

NYMEX/COMEX Exchange Open Interest Report - Monthly

	Commodity	Open Interest JUL 2020	Open Interest JUL 2019	% CHG	Open Interest JUN 2020	% CHG
Ag Products Futures						
COCOA TAS	CJ	0	0	-	0	-
COFFEE	KT	0	0	-	0	-
COTTON	TT	0	2	-100.0%	0	-
SUGAR 11	YO	0	0	-	0	-
Energy Futures						
CRUDE OIL PHY	CL	2,006,292	2,055,140	-2.4%	2,008,618	-0.1%
CRUDE OIL	WS	36	286	-87.4%	38	-5.3%
MINY WTI CRUDE OIL	QM	3,359	3,696	-9.1%	4,489	-25.2%
BRENT OIL LAST DAY	BZ	223,222	240,143	-7.0%	230,325	-3.1%
HEATING OIL PHY	HO	360,112	425,248	-15.3%	366,923	-1.9%
HTG OIL	BH	148	172	-14.0%	146	1.4%
MINY HTG OIL	QH	0	0	-	0	0.0%
RBOB PHY	RB	326,894	401,138	-18.5%	352,694	-7.3%
MINY RBOB GAS	QU	0	0	0.0%	2	-100.0%
NATURAL GAS	HP	123,581	79,778	54.9%	121,829	1.4%
LTD NAT GAS	HH	285,314	334,298	-14.7%	290,880	-1.9%
MINY NATURAL GAS	QG	5,447	5,354	1.7%	3,034	79.5%
PJM MONTHLY	JM	0	240	-100.0%	0	-
NATURAL GAS PHY	NG	1,307,193	1,338,108	-2.3%	1,316,452	-0.7%
RBOB GAS	RT	100	104	-3.8%	107	-6.5%
3.5% FUEL OIL CID MED SWA	7D	0	44	-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	11,139	25,300	-56.0%	10,703	4.1%
ARGUS PROPAN FAR EST INDE	7E	4,560	5,558	-18.0%	4,284	6.4%
ARGUS PROPAN(SAUDI ARAMCO	9N	2,127	1,586	34.1%	2,095	1.5%
AUSTRIALIAN COKE COAL	ACT	0	0	-	0	-
AUSTRIALIAN COKE COAL	ALW	0	24	-100.0%	0	-
BRENT BALMO SWAP	J9	0	50	-100.0%	250	-100.0%
BRENT CALENDAR SWAP	CY	17,547	31,206	-43.8%	17,571	-0.1%
BRENT CFD SWAP	6W	0	0	-	0	-
BRENT FINANCIAL FUTURES	BB	2,200	158	1,292.4%	0	-
BRENT FINANCIAL FUTURES	MBC	30	209	-85.6%	35	-14.3%
BRENT FINANCIAL FUTURES	MDB	130	0	-	130	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%
CANADIAN LIGHT SWEET OIL	CIL	0	0	-	0	-
CENTERPOINT BASIS SWAP	PW	0	468	-100.0%	0	-
CHICAGO ETHANOL SWAP	CU	30,525	46,069	-33.7%	35,412	-13.8%
CHICAGO ULSD PL VS HO SPR	5C	2,983	3,241	-8.0%	3,462	-13.8%
CHICAGO UNL GAS PL VS RBO	3C	330	489	-32.5%	425	-22.4%
CIG BASIS	CI	0	2,790	-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	65	566	-88.5%	86	-24.4%

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Energy Futures						
CIN HUB 5MW REAL TIME O P	H4	13,832	82,104	-83.2%	16,464	-16.0%
CIN HUB 5MW REAL TIME PK	H3	742	8,689	-91.5%	903	-17.8%
COAL SWAP	ACM	0	0	-	0	-
COLUMB GULF MAINLINE NG B	5Z	110	845	-87.0%	133	-17.3%
CONWAY NATURAL GASOLINE (OPIS) SWAP	8L	953	973	-2.1%	1,306	-27.0%
CONWAY NORMAL BUTANE (OPIS) SWAP	8M	1,679	1,285	30.7%	1,474	13.9%
CONWAY PROPANE 5 DECIMALS SWAP	8K	24,827	25,427	-2.4%	24,792	0.1%
CRUDE OIL	LPS	5,600	19,425	-71.2%	7,000	-20.0%
CRUDE OIL LAST DAY	26	0	0	-	0	-
CRUDE OIL OUTRIGHTS	42	316	42	652.4%	2,308	-86.3%
CRUDE OIL OUTRIGHTS	CC5	1,110	1,586	-30.0%	1,088	2.0%
CRUDE OIL OUTRIGHTS	CPD	0	0	-	0	-
CRUDE OIL OUTRIGHTS	CSW	0	2,170	-100.0%	0	-
CRUDE OIL OUTRIGHTS	DAB	0	0	-	0	-
CRUDE OIL OUTRIGHTS	DBL	0	400	-100.0%	0	-
CRUDE OIL OUTRIGHTS	GSW	330	161	105.0%	0	-
CRUDE OIL OUTRIGHTS	HTT	172,142	157,331	9.4%	171,971	0.1%
CRUDE OIL OUTRIGHTS	LSW	2,704	1,371	97.2%	1,470	83.9%
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	5,155	11,561	-55.4%	5,227	-1.4%
CRUDE OIL PHY	CLL	0	0	0.0%	0	0.0%
CRUDE OIL PHY	HCL	438	3,072	-85.7%	484	-9.5%
CRUDE OIL SPRDS	38	0	0	-	0	-
CRUDE OIL SPRDS	ANT	540	0	-	600	-10.0%
CRUDE OIL SPRDS	HIL	13,860	720	1,825.0%	1,946	612.2%
CRUDE OIL SPRDS	WTT	112,897	137,476	-17.9%	111,339	1.4%
CRUDE OIL TRADE AT MARKER SINGAPORE	CLS	0	0	0.0%	0	0.0%
DAILY PJM	AOR	1,440	2,112	-31.8%	1,440	0.0%
DAILY PJM	IDO	17,360	15,056	15.3%	16,240	6.9%
DAILY PJM	NOC	480	1,824	-73.7%	480	0.0%
DAILY PJM	PAP	260	270	-3.7%	280	-7.1%
DAILY PJM	PEO	4,960	2,400	106.7%	4,640	6.9%
DAILY PJM	PNO	0	16,320	-100.0%	0	-
DAILY PJM	PNP	0	1,053	-100.0%	0	-
DAILY PJM	PWO	992	15,360	-93.5%	928	6.9%
DAILY PJM	PWP	52	864	-94.0%	56	-7.1%
DAILY PJM	WOR	2,400	12,384	-80.6%	2,400	0.0%
DAILY PJM	ZAO	992	960	3.3%	928	6.9%
DAILY PJM	ZGO	28,272	25,440	11.1%	26,448	6.9%
DAILY PJM	ZJO	1,488	14,400	-89.7%	1,392	6.9%
DATED BRENT (PLATTS) DAILY SWAP	7G	0	0	-	0	-
DATED TO FRONTLINE BRENT	FY	300	995	-69.8%	350	-14.3%
DIESEL 10P BRG FOB RDM VS	7X	0	0	-	0	-
DOMINION TRAN INC - APP I	IH	0	0	-	0	-
DOMINION TRANSMISSION INC	PG	1,044	6,202	-83.2%	1,230	-15.1%
DUBAI CRUDE OIL BALMO	BI	0	0	-	0	-
DUBAI CRUDE OIL CALENDAR	DC	100	2,090	-95.2%	2,085	-95.2%
DUTCH TTF NATURAL GAS CAL MONTH FUT	TTF	28,073	3,819	635.1%	31,740	-11.6%
EASTERN RAIL DELIVERY CSX	QX	0	0	-	0	-

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EAST/WEST FUEL OIL SPREAD	EW	6	47	-87.2%	7	-14.3%
EIA FLAT TAX ONHWAY DIESE	A5	4,309	1,798	139.7%	3,214	34.1%
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	258	770	-66.5%	302	-14.6%
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	4,706	14,082	-66.6%	5,442	-13.5%
ELECTRICITY OFF PEAK	4P	0	47,380	-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	487	220	121.4%	599	-18.7%
ETHANOL T2 FOB ROTT INCL DUTY SWAP	Z1	5,022	4,447	12.9%	5,133	-2.2%
EURO 1% FUEL OIL NEW BALM	KX	0	0	-	0	-
EURO 3.5% FUEL OIL RDAM B	KR	0	77	-100.0%	0	-
EURO 3.5% FUEL OIL SPREAD	FK	0	42	-100.0%	0	-
EURO-DENOMINATED PETRO PROD	NCP	0	0	-	0	-
EURO GASOIL 10PPM VS ICE	ET	0	0	-	25	-100.0%
EUROPE 1% FUEL OIL NWE CA	UF	0	300	-100.0%	0	-
EUROPE 1% FUEL OIL RDAM C	UH	0	3	-100.0%	0	-
EUROPE 3.5% FUEL OIL MED	UI	0	55	-100.0%	0	-
EUROPE 3.5% FUEL OIL RDAM	UV	1,239	5,186	-76.1%	1,542	-19.6%
EUROPEAN GASOIL (ICE)	7F	120	54	122.2%	133	-9.8%
EUROPEAN NAPHTHA BALMO	KZ	10	181	-94.5%	10	0.0%
EUROPEAN NAPHTHA CRACK SPR	EN	3,919	11,038	-64.5%	4,226	-7.3%
EUROPE DATED BRENT SWAP	UB	35	525	-93.3%	35	0.0%
EUROPE JET KERO NWE CALSW	UJ	0	20	-100.0%	0	-
EUROPE NAPHTHA CALSWAP	UN	859	2,406	-64.3%	846	1.5%
EURO PROPANE CIF ARA SWA	PS	2,396	2,288	4.7%	2,422	-1.1%
FREIGHT MARKETS	ACB	450	420	7.1%	565	-20.4%
FREIGHT MARKETS	BF1	0	0	-	0	-
FREIGHT MARKETS	BF2	263	0	-	225	16.9%
FREIGHT MARKETS	BF3	0	0	-	0	-
FREIGHT MARKETS	FLP	968	895	8.2%	978	-1.0%
FREIGHT MARKETS	FRC	60	620	-90.3%	70	-14.3%
FREIGHT MARKETS	FRS	0	70	-100.0%	0	-
FREIGHT MARKETS	T2D	1,310	1,820	-28.0%	1,468	-10.8%
FREIGHT MARKETS	T7C	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	60	-100.0%	30	-100.0%
FUEL OIL CRACK VS ICE	FO	3,689	8,577	-57.0%	4,153	-11.2%
FUEL OIL NWE CRACK VS ICE	FI	78	156	-50.0%	91	-14.3%

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Energy Futures						
FUEL OIL (PLATS) CAR CM	1W	0	6	-100.0%	0	-
FUEL OIL (PLATS) CAR CN	1X	0	0	-	0	-
FUELOIL SWAP:CARGOES VS.B	FS	248	776	-68.0%	267	-7.1%
GAS EURO-BOB OXY NWE BARGES	7H	2,791	5,317	-47.5%	3,206	-12.9%
GAS EURO-BOB OXY NWE BARGES CRK	7K	19,525	24,916	-21.6%	21,990	-11.2%
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	45	46	-2.2%	50	-10.0%
GASOIL 10PPM VS ICE SWAP	TP	0	24	-100.0%	0	-
GASOIL CALENDAR SWAP	GX	62	54	14.8%	75	-17.3%
GASOIL CRACK SPREAD CALEN	GZ	4,713	12,231	-61.5%	5,510	-14.5%
GASOIL MINI CALENDAR SWAP	QA	1,048	823	27.3%	1,108	-5.4%
GERMAN POWER BASELOAD CAL MONTH FUT	DEB	1,659	1,161	42.9%	1,771	-6.3%
GROUP THREE ULSD (PLATTS)	A7	0	27	-100.0%	0	-
GROUP THREE UNLEAD GAS (P	A9	0	0	-	0	-
GRP THREE ULSD(PLT)VS HEA	A6	8,802	9,682	-9.1%	9,821	-10.4%
GRP THREE UNL GS (PLT) VS	A8	3,025	2,859	5.8%	3,805	-20.5%
GULF COAST 3% FUEL OIL BA	VZ	0	791	-100.0%	136	-100.0%
GULF COAST JET FUEL CLNDR	GE	1,362	459	196.7%	858	58.7%
GULF COAST JET VS NYM 2 H	ME	21,055	29,216	-27.9%	21,562	-2.4%
GULF COAST NO.6 FUEL OIL	MF	13,143	19,516	-32.7%	13,828	-5.0%
GULF COAST NO.6 FUEL OIL	MG	210	905	-76.8%	245	-14.3%
GULF COAST ULSD CALENDAR	LY	5,527	1,602	245.0%	4,287	28.9%
GULF COAST ULSD CRACK SPR	GY	480	390	23.1%	540	-11.1%
HEATING OIL BALMO CLNDR S	1G	0	40	-100.0%	150	-100.0%
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	1,840	4,262	-56.8%	2,460	-25.2%
HENRY HUB FINANCIAL LAST	NBP	0	0	-	0	-
HENRY HUB FINANCIAL LAST	TTE	0	0	-	0	-
HENRY HUB INDEX SWAP FUTU	IN	3,444	6,370	-45.9%	5,244	-34.3%
HENRY HUB SWAP	NN	721,835	909,863	-20.7%	739,893	-2.4%
HOUSTON SHIP CHANNEL BASI	NH	3,814	8,456	-54.9%	4,217	-9.6%
ICE BRENT DUBAI SWAP	DB	17,978	42,525	-57.7%	21,252	-15.4%
IN DELIVERY MONTH EUA	6T	0	0	-	0	-
INDIANA MISO	FAD	0	0	-	0	-
INDIANA MISO	FTD	672	2,400	-72.0%	672	0.0%
INDIANA MISO	PDD	33	720	-95.4%	58	-43.1%
INDIANA MISO	PTD	49	455	-89.2%	49	0.0%
INDONESIAN COAL ICI4	ICI	487	764	-36.3%	568	-14.3%
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	121	-100.0%	50	-100.0%
JAPAN C&F NAPHTHA SWAP	JA	339	1,477	-77.0%	308	10.1%
JAPAN NAPHTHA BALMO SWAP	E6	5	10	-50.0%	0	-
JET AV FUEL (P) CAR FM ICE GAS SWAP	1V	0	0	-	0	-
JET CIF NWE VS ICE	JC	30	201	-85.1%	35	-14.3%
JET FUEL CRG CIF NEW VS I	6X	0	0	-	0	-
JET FUEL UP-DOWN BALMO CL	1M	1,045	4,165	-74.9%	1,260	-17.1%
JKM LNG Futures	JKM	4,427	6,002	-26.2%	4,225	4.8%
LA CARB DIESEL (OPIS) SWA	KL	415	51	713.7%	703	-41.0%

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LA CARBOB GASOLINE(OPIS)S	JL	0	525	-100.0%	100	-100.0%
LA JET (OPIS) SWAP	JS	945	1,385	-31.8%	895	5.6%
LLS (ARGUS) CALENDAR SWAP	XA	159	379	-58.0%	176	-9.7%
LLS (ARGUS) VS WTI SWAP	WJ	8,243	17,559	-53.1%	9,218	-10.6%
LOS ANGELES CARB GASOLINE	MH	15	10	50.0%	15	0.0%
MARS (ARGUS) VS WTI SWAP	YX	300	4,990	-94.0%	350	-14.3%
MARS (ARGUS) VS WTI TRD M	YV	16,832	22,369	-24.8%	21,554	-21.9%
MARS BLEND CRUDE OIL	MB	0	0	-	0	-
MCCLOSKEY ARA ARGS COAL	MTF	18,831	20,839	-9.6%	21,117	-10.8%
MCCLOSKEY RCH BAY COAL	MFF	1,777	3,031	-41.4%	2,015	-11.8%
MGF FUT	MGF	0	0	-	0	-
MGN1 SWAP FUT	MGN	190	390	-51.3%	225	-15.6%
MICHIGAN BASIS	NF	368	1,556	-76.3%	492	-25.2%
MICHIGAN MISO	HMO	0	0	-	0	-
MICHIGAN MISO	HMW	0	0	-	0	-
MINI GAS EUROBOB OXY NWE ARGS BALMO	MEB	50	114	-56.1%	250	-80.0%
MINI RBOB V. EBOBARG NWE BRGS BALMO	MXR	0	0	-	152	-100.0%
MINI RBOB V. EBOB(ARGUS) NWE BRGS	MXB	1,111	4,135	-73.1%	1,209	-8.1%
MJC FUT	MJC	30	210	-85.7%	35	-14.3%
MNC FUT	MNC	1,393	5,911	-76.4%	1,447	-3.7%
MONT BELVIEU ETHANE 5 DECIMAL	C0	59,104	39,704	48.9%	53,404	10.7%
MONT BELVIEU ETHANE OPIS BALMO	8C	320	155	106.5%	270	18.5%
MONT BELVIEU LDH PROPANE 5 DECIMAL	B0	134,118	138,200	-3.0%	139,767	-4.0%
MONT BELVIEU LDH PROPANE OPIS BALMO	8O	1,118	1,568	-28.7%	806	38.7%
MONT BELVIEU NATURAL GASOLINE 5 DEC	7Q	36,913	16,455	124.3%	39,423	-6.4%
MONT BELVIEU NATURAL GASOLINE BALMO	R0	834	815	2.3%	875	-4.7%
MONT BELVIEU NORMAL BUTANE 5 DECIMAL	D0	61,910	55,277	12.0%	60,064	3.1%
MONT BELVIEU NORMAL BUTANE BALMO	8J	1,290	1,010	27.7%	1,039	24.2%
NAT GAS BASIS SWAP	TZ6	0	1,071	-100.0%	0	-
NATURAL GAS	XIC	0	0	-	0	-
NATURAL GAS PEN SWP	NP	189,425	134,703	40.6%	186,766	1.4%
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	221,283	340,681	-35.0%	235,563	-6.1%
NEPOOL INTR HUB 5MW D AH	U6	10,590	18,903	-44.0%	11,325	-6.5%
NEPOOL NE MASS 5MW D AH O	P8	0	7,107	-100.0%	0	-
NEPOOL NE MASS 5MW D AH P	P7	0	384	-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	1,056	6.1%	1,190	-5.9%
NEW YORK ETHANOL SWAP	EZ	1,494	1,592	-6.2%	1,764	-15.3%
NEW YORK HUB ZONE G PEAK	GN	1,312	1,254	4.6%	1,394	-5.9%
NEW YORK HUB ZONE J PEAK	JN	256	1,705	-85.0%	272	-5.9%
NGPL MID-CONTINENT	NL	520	8,264	-93.7%	520	0.0%
NGPL TEX/OK	PD	120	11,597	-99.0%	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	184	-100.0%	0	-
NORTHEN NATURAL GAS VENTU	PF	0	552	-100.0%	0	-

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Energy Futures						
NORTHWEST ROCKIES BASIS S	NR	306	7,341	-95.8%	368	-16.8%
N ROCKIES PIPE SWAP	XR	0	0	-	0	-
NY1% VS GC SPREAD SWAP	VR	824	2,108	-60.9%	1,289	-36.1%
NY 3.0% FUEL OIL (PLATTS	H1	0	0	-	0	-
NY HARBOR 1% FUEL OIL BAL	VK	0	25	-100.0%	0	-
NY HARBOR HEAT OIL SWP	MP	12,280	8,289	48.1%	13,983	-12.2%
NY HARBOR LOW SULPUR GAS 1000MBBL	NLS	690	840	-17.9%	715	-3.5%
NY HARBOR RESIDUAL FUEL 1	MM	1,262	1,124	12.3%	1,757	-28.2%
NY HARBOR RESIDUAL FUEL C	ML	0	0	-	0	-
NYH NO 2 CRACK SPREAD CAL	HK	3,650	2,310	58.0%	3,494	4.5%
NYISO CAPACITY	LHV	125	615	-79.7%	146	-14.4%
NYISO CAPACITY	NNC	0	90	-100.0%	0	-
NYISO CAPACITY	NRS	0	157	-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	3,138	12,514	-74.9%	3,954	-20.6%
NYISO ZONE A 5MW D AH PK	K3	0	1,008	-100.0%	0	-
NYISO ZONE G 5MW D AH O P	D2	142,298	409,914	-65.3%	165,554	-14.0%
NYISO ZONE G 5MW D AH PK	T3	11,685	22,870	-48.9%	12,546	-6.9%
NYISO ZONE J 5MW D AH O P	D4	4,707	61,566	-92.4%	5,931	-20.6%
NYISO ZONE J 5MW D AH PK	D3	680	4,996	-86.4%	848	-19.8%
NYMEX ALUMINUM FUTURES	AN	0	396	-100.0%	0	-
NYMEX ULSD VS NYMEX HO	UY	100	0	-	100	0.0%
NY ULSD (ARGUS) VS HEATING OIL	7Y	1,874	634	195.6%	2,404	-22.0%
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	640	2,659	-75.9%	763	-16.1%
PANHANDLE PIPE SWAP	XH	0	0	-	0	-
PERMIAN BASIS SWAP	PM	1,377	3,784	-63.6%	1,656	-16.8%
PETROCHEMICALS	22	15	154	-90.3%	98	-84.7%
PETROCHEMICALS	32	56	115	-51.3%	58	-3.4%
PETROCHEMICALS	3NA	8	23	-65.2%	3	166.7%
PETROCHEMICALS	51	6	42	-85.7%	6	0.0%
PETROCHEMICALS	81	0	0	-	0	-
PETROCHEMICALS	8I	6,493	4,779	35.9%	6,072	6.9%
PETROCHEMICALS	91	818	848	-3.5%	715	14.4%
PETROCHEMICALS	MAA	370	30	1,133.3%	70	428.6%
PETROCHEMICALS	MAE	2,076	1,039	99.8%	2,556	-18.8%
PETROCHEMICALS	MAS	405	516	-21.5%	456	-11.2%
PETROCHEMICALS	MBE	410	415	-1.2%	90	355.6%
PETROCHEMICALS	MNB	1,594	2,008	-20.6%	1,636	-2.6%
PETROCHEMICALS	MPS	1,095	849	29.0%	1,165	-6.0%
PETRO CRCKS & SPRDS ASIA	JNC	0	0	-	0	-
PETRO CRCKS & SPRDS ASIA	STI	0	50	-100.0%	0	-
PETRO CRCKS & SPRDS ASIA	STR	120	690	-82.6%	140	-14.3%
PETRO CRCKS & SPRDS ASIA	STS	300	232	29.3%	300	0.0%
PETRO CRCKS & SPRDS NA	CRB	19,686	7,925	148.4%	18,950	3.9%
PETRO CRCKS & SPRDS NA	EXR	1,087	3,931	-72.3%	1,361	-20.1%
PETRO CRCKS & SPRDS NA	FOC	360	1,950	-81.5%	420	-14.3%
PETRO CRCKS & SPRDS NA	GBB	0	1,150	-100.0%	194	-100.0%

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	Commodity	Open Interest JUL 2020	Open Interest JUL 2019	% CHG	Open Interest JUN 2020	% CHG
Energy Futures						
PETRO CRCKS & SPRDS NA	GCC	0	0	-	0	-
PETRO CRCKS & SPRDS NA	GCI	311	2,339	-86.7%	484	-35.7%
PETRO CRCKS & SPRDS NA	GCM	0	0	-	0	-
PETRO CRCKS & SPRDS NA	GCU	5,279	12,323	-57.2%	5,905	-10.6%
PETRO CRCKS & SPRDS NA	GFC	0	0	-	0	-
PETRO CRCKS & SPRDS NA	HOB	8,375	8,078	3.7%	9,042	-7.4%
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	10,159	16,737	-39.3%	11,613	-12.5%
PETRO CRCKS & SPRDS NA	RVG	5,602	16,934	-66.9%	7,538	-25.7%
PETRO CRCKS & SPRDS NA	SF3	0	166	-100.0%	11	-100.0%
PETRO CRK&SPRD EURO	1NB	1,425	2,088	-31.8%	1,600	-10.9%
PETRO CRK&SPRD EURO	1ND	0	0	-	0	-
PETRO CRK&SPRD EURO	43	0	3	-100.0%	15	-100.0%
PETRO CRK&SPRD EURO	BFR	0	0	-	0	-
PETRO CRK&SPRD EURO	BOB	1,580	2,588	-38.9%	1,804	-12.4%
PETRO CRK&SPRD EURO	EOB	11	28	-60.7%	21	-47.6%
PETRO CRK&SPRD EURO	EPN	890	1,490	-40.3%	800	11.3%
PETRO CRK&SPRD EURO	EVC	210	2,617	-92.0%	281	-25.3%
PETRO CRK&SPRD EURO	FBT	0	0	-	0	-
PETRO CRK&SPRD EURO	FVB	0	30	-100.0%	5	-100.0%
PETRO CRK&SPRD EURO	GCB	0	135	-100.0%	44	-100.0%
PETRO CRK&SPRD EURO	GOC	6	18	-66.7%	7	-14.3%
PETRO CRK&SPRD EURO	MGB	0	30	-100.0%	10	-100.0%
PETRO CRK&SPRD EURO	MUD	110	80	37.5%	110	0.0%
PETRO CRK&SPRD EURO	NBB	0	0	-	0	-
PETRO CRK&SPRD EURO	NOB	637	1,569	-59.4%	716	-11.0%
PETRO CRK&SPRD EURO	SFB	0	0	-	0	-
PETROLEUM PRODUCTS	1NM	230	240	-4.2%	80	187.5%
PETROLEUM PRODUCTS	EWG	775	3,250	-76.2%	875	-11.4%
PETROLEUM PRODUCTS	H5F	264	0	-	1,906	-86.1%
PETROLEUM PRODUCTS	JCC	2,110	20	10,450.0%	1,085	94.5%
PETROLEUM PRODUCTS	MME	0	0	-	0	-
PETROLEUM PRODUCTS	MPE	0	0	-	0	-
PETROLEUM PRODUCTS	NCC	0	0	-	0	-
PETROLEUM PRODUCTS	R5E	0	0	-	0	-
PETROLEUM PRODUCTS	R5F	40	0	0.0%	30	33.3%
PETROLEUM PRODUCTS	S53	48	0	-	58	-17.2%
PETROLEUM PRODUCTS	UP5	153	0	-	409	-62.6%
PETROLEUM PRODUCTS	VU	14	50	-72.0%	0	-
PETROLEUM PRODUCTS ASIA	E6M	0	0	-	0	-
PETROLEUM PRODUCTS ASIA	MJN	1,308	2,614	-50.0%	1,473	-11.2%
PETROLEUM PRODUCTS ASIA	MSB	0	0	-	0	-
PETRO OUTRIGHT EURO	OB	104	88	18.2%	120	-13.3%
PETRO OUTRIGHT EURO	OC	0	0	-	0	-
PETRO OUTRIGHT EURO	OD	784	2,870	-72.7%	660	18.8%
PETRO OUTRIGHT EURO	OE	0	20	-100.0%	0	-
PETRO OUTRIGHT EURO	OF	45	564	-92.0%	50	-10.0%
PETRO OUTRIGHT EURO	1T	0	20	-100.0%	0	-
PETRO OUTRIGHT EURO	33	0	0	-	0	-
PETRO OUTRIGHT EURO	5L	0	0	-	0	-

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Commodity	Open Interest JUL 2020	Open Interest JUL 2019	% CHG	Open Interest JUN 2020	% CHG
Energy Futures					
PETRO OUTRIGHT EURO	63	0	-	0	-
PETRO OUTRIGHT EURO	7I	0	-100.0%	65	-100.0%
PETRO OUTRIGHT EURO	7R	0	-100.0%	6	-100.0%
PETRO OUTRIGHT EURO	88	0	-100.0%	0	-
PETRO OUTRIGHT EURO	CBB	0	-	0	-
PETRO OUTRIGHT EURO	CGB	0	-	0	-
PETRO OUTRIGHT EURO	CPB	60	-46.4%	25	140.0%
PETRO OUTRIGHT EURO	EFF	0	-	0	-
PETRO OUTRIGHT EURO	EFM	0	-100.0%	0	-
PETRO OUTRIGHT EURO	ENS	18	-64.7%	21	-14.3%
PETRO OUTRIGHT EURO	EWN	27	-95.7%	37	-27.0%
PETRO OUTRIGHT EURO	FLB	0	-	0	-
PETRO OUTRIGHT EURO	GES	0	-	0	-
PETRO OUTRIGHT EURO	GNO	0	-	0	-
PETRO OUTRIGHT EURO	H5G	522	335.0%	604	-13.6%
PETRO OUTRIGHT EURO	JFB	0	-	0	-
PETRO OUTRIGHT EURO	M1B	2,589	-	2,214	16.9%
PETRO OUTRIGHT EURO	M35	0	-	0	-
PETRO OUTRIGHT EURO	MBB	30	-	0	-
PETRO OUTRIGHT EURO	MBN	1,632	-33.6%	1,924	-15.2%
PETRO OUTRIGHT EURO	MEF	310	-62.8%	304	2.0%
PETRO OUTRIGHT EURO	R53	36	-33.3%	42	-14.3%
PETRO OUTRIGHT EURO	R5B	0	-	0	-
PETRO OUTRIGHT EURO	R5M	1,367	256.0%	1,370	-0.2%
PETRO OUTRIGHT EURO	R5O	2,997	2,103.7%	2,547	17.7%
PETRO OUTRIGHT EURO	RBM	10	-	0	-
PETRO OUTRIGHT EURO	S5B	1	-	1	0.0%
PETRO OUTRIGHT EURO	S5F	344	-	406	-15.3%
PETRO OUTRIGHT EURO	S5M	3,671	2,579.6%	3,958	-7.3%
PETRO OUTRIGHT EURO	S5O	1,659	-	1,374	20.7%
PETRO OUTRIGHT EURO	SMU	60	-88.0%	70	-14.3%
PETRO OUTRIGHT EURO	T0	0	-100.0%	0	-
PETRO OUTRIGHT EURO	T2B	0	-	20	-100.0%
PETRO OUTRIGHT EURO	TMB	0	-	0	-
PETRO OUTRIGHT EURO	ULB	0	-	0	-
PETRO OUTRIGHT EURO	UNB	0	-	0	-
PETRO OUTRIGHT EURO	V0	0	-	0	-
PETRO OUTRIGHT EURO	X0	0	-	0	-
PETRO OUTRIGHT NA	AB6	125	-	335	-62.7%
PETRO OUTRIGHT NA	BCR	425	-	100	325.0%
PETRO OUTRIGHT NA	DBB	0	-	0	-
PETRO OUTRIGHT NA	FCB	0	-100.0%	0	-
PETRO OUTRIGHT NA	FOM	0	-	0	-
PETRO OUTRIGHT NA	H5B	0	-	250	-100.0%
PETRO OUTRIGHT NA	JE	765	1,175.0%	805	-5.0%
PETRO OUTRIGHT NA	JET	850	-74.5%	1,250	-32.0%
PETRO OUTRIGHT NA	JTB	0	-100.0%	225	-100.0%
PETRO OUTRIGHT NA	MBL	241	-	257	-6.2%
PETRO OUTRIGHT NA	MEN	68	41.7%	38	78.9%
PETRO OUTRIGHT NA	MEO	2,211	-50.6%	2,588	-14.6%
PETRO OUTRIGHT NA	MFD	30	-89.8%	35	-14.3%
PETRO OUTRIGHT NA	MMF	0	-100.0%	0	-

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Commodity		Open Interest JUL 2020	Open Interest JUL 2019	% CHG	Open Interest JUN 2020	% CHG
Energy Futures						
PETRO OUTRIGHT NA	XER	0	0	-	0	-
PJM AD HUB 5MW REAL TIME	V3	76,375	183,994	-58.5%	82,015	-6.9%
PJM AD HUB 5MW REAL TIME	Z9	7,007	15,363	-54.4%	7,973	-12.1%
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%	286	23.8%
PJM DAYTON DA OFF-PEAK	R7	15,690	54,645	-71.3%	19,770	-20.6%
PJM DAYTON DA PEAK	D7	850	3,410	-75.1%	1,060	-19.8%
PJM NI HUB 5MW REAL TIME	B3	3,090	5,519	-44.0%	3,205	-3.6%
PJM NI HUB 5MW REAL TIME	B6	56,525	60,923	-7.2%	58,405	-3.2%
PJM NILL DA OFF-PEAK	L3	0	53,890	-100.0%	0	-
PJM NILL DA PEAK	N3	0	3,276	-100.0%	0	-
PJM OFF-PEAK LMP SWAP FUT	JP	0	0	-	0	-
PJM PECO ZONE5MW PEAK CAL MO DAY AH	4N	0	2,560	-100.0%	0	-
PJM PSEG DA OFF-PEAK	W6	0	59,225	-100.0%	0	-
PJM PSEG DA PEAK	L6	0	3,200	-100.0%	0	-
PJM WESTH DA OFF-PEAK	E4	3,138	99,084	-96.8%	3,954	-20.6%
PJM WESTHDA PEAK	J4	170	5,322	-96.8%	212	-19.8%
PJM WESTH RT OFF-PEAK	N9	353,305	603,367	-41.4%	362,705	-2.6%
PJM WESTH RT PEAK	L1	38,439	87,236	-55.9%	42,510	-9.6%
PLASTICS	PGP	4,476	3,411	31.2%	4,798	-6.7%
PREMIUM UNLD 10P FOB MED	3G	21	238	-91.2%	42	-50.0%
PREMIUM UNLEAD 10PPM FOB	8G	0	10	-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	863	1,078	-19.9%	1,466	-41.1%
PROPANE NON-LDH MT. BEL (OPIS) SWP	1R	53,058	62,405	-15.0%	54,830	-3.2%
RBOB CALENDAR SWAP	RL	13,900	14,972	-7.2%	13,359	4.0%
RBOB CRACK SPREAD	RM	3,385	4,173	-18.9%	3,780	-10.4%
RBOB CRACK SPREAD BALMO S	1E	0	0	-	0	-
RBOB GASOLINE BALMO CLNDR	1D	1,031	821	25.6%	674	53.0%
RBOB PHY	RBL	0	0	0.0%	0	0.0%
RBOB SPREAD (PLATTS) SWAP	RI	0	0	-	0	-
RBOB VS HEATING OIL SWAP	RH	750	75	900.0%	1,120	-33.0%
SAN JUAN BASIS SWAP	NJ	184	2,910	-93.7%	246	-25.2%
SAN JUAN PIPE SWAP	XX	0	0	-	0	-
SINGAPORE 180CST BALMO	BS	0	15	-100.0%	0	-
SINGAPORE 380CST BALMO	BT	0	343	-100.0%	0	-
SINGAPORE 380CST FUEL OIL	SE	492	4,864	-89.9%	654	-24.8%
SINGAPORE FUEL 180CST CAL	UA	27	416	-93.5%	26	3.8%
SINGAPORE FUEL OIL SPREAD	SD	120	205	-41.5%	120	0.0%
SINGAPORE GASOIL	MAF	265	3,669	-92.8%	235	12.8%
SINGAPORE GASOIL	MTB	0	25	-100.0%	0	-
SINGAPORE GASOIL	MTS	653	6,075	-89.3%	763	-14.4%
SINGAPORE GASOIL	SBM	102	0	-	20	410.0%
SINGAPORE GASOIL	STZ	0	0	-	0	-
SINGAPORE GASOIL CALENDAR	GDH	0	0	-	0	-
SINGAPORE GASOIL CALENDAR	GDL	0	0	-	0	-

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Energy Futures						
SINGAPORE GASOIL CALENDAR	GHS	0	270	-100.0%	0	-
SINGAPORE GASOIL CALENDAR	MGO	0	0	-	0	-
SINGAPORE GASOIL CALENDAR	MSG	1,664	406	309.9%	1,089	52.8%
SINGAPORE GASOIL CALENDAR	SGG	0	0	-	0	-
SINGAPORE GASOIL SWAP	SG	1,100	1,102	-0.2%	1,349	-18.5%
SINGAPORE GASOIL VS ICE	GA	3,309	10,405	-68.2%	3,765	-12.1%
SINGAPORE JET KERO BALMO	BX	0	0	-	0	-
SINGAPORE JET KERO GASOIL	RK	0	3,525	-100.0%	0	-
SINGAPORE JET KEROSENE SW	KS	705	1,510	-53.3%	970	-27.3%
SINGAPORE JET KERO VS. GASOIL BALMO	ZO	0	0	-	0	-
SINGAPORE MOGAS 92 UNLEADED BALMO	1P	0	50	-100.0%	0	-
SINGAPORE MOGAS 92 UNLEADED SWP	1N	8,274	12,371	-33.1%	8,607	-3.9%
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	1,189	-100.0%	0	-
TC2 ROTTERDAM TO USAC 37K	TM	90	630	-85.7%	120	-25.0%
TC5 RAS TANURA TO YOKOHAM	TH	495	1,184	-58.2%	620	-20.2%
TCO BASIS SWAP	TC	368	2,568	-85.7%	492	-25.2%
TD3 MEG TO JAPAN 250K MT	TL	6,648	13,213	-49.7%	7,460	-10.9%
TENNESSEE ZONE 0 BASIS SW	NQ	0	0	-	0	-
Tetco STX Basis	TX	0	0	-	0	-
TEXAS EASTERN ZONE M-3 BA	NX	306	1,220	-74.9%	368	-16.8%
TEXAS GAS ZONE1 NG BASIS	9F	0	0	-	0	-
Transco Zone 3 Basis	CZ	0	0	-	0	-
TRANSCO ZONE4 BASIS SWAP	TR	630	2,207	-71.5%	758	-16.9%
TRANSCO ZONE 6 BASIS SWAP	NZ	0	0	-	0	-
UCM FUT	UCM	0	0	-	0	-
UK NBP NAT GAS CAL MTH FUT	UKG	241	60	301.7%	282	-14.5%
ULSD 10PPM CIF MED VS ICE	Z7	0	0	-	0	-
ULSD UP-DOWN BALMO SWP	1L	2,365	4,770	-50.4%	2,059	14.9%
UP DOWN GC ULSD VS NMX HO	LT	71,344	46,978	51.9%	70,042	1.9%
WAHA BASIS	NW	224	1,205	-81.4%	291	-23.0%
WESTERN RAIL DELIVERY PRB	QP	0	0	-	0	-
WTI-BRENT BULLET SWAP	BY	51	2,119	-97.6%	168	-69.6%
WTI-BRENT CALENDAR SWAP	BK	99,880	171,327	-41.7%	112,075	-10.9%
WTI CALENDAR	CS	169,994	181,363	-6.3%	174,157	-2.4%
WTI MIDLAND CRUDE OIL	WTL	200	0	-	250	-20.0%
WTS (ARGUS) VS WTI SWAP	FF	80,230	65,472	22.5%	73,541	9.1%
WTS (ARGUS) VS WTI TRD MT	FH	9,272	4,845	91.4%	8,983	3.2%
Energy Options						
BRENT 1 MONTH CAL	AA	0	0	-	0	-
BRENT CALENDAR SWAP	BA	5,058	8,401	-39.8%	7,210	-29.8%
BRENT CRUDE OIL 12 M CSO	9Y	0	0	-	0	-
BRENT CRUDE OIL 1 M CSO	9C	11,700	18,390	-36.4%	14,700	-20.4%
BRENT CRUDE OIL 6 M CSO	9L	0	0	-	0	-
BRENT OIL LAST DAY	BE	61,150	52,725	16.0%	52,300	16.9%
BRENT OIL LAST DAY	BZO	60,539	168,780	-64.1%	77,145	-21.5%
BRENT OIL LAST DAY	OS	0	50	-100.0%	0	-
COAL API2 INDEX	CLA	0	330	-100.0%	0	-
COAL API2 INDEX	CQA	0	150	-100.0%	0	-
COAL API4 INDEX	RLA	0	0	-	0	-

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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	432,397	647,481	-33.2%	490,881	-11.9%
CRUDE OIL APO	AO	327,300	367,013	-10.8%	357,990	-8.6%
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	38,791	45,299	-14.4%	33,512	15.8%
CRUDE OIL PHY	LO	1,955,470	2,365,235	-17.3%	1,995,736	-2.0%
CRUDE OIL PHY	LO1	2,747	5,205	-47.2%	3,234	-15.1%
CRUDE OIL PHY	LO2	107	2,087	-94.9%	419	-74.5%
CRUDE OIL PHY	LO3	27	101	-73.3%	8	237.5%
CRUDE OIL PHY	LO4	0	96	-100.0%	0	-
CRUDE OIL PHY	LO5	0	0	-	0	-
ETHANOL	CE1	0	0	-	0	-
ETHANOL	CE3	0	0	-	0	-
ETHANOL SWAP	CVR	10,405	16,260	-36.0%	7,517	38.4%
ETHANOL SWAP	GVR	690	1,560	-55.8%	740	-6.8%
FREIGHT MARKETS	TDT	0	0	-	0	-
HEATING OIL PHY	LB	428	229	86.9%	517	-17.2%
HEATING OIL PHY	OH	20,964	53,265	-60.6%	23,788	-11.9%
HENRY HUB FINANCIAL LAST	E7	31,323	9,798	219.7%	21,707	44.3%
HO 1 MONTH CLNDR OPTIONS	FA	0	500	-100.0%	0	-
LLS CRUDE OIL	WJO	0	0	-	0	-
LLS CRUDE OIL	YVO	0	0	-	0	-
MCCLOSKEY ARA ARGS COAL	MTO	5,517	0	-	4,392	25.6%
MCCLOSKEY RCH BAY COAL	MFO	100	450	-77.8%	100	0.0%
NATURAL GAS 1 M CSO FIN	G4	120,950	68,850	75.7%	110,650	9.3%
NATURAL GAS 2 M CSO FIN	G2	5,100	825	518.2%	3,500	45.7%
NATURAL GAS 3 M CSO FIN	G3	157,110	36,550	329.8%	125,635	25.1%
NATURAL GAS 5 M CSO FIN	G5	0	1,100	-100.0%	0	-
NATURAL GAS 6 M CSO FIN	G6	0	12,250	-100.0%	0	-
NATURAL GAS OPT	TFO	96,900	0	-	108,080	-10.3%
NATURAL GAS OPTION ON CALENDAR STRP	6J	20,420	16,164	26.3%	19,584	4.3%
NATURAL GAS PHY	KD	0	0	0.0%	0	0.0%
NATURAL GAS PHY	LN	2,403,687	1,687,686	42.4%	2,400,839	0.1%
NATURAL GAS PHY	ON	74,561	81,795	-8.8%	78,469	-5.0%
NATURAL GAS SUMMER STRIP	4D	400	0	-	0	-
NATURAL GAS WINTER STRIP	6I	600	1,300	-53.8%	600	0.0%
N ROCKIES PIPE SWAP	ZR	0	3,384	-100.0%	0	-
NY HARBOR HEAT OIL SWP	AT	10,842	13,445	-19.4%	11,548	-6.1%
NYISO ZONE G 5MW PEAK OPTIONS	9U	0	0	-	0	-
PANHANDLE PIPE SWAP	PU	0	0	-	0	-
PETROCHEMICALS	4H	603	4,744	-87.3%	603	0.0%
PETROCHEMICALS	4J	630	650	-3.1%	30	2,000.0%
PETROCHEMICALS	4K	0	80	-100.0%	0	-
PETROCHEMICALS	CPR	63	20	215.0%	84	-25.0%
PETRO OUTRIGHT EURO	8H	0	0	-	0	-
PETRO OUTRIGHT EURO	BCO	12	24	-50.0%	16	-25.0%

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Energy Options					
PETRO OUTRIGHT NA	1N5	200	0	200	0.0%
PETRO OUTRIGHT NA	DAP	990	756	1,130	-12.4%
PJM WES HUB PEAK CAL MTH	6OA	1,510	1,260	1,510	0.0%
PJM WES HUB PEAK CAL MTH	JOA	0	0	0	-
PJM WES HUB PEAK LMP 50MW	PMA	512	555	512	0.0%
RBOB 1MO CAL SPD OPTIONS	ZA	0	0	0	-
RBOB CALENDAR SWAP	RA	499	172	186	168.3%
RBOB CRACK	RX	0	0	0	-
RBOB PHY	OB	8,619	17,260	10,774	-20.0%
RBOB PHY	RF	290	3	500	-42.0%
ROTTERDAM 3.5%FUEL OIL CL	Q6	0	0	0	-
SAN JUAN PIPE SWAP	PJ	0	1,878	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	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	-
SINGAPORE GASOIL CALENDAR	M2	0	0	0	-
SINGAPORE JET FUEL CALEND	N2	0	0	0	-
WTI-BRENT BULLET SWAP	BV	168,200	115,935	183,700	-8.4%
WTI CRUDE OIL 1 M CSO FI	7A	253,385	148,335	246,860	2.6%
Metals Futures					
COMEX GOLD	GC	559,609	564,084	561,628	-0.4%

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Commodity		Open Interest JUL 2020	Open Interest JUL 2019	% CHG	Open Interest JUN 2020	% CHG
Metals Futures						
NYMEX HOT ROLLED STEEL	HR	21,869	19,031	14.9%	21,790	0.4%
NYMEX PLATINUM	PL	54,287	77,143	-29.6%	47,837	13.5%
PALLADIUM	PA	10,189	25,822	-60.5%	7,080	43.9%
URANIUM	UX	322	2,824	-88.6%	329	-2.1%
COMEX SILVER	SI	193,375	236,226	-18.1%	169,418	14.1%
COMEX E-Mini GOLD	QO	1,830	1,063	72.2%	1,559	17.4%
COMEX E-Mini SILVER	QI	693	537	29.1%	328	111.3%
COMEX COPPER	HG	229,957	273,394	-15.9%	193,194	19.0%
COMEX MINY COPPER	QC	119	102	16.7%	84	41.7%
ALUMINUM	A38	0	98	-100.0%	0	-
ALUMINUM	AEP	10,640	10,117	5.2%	11,605	-8.3%
ALUMINUM	ALA	639	480	33.1%	615	3.9%
ALUMINUM	ALI	176	93	89.2%	232	-24.1%
ALUMINUM	AUP	37,975	23,527	61.4%	37,916	0.2%
ALUMINUM	CUP	0	0	-	0	-
ALUMINUM	EDP	14,552	10,248	42.0%	15,759	-7.7%
ALUMINUM	MJP	4,205	6,812	-38.3%	4,775	-11.9%
COPPER	HGS	19,765	10,876	81.7%	13,964	41.5%
FERROUS PRODUCTS	BUS	3,958	2,845	39.1%	4,791	-17.4%
GOLD	4GC	58	0	-	25	132.0%
GOLD	SGC	140	0	-	72	94.4%
GOLD	SGU	128	0	-	92	39.1%
Gold Kilo	GCK	0	0	-	0	-
HOT ROLLED COIL STEEL FUTURES	EHR	910	0	-	825	10.3%
IRON ORE 62 CHINA PLATTS FUTURES	PIO	0	0	-	0	-
IRON ORE 62 CHINA TSI FUTURES	TIO	0	6,652	-100.0%	3,508	-100.0%
IRON ORE CHINA	TIO	3,195	0	-	0	-
LNDN ZINC	ZNC	0	3	-100.0%	0	-
METALS	HDG	25	0	-	30	-16.7%
MICRO GOLD	MGC	25,147	18,126	38.7%	32,858	-23.5%
SILVER	SIL	4,804	2,012	138.8%	3,732	28.7%
Metals Options						
ALUMINUM	ALO	150	0	-	150	0.0%
COMEX COPPER	HX	17,632	38,839	-54.6%	12,621	39.7%
COMEX GOLD	OG	1,243,838	1,560,943	-20.3%	1,203,207	3.4%
COMEX SILVER	SO	134,185	211,302	-36.5%	99,554	34.8%
COPPER	H1E	0	14	-100.0%	0	-
COPPER	H2E	0	62	-100.0%	0	-
COPPER	H3E	0	0	-	0	-
COPPER	H4E	0	0	-	0	-
COPPER	H5E	0	0	-	0	-
GOLD	OG1	10,833	19,785	-45.2%	8,923	21.4%
GOLD	OG2	3,155	11,445	-72.4%	4,085	-22.8%
GOLD	OG3	1,216	5,159	-76.4%	1,875	-35.1%
GOLD	OG4	0	426	-100.0%	544	-100.0%
GOLD	OG5	0	0	-	0	-
HOT ROLLED COIL STEEL CALL OPTION	HRO	0	900	-100.0%	75	-100.0%
HOT ROLLED COIL STEEL PUT OPTION	HRO	0	0	-	0	-
IRON ORE 62 CHINA TSI CALL OPTION	ICT	0	1,200	-100.0%	1,900	-100.0%
IRON ORE 62 CHINA TSI PUT OPTION	ICT	0	630	-100.0%	3,857	-100.0%
IRON ORE CHINA	ICT	4,880	0	-	0	-
NYMEX HOT ROLLED STEEL	HRO	50	0	-	0	-

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Metals Options						
NYMEX PLATINUM	PO	2,468	8,041	-69.3%	2,153	14.6%
PALLADIUM	PAO	1,315	1,899	-30.8%	1,334	-1.4%
SILVER	SO1	639	871	-26.6%	1,922	-66.8%
SILVER	SO2	563	1,293	-56.5%	469	20.0%
SILVER	SO3	203	239	-15.1%	118	72.0%
SILVER	SO4	0	0	-	25	-100.0%
SILVER	SO5	0	0	-	0	-
TOTAL FUTURES GROUP						
Ag Products	Futures	0	2	-100.0%	0	-
Energy	Futures	8,173,852	10,185,298	-19.7%	8,353,852	-2.2%
Metals	Futures	1,198,567	1,292,115	-7.2%	1,134,046	5.7%
TOTAL FUTURES		9,372,419	11,477,415	-18.3%	9,487,898	-1.2%
TOTAL OPTIONS GROUP						
Energy	Options	6,290,846	5,978,776	5.2%	6,396,956	-1.7%
Metals	Options	1,421,127	1,863,048	-23.7%	1,342,812	5.8%
TOTAL OPTIONS		7,711,973	7,841,824	-1.7%	7,739,768	-0.4%
TOTAL COMBINED						
Ag Products		0	2	-100.0%	0	-
Energy		14,464,698	16,164,074	-10.5%	14,750,808	-1.9%
Metals		2,619,694	3,155,163	-17.0%	2,476,858	5.8%
GRAND TOTAL		17,084,392	19,319,239	-11.6%	17,227,666	-0.8%