



NYMEX/COMEX Exchange Open Interest Report - Monthly

Commodity	Open Interest APR 2019	Open Interest APR 2018	% CHG	Open Interest MAR 2019	% CHG	
Ag Products Futures						
COCOA TAS	CJ	0	1	-100.0%	0	-
COFFEE	KT	0	0	-	0	-
COTTON	TT	0	0	-	0	-
SUGAR 11	YO	0	58	-100.0%	0	-
Energy Futures						
CRUDE OIL PHY	CL	2,158,052	2,646,565	-18.5%	1,967,667	9.7%
CRUDE OIL	WS	286	572	-50.0%	2,414	-88.2%
MINY WTI CRUDE OIL	QM	3,597	4,499	-20.0%	3,351	7.3%
BRENT OIL LAST DAY	BZ	229,864	218,199	5.3%	206,647	11.2%
HEATING OIL PHY	HO	399,884	432,978	-7.6%	375,201	6.6%
HTG OIL	BH	163	241	-32.4%	128	27.3%
MINY HTG OIL	QH	1	1	0.0%	0	-
RBOB PHY	RB	421,435	457,201	-7.8%	411,923	2.3%
MINY RBOB GAS	QU	0	0	-	0	0.0%
NATURAL GAS	HP	80,535	81,599	-1.3%	83,457	-3.5%
LTD NAT GAS	HH	373,779	368,486	1.4%	378,825	-1.3%
MINY NATURAL GAS	QG	3,651	1,103	231.0%	1,996	82.9%
PJM MONTHLY	JM	360	1,190	-69.7%	400	-10.0%
NATURAL GAS PHY	NG	1,244,433	1,442,242	-13.7%	1,171,386	6.2%
RBOB GAS	RT	116	2,896	-96.0%	64	81.3%
3.5% FUEL OIL CID MED SWA	7D	46	305	-84.9%	50	-8.0%
3.5% FUEL OIL CIF BALMO S	8D	0	90	-100.0%	0	-
AEP-DAYTON HUB DAILY	VD	34	92	-63.0%	34	0.0%
AEP-DAYTON HUB MTHLY	VM	0	0	-	0	-
AEP-DAYTON HUB OFF-PEAK M	VP	0	0	-	0	-
ALGON CITY GATES NAT GAS	N7	0	0	-	0	-
ALGONQUIN CITYGATES BASIS	B4	0	0	-	0	-
ANR LOUISIANA BASIS SWAP	ND	0	0	-	0	-
ANR OKLAHOMA	NE	0	1,283	-100.0%	0	-
ARGUS LLS VS. WTI (ARG) T	E5	30,836	46,899	-34.3%	34,289	-10.1%
ARGUS PROPAN FAR EST INDE	7E	5,585	5,362	4.2%	5,355	4.3%
ARGUS PROPAN(SAUDI ARAMCO)	9N	2,236	2,056	8.8%	2,173	2.9%
AUSTRIALIAN COKE COAL	ACT	0	0	-	0	-
AUSTRIALIAN COKE COAL	ALW	36	264	-86.4%	40	-10.0%
BRENT BALMO SWAP	J9	365	0	-	223	63.7%
BRENT CALENDAR SWAP	CY	20,213	13,297	52.0%	20,338	-0.6%
BRENT CFD SWAP	6W	0	0	-	0	-
BRENT FINANCIAL FUTURES	BB	3,658	3,322	10.1%	158	2,215.2%
BRENT FINANCIAL FUTURES	MBC	60	0	-	60	0.0%
BRENT FINANCIAL FUTURES	MDB	0	72	-100.0%	0	-
BRENT OIL LAST DAY	BZL	0	0	0.0%	0	0.0%
BRENT OIL LAST DAY	BZS	0	0	0.0%	0	0.0%
CAISO SP15 EZGNHUB5 MW P	9X	0	0	-	0	-
CAISO SP15 EZGNHUB5 PEAK	9Z	0	0	-	0	-
CANADIAN LIGHT SWEET OIL	CIL	0	49	-100.0%	0	-
CENTERPOINT BASIS SWAP	PW	796	6,919	-88.5%	906	-12.1%
CHICAGO ETHANOL SWAP	CU	50,072	61,674	-18.8%	45,855	9.2%
CHICAGO ULSD (PLATTS) SWA	4C	0	0	-	0	-
CHICAGO ULSD PL VS HO SPR	5C	2,902	730	297.5%	2,915	-0.4%
CHICAGO UNL GAS PL VS RBO	3C	690	525	31.4%	590	16.9%



NYMEX/COMEX Exchange Open Interest Report - Monthly

Commodity		Open Interest APR 2019	Open Interest APR 2018	% CHG	Open Interest MAR 2019	% CHG
Energy Futures						
CIG BASIS	CI	4,482	17,778	-74.8%	5,034	-11.0%
CIG ROCKIES NG INDEX SWA	Z8	0	0	-	0	-
CINERGY HUB OFF-PEAK MONT	EJ	0	90	-100.0%	0	-
CINERGY HUB PEAK MONTH	EM	0	216	-100.0%	0	-
CIN HUB 5MW D AH O PK	K2	0	96,880	-100.0%	0	-
CIN HUB 5MW D AH PK	H5	1,055	7,276	-85.5%	1,385	-23.8%
CIN HUB 5MW REAL TIME O P	H4	111,704	370,904	-69.9%	120,904	-7.6%
CIN HUB 5MW REAL TIME PK	H3	13,069	31,209	-58.1%	14,499	-9.9%
COAL SWAP	ACM	0	160	-100.0%	20	-100.0%
COAL SWAP	SSI	0	0	-	0	-
COLUMB GULF MAINLINE NG B	5Z	1,009	2,662	-62.1%	699	44.3%
COLUMBIA GULF ONSHORE	GL	0	0	-	0	-
CONWAY NATURAL GASOLINE (OPIS) SWAP	8L	1,427	764	86.8%	1,544	-7.6%
CONWAY NORMAL BUTANE (OPIS) SWAP	8M	804	713	12.8%	624	28.8%
CONWAY PROPANE 5 DECIMALS SWAP	8K	19,994	22,097	-9.5%	18,841	6.1%
CRUDE OIL	LPS	21,025	16,300	29.0%	22,925	-8.3%
CRUDE OIL OUTRIGHTS	42	492	367	34.1%	56	778.6%
CRUDE OIL OUTRIGHTS	CC5	990	0	-	720	37.5%
CRUDE OIL OUTRIGHTS	CPD	0	500	-100.0%	0	-
CRUDE OIL OUTRIGHTS	CSN	0	0	-	0	-
CRUDE OIL OUTRIGHTS	CSW	2,725	0	-	2,930	-7.0%
CRUDE OIL OUTRIGHTS	DBL	0	14	-100.0%	0	-
CRUDE OIL OUTRIGHTS	FE	0	0	-	0	-
CRUDE OIL OUTRIGHTS	GSW	230	0	-	253	-9.1%
CRUDE OIL OUTRIGHTS	HTT	137,584	102,258	34.5%	136,162	1.0%
CRUDE OIL OUTRIGHTS	LSW	1,813	1,360	33.3%	1,300	39.5%
CRUDE OIL OUTRIGHTS	SSW	0	0	-	0	-
CRUDE OIL OUTRIGHTS	UMD	0	1,200	-100.0%	0	-
CRUDE OIL OUTRIGHTS	UNS	0	1,600	-100.0%	0	-
CRUDE OIL OUTRIGHTS	WCC	0	1,120	-100.0%	0	-
CRUDE OIL OUTRIGHTS	WCW	17,160	23,810	-27.9%	18,385	-6.7%
CRUDE OIL PHY	CLL	0	0	0.0%	0	0.0%
CRUDE OIL PHY	HCL	1,437	0	-	3,170	-54.7%
CRUDE OIL SPRDS	38	0	945	-100.0%	0	-
CRUDE OIL SPRDS	WTT	119,790	169,821	-29.5%	127,022	-5.7%
CRUDE OIL TRADE AT MARKER SINGAPORE	CLS	0	0	0.0%	0	0.0%
DAILY PJM	AOR	3,264	2,976	9.7%	4,896	-33.3%
DAILY PJM	IDO	15,000	15,360	-2.3%	31,688	-52.7%
DAILY PJM	NOC	1,824	11,904	-84.7%	2,736	-33.3%
DAILY PJM	PAP	270	486	-44.4%	270	0.0%
DAILY PJM	PEO	2,400	10,080	-76.2%	2,520	-4.8%
DAILY PJM	PNO	16,320	65,192	-75.0%	17,136	-4.8%
DAILY PJM	PNP	1,053	2,943	-64.2%	1,053	0.0%
DAILY PJM	PWO	15,360	26,400	-41.8%	16,128	-4.8%
DAILY PJM	PWP	864	1,485	-41.8%	864	0.0%
DAILY PJM	WOR	11,328	17,184	-34.1%	16,992	-33.3%
DAILY PJM	ZAO	2,104	6,720	-68.7%	7,560	-72.2%
DAILY PJM	ZGO	26,760	27,360	-2.2%	33,592	-20.3%
DAILY PJM	ZJO	14,400	12,000	20.0%	15,120	-4.8%
DATED BRENT (PLATTS) DAILY SWAP	7G	0	0	-	0	-
DATED TO FRONTLINE BRENT	FY	2,180	6,460	-66.3%	2,225	-2.0%
DIESEL 10P BRG FOB RDM VS	7X	0	0	-	0	-
DIESEL 10PPM BARGES FOB B	U7	0	0	-	0	-

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The open interest values are based on preliminary open interest values only.



NYMEX/COMEX Exchange Open Interest Report - Monthly

Commodity	Open Interest APR 2019	Open Interest APR 2018	% CHG	Open Interest MAR 2019	% CHG
Energy Futures					
DOMINION TRAN INC - APP I	0	2,200	-100.0%	0	-
DOMINION TRANSMISSION INC	8,042	22,641	-64.5%	8,642	-6.9%
DUBAI CRUDE OIL BALMO	0	0	-	0	-
DUBAI CRUDE OIL CALENDAR	4,307	2,469	74.4%	17,433	-75.3%
DUTCH TTF NATURAL GAS CAL MONTH FUT	2,076	180	1,053.3%	1,668	24.5%
DY EURO 3.5% FUEL OI RDA	0	0	-	0	-
EASTERN RAIL DELIVERY CSX	0	225	-100.0%	0	-
EAST/WEST FUEL OIL SPREAD	39	137	-71.5%	40	-2.5%
EIA FLAT TAX ONHWAY DIESE	1,468	1,872	-21.6%	1,655	-11.3%
ELEC ERCOT DLY OFF PK	0	0	-	0	-
ELEC ERCOT DLY PEAK	0	180	-100.0%	0	-
ELEC ERCOT DLY PEAK	0	180	-100.0%	0	-
ELEC ERCOT OFF PEAK	0	19,600	-100.0%	0	-
ELEC FINSETTLED	898	1,406	-36.1%	940	-4.5%
ELEC FINSETTLED	0	0	-	0	-
ELEC MISO PEAK	0	2,865	-100.0%	0	-
ELEC MISO PEAK	0	0	-	0	-
ELEC NYISO OFF-PEAK	0	53,175	-100.0%	0	-
ELEC NYISO OFF-PEAK	0	0	-	0	-
ELECTRICITY ERCOT PEAK	0	0	-	0	-
ELECTRICITY OFF PEAK	16,402	25,794	-36.4%	17,216	-4.7%
ELECTRICITY OFF PEAK	55,380	0	-	55,380	0.0%
ELECTRICITY OFF PEAK	0	0	-	0	-
ELEC WEST POWER OFF-PEAK	0	0	-	0	-
ELEC WEST POWER PEAK	0	0	-	0	-
ERCOT DAILY 5MW PEAK	0	0	-	0	-
ERCOT HOUSTON Z MCPE 5MW PEAK SWAP	0	2,200	-100.0%	0	-
ERCOT NORTH ZMCPE 5MW OFFPEAK	0	0	-	0	-
ERCOT NORTH ZMCPE 5MW OFFPEAK SWAP	0	130,480	-100.0%	0	-
ERCOT NORTH ZMCPE 5MW PEAK	0	6,960	-100.0%	0	-
ETHANOL	30	0	-	0	0.0%
ETHANOL	0	0	-	0	-
ETHANOL SWAP	470	10	4,600.0%	410	14.6%
ETHANOL T2 FOB ROTT INCL DUTY SWAP	4,646	5,111	-9.1%	4,904	-5.3%
EURO 1% FUEL OIL NEW BALM	0	0	-	0	-
EURO 3.5% FUEL OIL RDAM B	38	657	-94.2%	105	-63.8%
EURO 3.5% FUEL OIL SPREAD	85	340	-75.0%	45	88.9%
EURO-DENOMINATED PETRO PROD	0	0	-	0	-
EURO GASOIL 10PPM VS ICE	0	385	-100.0%	20	-100.0%
EUROPE 1% FUEL OIL NWE CA	242	261	-7.3%	244	-0.8%
EUROPE 1% FUEL OIL RDAM C	3	0	-	3	0.0%
EUROPE 3.5% FUEL OIL MED	125	435	-71.3%	147	-15.0%
EUROPE 3.5% FUEL OIL RDAM	6,761	13,926	-51.5%	7,362	-8.2%
EUROPEAN GASOIL (ICE)	100	193	-48.2%	111	-9.9%
EUROPEAN NAPHTHA BALMO	128	203	-36.9%	268	-52.2%
EUROPEAN NAPHTHA CRACK SPR	12,534	14,205	-11.8%	12,982	-3.5%
EUROPE DATED BRENT SWAP	690	300	130.0%	640	7.8%
EUROPE JET KERO NWE CALSW	26	36	-27.8%	22	18.2%
EUROPE NAPHTHA CALSWAP	2,715	2,964	-8.4%	2,894	-6.2%
EURO PROPANE CIF ARA SWA	2,088	1,721	21.3%	2,124	-1.7%
FLORIDA GAS ZONE3 BASIS S	0	0	-	0	-
FREIGHT MARKETS	869	741	17.3%	947	-8.2%
FREIGHT MARKETS	390	45	766.7%	345	13.0%

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The open interest values are based on preliminary open interest values only.

NYMEX/COMEX Exchange Open Interest Report - Monthly

Commodity		Open Interest APR 2019	Open Interest APR 2018	% CHG	Open Interest MAR 2019	% CHG
Energy Futures						
FREIGHT MARKETS	FRS	0	0	-	0	-
FREIGHT MARKETS	T2D	2,595	891	191.2%	2,750	-5.6%
FREIGHT MARKETS	TC6	0	180	-100.0%	0	-
FREIGHT MARKETS	TD3	70	0	-	70	0.0%
FREIGHT MARKETS	TD8	30	0	-	50	-40.0%
FUEL OIL CRACK VS ICE	FO	7,917	16,912	-53.2%	7,384	7.2%
FUEL OIL NWE CRACK VS ICE	FI	171	171	0.0%	171	0.0%
FUEL OIL (PLATS) CAR CM	1W	0	126	-100.0%	0	-
FUEL OIL (PLATS) CAR CN	1X	0	72	-100.0%	0	-
FUELOIL SWAP:CARGOES VS.B	FS	995	838	18.7%	1,023	-2.7%
GAS EURO-BOB OXY NWE BARGES	7H	5,960	6,543	-8.9%	6,019	-1.0%
GAS EURO-BOB OXY NWE BARGES CRK	7K	27,681	37,611	-26.4%	29,201	-5.2%
GASOIL 0.1 CIF MED SWAP	Z4	0	0	-	0	-
GASOIL 0.1CIF MED VS ICE	Z5	0	10	-100.0%	0	-
GASOIL 0.1 CIF NWE VS ISE	TU	5	0	-	0	-
GASOIL 0.1 CIF VS ICE GAS	8W	0	0	-	0	-
GASOIL 0.1 RDAM BRGS VS I	WQ	15	168	-91.1%	15	0.0%
GASOIL 0.1 ROTTERDAM BARG	VL	67	220	-69.5%	21	219.0%
GASOIL 10P CRG CIF NW VS	3V	0	0	-	0	-
GASOIL 10PPM VS ICE SWAP	TP	24	426	-94.4%	27	-11.1%
GASOIL BULLET SWAP	BG	0	0	-	0	-
GASOIL CALENDAR SWAP	GX	48	12	300.0%	48	0.0%
GASOIL CRACK SPREAD CALEN	GZ	12,390	25,326	-51.1%	13,109	-5.5%
GASOIL MINI CALENDAR SWAP	QA	752	628	19.7%	927	-18.9%
GERMAN POWER BASELOAD CAL MONTH FUT	DEB	724	63	1,049.2%	443	63.4%
GROUP THREE ULSD (PLATTS)	A7	45	112	-59.8%	45	0.0%
GROUP THREE UNLEAD GAS (P	A9	0	0	-	25	-100.0%
GRP THREE ULSD(PLT)VS HEA	A6	6,998	10,755	-34.9%	7,141	-2.0%
GRP THREE UNL GS (PLT) VS	A8	4,555	4,842	-5.9%	4,344	4.9%
GULF COAST 3% FUEL OIL BA	VZ	665	947	-29.8%	1,099	-39.5%
GULF COAST JET FUEL CLNDR	GE	683	891	-23.3%	793	-13.9%
GULF COAST JET VS NYM 2 H	ME	35,208	36,761	-4.2%	31,722	11.0%
GULF COAST NO.6 FUEL OIL	MF	26,807	55,783	-51.9%	25,746	4.1%
GULF COAST NO.6 FUEL OIL	MG	1,108	8,616	-87.1%	1,468	-24.5%
GULF COAST ULSD CALENDAR	LY	1,603	1,183	35.5%	1,816	-11.7%
GULF COAST ULSD CRACK SPR	GY	510	1,045	-51.2%	535	-4.7%
HEATING OIL BALMO CLNDR S	1G	35	0	-	0	-
HEATING OIL PHY	HOL	0	0	0.0%	0	0.0%
HENRY HUB BASIS SWAP	HB	12,027	3,568	237.1%	10,058	19.6%
HENRY HUB FINANCIAL LAST	NBP	0	22	-100.0%	0	-
HENRY HUB FINANCIAL LAST	TTE	0	6	-100.0%	0	-
HENRY HUB INDEX SWAP FUTU	IN	13,437	3,312	305.7%	10,058	33.6%
HENRY HUB SWAP	NN	978,248	1,110,290	-11.9%	1,001,083	-2.3%
HOUSTON SHIP CHANNEL BASI	NH	10,020	15,551	-35.6%	9,794	2.3%
HUSTN SHIP CHNL PIPE SWP	XJ	0	0	-	0	-
ICE BRENT DUBAI SWAP	DB	34,642	43,956	-21.2%	33,558	3.2%
ICE GASOIL BALMO SWAP	U9	0	0	-	0	-
IN DELIVERY MONTH EUA	6T	0	3,698	-100.0%	0	-
INDIANA MISO	FAD	0	17,080	-100.0%	0	-
INDIANA MISO	FTD	2,400	6,720	-64.3%	3,600	-33.3%
INDIANA MISO	FTM	0	0	-	0	-
INDIANA MISO	PDD	426	846	-49.6%	634	-32.8%
INDIANA MISO	PTD	455	498	-8.6%	455	0.0%



NYMEX/COMEX Exchange Open Interest Report - Monthly

Commodity		Open Interest APR 2019	Open Interest APR 2018	% CHG	Open Interest MAR 2019	% CHG
Energy Futures						
INDONESIAN COAL	MCC	0	0	-	0	-
INDONESIAN COAL ICI4	ICI	820	150	446.7%	822	-0.2%
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	121	1,060	-88.6%	121	0.0%
JAPAN C&F NAPHTHA SWAP	JA	1,700	2,329	-27.0%	1,576	7.9%
JAPAN NAPHTHA BALMO SWAP	E6	5	31	-83.9%	92	-94.6%
JET AV FUEL (P) CAR FM ICE GAS SWAP	1V	0	18	-100.0%	0	-
JET CIF NWE VS ICE	JC	327	575	-43.1%	346	-5.5%
JET FUEL BRG FOB RDM VS I	9Q	0	0	-	0	-
JET FUEL CRG CIF NEW VS I	6X	0	0	-	0	-
JET FUEL UP-DOWN BALMO CL	1M	4,680	3,685	27.0%	2,690	74.0%
JKM LNG Futures	JKM	5,056	1,605	215.0%	5,226	-3.3%
LA CARB DIESEL (OPIS)	LX	0	0	-	0	-
LA CARB DIESEL (OPIS) SWA	KL	128	375	-65.9%	158	-19.0%
LA CARBOB GASOLINE(OPIS)S	JL	300	1,450	-79.3%	900	-66.7%
LA JET FUEL VS NYM NO 2 H	MQ	0	0	-	0	-
LA JET (OPIS) SWAP	JS	1,791	2,740	-34.6%	1,957	-8.5%
LLS (ARGUS) CALENDAR SWAP	XA	439	0	-	459	-4.4%
LLS (ARGUS) VS WTI SWAP	WJ	23,249	26,043	-10.7%	24,728	-6.0%
LOS ANGELES CARB GASOLINE	MH	0	0	-	0	-
MARS (ARGUS) VS WTI SWAP	YX	5,460	10,500	-48.0%	5,790	-5.7%
MARS (ARGUS) VS WTI TRD M	YV	27,792	28,785	-3.4%	26,585	4.5%
MARS BLEND CRUDE OIL	MB	0	200	-100.0%	0	-
MCCLOSKEY ARA ARGS COAL	MTF	20,361	42,777	-52.4%	22,020	-7.5%
MCCLOSKEY RCH BAY COAL	MFF	3,218	4,947	-35.0%	3,552	-9.4%
MGF FUT	MGF	0	50	-100.0%	0	-
MGN1 SWAP FUT	MGN	300	446	-32.7%	335	-10.4%
MICHIGAN BASIS	NF	1,648	4,025	-59.1%	1,678	-1.8%
MICHIGAN MISO	HMO	0	24,808	-100.0%	0	-
MICHIGAN MISO	HMW	0	1,337	-100.0%	0	-
MINI GAS EUROBOB OXY NWE ARGS BALMO	MEB	67	502	-86.7%	44	52.3%
MINI RBOB V. EBOBARG NWE BRGS BALMO	MXR	1,144	862	32.7%	130	780.0%
MINI RBOB V. EBOB(ARGUS) NWE BRGS	MXB	3,729	2,623	42.2%	3,078	21.2%
MJC FUT	MJC	260	615	-57.7%	290	-10.3%
MNC FUT	MNC	5,936	4,962	19.6%	6,710	-11.5%
MONT BELVIEU ETHANE 5 DECIMAL	C0	38,859	46,565	-16.5%	38,531	0.9%
MONT BELVIEU ETHANE OPIS BALMO	8C	149	90	65.6%	50	198.0%
MONT BELVIEU LDH PROPANE 5 DECIMAL	B0	144,006	119,272	20.7%	128,913	11.7%
MONT BELVIEU LDH PROPANE OPIS BALMO	8O	879	1,933	-54.5%	2,020	-56.5%
MONT BELVIEU NATURAL GASOLINE 5 DEC	7Q	17,011	20,066	-15.2%	16,733	1.7%
MONT BELVIEU NATURAL GASOLINE BALMO	R0	300	203	47.8%	715	-58.0%
MONT BELVIEU NORMAL BUTANE 5 DECIMAL	D0	43,180	35,761	20.7%	41,164	4.9%
MONT BELVIEU NORMAL BUTANE BALMO	8J	1,197	775	54.5%	1,400	-14.5%
NAT GAS BASIS SWAP	TZ6	1,715	4,515	-62.0%	1,925	-10.9%
NATURAL GAS	XIC	0	0	-	0	-
NATURAL GAS FIXED PRICE SWAP FUTURES	DSF	0	0	-	0	-
NATURAL GAS INDEX	TZI	0	0	-	0	-
NATURAL GAS PEN SWP	NP	128,032	150,664	-15.0%	130,899	-2.2%
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	375,753	479,685	-21.7%	384,769	-2.3%
NEPOOL INTR HUB 5MW D AH	U6	21,279	31,743	-33.0%	22,247	-4.4%

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The open interest values are based on preliminary open interest values only.



NYMEX/COMEX Exchange Open Interest Report - Monthly

Commodity		Open Interest APR 2019	Open Interest APR 2018	% CHG	Open Interest MAR 2019	% CHG
Energy Futures						
NEPOOL NE MASS 5MW D AH O	P8	10,587	14,040	-24.6%	11,808	-10.3%
NEPOOL NE MASS 5MW D AH P	P7	576	765	-24.7%	639	-9.9%
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	1,452	1,947	-25.4%	1,507	-3.6%
NEW YORK ETHANOL SWAP	EZ	1,005	2,985	-66.3%	1,112	-9.6%
NEW YORK HUB ZONE G PEAK	GN	1,056	2,376	-55.6%	1,221	-13.5%
NEW YORK HUB ZONE J PEAK	JN	1,155	660	75.0%	1,155	0.0%
NGPL MID-CONTINENT	NL	10,840	19,813	-45.3%	11,680	-7.2%
NGPL TEX/OK	PD	17,877	29,320	-39.0%	19,891	-10.1%
N ILLINOIS HUB DAILY	UD	68	258	-73.6%	68	0.0%
N ILLINOIS HUB MTHLY	UM	0	0	-	0	-
NO 2 UP-DOWN SPREAD CALEN	UT	375	125	200.0%	475	-21.1%
NORTHERN NATURAL GAS DEMAR	PE	368	1,228	-70.0%	428	-14.0%
NORTHERN NATURAL GAS VENTU	PF	1,104	1,456	-24.2%	1,284	-14.0%
NORTHERN ILLINOIS OFF-PEA	UO	0	0	-	0	-
NORTHWEST ROCKIES BASIS S	NR	11,389	31,585	-63.9%	12,709	-10.4%
N ROCKIES PIPE SWAP	XR	0	61	-100.0%	0	-
NY1% VS GC SPREAD SWAP	VR	1,710	3,669	-53.4%	2,075	-17.6%
NY 2.2% FUEL OIL (PLATTS	Y3	0	0	-	0	-
NY 3.0% FUEL OIL (PLATTS	H1	300	625	-52.0%	300	0.0%
NY HARBOR 1% FUEL OIL BAL	VK	0	0	-	0	-
NY HARBOR HEAT OIL SWP	MP	8,384	7,356	14.0%	8,761	-4.3%
NY HARBOR LOW SULPUR GAS 1000MBBL	NLS	915	740	23.6%	915	0.0%
NY HARBOR RESIDUAL FUEL 1	MM	1,015	1,785	-43.1%	1,164	-12.8%
NY HARBOR RESIDUAL FUEL C	ML	0	0	-	0	-
NYH NO 2 CRACK SPREAD CAL	HK	3,441	5,247	-34.4%	3,278	5.0%
NYISO A	KA	0	0	-	0	-
NYISO A OFF-PEAK	KB	0	0	-	0	-
NYISO CAPACITY	LHV	756	378	100.0%	796	-5.0%
NYISO CAPACITY	NNC	174	744	-76.6%	215	-19.1%
NYISO CAPACITY	NRS	262	1,678	-84.4%	289	-9.3%
NYISO G	KG	0	0	-	0	-
NYISO G OFF-PEAK	KH	0	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	14,882	48,126	-69.1%	15,666	-5.0%
NYISO ZONE A 5MW D AH PK	K3	1,776	5,724	-69.0%	2,040	-12.9%
NYISO ZONE C 5MW D AH O P	A3	0	0	-	0	-
NYISO ZONE C 5MW D AH PK	Q5	0	0	-	0	-
NYISO ZONE G 5MW D AH O P	D2	439,962	599,214	-26.6%	452,578	-2.8%
NYISO ZONE G 5MW D AH PK	T3	17,008	21,672	-21.5%	17,712	-4.0%
NYISO ZONE J 5MW D AH O P	D4	97,086	223,641	-56.6%	108,846	-10.8%
NYISO ZONE J 5MW D AH PK	D3	8,306	16,291	-49.0%	9,076	-8.5%
NYMEX ALUMINUM FUTURES	AN	539	594	-9.3%	825	-34.7%
NYMEX ULSD VS NYMEX HO	UY	700	0	-	1,450	-51.7%
NY ULSD (ARGUS) VS HEATING OIL	7Y	969	218	344.5%	271	257.6%
ONEOK OKLAHOMA NG BASIS	8X	0	490	-100.0%	0	-
ONTARIO POWER SWAPS	OFD	0	0	-	0	-
ONTARIO POWER SWAPS	OFM	0	0	-	0	-
ONTARIO POWER SWAPS	OPD	0	0	-	0	-



NYMEX/COMEX Exchange Open Interest Report - Monthly

Commodity	Open Interest APR 2019	Open Interest APR 2018	% CHG	Open Interest MAR 2019	% CHG
Energy Futures					
ONTARIO POWER SWAPS	0	0	-	0	-
PANHANDLE BASIS SWAP FUTU	3,763	10,654	-64.7%	4,123	-8.7%
PANHANDLE PIPE SWAP	0	1,720	-100.0%	0	-
PERMIAN BASIS SWAP	4,152	7,876	-47.3%	4,272	-2.8%
PETROCHEMICALS	171	215	-20.5%	57	200.0%
PETROCHEMICALS	61	227	-73.1%	177	-65.5%
PETROCHEMICALS	28	0	-	20	40.0%
PETROCHEMICALS	5	23	-78.3%	0	-
PETROCHEMICALS	4,958	5,949	-16.7%	4,622	7.3%
PETROCHEMICALS	850	926	-8.2%	876	-3.0%
PETROCHEMICALS	0	0	-	0	-
PETROCHEMICALS	50	0	-	0	-
PETROCHEMICALS	0	0	-	0	-
PETROCHEMICALS	568	340	67.1%	577	-1.6%
PETROCHEMICALS	235	100	135.0%	260	-9.6%
PETROCHEMICALS	315	470	-33.0%	335	-6.0%
PETROCHEMICALS	2,221	4,789	-53.6%	1,736	27.9%
PETROCHEMICALS	265	155	71.0%	315	-15.9%
PETRO CRCKS & SPRDS ASIA	0	0	-	0	-
PETRO CRCKS & SPRDS ASIA	0	0	-	0	-
PETRO CRCKS & SPRDS ASIA	690	100	590.0%	690	0.0%
PETRO CRCKS & SPRDS ASIA	220	1,161	-81.1%	128	71.9%
PETRO CRCKS & SPRDS NA	9,145	1,090	739.0%	7,645	19.6%
PETRO CRCKS & SPRDS NA	4,652	4,624	0.6%	4,468	4.1%
PETRO CRCKS & SPRDS NA	500	3,400	-85.3%	920	-45.7%
PETRO CRCKS & SPRDS NA	220	670	-67.2%	900	-75.6%
PETRO CRCKS & SPRDS NA	165	550	-70.0%	190	-13.2%
PETRO CRCKS & SPRDS NA	2,363	3,044	-22.4%	1,647	43.5%
PETRO CRCKS & SPRDS NA	0	121	-100.0%	0	-
PETRO CRCKS & SPRDS NA	15,313	35,819	-57.2%	16,167	-5.3%
PETRO CRCKS & SPRDS NA	0	0	-	0	-
PETRO CRCKS & SPRDS NA	7,560	8,244	-8.3%	4,334	74.4%
PETRO CRCKS & SPRDS NA	0	0	-	0	-
PETRO CRCKS & SPRDS NA	0	0	-	0	-
PETRO CRCKS & SPRDS NA	0	0	-	0	-
PETRO CRCKS & SPRDS NA	0	0	-	0	-
PETRO CRCKS & SPRDS NA	0	0	-	0	-
PETRO CRCKS & SPRDS NA	18,624	14,573	27.8%	12,097	54.0%
PETRO CRCKS & SPRDS NA	16,533	24,324	-32.0%	16,781	-1.5%
PETRO CRCKS & SPRDS NA	167	168	-0.6%	296	-43.6%
PETRO CRK&SPRD EURO	3,565	4,794	-25.6%	3,484	2.3%
PETRO CRK&SPRD EURO	0	0	-	0	-
PETRO CRK&SPRD EURO	75	585	-87.2%	0	-
PETRO CRK&SPRD EURO	60	0	-	60	0.0%
PETRO CRK&SPRD EURO	3,043	4,635	-34.3%	3,092	-1.6%
PETRO CRK&SPRD EURO	0	0	-	0	-
PETRO CRK&SPRD EURO	0	0	-	0	-
PETRO CRK&SPRD EURO	35	75	-53.3%	35	0.0%
PETRO CRK&SPRD EURO	1,301	1,407	-7.5%	1,311	-0.8%
PETRO CRK&SPRD EURO	2,925	6,744	-56.6%	3,120	-6.2%
PETRO CRK&SPRD EURO	60	0	-	60	0.0%
PETRO CRK&SPRD EURO	30	30	0.0%	30	0.0%
PETRO CRK&SPRD EURO	0	200	-100.0%	0	-

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The open interest values are based on preliminary open interest values only.



NYMEX/COMEX Exchange Open Interest Report - Monthly

Commodity	Open Interest APR 2019	Open Interest APR 2018	% CHG	Open Interest MAR 2019	% CHG	
Energy Futures						
PETRO CRK&SPRD EURO	GOC	21	69	-69.6%	22	-4.5%
PETRO CRK&SPRD EURO	MGB	90	80	12.5%	60	50.0%
PETRO CRK&SPRD EURO	MUD	10	182	-94.5%	10	0.0%
PETRO CRK&SPRD EURO	NBB	21	60	-65.0%	5	320.0%
PETRO CRK&SPRD EURO	NOB	2,102	2,012	4.5%	2,580	-18.5%
PETRO CRK&SPRD EURO	SFB	21	30	-30.0%	0	-
PETROLEUM PRODUCTS	1NM	123	0	-	70	75.7%
PETROLEUM PRODUCTS	EWB	0	0	-	0	-
PETROLEUM PRODUCTS	EWG	4,588	12,883	-64.4%	5,292	-13.3%
PETROLEUM PRODUCTS	MBS	0	0	-	0	-
PETROLEUM PRODUCTS	MGS	0	0	-	0	-
PETROLEUM PRODUCTS	MME	0	0	-	0	-
PETROLEUM PRODUCTS	MPE	0	0	-	0	-
PETROLEUM PRODUCTS	VU	0	603	-100.0%	0	-
PETROLEUM PRODUCTS ASIA	E6M	0	30	-100.0%	10	-100.0%
PETROLEUM PRODUCTS ASIA	MJN	1,914	3,174	-39.7%	2,026	-5.5%
PETROLEUM PRODUCTS ASIA	MSB	0	0	-	0	-
PETRO OUTFRIGHT EURO	0B	10	20	-50.0%	0	-
PETRO OUTFRIGHT EURO	0C	10	0	-	0	-
PETRO OUTFRIGHT EURO	0D	3,968	4,792	-17.2%	3,526	12.5%
PETRO OUTFRIGHT EURO	0E	20	109	-81.7%	0	-
PETRO OUTFRIGHT EURO	0F	1,009	1,017	-0.8%	882	14.4%
PETRO OUTFRIGHT EURO	1T	26	36	-27.8%	22	18.2%
PETRO OUTFRIGHT EURO	33	0	0	-	0	-
PETRO OUTFRIGHT EURO	5L	10	46	-78.3%	71	-85.9%
PETRO OUTFRIGHT EURO	63	0	70	-100.0%	0	-
PETRO OUTFRIGHT EURO	6L	0	0	-	0	-
PETRO OUTFRIGHT EURO	7I	42	315	-86.7%	175	-76.0%
PETRO OUTFRIGHT EURO	7R	114	212	-46.2%	108	5.6%
PETRO OUTFRIGHT EURO	88	0	45	-100.0%	0	-
PETRO OUTFRIGHT EURO	CBB	0	0	-	0	-
PETRO OUTFRIGHT EURO	CGB	0	0	-	0	-
PETRO OUTFRIGHT EURO	CPB	62	297	-79.1%	196	-68.4%
PETRO OUTFRIGHT EURO	EFF	5	93	-94.6%	20	-75.0%
PETRO OUTFRIGHT EURO	EFM	0	0	-	22	-100.0%
PETRO OUTFRIGHT EURO	ENS	55	190	-71.1%	20	175.0%
PETRO OUTFRIGHT EURO	ESB	0	0	-	0	-
PETRO OUTFRIGHT EURO	EWN	1,001	1,273	-21.4%	1,273	-21.4%
PETRO OUTFRIGHT EURO	FBD	0	0	-	0	-
PETRO OUTFRIGHT EURO	FLB	0	0	-	0	-
PETRO OUTFRIGHT EURO	GES	0	0	-	0	-
PETRO OUTFRIGHT EURO	MBB	0	25	-100.0%	0	-
PETRO OUTFRIGHT EURO	MBN	2,328	4,268	-45.5%	2,164	7.6%
PETRO OUTFRIGHT EURO	MEF	1,317	0	-	1,177	11.9%
PETRO OUTFRIGHT EURO	R53	12	0	-	12	0.0%
PETRO OUTFRIGHT EURO	R5M	4	0	-	0	-
PETRO OUTFRIGHT EURO	R5O	115	0	-	30	283.3%
PETRO OUTFRIGHT EURO	S5M	37	0	-	37	0.0%
PETRO OUTFRIGHT EURO	SMU	0	228	-100.0%	125	-100.0%
PETRO OUTFRIGHT EURO	T0	9	75	-88.0%	9	0.0%
PETRO OUTFRIGHT EURO	T2B	0	0	-	0	-
PETRO OUTFRIGHT EURO	ULB	0	0	-	0	-
PETRO OUTFRIGHT EURO	V0	0	980	-100.0%	0	-

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The open interest values are based on preliminary open interest values only.



NYMEX/COMEX Exchange Open Interest Report - Monthly

Commodity	Open Interest APR 2019	Open Interest APR 2018	% CHG	Open Interest MAR 2019	% CHG	
Energy Futures						
PETRO OUTRIGHT EURO	X0	0	0	-	0	-
PETRO OUTRIGHT NA	FCB	132	50	164.0%	0	-
PETRO OUTRIGHT NA	FOM	0	0	-	0	-
PETRO OUTRIGHT NA	JE	21	285	-92.6%	28	-25.0%
PETRO OUTRIGHT NA	JET	2,625	1,800	45.8%	2,675	-1.9%
PETRO OUTRIGHT NA	JTB	550	660	-16.7%	800	-31.3%
PETRO OUTRIGHT NA	MBL	0	10	-100.0%	5	-100.0%
PETRO OUTRIGHT NA	MEN	185	397	-53.4%	292	-36.6%
PETRO OUTRIGHT NA	MEO	3,542	4,162	-14.9%	3,511	0.9%
PETRO OUTRIGHT NA	MFD	0	20	-100.0%	0	-
PETRO OUTRIGHT NA	MMF	170	85	100.0%	93	82.8%
PETRO OUTRIGHT NA	NYT	0	0	-	0	-
PETRO OUTRIGHT NA	XER	0	0	-	0	-
PJM AD HUB 5MW REAL TIME	V3	176,246	295,074	-40.3%	188,758	-6.6%
PJM AD HUB 5MW REAL TIME	Z9	16,469	19,291	-14.6%	16,843	-2.2%
PJM AECO DA OFF-PEAK	X1	0	0	-	0	-
PJM AECO DA PEAK	Y1	0	0	-	0	-
PJM APS ZONE DA OFF-PEAK	W4	0	0	-	0	-
PJM APS ZONE DA PEAK	S4	0	0	-	0	-
PJM ATSI ELEC	MOD	0	7,760	-100.0%	0	-
PJM ATSI ELEC	MPD	0	430	-100.0%	0	-
PJM BGE DA OFF-PEAK	R3	0	10,970	-100.0%	0	-
PJM BGE DA PEAK	E3	0	597	-100.0%	0	-
PJM COMED 5MW D AH O PK	D9	0	17,725	-100.0%	0	-
PJM COMED 5MW D AH PK	D8	0	955	-100.0%	0	-
PJM DAILY	JD	904	878	3.0%	870	3.9%
PJM DAYTON DA OFF-PEAK	R7	60,565	92,272	-34.4%	62,525	-3.1%
PJM DAYTON DA PEAK	D7	4,050	8,820	-54.1%	4,270	-5.2%
PJM JCPL DA OFF-PEAK	F2	0	0	-	0	-
PJM JCPL DA PEAK	J2	0	0	-	0	-
PJM NI HUB 5MW REAL TIME	B3	7,040	25,940	-72.9%	7,788	-9.6%
PJM NI HUB 5MW REAL TIME	B6	60,059	504,654	-88.1%	67,051	-10.4%
PJM NILL DA OFF-PEAK	L3	94,146	288,870	-67.4%	107,474	-12.4%
PJM NILL DA PEAK	N3	5,772	18,108	-68.1%	6,630	-12.9%
PJM OFF-PEAK LMP SWAP FUT	JP	0	370	-100.0%	0	-
PJM PECO ZONE5MW PEAK CAL MO DAY AH	4N	2,960	0	-	2,960	0.0%
PJM PPL DA OFF-PEAK	F5	0	0	-	0	-
PJM PPL DA PEAK	L5	0	0	-	0	-
PJM PSEG DA OFF-PEAK	W6	76,825	38,920	97.4%	80,895	-5.0%
PJM PSEG DA PEAK	L6	3,920	860	355.8%	4,025	-2.6%
PJM WESTH DA OFF-PEAK	E4	136,972	328,267	-58.3%	149,516	-8.4%
PJM WESTHDA PEAK	J4	7,370	17,750	-58.5%	8,074	-8.7%
PJM WESTH RT OFF-PEAK	N9	736,490	1,616,766	-54.4%	779,914	-5.6%
PJM WESTH RT PEAK	L1	109,932	114,190	-3.7%	118,792	-7.5%
PLASTICS	PGP	3,461	796	334.8%	3,635	-4.8%
PREMIUM UNLD 10P FOB MED	3G	426	673	-36.7%	534	-20.2%
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	15	0	-	30	-50.0%
PROPANE NON-LDH MB (OPIS) BALMO SWP	1S	937	487	92.4%	1,069	-12.3%
PROPANE NON-LDH MT. BEL (OPIS) SWP	1R	66,288	43,818	51.3%	64,203	3.2%
RBOB CALENDAR SWAP	RL	15,768	12,264	28.6%	12,415	27.0%
RBOB CRACK SPREAD	RM	4,977	5,544	-10.2%	3,915	27.1%

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The open interest values are based on preliminary open interest values only.

NYMEX/COMEX Exchange Open Interest Report - Monthly

Commodity		Open Interest APR 2019	Open Interest APR 2018	% CHG	Open Interest MAR 2019	% CHG
Energy Futures						
RBOB CRACK SPREAD BALMO S	1E	0	0	-	0	-
RBOB GASOLINE BALMO CLNDR	1D	1,598	3,709	-56.9%	511	212.7%
RBOB PHY	RBL	0	0	0.0%	0	0.0%
RBOB SPREAD (PLATTS) SWAP	RI	0	0	-	0	-
RBOB VS HEATING OIL SWAP	RH	75	1,710	-95.6%	75	0.0%
SAN JUAN BASIS SWAP	NJ	6,002	16,046	-62.6%	7,172	-16.3%
SAN JUAN PIPE SWAP	XX	0	360	-100.0%	0	-
SINGAPORE 180CST BALMO	BS	26	62	-58.1%	17	52.9%
SINGAPORE 380CST BALMO	BT	78	115	-32.2%	90	-13.3%
SINGAPORE 380CST FUEL OIL	SE	5,490	9,265	-40.7%	5,975	-8.1%
SINGAPORE FUEL 180CST CAL	UA	667	1,472	-54.7%	529	26.1%
SINGAPORE FUEL OIL SPREAD	SD	190	2,525	-92.5%	239	-20.5%
SINGAPORE GASOIL	MAF	4,200	0	-	4,529	-7.3%
SINGAPORE GASOIL	MTB	28	0	-	23	21.7%
SINGAPORE GASOIL	MTS	6,131	8,212	-25.3%	6,298	-2.7%
SINGAPORE GASOIL	STZ	0	3,825	-100.0%	0	-
SINGAPORE GASOIL CALENDAR	GDH	0	0	-	0	-
SINGAPORE GASOIL CALENDAR	GDL	0	0	-	0	-
SINGAPORE GASOIL CALENDAR	GHS	0	0	-	3	-100.0%
SINGAPORE GASOIL CALENDAR	MGO	0	0	-	7	-100.0%
SINGAPORE GASOIL CALENDAR	MSG	323	200	61.5%	374	-13.6%
SINGAPORE GASOIL CALENDAR	SGG	0	125	-100.0%	0	-
SINGAPORE GASOIL SWAP	SG	2,093	8,777	-76.2%	1,696	23.4%
SINGAPORE GASOIL VS ICE	GA	17,085	45,470	-62.4%	21,373	-20.1%
SINGAPORE JET KERO BALMO	BX	0	0	-	0	-
SINGAPORE JET KERO GASOIL	RK	5,655	10,455	-45.9%	6,505	-13.1%
SINGAPORE JET KEROSENE SW	KS	1,555	2,290	-32.1%	1,730	-10.1%
SINGAPORE JET KERO VS. GASOIL BALMO	Z0	0	0	-	0	-
SINGAPORE MOGAS 92 UNLEADED BALMO	1P	450	300	50.0%	375	20.0%
SINGAPORE MOGAS 92 UNLEADED SWP	1N	20,277	17,866	13.5%	20,257	0.1%
SINGAPORE NAPHTHA SWAP	SP	0	0	-	0	-
SING FUEL	MSD	0	55	-100.0%	0	-
SOCAL PIPE SWAP	XN	0	0	-	0	-
SONAT BASIS SWAP FUTURE	SZ	0	0	-	0	-
SOUTH STAR TEX OKLHM KNS	8Z	0	80	-100.0%	0	-
Sumas Basis Swap	NK	1,557	4,424	-64.8%	1,677	-7.2%
SUMAS NAT GAS PLATTS FIXED PRICE	DVS	0	0	-	0	-
TC2 ROTTERDAM TO USAC 37K	TM	415	393	5.6%	500	-17.0%
TC5 RAS TANURA TO YOKOHAM	TH	1,445	95	1,421.1%	1,415	2.1%
TCO BASIS SWAP	TC	3,672	7,385	-50.3%	4,032	-8.9%
TCO NG INDEX SWAP	Q1	0	0	-	0	-
TD3 MEG TO JAPAN 250K MT	TL	12,267	1,682	629.3%	12,906	-5.0%
TENNESSEE 500 LEG BASIS S	NM	0	0	-	0	-
TENNESSEE 800 LEG NG BASI	6Z	0	0	-	0	-
TENNESSEE ZONE 0 BASIS SW	NQ	0	0	-	0	-
TETCO M-3 INDEX	IX	0	0	-	0	-
Tetco STX Basis	TX	0	490	-100.0%	0	-
TEXAS EASTERN ZONE M-3 BA	NX	1,404	4,753	-70.5%	1,464	-4.1%
TEXAS GAS ZONE1 NG BASIS	9F	0	3,848	-100.0%	0	-
Transco Zone 3 Basis	CZ	0	2,205	-100.0%	0	-
TRANSCO ZONE 3 NG INDEX S	Y6	0	0	-	0	-
TRANSCO ZONE4 BASIS SWAP	TR	2,616	6,235	-58.0%	2,754	-5.0%
TRANSCO ZONE 4 NAT GAS IN	B2	0	0	-	0	-

NYMEX/COMEX Exchange Open Interest Report - Monthly

Commodity	Open Interest APR 2019	Open Interest APR 2018	% CHG	Open Interest MAR 2019	% CHG	
Energy Futures						
TRANSCO ZONE 6 BASIS SWAP	NZ	0	1,958	-100.0%	0	-
TRANSCO ZONE 6 INDEX	IT	0	0	-	0	-
UCM FUT	UCM	0	20	-100.0%	20	-100.0%
UK NBP NAT GAS CAL MTH FUT	UKG	160	131	22.1%	245	-34.7%
ULSD 10PPM CIF MED SWAP	Z6	0	0	-	0	-
ULSD 10PPM CIF MED VS ICE	Z7	0	24	-100.0%	0	-
ULSD 10PPM CIF NW BALMO S	B1	0	0	-	0	-
ULSD UP-DOWN BALMO SWP	1L	3,300	5,500	-40.0%	5,845	-43.5%
UP DOWN GC ULSD VS NMX HO	LT	42,918	33,904	26.6%	42,411	1.2%
WAHA BASIS	NW	1,848	4,842	-61.8%	1,968	-6.1%
WAHA INDEX SWAP FUTURE	IY	0	0	-	0	-
WESTERN RAIL DELIVERY PRB	QP	0	245	-100.0%	0	-
WTI-BRENT BULLET SWAP	BY	3,654	6,704	-45.5%	4,179	-12.6%
WTI-BRENT CALENDAR SWAP	BK	167,910	132,419	26.8%	140,667	19.4%
WTI CALENDAR	CS	191,411	178,928	7.0%	167,832	14.0%
WTS (ARGUS) VS WTI SWAP	FF	52,148	64,074	-18.6%	52,646	-0.9%
WTS (ARGUS) VS WTI TRD MT	FH	5,843	3,793	54.0%	5,486	6.5%
Energy Options						
12 MO GASOIL CAL SWAP SPR	GXZ	0	0	-	0	-
BRENT 1 MONTH CAL	AA	0	3,000	-100.0%	0	-
BRENT CALENDAR SWAP	BA	6,627	3,171	109.0%	6,732	-1.6%
BRENT CRUDE OIL 12 M CSO	9Y	0	0	-	0	-
BRENT CRUDE OIL 1 M CSO	9C	27,300	220,372	-87.6%	24,800	10.1%
BRENT CRUDE OIL 6 M CSO	9L	0	0	-	0	-
BRENT OIL LAST DAY	BE	64,260	73,515	-12.6%	96,010	-33.1%
BRENT OIL LAST DAY	BZO	138,058	171,315	-19.4%	166,876	-17.3%
BRENT OIL LAST DAY	OS	50	1,072	-95.3%	50	0.0%
COAL API2 INDEX	CLA	230	2,075	-88.9%	195	17.9%
COAL API2 INDEX	CQA	350	875	-60.0%	350	0.0%
COAL API2 INDEX	MTC	0	0	-	0	-
COAL API4 INDEX	RLA	0	25	-100.0%	0	-
COAL API4 INDEX	RQA	0	0	-	0	-
COAL SWAP	CPF	0	20	-100.0%	0	-
COAL SWAP	RPF	0	250	-100.0%	0	-
CRUDE OIL	6Y	150	0	-	150	0.0%
CRUDE OIL 1MO	WA	596,856	391,525	52.4%	526,054	13.5%
CRUDE OIL APO	AO	386,852	461,987	-16.3%	349,364	10.7%
CRUDE OIL CALNDR STRIP	6F	200	170	17.6%	200	0.0%
CRUDE OIL OUTRIGHTS	AH	0	150	-100.0%	0	-
CRUDE OIL OUTRIGHTS	DBP	0	0	-	0	-
CRUDE OIL OUTRIGHTS	WCI	295	4,690	-93.7%	590	-50.0%
CRUDE OIL PHY	CD	0	0	0.0%	0	-
CRUDE OIL PHY	LC	50,167	56,168	-10.7%	45,164	11.1%
CRUDE OIL PHY	LO	2,749,023	3,200,118	-14.1%	2,530,997	8.6%
CRUDE OIL PHY	LO1	8,867	4,413	100.9%	2,703	228.0%
CRUDE OIL PHY	LO2	1,179	757	55.7%	370	218.6%
CRUDE OIL PHY	LO3	895	355	152.1%	76	1,077.6%
CRUDE OIL PHY	LO4	89	0	0.0%	0	-
CRUDE OIL PHY	LO5	0	0	-	0	0.0%
ELEC MISO PEAK	9T	0	0	-	0	-
ETHANOL	CE1	0	0	0.0%	0	-
ETHANOL	CE3	0	0	-	0	-



NYMEX/COMEX Exchange Open Interest Report - Monthly

Commodity		Open Interest APR 2019	Open Interest APR 2018	% CHG	Open Interest MAR 2019	% CHG
Energy Options						
ETHANOL SWAP	CVR	12,944	12,738	1.6%	11,835	9.4%
ETHANOL SWAP	GVR	1,920	2,676	-28.3%	2,140	-10.3%
EUROPEAN JET KEROSENE NWE (PLATTS) AVG PRC	30	0	0	-	0	-
GASOLINE	GCE	0	0	-	0	-
HEATING OIL CRACK OPTIONS	CH	0	0	-	0	-
HEATING OIL CRK SPD AVG PRICE OPTIONS	3W	0	0	-	0	-
HEATING OIL PHY	LB	357	0	-	734	-51.4%
HEATING OIL PHY	OH	52,819	48,836	8.2%	50,444	4.7%
HENRY HUB FINANCIAL LAST	E7	11,223	5,734	95.7%	11,404	-1.6%
HO 1 MONTH CLNDR OPTIONS	FA	1,000	0	-	0	-
LLS CRUDE OIL	WJO	0	1,800	-100.0%	0	-
LLS CRUDE OIL	YVO	0	500	-100.0%	0	-
MCCLOSKEY ARA ARGS COAL	MTO	0	495	-100.0%	130	-100.0%
MCCLOSKEY RCH BAY COAL	MFO	50	1,375	-96.4%	220	-77.3%
NATURAL GAS	G10	0	0	-	0	-
NATURAL GAS 1 M CSO FIN	G4	9,800	150	6,433.3%	4,300	127.9%
NATURAL GAS 2 M CSO FIN	G2	0	0	-	500	-100.0%
NATURAL GAS 3 M CSO FIN	G3	22,800	29,335	-22.3%	4,150	449.4%
NATURAL GAS 5 M CSO FIN	G5	0	0	-	0	-
NATURAL GAS 6 M CSO FIN	G6	9,500	1,500	533.3%	0	-
NATURAL GAS OPTION ON CALENDAR STRP	6J	10,284	11,386	-9.7%	10,084	2.0%
NATURAL GAS PHY	KD	0	0	0.0%	0	0.0%
NATURAL GAS PHY	LN	1,464,558	1,519,704	-3.6%	1,397,188	4.8%
NATURAL GAS PHY	ON	63,537	80,040	-20.6%	52,724	20.5%
NATURAL GAS WINTER STRIP	6I	0	0	-	0	-
N ROCKIES PIPE SWAP	ZR	1,332	1,624	-18.0%	546	144.0%
NY HARBOR HEAT OIL SWP	AT	10,659	17,534	-39.2%	12,295	-13.3%
NYISO ZONE G 5MW PEAK OPTIONS	9U	0	0	-	0	-
NYMEX EUROPEAN GASOIL APO	F7	0	0	-	0	-
PANHANDLE PIPE SWAP	PU	0	4,320	-100.0%	0	-
PETROCHEMICALS	4H	2,304	1,590	44.9%	2,778	-17.1%
PETROCHEMICALS	4J	675	1,440	-53.1%	750	-10.0%
PETROCHEMICALS	4K	80	0	-	0	-
PETROCHEMICALS	CPR	0	0	-	0	-
PETRO OUTRIGHT EURO	8H	0	0	-	0	-
PETRO OUTRIGHT EURO	BCO	24	0	-	24	0.0%
PETRO OUTRIGHT NA	DAP	654	54	1,111.1%	700	-6.6%
PJM WES HUB PEAK CAL MTH	6OA	820	1,720	-52.3%	780	5.1%
PJM WES HUB PEAK CAL MTH	JOA	0	0	-	0	-
PJM WES HUB PEAK LMP 50MW	PMA	1,567	9,359	-83.3%	1,567	0.0%
RBOB 1MO CAL SPD OPTIONS	ZA	0	0	-	0	-
RBOB CALENDAR SWAP	RA	213	645	-67.0%	235	-9.4%
RBOB CRACK	RX	0	0	-	0	-
RBOB PHY	OB	25,057	12,165	106.0%	16,838	48.8%
RBOB PHY	RF	70	125	-44.0%	142	-50.7%
ROTTERDAM 3.5%FUEL OIL CL	Q6	0	0	-	0	-
SAN JUAN PIPE SWAP	PJ	455	1,700	-73.2%	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	-

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The open interest values are based on preliminary open interest values only.



NYMEX/COMEX Exchange Open Interest Report - Monthly

Commodity	Open Interest APR 2019	Open Interest APR 2018	% CHG	Open Interest MAR 2019	% CHG	
Energy Options						
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	0.0%	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 CALENDAR	N2	0	0	-	0	-
SOCAL PIPE SWAP	ZN	0	0	-	0	-
WTI-BRENT BULLET SWAP	BV	116,000	205,841	-43.6%	145,520	-20.3%
WTI CRUDE OIL 1 M CSO FI	7A	149,400	209,484	-28.7%	125,750	18.8%
Metals Futures						
COMEX GOLD	GC	431,977	506,226	-14.7%	448,609	-3.7%
NYMEX HOT ROLLED STEEL	HR	17,090	13,277	28.7%	17,003	0.5%
NYMEX PLATINUM	PL	75,825	79,917	-5.1%	68,155	11.3%
PALLADIUM	PA	22,722	23,561	-3.6%	23,754	-4.3%
URANIUM	UX	3,708	2,764	34.2%	3,601	3.0%
COMEX SILVER	SI	197,060	193,851	1.7%	196,044	0.5%
COMEX E-Mini GOLD	QO	2,761	676	308.4%	775	256.3%
COMEX E-Mini SILVER	QI	118	185	-36.2%	171	-31.0%
COMEX COPPER	HG	250,220	240,018	4.3%	249,843	0.2%
COMEX MINY COPPER	QC	138	65	112.3%	209	-34.0%
ALUMINUM	A38	104	0	-	106	-1.9%
ALUMINUM	AEP	11,577	13,815	-16.2%	12,110	-4.4%
ALUMINUM	ALA	435	2,515	-82.7%	495	-12.1%
ALUMINUM	ALI	0	0	-	0	-
ALUMINUM	AUP	27,784	34,519	-19.5%	27,967	-0.7%
ALUMINUM	CUP	0	120	-100.0%	0	-
ALUMINUM	EDP	11,205	10,580	5.9%	11,023	1.7%
ALUMINUM	MJP	6,714	10,379	-35.3%	6,855	-2.1%
COPPER	HGS	12,996	15,003	-13.4%	12,724	2.1%

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The open interest values are based on preliminary open interest values only.



NYMEX/COMEX Exchange Open Interest Report - Monthly

Commodity	Open Interest APR 2019	Open Interest APR 2018	% CHG	Open Interest MAR 2019	% CHG
Metals Futures					
E-MICRO GOLD	12,528	8,307	50.8%	11,592	8.1%
FERROUS PRODUCTS	4,225	3,884	8.8%	3,389	24.7%
GOLD	0	0	-	0	-
Gold Kilo	0	0	-	0	-
IRON ORE 62 CHINA PLATTS FUTURES	0	880	-100.0%	0	-
IRON ORE 62 CHINA TSI FUTURES	8,786	9,789	-10.2%	10,174	-13.6%
LNDN ZINC	9	3	200.0%	0	-
SILVER	1,674	1,433	16.8%	1,507	11.1%
Metals Options					
COMEX COPPER	37,481	14,044	166.9%	48,982	-23.5%
COMEX GOLD	1,304,335	1,112,179	17.3%	1,257,048	3.8%
COMEX SILVER	225,257	175,093	28.6%	230,726	-2.4%
COPPER	60	0	-	10	500.0%
COPPER	25	0	-	0	-
COPPER	0	0	-	0	-
COPPER	0	0	-	0	-
COPPER	0	0	-	0	0.0%
GOLD	10,291	3,380	204.5%	11,396	-9.7%
GOLD	3,915	492	695.7%	6,704	-41.6%
GOLD	3,081	117	2,533.3%	902	241.6%
GOLD	22	0	0.0%	0	-
GOLD	0	0	-	0	0.0%
HOT ROLLED COIL STEEL CALL OPTION	700	800	-12.5%	750	-6.7%
IRON ORE 62 CHINA TSI CALL OPTION	1,230	2,121	-42.0%	3,340	-63.2%
IRON ORE 62 CHINA TSI PUT OPTION	645	660	-2.3%	1,850	-65.1%
NYMEX PLATINUM	6,427	1,790	259.1%	4,557	41.0%
PALLADIUM	2,707	4,037	-32.9%	1,902	42.3%
SILVER	504	79	538.0%	515	-2.1%
SILVER	780	38	1,952.6%	305	155.7%
SILVER	333	13	2,461.5%	39	753.8%
SILVER	16	0	0.0%	0	-
SILVER	0	0	-	0	0.0%
TOTAL FUTURES GROUP					
Ag Products Futures	0	59	-100.0%	0	-
Energy Futures	10,737,638	14,972,169	-28.3%	10,594,548	1.4%
Metals Futures	1,099,656	1,171,767	-6.2%	1,106,106	-0.6%
TOTAL FUTURES	11,837,294	16,143,995	-26.7%	11,700,654	1.2%



NYMEX/COMEX Exchange Open Interest Report - Monthly

Commodity	Open Interest APR 2019	Open Interest APR 2018	% CHG	Open Interest MAR 2019	% CHG
TOTAL OPTIONS GROUP					
Energy Options	6,001,550	6,779,893	-11.5%	5,604,459	7.1%
Metals Options	1,597,809	1,314,843	21.5%	1,569,026	1.8%
TOTAL OPTIONS	7,599,359	8,094,736	-6.1%	7,173,485	5.9%
TOTAL COMBINED					
Ag Products	0	59	-100.0%	0	-
Energy	16,739,188	21,752,062	-23.0%	16,199,007	3.3%
Metals	2,697,465	2,486,610	8.5%	2,675,132	0.8%
GRAND TOTAL	19,436,653	24,238,731	-19.8%	18,874,139	3.0%