

## NYMEX/COMEX Exchange Open Interest Report - Monthly

	Commodity	Open Interest APR 2020	Open Interest APR 2019	% CHG	Open Interest MAR 2020	% CHG
Ag Products Futures						
COCOA TAS	CJ	0	0	-	0	-
COFFEE	KT	0	0	-	0	-
COTTON	TT	0	0	-	2	-100.0%
SUGAR 11	YO	0	0	-	0	-
Energy Futures						
CRUDE OIL PHY	CL	2,303,488	2,158,052	6.7%	2,340,672	-1.6%
CRUDE OIL	WS	42	286	-85.3%	44	-4.5%
MINY WTI CRUDE OIL	QM	9,749	3,597	171.0%	9,883	-1.4%
BRENT OIL LAST DAY	BZ	246,233	229,864	7.1%	276,946	-11.1%
HEATING OIL PHY	HO	359,954	399,884	-10.0%	353,331	1.9%
HTG OIL	BH	118	163	-27.6%	80	47.5%
MINY HTG OIL	QH	0	1	-100.0%	0	0.0%
RBOB PHY	RB	366,526	421,435	-13.0%	362,987	1.0%
MINY RBOB GAS	QU	0	0	0.0%	0	-
NATURAL GAS	HP	111,656	80,535	38.6%	106,800	4.5%
LTD NAT GAS	HH	272,077	373,779	-27.2%	271,880	0.1%
MINY NATURAL GAS	QG	4,905	3,651	34.3%	3,010	63.0%
PJM MONTHLY	JM	0	360	-100.0%	0	-
NATURAL GAS PHY	NG	1,206,480	1,244,433	-3.0%	1,224,791	-1.5%
RBOB GAS	RT	109	116	-6.0%	56	94.6%
3.5% FUEL OIL CID MED SWA	7D	0	46	-100.0%	10	-100.0%
3.5% FUEL OIL CIF BALMO S	8D	0	0	-	0	-
AEP-DAYTON HUB DAILY	VD	84	34	147.1%	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	10,687	30,836	-65.3%	10,399	2.8%
ARGUS PROPAN FAR EST INDE	7E	4,502	5,585	-19.4%	4,649	-3.2%
ARGUS PROPAN(SAUDI ARAMCO	9N	1,986	2,236	-11.2%	1,858	6.9%
AUSTRIALIAN COKE COAL	ACT	0	0	-	0	-
AUSTRIALIAN COKE COAL	ALW	0	36	-100.0%	0	-
BRENT BALMO SWAP	J9	0	365	-100.0%	440	-100.0%
BRENT CALENDAR SWAP	CY	20,029	20,213	-0.9%	20,878	-4.1%
BRENT CFD SWAP	6W	0	0	-	0	-
BRENT FINANCIAL FUTURES	BB	0	3,658	-100.0%	0	-
BRENT FINANCIAL FUTURES	MBC	45	60	-25.0%	50	-10.0%
BRENT FINANCIAL FUTURES	MDB	0	0	-	0	-
BRENT OIL LAST DAY	BZL	0	0	0.0%	0	0.0%
BRENT OIL LAST DAY	BZS	0	0	0.0%	0	0.0%
CANADIAN LIGHT SWEET OIL	CIL	0	0	-	0	-
CENTERPOINT BASIS SWAP	PW	0	796	-100.0%	0	-
CHICAGO ETHANOL SWAP	CU	32,414	50,072	-35.3%	34,003	-4.7%
CHICAGO ULSD PL VS HO SPR	5C	3,377	2,902	16.4%	3,017	11.9%
CHICAGO UNL GAS PL VS RBO	3C	310	690	-55.1%	310	0.0%
CIG BASIS	CI	0	4,482	-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	67	1,055	-93.6%	147	-54.4%

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<b>Energy Futures</b>						
CIN HUB 5MW REAL TIME O P	H4	22,008	111,704	-80.3%	24,584	-10.5%
CIN HUB 5MW REAL TIME PK	H3	1,197	13,069	-90.8%	1,351	-11.4%
COAL SWAP	ACM	0	0	-	0	-
COLUMB GULF MAINLINE NG B	5Z	179	1,009	-82.3%	202	-11.4%
CONWAY NATURAL GASOLINE (OPIS) SWAP	8L	1,234	1,427	-13.5%	1,512	-18.4%
CONWAY NORMAL BUTANE (OPIS) SWAP	8M	597	804	-25.7%	775	-23.0%
CONWAY PROPANE 5 DECIMALS SWAP	8K	23,799	19,994	19.0%	20,870	14.0%
CRUDE OIL	LPS	9,800	21,025	-53.4%	10,750	-8.8%
CRUDE OIL OUTRIGHTS	42	5,542	492	1,026.4%	1,297	327.3%
CRUDE OIL OUTRIGHTS	CC5	790	990	-20.2%	745	6.0%
CRUDE OIL OUTRIGHTS	CPD	0	0	-	0	-
CRUDE OIL OUTRIGHTS	CSW	90	2,725	-96.7%	0	-
CRUDE OIL OUTRIGHTS	DAB	90	0	-	295	-69.5%
CRUDE OIL OUTRIGHTS	DBL	0	0	-	0	-
CRUDE OIL OUTRIGHTS	GSW	0	230	-100.0%	0	-
CRUDE OIL OUTRIGHTS	HTT	192,981	137,584	40.3%	202,503	-4.7%
CRUDE OIL OUTRIGHTS	LSW	2,187	1,813	20.6%	2,438	-10.3%
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	5,606	17,160	-67.3%	6,628	-15.4%
CRUDE OIL PHY	CLL	0	0	0.0%	0	0.0%
CRUDE OIL PHY	HCL	361	1,437	-74.9%	462	-21.9%
CRUDE OIL SPRDS	38	0	0	-	0	-
CRUDE OIL SPRDS	ANT	450	0	-	400	12.5%
CRUDE OIL SPRDS	HIL	1,615	0	-	710	127.5%
CRUDE OIL SPRDS	WTT	124,953	119,790	4.3%	132,261	-5.5%
CRUDE OIL TRADE AT MARKER SINGAPORE	CLS	0	0	0.0%	0	0.0%
DAILY PJM	AOR	1,440	3,264	-55.9%	1,440	0.0%
DAILY PJM	IDO	17,920	15,000	19.5%	15,960	12.3%
DAILY PJM	NOC	480	1,824	-73.7%	480	0.0%
DAILY PJM	PAP	250	270	-7.4%	270	-7.4%
DAILY PJM	PEO	5,120	2,400	113.3%	4,560	12.3%
DAILY PJM	PNO	0	16,320	-100.0%	0	-
DAILY PJM	PNP	0	1,053	-100.0%	0	-
DAILY PJM	PWO	11,264	15,360	-26.7%	10,032	12.3%
DAILY PJM	PWP	550	864	-36.3%	594	-7.4%
DAILY PJM	WOR	3,648	11,328	-67.8%	3,648	0.0%
DAILY PJM	ZAO	1,024	2,104	-51.3%	912	12.3%
DAILY PJM	ZGO	29,184	26,760	9.1%	24,232	20.4%
DAILY PJM	ZJO	1,536	14,400	-89.3%	1,368	12.3%
DATED BRENT (PLATTS) DAILY SWAP	7G	0	0	-	0	-
DATED TO FRONTLINE BRENT	FY	644	2,180	-70.5%	500	28.8%
DIESEL 10P BRG FOB RDM VS	7X	0	0	-	0	-
DOMINION TRAN INC - APP I	IH	0	0	-	0	-
DOMINION TRANSMISSION INC	PG	1,596	8,042	-80.2%	1,776	-10.1%
DUBAI CRUDE OIL BALMO	BI	0	0	-	300	-100.0%
DUBAI CRUDE OIL CALENDAR	DC	10,050	4,307	133.3%	6,354	58.2%
DUTCH TTF NATURAL GAS CAL MONTH FUT	TTF	18,335	2,076	783.2%	14,664	25.0%
EASTERN RAIL DELIVERY CSX	QX	0	0	-	0	-
EAST/WEST FUEL OIL SPREAD	EW	9	39	-76.9%	10	-10.0%
EIA FLAT TAX ONHWAY DIESE	A5	2,789	1,468	90.0%	2,603	7.1%

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<b>Energy Futures</b>						
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	386	898	-57.0%	430	-10.2%
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	7,026	16,402	-57.2%	7,808	-10.0%
ELECTRICITY OFF PEAK	4P	0	55,380	-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	30	-100.0%	0	0.0%
ETHANOL	Z1B	0	0	-	0	-
ETHANOL SWAP	MT2	476	470	1.3%	623	-23.6%
ETHANOL T2 FOB ROTT INCL DUTY SWAP	Z1	6,173	4,646	32.9%	6,844	-9.8%
EURO 1% FUEL OIL NEW BALM	KX	0	0	-	0	-
EURO 3.5% FUEL OIL RDAM B	KR	0	38	-100.0%	0	-
EURO 3.5% FUEL OIL SPREAD	FK	0	85	-100.0%	17	-100.0%
EURO-DENOMINATED PETRO PROD	NCP	0	0	-	0	-
EURO GASOIL 10PPM VS ICE	ET	75	0	-	75	0.0%
EUROPE 1% FUEL OIL NWE CA	UF	0	242	-100.0%	1	-100.0%
EUROPE 1% FUEL OIL RDAM C	UH	0	3	-100.0%	0	-
EUROPE 3.5% FUEL OIL MED	UI	0	125	-100.0%	10	-100.0%
EUROPE 3.5% FUEL OIL RDAM	UV	2,047	6,761	-69.7%	2,369	-13.6%
EUROPEAN GASOIL (ICE)	7F	160	100	60.0%	198	-19.2%
EUROPEAN NAPHTHA BALMO	KZ	7	128	-94.5%	0	-
EUROPEAN NAPHTHA CRACK SPR	EN	6,574	12,534	-47.6%	6,693	-1.8%
EUROPE DATED BRENT SWAP	UB	0	690	-100.0%	0	-
EUROPE JET KERO NWE CALSW	UJ	0	26	-100.0%	0	-
EUROPE NAPHTHA CALSWAP	UN	1,041	2,715	-61.7%	1,043	-0.2%
EURO PROPANE CIF ARA SWA	PS	2,481	2,088	18.8%	2,696	-8.0%
FREIGHT MARKETS	ACB	795	0	-	840	-5.4%
FREIGHT MARKETS	BF1	0	0	-	0	-
FREIGHT MARKETS	BF2	225	0	-	135	66.7%
FREIGHT MARKETS	BF3	0	0	-	0	-
FREIGHT MARKETS	FLP	717	869	-17.5%	428	67.5%
FREIGHT MARKETS	FRC	90	390	-76.9%	155	-41.9%
FREIGHT MARKETS	FRS	0	0	-	0	-
FREIGHT MARKETS	T2D	735	2,595	-71.7%	825	-10.9%
FREIGHT MARKETS	TC6	0	0	-	0	-
FREIGHT MARKETS	TD3	0	70	-100.0%	0	-
FREIGHT MARKETS	TD8	0	30	-100.0%	0	-
FREIGHT MARKETS	USC	90	0	-	90	0.0%
FUEL OIL CRACK VS ICE	FO	4,974	7,917	-37.2%	5,421	-8.2%
FUEL OIL NWE CRACK VS ICE	FI	117	171	-31.6%	130	-10.0%
FUEL OIL (PLATS) CAR CM	1W	0	0	-	0	-
FUEL OIL (PLATS) CAR CN	1X	0	0	-	0	-
FUELOIL SWAP:CARGOES VS.B	FS	305	995	-69.3%	346	-11.8%
GAS EURO-BOB OXY NWE BARGES	7H	2,960	5,960	-50.3%	3,373	-12.2%

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<b>Energy Futures</b>						
GAS EURO-BOB OXY NWE BARGES CRK	7K	22,381	27,681	-19.1%	17,162	30.4%
GASOIL 0.1CIF MED VS ICE	Z5	0	0	-	0	-
GASOIL 0.1 CIF NWE VS ISE	TU	0	5	-100.0%	0	-
GASOIL 0.1 RDAM BRGS VS I	WQ	0	15	-100.0%	0	-
GASOIL 0.1 ROTTERDAM BARG	VL	45	67	-32.8%	30	50.0%
GASOIL 10PPM VS ICE SWAP	TP	0	24	-100.0%	0	-
GASOIL CALENDAR SWAP	GX	112	48	133.3%	106	5.7%
GASOIL CRACK SPREAD CALEN	GZ	7,584	12,390	-38.8%	8,206	-7.6%
GASOIL MINI CALENDAR SWAP	QA	1,086	752	44.4%	1,377	-21.1%
GERMAN POWER BASELOAD CAL MONTH FUT	DEB	2,065	724	185.2%	2,037	1.4%
GROUP THREE ULSD (PLATTS)	A7	0	45	-100.0%	0	-
GROUP THREE UNLEAD GAS (P	A9	0	0	-	50	-100.0%
GRP THREE ULSD(PLT)VS HEA	A6	10,098	6,998	44.3%	8,882	13.7%
GRP THREE UNL GS (PLT) VS	A8	5,279	4,555	15.9%	4,493	17.5%
GULF COAST 3% FUEL OIL BA	VZ	272	665	-59.1%	180	51.1%
GULF COAST JET FUEL CLNDR	GE	942	683	37.9%	525	79.4%
GULF COAST JET VS NYM 2 H	ME	24,717	35,208	-29.8%	24,822	-0.4%
GULF COAST NO.6 FUEL OIL	MF	17,460	26,807	-34.9%	19,882	-12.2%
GULF COAST NO.6 FUEL OIL	MG	331	1,108	-70.1%	694	-52.3%
GULF COAST ULSD CALENDAR	LY	3,705	1,603	131.1%	1,971	88.0%
GULF COAST ULSD CRACK SPR	GY	900	510	76.5%	960	-6.2%
HEATING OIL BALMO CLNDR S	1G	537	35	1,434.3%	300	79.0%
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	3,680	12,027	-69.4%	4,280	-14.0%
HENRY HUB FINANCIAL LAST	NBP	0	0	-	0	-
HENRY HUB FINANCIAL LAST	TTE	0	0	-	0	-
HENRY HUB INDEX SWAP FUTU	IN	5,992	13,437	-55.4%	5,992	0.0%
HENRY HUB SWAP	NN	720,724	978,248	-26.3%	724,455	-0.5%
HOUSTON SHIP CHANNEL BASI	NH	4,766	10,020	-52.4%	5,036	-5.4%
ICE BRENT DUBAI SWAP	DB	28,483	34,642	-17.8%	32,904	-13.4%
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	86	426	-79.8%	100	-14.0%
INDIANA MISO	PTD	49	455	-89.2%	49	0.0%
INDONESIAN COAL ICI4	ICI	518	820	-36.8%	549	-5.6%
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	150	121	24.0%	150	0.0%
JAPAN C&F NAPHTHA SWAP	JA	312	1,700	-81.6%	373	-16.4%
JAPAN NAPHTHA BALMO SWAP	E6	0	5	-100.0%	0	-
JET AV FUEL (P) CAR FM ICE GAS SWAP	1V	0	0	-	0	-
JET CIF NWE VS ICE	JC	45	327	-86.2%	50	-10.0%
JET FUEL CRG CIF NEW VS I	6X	0	0	-	0	-
JET FUEL UP-DOWN BALMO CL	1M	2,053	4,680	-56.1%	2,027	1.3%
JKM LNG Futures	JKM	4,125	5,056	-18.4%	4,425	-6.8%
LA CARB DIESEL (OPIS) SWA	KL	1,433	128	1,019.5%	1,119	28.1%
LA CARBOB GASOLINE(OPIS)S	JL	150	300	-50.0%	250	-40.0%
LA JET (OPIS) SWAP	JS	1,638	1,791	-8.5%	2,239	-26.8%
LLS (ARGUS) CALENDAR SWAP	XA	212	439	-51.7%	230	-7.8%
LLS (ARGUS) VS WTI SWAP	WJ	10,303	23,249	-55.7%	7,111	44.9%
LOS ANGELES CARB GASOLINE	MH	0	0	-	0	-

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Energy Futures						
MARS (ARGUS) VS WTI SWAP	YX	450	5,460	-91.8%	850	-47.1%
MARS (ARGUS) VS WTI TRD M	YV	15,386	27,792	-44.6%	20,575	-25.2%
MARS BLEND CRUDE OIL	MB	0	0	-	0	-
MCCLOSKY ARA ARGS COAL	MTF	20,325	20,361	-0.2%	22,273	-8.7%
MCCLOSKY RCH BAY COAL	MFF	1,864	3,218	-42.1%	2,084	-10.6%
MGF FUT	MGF	0	0	-	0	-
MGN1 SWAP FUT	MGN	335	300	11.7%	330	1.5%
MICHIGAN BASIS	NF	736	1,648	-55.3%	856	-14.0%
MICHIGAN MISO	HMO	0	0	-	0	-
MICHIGAN MISO	HMW	0	0	-	0	-
MINI GAS EUROBOB OXY NWE ARGS BALMO	MEB	9	67	-86.6%	45	-80.0%
MINI RBOB V. EBOBARG NWE BRGS BALMO	MXR	170	1,144	-85.1%	350	-51.4%
MINI RBOB V. EBOB(ARGUS) NWE BRGS	MXB	1,040	3,729	-72.1%	1,246	-16.5%
MJC FUT	MJC	45	260	-82.7%	50	-10.0%
MNC FUT	MNC	2,267	5,936	-61.8%	2,371	-4.4%
MONT BELVIEU ETHANE 5 DECIMAL	C0	39,114	38,859	0.7%	41,740	-6.3%
MONT BELVIEU ETHANE OPIS BALMO	8C	193	149	29.5%	90	114.4%
MONT BELVIEU LDH PROPANE 5 DECIMAL	B0	138,660	144,006	-3.7%	140,195	-1.1%
MONT BELVIEU LDH PROPANE OPIS BALMO	8O	2,742	879	211.9%	2,320	18.2%
MONT BELVIEU NATURAL GASOLINE 5 DEC	7Q	41,503	17,011	144.0%	40,402	2.7%
MONT BELVIEU NATURAL GASOLINE BALMO	R0	1,014	300	238.0%	982	3.3%
MONT BELVIEU NORMAL BUTANE 5 DECIMAL	D0	62,339	43,180	44.4%	62,246	0.1%
MONT BELVIEU NORMAL BUTANE BALMO	8J	2,283	1,197	90.7%	1,233	85.2%
NAT GAS BASIS SWAP	TZ6	0	1,715	-100.0%	0	-
NATURAL GAS	XIC	0	0	-	0	-
NATURAL GAS PEN SWP	NP	151,946	128,032	18.7%	138,202	9.9%
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	261,603	375,753	-30.4%	276,443	-5.4%
NEPOOL INTR HUB 5MW D AH	U6	12,900	21,279	-39.4%	13,600	-5.1%
NEPOOL NE MASS 5MW D AH O	P8	0	10,587	-100.0%	0	-
NEPOOL NE MASS 5MW D AH P	P7	0	576	-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	1,195	1,452	-17.7%	1,375	-13.1%
NEW YORK ETHANOL SWAP	EZ	1,200	1,005	19.4%	1,508	-20.4%
NEW YORK HUB ZONE G PEAK	GN	1,381	1,056	30.8%	1,353	2.1%
NEW YORK HUB ZONE J PEAK	JN	248	1,155	-78.5%	264	-6.1%
NGPL MID-CONTINENT	NL	520	10,840	-95.2%	520	0.0%
NGPL TEX/OK	PD	120	17,877	-99.3%	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	375	-100.0%	0	-
NORTHEN NATURAL GAS DEMAR	PE	0	368	-100.0%	0	-
NORTHEN NATURAL GAS VENTU	PF	0	1,104	-100.0%	0	-
NORTHWEST ROCKIES BASIS S	NR	490	11,389	-95.7%	550	-10.9%
N ROCKIES PIPE SWAP	XR	0	0	-	0	-
NY1% VS GC SPREAD SWAP	VR	1,714	1,710	0.2%	1,401	22.3%
NY 3.0% FUEL OIL (PLATTS	H1	0	300	-100.0%	0	-
NY HARBOR 1% FUEL OIL BAL	VK	0	0	-	0	-
NY HARBOR HEAT OIL SWP	MP	13,910	8,384	65.9%	14,287	-2.6%

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Commodity		Open Interest APR 2020	Open Interest APR 2019	% CHG	Open Interest MAR 2020	% CHG
<b>Energy Futures</b>						
NY HARBOR LOW SULPUR GAS 1000MBBL	NLS	765	915	-16.4%	790	-3.2%
NY HARBOR RESIDUAL FUEL 1	MM	2,394	1,015	135.9%	2,713	-11.8%
NY HARBOR RESIDUAL FUEL C	ML	0	0	-	0	-
NYH NO 2 CRACK SPREAD CAL	HK	4,383	3,441	27.4%	3,701	18.4%
NYISO CAPACITY	LHV	188	756	-75.1%	211	-10.9%
NYISO CAPACITY	NNC	0	174	-100.0%	0	-
NYISO CAPACITY	NRS	0	262	-100.0%	7	-100.0%
NYISO J	KJ	0	0	-	0	-
NYISO J OFF-PEAK	KK	0	0	-	0	-
NYISO ZONE A 5MW D AH O P	K4	5,442	14,882	-63.4%	6,290	-13.5%
NYISO ZONE A 5MW D AH PK	K3	0	1,776	-100.0%	0	-
NYISO ZONE G 5MW D AH O P	D2	207,962	439,962	-52.7%	232,130	-10.4%
NYISO ZONE G 5MW D AH PK	T3	14,391	17,008	-15.4%	15,211	-5.4%
NYISO ZONE J 5MW D AH O P	D4	8,163	97,086	-91.6%	9,435	-13.5%
NYISO ZONE J 5MW D AH PK	D3	1,208	8,306	-85.5%	1,368	-11.7%
NYMEX ALUMINUM FUTURES	AN	0	539	-100.0%	0	-
NYMEX ULSD VS NYMEX HO	UY	200	700	-71.4%	300	-33.3%
NY ULSD (ARGUS) VS HEATING OIL	7Y	2,057	969	112.3%	1,459	41.0%
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	1,008	3,763	-73.2%	1,129	-10.7%
PANHANDLE PIPE SWAP	XH	0	0	-	0	-
PERMIAN BASIS SWAP	PM	2,205	4,152	-46.9%	2,475	-10.9%
PETROCHEMICALS	22	153	171	-10.5%	149	2.7%
PETROCHEMICALS	32	108	61	77.0%	80	35.0%
PETROCHEMICALS	3NA	6	28	-78.6%	6	0.0%
PETROCHEMICALS	51	0	5	-100.0%	5	-100.0%
PETROCHEMICALS	81	0	0	-	60	-100.0%
PETROCHEMICALS	8I	5,999	4,958	21.0%	6,223	-3.6%
PETROCHEMICALS	91	706	850	-16.9%	770	-8.3%
PETROCHEMICALS	MAA	160	50	220.0%	15	966.7%
PETROCHEMICALS	MAE	2,054	568	261.6%	1,528	34.4%
PETROCHEMICALS	MAS	620	235	163.8%	696	-10.9%
PETROCHEMICALS	MBE	220	315	-30.2%	340	-35.3%
PETROCHEMICALS	MNB	1,074	2,221	-51.6%	1,190	-9.7%
PETROCHEMICALS	MPS	902	265	240.4%	652	38.3%
PETRO CRCKS & SPRDS ASIA	JNC	0	0	-	0	-
PETRO CRCKS & SPRDS ASIA	STI	0	0	-	0	-
PETRO CRCKS & SPRDS ASIA	STR	180	690	-73.9%	200	-10.0%
PETRO CRCKS & SPRDS ASIA	STS	150	220	-31.8%	200	-25.0%
PETRO CRCKS & SPRDS NA	CRB	20,585	9,145	125.1%	16,080	28.0%
PETRO CRCKS & SPRDS NA	EXR	2,002	4,652	-57.0%	2,176	-8.0%
PETRO CRCKS & SPRDS NA	FOC	540	500	8.0%	600	-10.0%
PETRO CRCKS & SPRDS NA	GBB	1,340	220	509.1%	200	570.0%
PETRO CRCKS & SPRDS NA	GCC	405	165	145.5%	210	92.9%
PETRO CRCKS & SPRDS NA	GCI	1,723	2,363	-27.1%	2,314	-25.5%
PETRO CRCKS & SPRDS NA	GCM	0	0	-	0	-
PETRO CRCKS & SPRDS NA	GCU	7,035	15,313	-54.1%	7,675	-8.3%
PETRO CRCKS & SPRDS NA	GFC	0	0	-	0	-
PETRO CRCKS & SPRDS NA	HOB	10,026	7,560	32.6%	10,194	-1.6%
PETRO CRCKS & SPRDS NA	MFR	0	0	-	0	-



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<b>Energy Futures</b>						
PETRO CRCKS & SPRDS NA	NFG	0	0	-	0	-
PETRO CRCKS & SPRDS NA	NYF	0	0	-	0	-
PETRO CRCKS & SPRDS NA	RBB	12,631	18,624	-32.2%	13,139	-3.9%
PETRO CRCKS & SPRDS NA	RVG	13,119	16,533	-20.6%	14,527	-9.7%
PETRO CRCKS & SPRDS NA	SF3	33	167	-80.2%	38	-13.2%
PETRO CRK&SPRD EURO	1NB	1,950	3,565	-45.3%	1,825	6.8%
PETRO CRK&SPRD EURO	1ND	0	0	-	0	-
PETRO CRK&SPRD EURO	43	0	75	-100.0%	0	-
PETRO CRK&SPRD EURO	BFR	0	60	-100.0%	0	-
PETRO CRK&SPRD EURO	BOB	2,232	3,043	-26.7%	2,440	-8.5%
PETRO CRK&SPRD EURO	EOB	30	35	-14.3%	35	-14.3%
PETRO CRK&SPRD EURO	EPN	884	1,301	-32.1%	1,054	-16.1%
PETRO CRK&SPRD EURO	EVC	468	2,925	-84.0%	552	-15.2%
PETRO CRK&SPRD EURO	FBT	0	60	-100.0%	0	-
PETRO CRK&SPRD EURO	FVB	15	30	-50.0%	20	-25.0%
PETRO CRK&SPRD EURO	GCB	0	0	-	0	-
PETRO CRK&SPRD EURO	GOC	9	21	-57.1%	10	-10.0%
PETRO CRK&SPRD EURO	MGB	30	90	-66.7%	30	0.0%
PETRO CRK&SPRD EURO	MUD	160	10	1,500.0%	160	0.0%
PETRO CRK&SPRD EURO	NBB	0	21	-100.0%	0	-
PETRO CRK&SPRD EURO	NOB	867	2,102	-58.8%	921	-5.9%
PETRO CRK&SPRD EURO	SFB	0	21	-100.0%	0	-
PETROLEUM PRODUCTS	1NM	159	123	29.3%	155	2.6%
PETROLEUM PRODUCTS	EWG	1,125	4,588	-75.5%	2,320	-51.5%
PETROLEUM PRODUCTS	H5F	5,469	0	-	5,972	-8.4%
PETROLEUM PRODUCTS	JCC	1,085	0	-	975	11.3%
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	38	0	-	36	5.6%
PETROLEUM PRODUCTS	S53	60	0	-	62	-3.2%
PETROLEUM PRODUCTS	UP5	921	0	-	1,020	-9.7%
PETROLEUM PRODUCTS	VU	360	0	-	187	92.5%
PETROLEUM PRODUCTS ASIA	E6M	45	0	-	0	-
PETROLEUM PRODUCTS ASIA	MJN	802	1,914	-58.1%	935	-14.2%
PETROLEUM PRODUCTS ASIA	MSB	0	0	-	0	-
PETRO OUTRIGHT EURO	0B	154	10	1,440.0%	163	-5.5%
PETRO OUTRIGHT EURO	0C	0	10	-100.0%	0	-
PETRO OUTRIGHT EURO	0D	856	3,968	-78.4%	1,053	-18.7%
PETRO OUTRIGHT EURO	0E	0	20	-100.0%	0	-
PETRO OUTRIGHT EURO	0F	90	1,009	-91.1%	112	-19.6%
PETRO OUTRIGHT EURO	1T	0	26	-100.0%	0	-
PETRO OUTRIGHT EURO	33	0	0	-	0	-
PETRO OUTRIGHT EURO	5L	40	10	300.0%	0	-
PETRO OUTRIGHT EURO	63	0	0	-	0	-
PETRO OUTRIGHT EURO	7I	0	42	-100.0%	0	-
PETRO OUTRIGHT EURO	7R	5	114	-95.6%	21	-76.2%
PETRO OUTRIGHT EURO	88	0	0	-	0	-
PETRO OUTRIGHT EURO	CBB	0	0	-	0	-
PETRO OUTRIGHT EURO	CGB	0	0	-	7	-100.0%
PETRO OUTRIGHT EURO	CPB	398	62	541.9%	100	298.0%
PETRO OUTRIGHT EURO	EFF	0	5	-100.0%	0	-

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<b>Energy Futures</b>						
PETRO OUTRIGHT EURO	EFM	0	0	-	0	-
PETRO OUTRIGHT EURO	ENS	27	55	-50.9%	30	-10.0%
PETRO OUTRIGHT EURO	EWN	95	1,001	-90.5%	107	-11.2%
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	818	0	-	997	-18.0%
PETRO OUTRIGHT EURO	M1B	1,146	0	-	1,377	-16.8%
PETRO OUTRIGHT EURO	M35	0	0	-	0	-
PETRO OUTRIGHT EURO	MBB	0	0	-	0	-
PETRO OUTRIGHT EURO	MBN	2,125	2,328	-8.7%	2,023	5.0%
PETRO OUTRIGHT EURO	MEF	190	1,317	-85.6%	112	69.6%
PETRO OUTRIGHT EURO	R53	54	12	350.0%	62	-12.9%
PETRO OUTRIGHT EURO	R5B	0	0	-	10	-100.0%
PETRO OUTRIGHT EURO	R5M	1,313	4	32,725.0%	1,164	12.8%
PETRO OUTRIGHT EURO	R5O	1,815	115	1,478.3%	1,854	-2.1%
PETRO OUTRIGHT EURO	RBM	18	0	-	11	63.6%
PETRO OUTRIGHT EURO	S5F	315	0	-	223	41.3%
PETRO OUTRIGHT EURO	S5M	3,729	37	9,978.4%	3,135	18.9%
PETRO OUTRIGHT EURO	S5O	1,134	0	-	766	48.0%
PETRO OUTRIGHT EURO	SMU	90	0	-	100	-10.0%
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	50	0	-	0	-
PETRO OUTRIGHT NA	BCR	175	0	-	0	-
PETRO OUTRIGHT NA	DBB	0	0	-	75	-100.0%
PETRO OUTRIGHT NA	FCB	0	132	-100.0%	0	-
PETRO OUTRIGHT NA	FOM	0	0	-	0	-
PETRO OUTRIGHT NA	H5B	175	0	-	1,229	-85.8%
PETRO OUTRIGHT NA	JE	780	21	3,614.3%	540	44.4%
PETRO OUTRIGHT NA	JET	575	2,625	-78.1%	675	-14.8%
PETRO OUTRIGHT NA	JTB	100	550	-81.8%	25	300.0%
PETRO OUTRIGHT NA	MBL	167	0	-	183	-8.7%
PETRO OUTRIGHT NA	MEN	90	185	-51.4%	90	0.0%
PETRO OUTRIGHT NA	MEO	1,667	3,542	-52.9%	1,392	19.8%
PETRO OUTRIGHT NA	MFD	182	0	-	187	-2.7%
PETRO OUTRIGHT NA	MMF	0	170	-100.0%	70	-100.0%
PETRO OUTRIGHT NA	XER	0	0	-	0	-
PJM AD HUB 5MW REAL TIME	V3	93,895	176,246	-46.7%	99,415	-5.6%
PJM AD HUB 5MW REAL TIME	Z9	9,737	16,469	-40.9%	10,661	-8.7%
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	256	904	-71.7%	256	0.0%
PJM DAYTON DA OFF-PEAK	R7	27,210	60,565	-55.1%	31,450	-13.5%



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<b>Energy Futures</b>						
PJM DAYTON DA PEAK	D7	1,510	4,050	-62.7%	1,710	-11.7%
PJM NI HUB 5MW REAL TIME	B3	3,415	7,040	-51.5%	3,525	-3.1%
PJM NI HUB 5MW REAL TIME	B6	62,365	60,059	3.8%	64,205	-2.9%
PJM NILL DA OFF-PEAK	L3	0	94,146	-100.0%	0	-
PJM NILL DA PEAK	N3	0	5,772	-100.0%	0	-
PJM OFF-PEAK LMP SWAP FUT	JP	0	0	-	0	-
PJM PECO ZONE5MW PEAK CAL MO DAY AH	4N	0	2,960	-100.0%	0	-
PJM PSEG DA OFF-PEAK	W6	0	76,825	-100.0%	0	-
PJM PSEG DA PEAK	L6	0	3,920	-100.0%	0	-
PJM WESTH DA OFF-PEAK	E4	5,442	136,972	-96.0%	14,770	-63.2%
PJM WESTHDA PEAK	J4	302	7,370	-95.9%	742	-59.3%
PJM WESTH RT OFF-PEAK	N9	388,017	736,490	-47.3%	402,001	-3.5%
PJM WESTH RT PEAK	L1	54,998	109,932	-50.0%	57,814	-4.9%
PLASTICS	PGP	4,765	3,461	37.7%	4,634	2.8%
PREMIUM UNLND 10P FOB MED	3G	63	426	-85.2%	63	0.0%
PREMIUM UNLEAD 10PPM FOB	8G	0	0	-	0	-
PREM UNL GAS 10PPM RDAM FOB BALMO	7N	0	0	-	0	-
PREM UNL GAS 10PPM RDAM FOB SWAP	7L	0	15	-100.0%	0	-
PROPANE NON-LDH MB (OPIS) BALMO SWP	1S	1,195	937	27.5%	1,329	-10.1%
PROPANE NON-LDH MT. BEL (OPIS) SWP	1R	62,844	66,288	-5.2%	60,479	3.9%
RBOB CALENDAR SWAP	RL	12,454	15,768	-21.0%	9,172	35.8%
RBOB CRACK SPREAD	RM	3,930	4,977	-21.0%	3,655	7.5%
RBOB CRACK SPREAD BALMO S	1E	0	0	-	0	-
RBOB GASOLINE BALMO CLNDR	1D	1,241	1,598	-22.3%	610	103.4%
RBOB PHY	RBL	0	0	0.0%	0	0.0%
RBOB SPREAD (PLATTS) SWAP	RI	0	0	-	0	-
RBOB VS HEATING OIL SWAP	RH	1,165	75	1,453.3%	1,375	-15.3%
SAN JUAN BASIS SWAP	NJ	368	6,002	-93.9%	428	-14.0%
SAN JUAN PIPE SWAP	XX	0	0	-	0	-
SINGAPORE 180CST BALMO	BS	0	26	-100.0%	0	-
SINGAPORE 380CST BALMO	BT	1	78	-98.7%	0	-
SINGAPORE 380CST FUEL OIL	SE	996	5,490	-81.9%	1,091	-8.7%
SINGAPORE FUEL 180CST CAL	UA	21	667	-96.9%	39	-46.2%
SINGAPORE FUEL OIL SPREAD	SD	120	190	-36.8%	150	-20.0%
SINGAPORE GASOIL	MAF	350	4,200	-91.7%	363	-3.6%
SINGAPORE GASOIL	MTB	10	28	-64.3%	0	-
SINGAPORE GASOIL	MTS	1,081	6,131	-82.4%	1,175	-8.0%
SINGAPORE GASOIL	SBM	22	0	-	20	10.0%
SINGAPORE GASOIL	STZ	0	0	-	0	-
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	1,039	323	221.7%	1,633	-36.4%
SINGAPORE GASOIL CALENDAR	SGG	0	0	-	0	-
SINGAPORE GASOIL SWAP	SG	2,071	2,093	-1.1%	2,211	-6.3%
SINGAPORE GASOIL VS ICE	GA	4,647	17,085	-72.8%	5,019	-7.4%
SINGAPORE JET KERO BALMO	BX	0	0	-	92	-100.0%
SINGAPORE JET KERO GASOIL	RK	0	5,655	-100.0%	0	-
SINGAPORE JET KEROSENE SW	KS	1,310	1,555	-15.8%	2,533	-48.3%
SINGAPORE JET KERO VS. GASOIL BALMO	ZO	0	0	-	0	-
SINGAPORE MOGAS 92 UNLEADED BALMO	1P	0	450	-100.0%	0	-
SINGAPORE MOGAS 92 UNLEADED SWP	1N	9,108	20,277	-55.1%	11,868	-23.3%

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<b>Energy Futures</b>						
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	1,557	-100.0%	0	-
TC2 ROTTERDAM TO USAC 37K	TM	180	415	-56.6%	195	-7.7%
TC5 RAS TANURA TO YOKOHAM	TH	845	1,445	-41.5%	1,030	-18.0%
TCO BASIS SWAP	TC	736	3,672	-80.0%	856	-14.0%
TD3 MEG TO JAPAN 250K MT	TL	9,488	12,267	-22.7%	10,191	-6.9%
TENNESSEE ZONE 0 BASIS SW	NQ	0	0	-	0	-
Tetco STX Basis	TX	0	0	-	0	-
TEXAS EASTERN ZONE M-3 BA	NX	490	1,404	-65.1%	550	-10.9%
TEXAS GAS ZONE1 NG BASIS	9F	0	0	-	0	-
Transco Zone 3 Basis	CZ	0	0	-	0	-
TRANSCO ZONE4 BASIS SWAP	TR	1,016	2,616	-61.2%	1,146	-11.3%
TRANSCO ZONE 6 BASIS SWAP	NZ	0	0	-	0	-
UCM FUT	UCM	0	0	-	0	-
UK NBP NAT GAS CAL MTH FUT	UKG	319	160	99.4%	310	2.9%
ULSD 10PPM CIF MED VS ICE	Z7	0	0	-	0	-
ULSD UP-DOWN BALMO SWP	1L	4,420	3,300	33.9%	6,935	-36.3%
UP DOWN GC ULSD VS NMX HO	LT	60,512	42,918	41.0%	51,788	16.8%
WAHA BASIS	NW	423	1,848	-77.1%	489	-13.5%
WESTERN RAIL DELIVERY PRB	QP	0	0	-	0	-
WTI-BRENT BULLET SWAP	BY	402	3,654	-89.0%	419	-4.1%
WTI-BRENT CALENDAR SWAP	BK	128,718	167,910	-23.3%	144,026	-10.6%
WTI CALENDAR	CS	204,240	191,411	6.7%	185,124	10.3%
WTI MIDLAND CRUDE OIL	WTL	300	0	-	300	0.0%
WTS (ARGUS) VS WTI SWAP	FF	83,480	52,148	60.1%	80,047	4.3%
WTS (ARGUS) VS WTI TRD MT	FH	9,321	5,843	59.5%	6,755	38.0%
<b>Energy Options</b>						
BRENT 1 MONTH CAL	AA	0	0	-	0	-
BRENT CALENDAR SWAP	BA	5,152	6,627	-22.3%	5,520	-6.7%
BRENT CRUDE OIL 12 M CSO	9Y	0	0	-	0	-
BRENT CRUDE OIL 1 M CSO	9C	21,200	27,300	-22.3%	21,300	-0.5%
BRENT CRUDE OIL 6 M CSO	9L	0	0	-	0	-
BRENT OIL LAST DAY	BE	40,320	64,260	-37.3%	39,570	1.9%
BRENT OIL LAST DAY	BZO	68,645	138,058	-50.3%	123,253	-44.3%
BRENT OIL LAST DAY	OS	0	50	-100.0%	0	-
COAL API2 INDEX	CLA	0	230	-100.0%	0	-
COAL API2 INDEX	CQA	0	350	-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	556,097	596,856	-6.8%	604,213	-8.0%
CRUDE OIL APO	AO	408,026	386,852	5.5%	410,876	-0.7%
CRUDE OIL CALNDR STRIP	6F	0	200	-100.0%	0	-
CRUDE OIL OUTRIGHTS	AH	0	0	-	0	-
CRUDE OIL OUTRIGHTS	WCI	0	295	-100.0%	0	-
CRUDE OIL PHY	CD	0	0	-	0	-
CRUDE OIL PHY	LC	60,945	50,167	21.5%	38,790	57.1%
CRUDE OIL PHY	LO	2,941,758	2,749,023	7.0%	2,725,326	7.9%

## NYMEX/COMEX Exchange Open Interest Report - Monthly

	Commodity	Open Interest APR 2020	Open Interest APR 2019	% CHG	Open Interest MAR 2020	% CHG
Energy Options						
CRUDE OIL PHY	LO1	2,997	8,867	-66.2%	5,175	-42.1%
CRUDE OIL PHY	LO2	976	1,179	-17.2%	430	127.0%
CRUDE OIL PHY	LO3	4	895	-99.6%	101	-96.0%
CRUDE OIL PHY	LO4	1	89	-98.9%	12	-91.7%
CRUDE OIL PHY	LO5	0	0	-	0	-
ETHANOL	CE1	0	0	-	0	-
ETHANOL	CE3	0	0	-	0	-
ETHANOL SWAP	CVR	7,185	12,944	-44.5%	7,035	2.1%
ETHANOL SWAP	GVR	720	1,920	-62.5%	720	0.0%
FREIGHT MARKETS	TDT	0	0	-	0	-
HEATING OIL PHY	LB	457	357	28.0%	520	-12.1%
HEATING OIL PHY	OH	31,763	52,819	-39.9%	28,768	10.4%
HENRY HUB FINANCIAL LAST	E7	24,754	11,223	120.6%	20,863	18.7%
HO 1 MONTH CLNDR OPTIONS	FA	0	1,000	-100.0%	0	-
LLS CRUDE OIL	WJO	0	0	-	0	-
LLS CRUDE OIL	YVO	0	0	-	0	-
MCCLOSKY ARA ARGS COAL	MTO	1,815	0	-	1,350	34.4%
MCCLOSKY RCH BAY COAL	MFO	50	50	0.0%	0	0.0%
NATURAL GAS 1 M CSO FIN	G4	82,100	9,800	737.8%	53,300	54.0%
NATURAL GAS 2 M CSO FIN	G2	3,500	0	-	3,500	0.0%
NATURAL GAS 3 M CSO FIN	G3	77,910	22,800	241.7%	68,750	13.3%
NATURAL GAS 5 M CSO FIN	G5	0	0	-	4,000	-100.0%
NATURAL GAS 6 M CSO FIN	G6	0	9,500	-100.0%	0	-
NATURAL GAS OPT	TFO	2,000	0	-	2,500	-20.0%
NATURAL GAS OPTION ON CALENDAR STRP	6J	19,884	10,284	93.3%	16,864	17.9%
NATURAL GAS PHY	KD	0	0	0.0%	0	0.0%
NATURAL GAS PHY	LN	2,410,102	1,464,558	64.6%	2,440,541	-1.2%
NATURAL GAS PHY	ON	76,618	63,537	20.6%	77,861	-1.6%
NATURAL GAS WINTER STRIP	6I	600	0	-	600	0.0%
N ROCKIES PIPE SWAP	ZR	0	1,332	-100.0%	0	-
NY HARBOR HEAT OIL SWP	AT	13,346	10,659	25.2%	13,970	-4.5%
NYISO ZONE G 5MW PEAK OPTIONS	9U	0	0	-	0	-
PANHANDLE PIPE SWAP	PU	0	0	-	0	-
PETROCHEMICALS	4H	220	2,304	-90.5%	285	-22.8%
PETROCHEMICALS	4J	30	675	-95.6%	30	0.0%
PETROCHEMICALS	4K	0	80	-100.0%	0	-
PETROCHEMICALS	CPR	126	0	-	126	0.0%
PETRO OUTRIGHT EURO	8H	0	0	-	0	-
PETRO OUTRIGHT EURO	BCO	24	24	0.0%	26	-7.7%
PETRO OUTRIGHT NA	DAP	1,295	654	98.0%	1,180	9.7%
PJM WES HUB PEAK CAL MTH	6OA	1,540	820	87.8%	1,540	0.0%
PJM WES HUB PEAK CAL MTH	JOA	0	0	-	0	-
PJM WES HUB PEAK LMP 50MW	PMA	512	1,567	-67.3%	512	0.0%
RBOB 1MO CAL SPD OPTIONS	ZA	0	0	-	0	-
RBOB CALENDAR SWAP	RA	110	213	-48.4%	140	-21.4%
RBOB CRACK	RX	0	0	-	0	-
RBOB PHY	OB	11,698	25,057	-53.3%	9,472	23.5%
RBOB PHY	RF	372	70	431.4%	153	143.1%
ROTTERDAM 3.5%FUEL OIL CL	Q6	0	0	-	0	-
SAN JUAN PIPE SWAP	PJ	0	455	-100.0%	0	-
SHORT TERM	C15	0	0	-	0	-
SHORT TERM	U11	0	0	-	0	-
SHORT TERM	U12	0	0	-	0	-

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<b>Energy Options</b>						
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	400	0	-	100	300.0%
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	191,980	116,000	65.5%	227,685	-15.7%
WTI CRUDE OIL 1 M CSO FI	7A	285,770	149,400	91.3%	223,425	27.9%
<b>Metals Futures</b>						
COMEX GOLD	GC	490,551	431,977	13.6%	495,652	-1.0%
NYMEX HOT ROLLED STEEL	HR	25,063	17,090	46.7%	23,024	8.9%
NYMEX PLATINUM	PL	51,163	75,825	-32.5%	54,148	-5.5%
PALLADIUM	PA	8,105	22,722	-64.3%	7,655	5.9%
URANIUM	UX	345	3,708	-90.7%	805	-57.1%
COMEX SILVER	SI	134,672	197,060	-31.7%	139,256	-3.3%
COMEX E-Mini GOLD	QO	2,542	2,761	-7.9%	1,767	43.9%
COMEX E-Mini SILVER	QI	339	118	187.3%	560	-39.5%
COMEX COPPER	HG	162,803	250,220	-34.9%	182,253	-10.7%
COMEX MINY COPPER	QC	70	138	-49.3%	109	-35.8%
ALUMINUM	A38	0	104	-100.0%	0	-
ALUMINUM	AEP	13,183	11,577	13.9%	13,937	-5.4%
ALUMINUM	ALA	750	435	72.4%	870	-13.8%
ALUMINUM	ALI	316	0	-	359	-12.0%
ALUMINUM	AUP	32,844	27,784	18.2%	29,724	10.5%
ALUMINUM	CUP	50	0	-	150	-66.7%
ALUMINUM	EDP	15,947	11,205	42.3%	12,205	30.7%

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<b>Metals Futures</b>						
ALUMINUM	MJP	5,540	6,714	-17.5%	5,920	-6.4%
COPPER	HGS	11,871	12,996	-8.7%	10,766	10.3%
FERROUS PRODUCTS	BUS	5,469	4,225	29.4%	2,894	89.0%
GOLD	4GC	1	0	-	0	-
GOLD	SGC	183	0	-	101	81.2%
GOLD	SGU	159	0	-	114	39.5%
Gold Kilo	GCK	0	0	-	0	-
HOT ROLLED COIL STEEL FUTURES	EHR	525	0	-	50	950.0%
IRON ORE 62 CHINA PLATTS FUTURES	PIO	0	0	-	0	-
IRON ORE 62 CHINA TSI FUTURES	TIO	4,425	8,786	-49.6%	4,694	-5.7%
LNDN ZINC	ZNC	0	9	-100.0%	0	-
MICRO GOLD	MGC	22,459	12,528	79.3%	25,287	-11.2%
SILVER	SIL	2,817	1,674	68.3%	3,187	-11.6%
<b>Metals Options</b>						
ALUMINUM	ALO	150	0	-	150	0.0%
COMEX COPPER	HX	29,000	37,481	-22.6%	49,305	-41.2%
COMEX GOLD	OG	1,517,795	1,304,335	16.4%	1,576,120	-3.7%
COMEX SILVER	SO	133,572	225,257	-40.7%	159,573	-16.3%
COPPER	H1E	89	60	48.3%	0	-
COPPER	H2E	8	25	-68.0%	0	-
COPPER	H3E	0	0	-	0	-
COPPER	H4E	0	0	-	0	-
COPPER	H5E	0	0	-	0	-
GOLD	OG1	8,442	10,291	-18.0%	11,708	-27.9%
GOLD	OG2	5,583	3,915	42.6%	5,531	0.9%
GOLD	OG3	1,874	3,081	-39.2%	1,854	1.1%
GOLD	OG4	789	22	3,486.4%	288	174.0%
GOLD	OG5	0	0	-	0	-
HOT ROLLED COIL STEEL CALL OPTION	HRO	175	700	-75.0%	225	-22.2%
HOT ROLLED COIL STEEL PUT OPTION	HRO	100	0	-	150	-33.3%
IRON ORE 62 CHINA TSI CALL OPTION	ICT	1,290	1,230	4.9%	1,340	-3.7%
IRON ORE 62 CHINA TSI PUT OPTION	ICT	5,197	645	705.7%	4,990	4.1%
NYMEX PLATINUM	PO	7,440	6,427	15.8%	9,995	-25.6%
PALLADIUM	PAO	2,433	2,707	-10.1%	2,657	-8.4%
SILVER	SO1	519	504	3.0%	474	9.5%
SILVER	SO2	619	780	-20.6%	128	383.6%
SILVER	SO3	109	333	-67.3%	85	28.2%
SILVER	SO4	65	16	306.3%	0	-
SILVER	SO5	0	0	-	0	-
<b>TOTAL FUTURES GROUP</b>						
Ag Products Futures		0	0	-	2	-100.0%
Energy Futures		8,780,284	10,737,638	-18.2%	8,915,657	-1.5%
Metals Futures		992,192	1,099,656	-9.8%	1,015,487	-2.3%
<b>TOTAL FUTURES</b>		<b>9,772,476</b>	<b>11,837,294</b>	<b>-17.4%</b>	<b>9,931,146</b>	<b>-1.6%</b>



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<b>TOTAL OPTIONS GROUP</b>					
Energy Options	7,353,002	6,001,550	22.5%	7,180,382	2.4%
Metals Options	1,715,249	1,597,809	7.4%	1,824,573	-6.0%
<b>TOTAL OPTIONS</b>	<b>9,068,251</b>	<b>7,599,359</b>	<b>19.3%</b>	<b>9,004,955</b>	<b>0.7%</b>
<b>TOTAL COMBINED</b>					
Ag Products	0	0	-	2	-100.0%
Energy	16,133,286	16,739,188	-3.6%	16,096,039	0.2%
Metals	2,707,441	2,697,465	0.4%	2,840,060	-4.7%
<b>GRAND TOTAL</b>	<b>18,840,727</b>	<b>19,436,653</b>	<b>-3.1%</b>	<b>18,936,101</b>	<b>-0.5%</b>