

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	-

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	IH	0	2,200	-100.0%	0	-
DOMINION TRANSMISSION INC	PG	8,042	22,641	-64.5%	8,642	-6.9%
DUBAI CRUDE OIL BALMO	BI	0	0	-	0	-
DUBAI CRUDE OIL CALENDAR	DC	4,307	2,469	74.4%	17,433	-75.3%
DUTCH TTF NATURAL GAS CAL MONTH FUT	TTF	2,076	180	1,053.3%	1,668	24.5%
DY EURO 3.5% FUEL OI RDA	FOR	0	0	-	0	-
EASTERN RAIL DELIVERY CSX	QX	0	225	-100.0%	0	-
EAST/WEST FUEL OIL SPREAD	EW	39	137	-71.5%	40	-2.5%
EIA FLAT TAX ONHWAY DIESE	A5	1,468	1,872	-21.6%	1,655	-11.3%
ELEC ERCOT DLY OFF PK	I4	0	0	-	0	-
ELEC ERCOT DLY PEAK	I3	0	180	-100.0%	0	-
ELEC ERCOT DLY PEAK	I7	0	180	-100.0%	0	-
ELEC ERCOT OFF PEAK	I2	0	19,600	-100.0%	0	-
ELEC FINSETTLED	47	898	1,406	-36.1%	940	-4.5%
ELEC FINSETTLED	49	0	0	-	0	-
ELEC MISO PEAK	4L	0	2,865	-100.0%	0	-
ELEC MISO PEAK	55	0	0	-	0	-
ELEC NYISO OFF-PEAK	4M	0	53,175	-100.0%	0	-
ELEC NYISO OFF-PEAK	58	0	0	-	0	-
ELECTRICITY ERCOT PEAK	ERE	0	0	-	0	-
ELECTRICITY OFF PEAK	46	16,402	25,794	-36.4%	17,216	-4.7%
ELECTRICITY OFF PEAK	4P	55,380	0	-	55,380	0.0%
ELECTRICITY OFF PEAK	50	0	0	-	0	-
ELEC WEST POWER OFF-PEAK	MDA	0	0	-	0	-
ELEC WEST POWER PEAK	MDC	0	0	-	0	-
ERCOT DAILY 5MW PEAK	ERW	0	0	-	0	-
ERCOT HOUSTON Z MCPE 5MW PEAK SWAP	I1	0	2,200	-100.0%	0	-
ERCOT NORTH ZMCPE 5MW OFFPEAK	I8	0	0	-	0	-
ERCOT NORTH ZMCPE 5MW OFFPEAK SWAP	I6	0	130,480	-100.0%	0	-
ERCOT NORTH ZMCPE 5MW PEAK	I5	0	6,960	-100.0%	0	-
ETHANOL	MTH	30	0	-	0	0.0%
ETHANOL	Z1B	0	0	-	0	-
ETHANOL SWAP	MT2	470	10	4,600.0%	410	14.6%
ETHANOL T2 FOB ROTT INCL DUTY SWAP	Z1	4,646	5,111	-9.1%	4,904	-5.3%
EURO 1% FUEL OIL NEW BALM	KX	0	0	-	0	-
EURO 3.5% FUEL OIL RDAM B	KR	38	657	-94.2%	105	-63.8%
EURO 3.5% FUEL OIL SPREAD	FK	85	340	-75.0%	45	88.9%
EURO-DENOMINATED PETRO PROD	NCP	0	0	-	0	-
EURO GASOIL 10PPM VS ICE	ET	0	385	-100.0%	20	-100.0%
EUROPE 1% FUEL OIL NWE CA	UF	242	261	-7.3%	244	-0.8%
EUROPE 1% FUEL OIL RDAM C	UH	3	0	-	3	0.0%
EUROPE 3.5% FUEL OIL MED	UI	125	435	-71.3%	147	-15.0%
EUROPE 3.5% FUEL OIL RDAM	UV	6,761	13,926	-51.5%	7,362	-8.2%
EUROPEAN GASOIL (ICE)	7F	100	193	-48.2%	111	-9.9%
EUROPEAN NAPHTHA BALMO	KZ	128	203	-36.9%	268	-52.2%
EUROPEAN NAPHTHA CRACK SPR	EN	12,534	14,205	-11.8%	12,982	-3.5%
EUROPE DATED BRENT SWAP	UB	690	300	130.0%	640	7.8%
EUROPE JET KERO NWE CALSW	UJ	26	36	-27.8%	22	18.2%
EUROPE NAPHTHA CALSWAP	UN	2,715	2,964	-8.4%	2,894	-6.2%
EURO PROPANE CIF ARA SWA	PS	2,088	1,721	21.3%	2,124	-1.7%
FLORIDA GAS ZONE3 BASIS S	FP	0	0	-	0	-
FREIGHT MARKETS	FLP	869	741	17.3%	947	-8.2%
FREIGHT MARKETS	FRC	390	45	766.7%	345	13.0%

NYMEX/COMEX Exchange Open Interest Report - Monthly

Commodity		Open Interest APR 2019	Open Interest APR 2018	% CHG	Open Interest MAR 2019	% CHG
Energy Futures						
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%

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	OPM	0	0	-	0	-
PANHANDLE BASIS SWAP FUTU	PH	3,763	10,654	-64.7%	4,123	-8.7%
PANHANDLE PIPE SWAP	XH	0	1,720	-100.0%	0	-
PERMIAN BASIS SWAP	PM	4,152	7,876	-47.3%	4,272	-2.8%
PETROCHEMICALS	22	171	215	-20.5%	57	200.0%
PETROCHEMICALS	32	61	227	-73.1%	177	-65.5%
PETROCHEMICALS	3NA	28	0	-	20	40.0%
PETROCHEMICALS	51	5	23	-78.3%	0	-
PETROCHEMICALS	8I	4,958	5,949	-16.7%	4,622	7.3%
PETROCHEMICALS	91	850	926	-8.2%	876	-3.0%
PETROCHEMICALS	HPE	0	0	-	0	-
PETROCHEMICALS	MAA	50	0	-	0	-
PETROCHEMICALS	MAC	0	0	-	0	-
PETROCHEMICALS	MAE	568	340	67.1%	577	-1.6%
PETROCHEMICALS	MAS	235	100	135.0%	260	-9.6%
PETROCHEMICALS	MBE	315	470	-33.0%	335	-6.0%
PETROCHEMICALS	MNB	2,221	4,789	-53.6%	1,736	27.9%
PETROCHEMICALS	MPS	265	155	71.0%	315	-15.9%
PETRO CRCKS & SPRDS ASIA	JNC	0	0	-	0	-
PETRO CRCKS & SPRDS ASIA	STI	0	0	-	0	-
PETRO CRCKS & SPRDS ASIA	STR	690	100	590.0%	690	0.0%
PETRO CRCKS & SPRDS ASIA	STS	220	1,161	-81.1%	128	71.9%
PETRO CRCKS & SPRDS NA	CRB	9,145	1,090	739.0%	7,645	19.6%
PETRO CRCKS & SPRDS NA	EXR	4,652	4,624	0.6%	4,468	4.1%
PETRO CRCKS & SPRDS NA	FOC	500	3,400	-85.3%	920	-45.7%
PETRO CRCKS & SPRDS NA	GBB	220	670	-67.2%	900	-75.6%
PETRO CRCKS & SPRDS NA	GCC	165	550	-70.0%	190	-13.2%
PETRO CRCKS & SPRDS NA	GCI	2,363	3,044	-22.4%	1,647	43.5%
PETRO CRCKS & SPRDS NA	GCM	0	121	-100.0%	0	-
PETRO CRCKS & SPRDS NA	GCU	15,313	35,819	-57.2%	16,167	-5.3%
PETRO CRCKS & SPRDS NA	GFC	0	0	-	0	-
PETRO CRCKS & SPRDS NA	HOB	7,560	8,244	-8.3%	4,334	74.4%
PETRO CRCKS & SPRDS NA	KSD	0	0	-	0	-
PETRO CRCKS & SPRDS NA	MFR	0	0	-	0	-
PETRO CRCKS & SPRDS NA	NFG	0	0	-	0	-
PETRO CRCKS & SPRDS NA	NYF	0	0	-	0	-
PETRO CRCKS & SPRDS NA	NYH	0	0	-	0	-
PETRO CRCKS & SPRDS NA	RBB	18,624	14,573	27.8%	12,097	54.0%
PETRO CRCKS & SPRDS NA	RVG	16,533	24,324	-32.0%	16,781	-1.5%
PETRO CRCKS & SPRDS NA	SF3	167	168	-0.6%	296	-43.6%
PETRO CRK&SPRD EURO	1NB	3,565	4,794	-25.6%	3,484	2.3%
PETRO CRK&SPRD EURO	1ND	0	0	-	0	-
PETRO CRK&SPRD EURO	43	75	585	-87.2%	0	-
PETRO CRK&SPRD EURO	BFR	60	0	-	60	0.0%
PETRO CRK&SPRD EURO	BOB	3,043	4,635	-34.3%	3,092	-1.6%
PETRO CRK&SPRD EURO	EGB	0	0	-	0	-
PETRO CRK&SPRD EURO	EGN	0	0	-	0	-
PETRO CRK&SPRD EURO	EOB	35	75	-53.3%	35	0.0%
PETRO CRK&SPRD EURO	EPN	1,301	1,407	-7.5%	1,311	-0.8%
PETRO CRK&SPRD EURO	EVC	2,925	6,744	-56.6%	3,120	-6.2%
PETRO CRK&SPRD EURO	FBT	60	0	-	60	0.0%
PETRO CRK&SPRD EURO	FVB	30	30	0.0%	30	0.0%
PETRO CRK&SPRD EURO	GCB	0	200	-100.0%	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						
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 OUTRIGHT EURO	0B	10	20	-50.0%	0	-
PETRO OUTRIGHT EURO	0C	10	0	-	0	-
PETRO OUTRIGHT EURO	0D	3,968	4,792	-17.2%	3,526	12.5%
PETRO OUTRIGHT EURO	0E	20	109	-81.7%	0	-
PETRO OUTRIGHT EURO	0F	1,009	1,017	-0.8%	882	14.4%
PETRO OUTRIGHT EURO	1T	26	36	-27.8%	22	18.2%
PETRO OUTRIGHT EURO	33	0	0	-	0	-
PETRO OUTRIGHT EURO	5L	10	46	-78.3%	71	-85.9%
PETRO OUTRIGHT EURO	63	0	70	-100.0%	0	-
PETRO OUTRIGHT EURO	6L	0	0	-	0	-
PETRO OUTRIGHT EURO	7I	42	315	-86.7%	175	-76.0%
PETRO OUTRIGHT EURO	7R	114	212	-46.2%	108	5.6%
PETRO OUTRIGHT EURO	88	0	45	-100.0%	0	-
PETRO OUTRIGHT EURO	CBB	0	0	-	0	-
PETRO OUTRIGHT EURO	CGB	0	0	-	0	-
PETRO OUTRIGHT EURO	CPB	62	297	-79.1%	196	-68.4%
PETRO OUTRIGHT EURO	EFF	5	93	-94.6%	20	-75.0%
PETRO OUTRIGHT EURO	EFM	0	0	-	22	-100.0%
PETRO OUTRIGHT EURO	ENS	55	190	-71.1%	20	175.0%
PETRO OUTRIGHT EURO	ESB	0	0	-	0	-
PETRO OUTRIGHT EURO	EWN	1,001	1,273	-21.4%	1,273	-21.4%
PETRO OUTRIGHT EURO	FBD	0	0	-	0	-
PETRO OUTRIGHT EURO	FLB	0	0	-	0	-
PETRO OUTRIGHT EURO	GES	0	0	-	0	-
PETRO OUTRIGHT EURO	MBB	0	25	-100.0%	0	-
PETRO OUTRIGHT EURO	MBN	2,328	4,268	-45.5%	2,164	7.6%
PETRO OUTRIGHT EURO	MEF	1,317	0	-	1,177	11.9%
PETRO OUTRIGHT EURO	R53	12	0	-	12	0.0%
PETRO OUTRIGHT EURO	R5M	4	0	-	0	-
PETRO OUTRIGHT EURO	R5O	115	0	-	30	283.3%
PETRO OUTRIGHT EURO	S5M	37	0	-	37	0.0%
PETRO OUTRIGHT EURO	SMU	0	228	-100.0%	125	-100.0%
PETRO OUTRIGHT EURO	T0	9	75	-88.0%	9	0.0%
PETRO OUTRIGHT EURO	T2B	0	0	-	0	-
PETRO OUTRIGHT EURO	ULB	0	0	-	0	-
PETRO OUTRIGHT EURO	V0	0	980	-100.0%	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						
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%

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	ZO	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	-

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%

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	MGC	12,528	8,307	50.8%	11,592	8.1%
FERROUS PRODUCTS	BUS	4,225	3,884	8.8%	3,389	24.7%
GOLD	GPS	0	0	-	0	-
Gold Kilo	GCK	0	0	-	0	-
IRON ORE 62 CHINA PLATTS FUTURES	PIO	0	880	-100.0%	0	-
IRON ORE 62 CHINA TSI FUTURES	TIO	8,786	9,789	-10.2%	10,174	-13.6%
LNDN ZINC	ZNC	9	3	200.0%	0	-
SILVER	SIL	1,674	1,433	16.8%	1,507	11.1%
Metals Options						
COMEX COPPER	HX	37,481	14,044	166.9%	48,982	-23.5%
COMEX GOLD	OG	1,304,335	1,112,179	17.3%	1,257,048	3.8%
COMEX SILVER	SO	225,257	175,093	28.6%	230,726	-2.4%
COPPER	H1E	60	0	-	10	500.0%
COPPER	H2E	25	0	-	0	-
COPPER	H3E	0	0	-	0	-
COPPER	H4E	0	0	-	0	-
COPPER	H5E	0	0	-	0	0.0%
GOLD	OG1	10,291	3,380	204.5%	11,396	-9.7%
GOLD	OG2	3,915	492	695.7%	6,704	-41.6%
GOLD	OG3	3,081	117	2,533.3%	902	241.6%
GOLD	OG4	22	0	0.0%	0	-
GOLD	OG5	0	0	-	0	0.0%
HOT ROLLED COIL STEEL CALL OPTION	HRO	700	800	-12.5%	750	-6.7%
IRON ORE 62 CHINA TSI CALL OPTION	ICT	1,230	2,121	-42.0%	3,340	-63.2%
IRON ORE 62 CHINA TSI PUT OPTION	ICT	645	660	-2.3%	1,850	-65.1%
NYMEX PLATINUM	PO	6,427	1,790	259.1%	4,557	41.0%
PALLADIUM	PAO	2,707	4,037	-32.9%	1,902	42.3%
SILVER	SO1	504	79	538.0%	515	-2.1%
SILVER	SO2	780	38	1,952.6%	305	155.7%
SILVER	SO3	333	13	2,461.5%	39	753.8%
SILVER	SO4	16	0	0.0%	0	-
SILVER	SO5	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%