

## NYMEX/COMEX Exchange Open Interest Report - Monthly

	Commodity	Open Interest JAN 2020	Open Interest JAN 2019	% CHG	Open Interest DEC 2019	% CHG
Ag Products Futures						
COCOA TAS	CJ	0	0	-	0	-
COFFEE	KT	0	0	-	0	-
COTTON	TT	0	0	-	1	-100.0%
SUGAR 11	YO	0	0	-	0	-
Energy Futures						
CRUDE OIL PHY	CL	2,229,701	2,072,900	7.6%	2,147,798	3.8%
CRUDE OIL	WS	48	286	-83.2%	36	33.3%
MINY WTI CRUDE OIL	QM	5,247	5,109	2.7%	4,024	30.4%
BRENT OIL LAST DAY	BZ	250,878	196,080	27.9%	222,092	13.0%
HEATING OIL PHY	HO	404,077	369,626	9.3%	438,793	-7.9%
HTG OIL	BH	100	154	-35.1%	110	-9.1%
MINY HTG OIL	QH	2	0	-	0	-
RBOB PHY	RB	376,903	413,538	-8.9%	382,208	-1.4%
MINY RBOB GAS	QU	0	0	0.0%	0	-
NATURAL GAS	HP	92,828	110,429	-15.9%	85,205	8.9%
LTD NAT GAS	HH	286,716	437,763	-34.5%	294,699	-2.7%
MINY NATURAL GAS	QG	6,139	2,384	157.5%	5,155	19.1%
PJM MONTHLY	JM	0	480	-100.0%	40	-100.0%
NATURAL GAS PHY	NG	1,512,798	1,365,098	10.8%	1,291,147	17.2%
RBOB GAS	RT	70	80	-12.5%	77	-9.1%
3.5% FUEL OIL CID MED SWA	7D	10	63	-84.1%	9	11.1%
3.5% FUEL OIL CIF BALMO S	8D	0	0	-	0	-
AEP-DAYTON HUB DAILY	VD	84	114	-26.3%	38	121.1%
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	118	-100.0%	0	-
ARGUS LLS VS. WTI (ARG) T	E5	13,794	40,959	-66.3%	13,970	-1.3%
ARGUS PROPAN FAR EST INDE	7E	4,834	4,677	3.4%	4,898	-1.3%
ARGUS PROPAN(SAUDI ARAMCO	9N	1,864	2,189	-14.8%	2,095	-11.0%
AUSTRIALIAN COKE COAL	ACT	0	0	-	0	-
AUSTRIALIAN COKE COAL	ALW	0	48	-100.0%	4	-100.0%
BRENT BALMO SWAP	J9	190	0	-	0	-
BRENT CALENDAR SWAP	CY	23,232	23,745	-2.2%	21,475	8.2%
BRENT CFD SWAP	6W	0	0	-	0	-
BRENT FINANCIAL FUTURES	BB	0	3,658	-100.0%	0	-
BRENT FINANCIAL FUTURES	MBC	70	0	-	110	-36.4%
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	1,776	-100.0%	0	-
CHICAGO ETHANOL SWAP	CU	35,970	52,127	-31.0%	33,386	7.7%
CHICAGO ULSD PL VS HO SPR	5C	2,390	2,972	-19.6%	1,922	24.3%
CHICAGO UNL GAS PL VS RBO	3C	165	235	-29.8%	100	65.0%
CIG BASIS	CI	0	6,106	-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	191	2,149	-91.1%	211	-9.5%

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CIN HUB 5MW REAL TIME O P	H4	29,960	139,904	-78.6%	32,704	-8.4%
CIN HUB 5MW REAL TIME PK	H3	1,645	16,944	-90.3%	1,799	-8.6%
COAL SWAP	ACM	0	40	-100.0%	0	-
COLUMB GULF MAINLINE NG B	5Z	364	748	-51.3%	511	-28.8%
CONWAY NATURAL GASOLINE (OPIS) SWAP	8L	1,512	1,185	27.6%	1,478	2.3%
CONWAY NORMAL BUTANE (OPIS) SWAP	8M	1,013	715	41.7%	1,321	-23.3%
CONWAY PROPANE 5 DECIMALS SWAP	8K	17,421	22,430	-22.3%	19,501	-10.7%
CRUDE OIL	LPS	15,795	25,060	-37.0%	17,340	-8.9%
CRUDE OIL OUTRIGHTS	42	156	1,209	-87.1%	174	-10.3%
CRUDE OIL OUTRIGHTS	CC5	1,307	735	77.8%	1,710	-23.6%
CRUDE OIL OUTRIGHTS	CPD	0	0	-	0	-
CRUDE OIL OUTRIGHTS	CSW	0	2,500	-100.0%	0	-
CRUDE OIL OUTRIGHTS	DAB	615	0	-	540	13.9%
CRUDE OIL OUTRIGHTS	DBL	330	0	-	730	-54.8%
CRUDE OIL OUTRIGHTS	GSW	23	0	-	46	-50.0%
CRUDE OIL OUTRIGHTS	HTT	166,078	120,132	38.2%	148,361	11.9%
CRUDE OIL OUTRIGHTS	LSW	2,125	1,630	30.4%	1,721	23.5%
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	6,416	19,405	-66.9%	6,002	6.9%
CRUDE OIL PHY	CLL	0	0	0.0%	0	0.0%
CRUDE OIL PHY	HCL	618	568	8.8%	470	31.5%
CRUDE OIL SPRDS	38	0	0	-	150	-100.0%
CRUDE OIL SPRDS	ANT	180	0	-	180	0.0%
CRUDE OIL SPRDS	HIL	1,595	0	-	1,445	10.4%
CRUDE OIL SPRDS	WTT	126,339	141,386	-10.6%	123,341	2.4%
CRUDE OIL TRADE AT MARKER SINGAPORE	CLS	0	0	0.0%	0	0.0%
DAILY PJM	AOR	1,440	4,224	-65.9%	5,040	-71.4%
DAILY PJM	IDO	16,240	14,960	8.6%	17,416	-6.8%
DAILY PJM	NOC	480	1,824	-73.7%	2,280	-78.9%
DAILY PJM	PAP	250	250	0.0%	270	-7.4%
DAILY PJM	PEO	4,640	2,200	110.9%	4,480	3.6%
DAILY PJM	PNO	0	14,960	-100.0%	3,808	-100.0%
DAILY PJM	PNP	0	975	-100.0%	195	-100.0%
DAILY PJM	PWO	10,208	14,080	-27.5%	12,208	-16.4%
DAILY PJM	PWP	550	800	-31.3%	644	-14.6%
DAILY PJM	WOR	4,320	17,088	-74.7%	8,160	-47.1%
DAILY PJM	ZAO	928	6,600	-85.9%	1,008	-7.9%
DAILY PJM	ZGO	63,568	38,720	64.2%	61,880	2.7%
DAILY PJM	ZJO	1,392	13,200	-89.5%	4,536	-69.3%
DATED TO FRONTLINE BRENT	FY	600	2,990	-79.9%	745	-19.5%
DIESEL 10P BRG FOB RDM VS	7X	0	0	-	0	-
DOMINION TRAN INC - APP I	IH	0	0	-	0	-
DOMINION TRANSMISSION INC	PG	2,556	11,474	-77.7%	2,959	-13.6%
DUBAI CRUDE OIL BALMO	BI	0	0	-	0	-
DUBAI CRUDE OIL CALENDAR	DC	899	19,760	-95.5%	1,039	-13.5%
DUTCH TTF NATURAL GAS CAL MONTH FUT	TTF	11,593	574	1,919.7%	8,806	31.6%
EASTERN RAIL DELIVERY CSX	QX	0	0	-	0	-
EAST/WEST FUEL OIL SPREAD	EW	12	42	-71.4%	13	-7.7%
EIA FLAT TAX ONHWAY DIESE	A5	1,600	1,641	-2.5%	1,268	26.2%
ELEC ERCOT DLY OFF PK	I4	0	0	-	0	-

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<b>Energy Futures</b>						
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	514	1,024	-49.8%	556	-7.6%
ELEC MISO PEAK	4L	0	0	-	0	-
ELEC MISO PEAK	55	0	0	-	0	-
ELEC NYISO OFF-PEAK	4M	0	0	-	0	-
ELEC NYISO OFF-PEAK	58	0	0	-	0	-
ELECTRICITY OFF PEAK	46	9,344	18,704	-50.0%	10,160	-8.0%
ELECTRICITY OFF PEAK	4P	0	55,380	-100.0%	8,160	-100.0%
ERCOT HOUSTON Z MCPE 5MW PEAK SWAP	I1	0	0	-	0	-
ERCOT NORTH ZMCPE 5MW OFFPEAK	I8	0	0	-	0	-
ERCOT NORTH ZMCPE 5MW OFFPEAK SWAP	I6	0	0	-	0	-
ERCOT NORTH ZMCPE 5MW PEAK	I5	0	0	-	0	-
ETHANOL	MTH	0	0	-	0	-
ETHANOL	Z1B	0	0	-	0	-
ETHANOL SWAP	MT2	833	290	187.2%	750	11.1%
ETHANOL T2 FOB ROTT INCL DUTY SWAP	Z1	7,439	5,929	25.5%	7,149	4.1%
EURO 1% FUEL OIL NEW BALM	KX	0	0	-	0	-
EURO 3.5% FUEL OIL RDAM B	KR	35	40	-12.5%	0	-
EURO 3.5% FUEL OIL SPREAD	FK	21	20	5.0%	26	-19.2%
EURO-DENOMINATED PETRO PROD	NCP	0	0	-	0	-
EURO GASOIL 10PPM VS ICE	ET	95	60	58.3%	20	375.0%
EUROPE 1% FUEL OIL NWE CA	UF	7	262	-97.3%	141	-95.0%
EUROPE 1% FUEL OIL RDAM C	UH	0	3	-100.0%	1	-100.0%
EUROPE 3.5% FUEL OIL MED	UI	45	160	-71.9%	52	-13.5%
EUROPE 3.5% FUEL OIL RDAM	UV	2,797	7,937	-64.8%	3,431	-18.5%
EUROPEAN GASOIL (ICE)	7F	214	107	100.0%	122	75.4%
EUROPEAN NAPHTHA BALMO	KZ	0	265	-100.0%	15	-100.0%
EUROPEAN NAPHTHA CRACK SPR	EN	6,052	13,984	-56.7%	6,052	0.0%
EUROPE DATED BRENT SWAP	UB	0	3,550	-100.0%	0	-
EUROPE JET KERO NWE CALSW	UJ	0	24	-100.0%	3	-100.0%
EUROPE NAPHTHA CALSWAP	UN	1,222	2,967	-58.8%	1,401	-12.8%
EURO PROPANE CIF ARA SWA	PS	2,431	2,102	15.7%	2,365	2.8%
FREIGHT MARKETS	ACB	900	0	-	900	0.0%
FREIGHT MARKETS	BF1	5	0	-	20	-75.0%
FREIGHT MARKETS	BF2	50	0	-	15	233.3%
FREIGHT MARKETS	BF3	10	0	-	10	0.0%
FREIGHT MARKETS	FLP	425	1,115	-61.9%	402	5.7%
FREIGHT MARKETS	FRC	300	70	328.6%	285	5.3%
FREIGHT MARKETS	FRS	0	0	-	0	-
FREIGHT MARKETS	T2D	835	3,160	-73.6%	705	18.4%
FREIGHT MARKETS	TC6	0	0	-	0	-
FREIGHT MARKETS	TD3	0	0	-	0	-
FREIGHT MARKETS	TD8	0	150	-100.0%	0	-
FREIGHT MARKETS	USC	90	0	-	0	-
FUEL OIL CRACK VS ICE	FO	6,064	7,765	-21.9%	6,738	-10.0%
FUEL OIL NWE CRACK VS ICE	FI	156	171	-8.8%	156	0.0%
FUEL OIL (PLATS) CAR CM	1W	0	0	-	1	-100.0%
FUEL OIL (PLATS) CAR CN	1X	0	0	-	0	-
FUELOIL SWAP:CARGOES VS.B	FS	393	802	-51.0%	451	-12.9%
GAS EURO-BOB OXY NWE BARGES	7H	2,782	7,007	-60.3%	2,627	5.9%
GAS EURO-BOB OXY NWE BARGES CRK	7K	14,843	28,885	-48.6%	16,671	-11.0%

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<b>Energy Futures</b>						
GASOIL 0.1CIF MED VS ICE	Z5	0	0	-	0	-
GASOIL 0.1 CIF NWE VS ISE	TU	0	0	-	0	-
GASOIL 0.1 RDAM BRGS VS I	WQ	0	0	-	2	-100.0%
GASOIL 0.1 ROTTERDAM BARG	VL	36	26	38.5%	26	38.5%
GASOIL 10PPM VS ICE SWAP	TP	0	21	-100.0%	1	-100.0%
GASOIL CALENDAR SWAP	GX	87	6	1,350.0%	77	13.0%
GASOIL CRACK SPREAD CALEN	GZ	10,041	14,037	-28.5%	11,927	-15.8%
GASOIL MINI CALENDAR SWAP	QA	1,921	1,246	54.2%	2,134	-10.0%
GERMAN POWER BASELOAD CAL MONTH FUT	DEB	2,085	345	504.3%	2,227	-6.4%
GROUP THREE ULSD (PLATTS)	A7	0	49	-100.0%	0	-
GROUP THREE UNLEAD GAS (P	A9	150	75	100.0%	200	-25.0%
GRP THREE ULSD(PLT)VS HEA	A6	7,213	7,769	-7.2%	5,252	37.3%
GRP THREE UNL GS (PLT) VS	A8	4,960	6,038	-17.9%	4,496	10.3%
GULF COAST 3% FUEL OIL BA	VZ	707	1,489	-52.5%	363	94.8%
GULF COAST JET FUEL CLNDR	GE	354	957	-63.0%	184	92.4%
GULF COAST JET VS NYM 2 H	ME	24,100	25,715	-6.3%	18,547	29.9%
GULF COAST NO.6 FUEL OIL	MF	16,614	32,381	-48.7%	17,250	-3.7%
GULF COAST NO.6 FUEL OIL	MG	1,692	2,433	-30.5%	1,940	-12.8%
GULF COAST ULSD CALENDAR	LY	1,463	1,638	-10.7%	1,188	23.1%
GULF COAST ULSD CRACK SPR	GY	600	585	2.6%	625	-4.0%
HEATING OIL BALMO CLNDR S	1G	50	0	-	40	25.0%
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	0	10,058	-100.0%	0	-
HENRY HUB FINANCIAL LAST	NBP	0	0	-	0	-
HENRY HUB FINANCIAL LAST	TTE	0	0	-	0	-
HENRY HUB INDEX SWAP FUTU	IN	1,712	10,120	-83.1%	4,960	-65.5%
HENRY HUB SWAP	NN	757,610	1,046,422	-27.6%	776,889	-2.5%
HOUSTON SHIP CHANNEL BASI	NH	5,576	10,797	-48.4%	5,855	-4.8%
ICE BRENT DUBAI SWAP	DB	40,337	34,045	18.5%	44,348	-9.0%
IN DELIVERY MONTH EUA	6T	0	0	-	0	-
INDIANA MISO	FAD	0	0	-	0	-
INDIANA MISO	FTD	672	2,400	-72.0%	3,000	-77.6%
INDIANA MISO	PDD	386	1,086	-64.5%	248	55.6%
INDIANA MISO	PTD	49	455	-89.2%	390	-87.4%
INDONESIAN COAL ICI4	ICI	440	175	151.4%	531	-17.1%
ISO NEW ENGLAND OFF-PEAK	KI	0	0	-	0	-
ISO NEW ENGLAND PK LMP	NI	0	0	-	0	-
JAPAN C&F NAPHTHA CRACK S	JB	0	121	-100.0%	27	-100.0%
JAPAN C&F NAPHTHA SWAP	JA	503	1,878	-73.2%	649	-22.5%
JAPAN NAPHTHA BALMO SWAP	E6	28	124	-77.4%	28	0.0%
JET AV FUEL (P) CAR FM ICE GAS SWAP	1V	0	0	-	0	-
JET CIF NWE VS ICE	JC	60	419	-85.7%	82	-26.8%
JET FUEL CRG CIF NEW VS I	6X	0	0	-	0	-
JET FUEL UP-DOWN BALMO CL	1M	2,925	4,294	-31.9%	2,146	36.3%
JKM LNG Futures	JKM	5,093	3,970	28.3%	5,383	-5.4%
LA CARB DIESEL (OPIS) SWA	KL	235	219	7.3%	1	23,400.0%
LA CARBOB GASOLINE(OPIS)S	JL	300	1,025	-70.7%	100	200.0%
LA JET (OPIS) SWAP	JS	2,377	1,999	18.9%	1,641	44.9%
LLS (ARGUS) CALENDAR SWAP	XA	266	500	-46.8%	284	-6.3%
LLS (ARGUS) VS WTI SWAP	WJ	8,362	28,536	-70.7%	10,564	-20.8%
LOS ANGELES CARB GASOLINE	MH	0	0	-	0	-
MARS (ARGUS) VS WTI SWAP	YX	4,025	5,085	-20.8%	2,310	74.2%

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MARS (ARGUS) VS WTI TRD M	YV	18,898	34,143	-44.7%	17,795	6.2%
MARS BLEND CRUDE OIL	MB	0	0	-	0	-
MCCLOSKEY ARA ARGS COAL	MTF	21,492	20,484	4.9%	20,953	2.6%
MCCLOSKEY RCH BAY COAL	MFF	2,196	2,399	-8.5%	1,916	14.6%
MGF FUT	MGF	0	40	-100.0%	0	-
MGN1 SWAP FUT	MGN	220	345	-36.2%	220	0.0%
MICHIGAN BASIS	NF	1,096	1,973	-44.5%	1,220	-10.2%
MICHIGAN MISO	HMO	0	0	-	0	-
MICHIGAN MISO	HMW	0	0	-	0	-
MINI GAS EUROBOB OXY NWE ARGS BALMO	MEB	0	452	-100.0%	90	-100.0%
MINI RBOB V. EBOBARG NWE BRGS BALMO	MXR	0	876	-100.0%	0	-
MINI RBOB V. EBOB(ARGUS) NWE BRGS	MXB	1,603	2,403	-33.3%	1,545	3.8%
MJC FUT	MJC	60	290	-79.3%	60	0.0%
MNC FUT	MNC	2,371	4,925	-51.9%	2,214	7.1%
MONT BELVIEU ETHANE 5 DECIMAL	C0	42,372	41,247	2.7%	41,638	1.8%
MONT BELVIEU ETHANE OPIS BALMO	8C	90	470	-80.9%	347	-74.1%
MONT BELVIEU LDH PROPANE 5 DECIMAL	B0	135,940	116,059	17.1%	128,609	5.7%
MONT BELVIEU LDH PROPANE OPIS BALMO	8O	3,413	4,119	-17.1%	924	269.4%
MONT BELVIEU NATURAL GASOLINE 5 DEC	7Q	19,205	18,562	3.5%	19,577	-1.9%
MONT BELVIEU NATURAL GASOLINE BALMO	R0	141	1,201	-88.3%	625	-77.4%
MONT BELVIEU NORMAL BUTANE 5 DECIMAL	D0	54,827	40,236	36.3%	52,366	4.7%
MONT BELVIEU NORMAL BUTANE BALMO	8J	1,478	1,541	-4.1%	1,212	21.9%
NAT GAS BASIS SWAP	TZ6	0	2,338	-100.0%	0	-
NATURAL GAS	XIC	0	0	-	0	-
NATURAL GAS PEN SWP	NP	121,157	143,446	-15.5%	120,039	0.9%
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	289,016	413,176	-30.1%	302,176	-4.4%
NEPOOL INTR HUB 5MW D AH	U6	14,592	24,244	-39.8%	15,292	-4.6%
NEPOOL NE MASS 5MW D AH O	P8	0	14,040	-100.0%	1,224	-100.0%
NEPOOL NE MASS 5MW D AH P	P7	0	765	-100.0%	63	-100.0%
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	1,085	1,164	-6.8%	1,199	-9.5%
NEW YORK ETHANOL SWAP	EZ	2,348	895	162.3%	2,215	6.0%
NEW YORK HUB ZONE G PEAK	GN	2,511	1,302	92.9%	2,189	14.7%
NEW YORK HUB ZONE J PEAK	JN	248	1,085	-77.1%	561	-55.8%
NGPL MID-CONTINENT	NL	1,720	14,513	-88.1%	2,340	-26.5%
NGPL TEX/OK	PD	1,320	25,610	-94.8%	1,940	-32.0%
N ILLINOIS HUB DAILY	UD	10	108	-90.7%	68	-85.3%
N ILLINOIS HUB MTHLY	UM	0	0	-	0	-
NO 2 UP-DOWN SPREAD CALEN	UT	175	100	75.0%	0	-
NORTHEN NATURAL GAS DEMAR	PE	0	428	-100.0%	0	-
NORTHEN NATURAL GAS VENTU	PF	0	1,324	-100.0%	0	-
NORTHWEST ROCKIES BASIS S	NR	790	15,246	-94.8%	914	-13.6%
N ROCKIES PIPE SWAP	XR	0	28	-100.0%	0	-
NY1% VS GC SPREAD SWAP	VR	1,120	2,885	-61.2%	1,305	-14.2%
NY 3.0% FUEL OIL (PLATTS	H1	0	285	-100.0%	0	-
NY HARBOR 1% FUEL OIL BAL	VK	0	0	-	0	-
NY HARBOR HEAT OIL SWP	MP	9,893	9,296	6.4%	7,631	29.6%
NY HARBOR LOW SULPUR GAS 1000MBBL	NLS	840	915	-8.2%	840	0.0%

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Commodity		Open Interest JAN 2020	Open Interest JAN 2019	% CHG	Open Interest DEC 2019	% CHG
<b>Energy Futures</b>						
NY HARBOR RESIDUAL FUEL 1	MM	2,512	1,933	30.0%	2,358	6.5%
NY HARBOR RESIDUAL FUEL C	ML	0	50	-100.0%	0	-
NYH NO 2 CRACK SPREAD CAL	HK	2,390	3,627	-34.1%	3,545	-32.6%
NYISO CAPACITY	LHV	257	816	-68.5%	280	-8.2%
NYISO CAPACITY	NNC	0	297	-100.0%	0	-
NYISO CAPACITY	NRS	21	343	-93.9%	28	-25.0%
NYISO J	KJ	0	0	-	0	-
NYISO J OFF-PEAK	KK	0	0	-	0	-
NYISO ZONE A 5MW D AH O P	K4	7,808	27,291	-71.4%	8,560	-8.8%
NYISO ZONE A 5MW D AH PK	K3	0	3,115	-100.0%	0	-
NYISO ZONE G 5MW D AH O P	D2	267,573	497,723	-46.2%	319,085	-16.1%
NYISO ZONE G 5MW D AH PK	T3	16,795	19,403	-13.4%	18,415	-8.8%
NYISO ZONE J 5MW D AH O P	D4	11,712	132,096	-91.1%	12,840	-8.8%
NYISO ZONE J 5MW D AH PK	D3	1,720	10,581	-83.7%	1,880	-8.5%
NYMEX ALUMINUM FUTURES	AN	0	775	-100.0%	132	-100.0%
NYMEX ULSD VS NYMEX HO	UY	0	0	-	550	-100.0%
NY ULSD (ARGUS) VS HEATING OIL	7Y	1,431	385	271.7%	1,363	5.0%
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	1,249	4,536	-72.5%	1,311	-4.7%
PANHANDLE PIPE SWAP	XH	0	0	-	0	-
PERMIAN BASIS SWAP	PM	3,015	4,626	-34.8%	3,294	-8.5%
PETROCHEMICALS	22	127	224	-43.3%	106	19.8%
PETROCHEMICALS	32	25	53	-52.8%	45	-44.4%
PETROCHEMICALS	3NA	0	55	-100.0%	4	-100.0%
PETROCHEMICALS	51	0	0	-	12	-100.0%
PETROCHEMICALS	8I	6,491	4,547	42.8%	6,054	7.2%
PETROCHEMICALS	91	846	795	6.4%	907	-6.7%
PETROCHEMICALS	MAA	0	30	-100.0%	0	-
PETROCHEMICALS	MAE	1,732	608	184.9%	1,492	16.1%
PETROCHEMICALS	MAS	444	373	19.0%	341	30.2%
PETROCHEMICALS	MBE	380	500	-24.0%	300	26.7%
PETROCHEMICALS	MNB	1,184	2,026	-41.6%	1,377	-14.0%
PETROCHEMICALS	MPS	679	464	46.3%	784	-13.4%
PETRO CRCKS & SPRDS ASIA	JNC	0	0	-	0	-
PETRO CRCKS & SPRDS ASIA	STI	0	0	-	0	-
PETRO CRCKS & SPRDS ASIA	STR	240	690	-65.2%	315	-23.8%
PETRO CRCKS & SPRDS ASIA	STS	100	120	-16.7%	141	-29.1%
PETRO CRCKS & SPRDS NA	CRB	8,307	10,405	-20.2%	6,659	24.7%
PETRO CRCKS & SPRDS NA	EXR	2,211	3,212	-31.2%	2,555	-13.5%
PETRO CRCKS & SPRDS NA	FOC	720	900	-20.0%	820	-12.2%
PETRO CRCKS & SPRDS NA	GBB	150	1,700	-91.2%	625	-76.0%
PETRO CRCKS & SPRDS NA	GCC	0	240	-100.0%	0	-
PETRO CRCKS & SPRDS NA	GCI	2,150	1,906	12.8%	2,219	-3.1%
PETRO CRCKS & SPRDS NA	GCM	0	0	-	100	-100.0%
PETRO CRCKS & SPRDS NA	GCU	9,280	19,963	-53.5%	9,886	-6.1%
PETRO CRCKS & SPRDS NA	GFC	0	0	-	0	-
PETRO CRCKS & SPRDS NA	HOB	9,659	4,662	107.2%	10,835	-10.9%
PETRO CRCKS & SPRDS NA	MFR	0	0	-	0	-
PETRO CRCKS & SPRDS NA	NFG	0	0	-	0	-
PETRO CRCKS & SPRDS NA	NYF	0	0	-	175	-100.0%



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Commodity		Open Interest JAN 2020	Open Interest JAN 2019	% CHG	Open Interest DEC 2019	% CHG
<b>Energy Futures</b>						
PETRO CRCKS & SPRDS NA	RBB	12,921	14,498	-10.9%	16,561	-22.0%
PETRO CRCKS & SPRDS NA	RVG	10,577	14,885	-28.9%	13,634	-22.4%
PETRO CRCKS & SPRDS NA	SF3	84	32	162.5%	119	-29.4%
PETRO CRK&SPRD EURO	1NB	1,745	2,791	-37.5%	935	86.6%
PETRO CRK&SPRD EURO	1ND	0	0	-	0	-
PETRO CRK&SPRD EURO	43	0	0	-	0	-
PETRO CRK&SPRD EURO	BFR	0	0	-	0	-
PETRO CRK&SPRD EURO	BOB	2,956	3,405	-13.2%	3,136	-5.7%
PETRO CRK&SPRD EURO	EOB	40	20	100.0%	35	14.3%
PETRO CRK&SPRD EURO	EPN	1,161	1,610	-27.9%	1,202	-3.4%
PETRO CRK&SPRD EURO	EVC	678	3,729	-81.8%	1,631	-58.4%
PETRO CRK&SPRD EURO	FBT	0	0	-	0	-
PETRO CRK&SPRD EURO	FVB	30	30	0.0%	30	0.0%
PETRO CRK&SPRD EURO	GCB	0	282	-100.0%	0	-
PETRO CRK&SPRD EURO	GOC	12	24	-50.0%	13	-7.7%
PETRO CRK&SPRD EURO	MGB	40	70	-42.9%	50	-20.0%
PETRO CRK&SPRD EURO	MUD	70	10	600.0%	70	0.0%
PETRO CRK&SPRD EURO	NBB	0	0	-	0	-
PETRO CRK&SPRD EURO	NOB	963	3,221	-70.1%	1,038	-7.2%
PETRO CRK&SPRD EURO	SFB	0	30	-100.0%	0	-
PETROLEUM PRODUCTS	1NM	295	0	-	145	103.4%
PETROLEUM PRODUCTS	EWG	2,815	8,087	-65.2%	2,275	23.7%
PETROLEUM PRODUCTS	H5F	5,427	0	-	5,396	0.6%
PETROLEUM PRODUCTS	JCC	1,100	0	-	700	57.1%
PETROLEUM PRODUCTS	MME	100	30	233.3%	0	-
PETROLEUM PRODUCTS	MPE	0	0	-	0	-
PETROLEUM PRODUCTS	NCC	0	0	-	10	-100.0%
PETROLEUM PRODUCTS	R5F	17	0	-	21	-19.0%
PETROLEUM PRODUCTS	S53	39	0	-	45	-13.3%
PETROLEUM PRODUCTS	UP5	1,224	0	-	1,242	-1.4%
PETROLEUM PRODUCTS	VU	23	135	-83.0%	0	-
PETROLEUM PRODUCTS ASIA	E6M	0	30	-100.0%	0	-
PETROLEUM PRODUCTS ASIA	MJN	693	2,092	-66.9%	545	27.2%
PETROLEUM PRODUCTS ASIA	MSB	0	0	-	0	-
PETRO OUTRIGHT EURO	0B	241	10	2,310.0%	293	-17.7%
PETRO OUTRIGHT EURO	0C	0	5	-100.0%	0	-
PETRO OUTRIGHT EURO	0D	1,636	3,668	-55.4%	2,031	-19.4%
PETRO OUTRIGHT EURO	0E	0	18	-100.0%	0	-
PETRO OUTRIGHT EURO	0F	429	664	-35.4%	262	63.7%
PETRO OUTRIGHT EURO	1T	0	24	-100.0%	3	-100.0%
PETRO OUTRIGHT EURO	33	0	0	-	0	-
PETRO OUTRIGHT EURO	5L	0	52	-100.0%	10	-100.0%
PETRO OUTRIGHT EURO	63	20	0	-	0	-
PETRO OUTRIGHT EURO	7I	0	177	-100.0%	0	-
PETRO OUTRIGHT EURO	7R	0	181	-100.0%	12	-100.0%
PETRO OUTRIGHT EURO	88	0	0	-	0	-
PETRO OUTRIGHT EURO	CBB	60	0	-	0	-
PETRO OUTRIGHT EURO	CGB	0	10	-100.0%	0	-
PETRO OUTRIGHT EURO	CPB	231	385	-40.0%	328	-29.6%
PETRO OUTRIGHT EURO	EFF	0	65	-100.0%	25	-100.0%
PETRO OUTRIGHT EURO	EFM	0	0	-	1	-100.0%
PETRO OUTRIGHT EURO	ENS	36	35	2.9%	46	-21.7%
PETRO OUTRIGHT EURO	EWN	73	1,078	-93.2%	207	-64.7%

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	Commodity	Open Interest JAN 2020	Open Interest JAN 2019	% CHG	Open Interest DEC 2019	% CHG
<b>Energy Futures</b>						
PETRO OUTRIGHT EURO	FLB	0	6	-100.0%	0	-
PETRO OUTRIGHT EURO	GES	0	0	-	0	-
PETRO OUTRIGHT EURO	GNO	10	0	-	0	-
PETRO OUTRIGHT EURO	H5G	1,247	0	-	1,170	6.6%
PETRO OUTRIGHT EURO	M1B	1,712	0	-	1,570	9.0%
PETRO OUTRIGHT EURO	M35	0	0	-	0	-
PETRO OUTRIGHT EURO	MBB	0	0	-	0	-
PETRO OUTRIGHT EURO	MBN	1,682	2,295	-26.7%	1,867	-9.9%
PETRO OUTRIGHT EURO	MEF	44	1,157	-96.2%	272	-83.8%
PETRO OUTRIGHT EURO	R53	115	0	-	167	-31.1%
PETRO OUTRIGHT EURO	R5M	1,073	0	-	1,027	4.5%
PETRO OUTRIGHT EURO	R5O	1,773	0	-	1,855	-4.4%
PETRO OUTRIGHT EURO	S5F	187	0	-	120	55.8%
PETRO OUTRIGHT EURO	S5M	1,686	10	16,760.0%	1,211	39.2%
PETRO OUTRIGHT EURO	S5O	793	0	-	548	44.7%
PETRO OUTRIGHT EURO	SMU	120	0	-	220	-45.5%
PETRO OUTRIGHT EURO	T0	0	9	-100.0%	3	-100.0%
PETRO OUTRIGHT EURO	T2B	0	15	-100.0%	0	-
PETRO OUTRIGHT EURO	TMB	0	0	-	0	-
PETRO OUTRIGHT EURO	ULB	15	0	-	0	-
PETRO OUTRIGHT EURO	V0	0	0	-	0	-
PETRO OUTRIGHT EURO	X0	0	0	-	0	-
PETRO OUTRIGHT NA	FCB	0	0	-	0	-
PETRO OUTRIGHT NA	FOM	0	0	-	0	-
PETRO OUTRIGHT NA	H5B	10	0	-	0	-
PETRO OUTRIGHT NA	JE	60	42	42.9%	120	-50.0%
PETRO OUTRIGHT NA	JET	1,150	2,270	-49.3%	2,050	-43.9%
PETRO OUTRIGHT NA	JTB	1,125	675	66.7%	175	542.9%
PETRO OUTRIGHT NA	MBL	285	15	1,800.0%	304	-6.2%
PETRO OUTRIGHT NA	MEN	10	199	-95.0%	105	-90.5%
PETRO OUTRIGHT NA	MEO	2,191	2,838	-22.8%	1,622	35.1%
PETRO OUTRIGHT NA	MFD	244	0	-	232	5.2%
PETRO OUTRIGHT NA	MMF	105	111	-5.4%	35	200.0%
PETRO OUTRIGHT NA	XER	0	0	-	0	-
PJM AD HUB 5MW REAL TIME	V3	110,920	218,084	-49.1%	116,800	-5.0%
PJM AD HUB 5MW REAL TIME	Z9	12,425	18,340	-32.3%	13,349	-6.9%
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	972	-73.7%	960	-73.3%
PJM DAYTON DA OFF-PEAK	R7	39,040	66,400	-41.2%	42,800	-8.8%
PJM DAYTON DA PEAK	D7	2,150	4,700	-54.3%	2,350	-8.5%
PJM NI HUB 5MW REAL TIME	B3	3,735	9,582	-61.0%	3,845	-2.9%
PJM NI HUB 5MW REAL TIME	B6	68,040	81,472	-16.5%	70,000	-2.8%
PJM NILL DA OFF-PEAK	L3	0	133,824	-100.0%	0	-
PJM NILL DA PEAK	N3	0	8,307	-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%	420	-100.0%
PJM PSEG DA OFF-PEAK	W6	0	88,335	-100.0%	10,200	-100.0%
PJM PSEG DA PEAK	L6	0	4,235	-100.0%	525	-100.0%



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Commodity		Open Interest JAN 2020	Open Interest JAN 2019	% CHG	Open Interest DEC 2019	% CHG
<b>Energy Futures</b>						
PJM WESTH DA OFF-PEAK	E4	31,468	174,316	-81.9%	39,740	-20.8%
PJM WESTHDA PEAK	J4	1,710	9,450	-81.9%	2,150	-20.5%
PJM WESTH RT OFF-PEAK	N9	433,779	890,596	-51.3%	451,419	-3.9%
PJM WESTH RT PEAK	L1	63,190	127,344	-50.4%	60,164	5.0%
PLASTICS	PGP	3,723	3,110	19.7%	3,617	2.9%
PREMIUM UNLD 10P FOB MED	3G	42	773	-94.6%	46	-8.7%
PREMIUM UNLEAD 10PPM FOB	8G	0	0	-	0	-
PREM UNL GAS 10PPM RDAM FOB BALMO	7N	0	20	-100.0%	0	-
PREM UNL GAS 10PPM RDAM FOB SWAP	7L	0	45	-100.0%	0	-
PROPANE NON-LDH MB (OPIS) BALMO SWP	1S	2,626	2,283	15.0%	855	207.1%
PROPANE NON-LDH MT. BEL (OPIS) SWP	1R	62,601	56,525	10.7%	62,395	0.3%
RBOB CALENDAR SWAP	RL	11,123	12,836	-13.3%	12,310	-9.6%
RBOB CRACK SPREAD	RM	4,080	4,301	-5.1%	5,678	-28.1%
RBOB CRACK SPREAD BALMO S	1E	0	0	-	0	-
RBOB GASOLINE BALMO CLNDR	1D	0	660	-100.0%	693	-100.0%
RBOB PHY	RBL	0	0	0.0%	0	0.0%
RBOB SPREAD (PLATTS) SWAP	RI	0	0	-	0	-
RBOB VS HEATING OIL SWAP	RH	75	0	-	75	0.0%
SAN JUAN BASIS SWAP	NJ	428	7,526	-94.3%	428	0.0%
SAN JUAN PIPE SWAP	XX	0	144	-100.0%	0	-
SINGAPORE 180CST BALMO	BS	37	10	270.0%	0	-
SINGAPORE 380CST BALMO	BT	6	20	-70.0%	5	20.0%
SINGAPORE 380CST FUEL OIL	SE	1,694	7,496	-77.4%	2,264	-25.2%
SINGAPORE FUEL 180CST CAL	UA	106	444	-76.1%	153	-30.7%
SINGAPORE FUEL OIL SPREAD	SD	160	391	-59.1%	155	3.2%
SINGAPORE GASOIL	MAF	134	3,764	-96.4%	1,474	-90.9%
SINGAPORE GASOIL	MTB	10	37	-73.0%	65	-84.6%
SINGAPORE GASOIL	MTS	1,497	8,452	-82.3%	2,203	-32.0%
SINGAPORE GASOIL	SBM	17	0	-	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	9	-100.0%	0	-
SINGAPORE GASOIL CALENDAR	MGO	0	21	-100.0%	0	-
SINGAPORE GASOIL CALENDAR	MSG	1,974	284	595.1%	1,197	64.9%
SINGAPORE GASOIL CALENDAR	SGG	0	0	-	0	-
SINGAPORE GASOIL SWAP	SG	1,922	4,557	-57.8%	1,943	-1.1%
SINGAPORE GASOIL VS ICE	GA	5,916	28,358	-79.1%	6,438	-8.1%
SINGAPORE JET KERO BALMO	BX	0	0	-	0	-
SINGAPORE JET KERO GASOIL	RK	0	7,955	-100.0%	450	-100.0%
SINGAPORE JET KEROSENE SW	KS	2,156	2,515	-14.3%	1,996	8.0%
SINGAPORE JET KERO VS. GASOIL BALMO	Z0	0	0	-	0	-
SINGAPORE MOGAS 92 UNLEADED BALMO	1P	0	100	-100.0%	0	-
SINGAPORE MOGAS 92 UNLEADED SWP	1N	9,143	12,628	-27.6%	8,468	8.0%
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	300	2,326	-87.1%	455	-34.1%
TC2 ROTTERDAM TO USAC 37K	TM	225	230	-2.2%	225	0.0%
TC5 RAS TANURA TO YOKOHAM	TH	1,360	1,080	25.9%	1,385	-1.8%
TCO BASIS SWAP	TC	1,096	4,622	-76.3%	1,220	-10.2%
TD3 MEG TO JAPAN 250K MT	TL	10,152	10,386	-2.3%	9,122	11.3%
TENNESSEE ZONE 0 BASIS SW	NQ	0	0	-	0	-

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	Commodity	Open Interest JAN 2020	Open Interest JAN 2019	% CHG	Open Interest DEC 2019	% CHG
Energy Futures						
Tetco STX Basis	TX	0	0	-	0	-
TEXAS EASTERN ZONE M-3 BA	NX	790	2,054	-61.5%	914	-13.6%
TEXAS GAS ZONE1 NG BASIS	9F	0	0	-	0	-
Transco Zone 3 Basis	CZ	0	0	-	0	-
TRANSCO ZONE4 BASIS SWAP	TR	1,407	3,032	-53.6%	1,539	-8.6%
TRANSCO ZONE 6 BASIS SWAP	NZ	0	118	-100.0%	0	-
UCM FUT	UCM	0	20	-100.0%	0	-
UK NBP NAT GAS CAL MTH FUT	UKG	571	115	396.5%	566	0.9%
ULSD 10PPM CIF MED VS ICE	Z7	0	0	-	0	-
ULSD UP-DOWN BALMO SWP	1L	11,035	7,640	44.4%	9,100	21.3%
UP DOWN GC ULSD VS NMX HO	LT	44,634	43,000	3.8%	45,534	-2.0%
WAHA BASIS	NW	618	2,338	-73.6%	685	-9.8%
WESTERN RAIL DELIVERY PRB	QP	0	0	-	0	-
WTI-BRENT BULLET SWAP	BY	453	5,229	-91.3%	470	-3.6%
WTI-BRENT CALENDAR SWAP	BK	166,982	134,649	24.0%	173,688	-3.9%
WTI CALENDAR	CS	178,427	159,132	12.1%	187,390	-4.8%
WTS (ARGUS) VS WTI SWAP	FF	80,961	54,365	48.9%	68,238	18.6%
WTS (ARGUS) VS WTI TRD MT	FH	3,383	5,528	-38.8%	3,437	-1.6%
Energy Options						
BRENT 1 MONTH CAL	AA	0	0	-	0	-
BRENT CALENDAR SWAP	BA	7,437	6,985	6.5%	9,146	-18.7%
BRENT CRUDE OIL 12 M CSO	9Y	0	0	-	0	-
BRENT CRUDE OIL 1 M CSO	9C	300	33,000	-99.1%	500	-40.0%
BRENT CRUDE OIL 6 M CSO	9L	0	0	-	0	-
BRENT OIL LAST DAY	BE	18,570	85,517	-78.3%	15,070	23.2%
BRENT OIL LAST DAY	BZO	90,192	150,767	-40.2%	83,260	8.3%
BRENT OIL LAST DAY	OS	0	50	-100.0%	0	-
COAL API2 INDEX	CLA	0	145	-100.0%	0	-
COAL API2 INDEX	CQA	0	275	-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	0	-	0	0.0%
CRUDE OIL 1MO	WA	380,450	562,250	-32.3%	310,050	22.7%
CRUDE OIL APO	AO	389,404	292,607	33.1%	391,793	-0.6%
CRUDE OIL CALNDR STRIP	6F	0	0	-	0	-
CRUDE OIL OUTRIGHTS	AH	0	0	-	0	-
CRUDE OIL OUTRIGHTS	WCI	0	955	-100.0%	0	-
CRUDE OIL PHY	CD	0	0	-	0	-
CRUDE OIL PHY	LC	40,663	52,022	-21.8%	52,193	-22.1%
CRUDE OIL PHY	LO	2,090,481	2,735,073	-23.6%	1,725,407	21.2%
CRUDE OIL PHY	LO1	6,730	7,769	-13.4%	7,505	-10.3%
CRUDE OIL PHY	LO2	0	1,304	-100.0%	3,261	-100.0%
CRUDE OIL PHY	LO3	2,007	28	7,067.9%	911	120.3%
CRUDE OIL PHY	LO4	155	8	1,837.5%	1	15,400.0%
CRUDE OIL PHY	LO5	0	0	-	0	-
ETHANOL	CE1	0	0	-	0	-
ETHANOL	CE3	0	0	-	0	-
ETHANOL SWAP	CVR	7,654	9,257	-17.3%	9,460	-19.1%
ETHANOL SWAP	GVR	600	2,400	-75.0%	300	100.0%
FREIGHT MARKETS	TDT	0	0	-	0	0.0%

## NYMEX/COMEX Exchange Open Interest Report - Monthly

Commodity		Open Interest JAN 2020	Open Interest JAN 2019	% CHG	Open Interest DEC 2019	% CHG
<b>Energy Options</b>						
HEATING OIL PHY	LB	869	1,086	-20.0%	404	115.1%
HEATING OIL PHY	OH	31,018	60,318	-48.6%	21,848	42.0%
HENRY HUB FINANCIAL LAST	E7	20,076	8,503	136.1%	11,381	76.4%
HO 1 MONTH CLNDR OPTIONS	FA	300	1,550	-80.6%	350	-14.3%
LLS CRUDE OIL	WJO	0	0	-	0	-
LLS CRUDE OIL	YVO	0	0	-	0	-
MCCLOSKEY ARA ARGS COAL	MTO	375	130	188.5%	375	0.0%
MCCLOSKEY RCH BAY COAL	MFO	0	0	-	0	-
NATURAL GAS 1 M CSO FIN	G4	291,159	99,839	191.6%	271,909	7.1%
NATURAL GAS 2 M CSO FIN	G2	1,500	0	-	0	-
NATURAL GAS 3 M CSO FIN	G3	40,800	0	-	23,250	75.5%
NATURAL GAS 5 M CSO FIN	G5	900	0	-	3,900	-76.9%
NATURAL GAS 6 M CSO FIN	G6	69,550	19,125	263.7%	60,000	15.9%
NATURAL GAS OPTION ON CALENDAR STRP	6J	9,804	4,284	128.9%	9,224	6.3%
NATURAL GAS PHY	KD	0	0	0.0%	0	0.0%
NATURAL GAS PHY	LN	2,053,926	1,843,721	11.4%	1,793,209	14.5%
NATURAL GAS PHY	ON	103,600	114,540	-9.6%	115,620	-10.4%
NATURAL GAS WINTER STRIP	6I	600	0	-	0	-
N ROCKIES PIPE SWAP	ZR	1,682	1,610	4.5%	3,356	-49.9%
NY HARBOR HEAT OIL SWP	AT	13,073	15,838	-17.5%	7,401	76.6%
NYISO ZONE G 5MW PEAK OPTIONS	9U	0	0	-	0	-
PANHANDLE PIPE SWAP	PU	0	0	-	0	-
PETROCHEMICALS	4H	535	3,426	-84.4%	1,362	-60.7%
PETROCHEMICALS	4J	30	900	-96.7%	75	-60.0%
PETROCHEMICALS	4K	170	470	-63.8%	240	-29.2%
PETROCHEMICALS	CPR	10	0	-	15	-33.3%
PETRO OUTRIGHT EURO	8H	0	0	-	0	-
PETRO OUTRIGHT EURO	BCO	24	24	0.0%	24	0.0%
PETRO OUTRIGHT NA	DAP	760	792	-4.0%	646	17.6%
PJM WES HUB PEAK CAL MTH	6OA	1,300	660	97.0%	1,040	25.0%
PJM WES HUB PEAK CAL MTH	JOA	0	0	-	0	-
PJM WES HUB PEAK LMP 50MW	PMA	512	1,507	-66.0%	512	0.0%
RBOB 1MO CAL SPD OPTIONS	ZA	0	100	-100.0%	0	-
RBOB CALENDAR SWAP	RA	205	210	-2.4%	255	-19.6%
RBOB CRACK	RX	0	2	-100.0%	0	-
RBOB PHY	OB	7,238	9,637	-24.9%	6,057	19.5%
RBOB PHY	RF	0	0	-	0	-
ROTTERDAM 3.5%FUEL OIL CL	Q6	0	0	-	0	-
SAN JUAN PIPE SWAP	PJ	1,276	1,088	17.3%	2,640	-51.7%
SHORT TERM	C15	0	0	-	0	-
SHORT TERM	U11	0	0	-	0	-
SHORT TERM	U12	0	0	-	0	-
SHORT TERM	U13	0	0	-	0	-
SHORT TERM	U14	0	0	-	0	-
SHORT TERM	U15	0	0	-	0	-
SHORT TERM	U22	0	0	-	0	-
SHORT TERM	U23	0	0	-	0	-
SHORT TERM	U24	0	0	-	0	-
SHORT TERM	U25	0	0	-	0	-
SHORT TERM	U26	0	0	-	0	-
SHORT TERM NATURAL GAS	U01	0	500	-100.0%	0	-
SHORT TERM NATURAL GAS	U02	0	0	-	0	-
SHORT TERM NATURAL GAS	U03	0	0	-	0	-

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Commodity	Open Interest JAN 2020	Open Interest JAN 2019	% CHG	Open Interest DEC 2019	% CHG
<b>Energy Options</b>					
SHORT TERM NATURAL GAS U04	0	0	-	0	-
SHORT TERM NATURAL GAS U05	0	0	-	0	-
SHORT TERM NATURAL GAS U06	0	0	-	0	-
SHORT TERM NATURAL GAS U07	0	0	-	0	-
SHORT TERM NATURAL GAS U08	0	0	-	0	-
SHORT TERM NATURAL GAS U09	0	0	-	0	-
SHORT TERM NATURAL GAS U10	0	0	-	0	-
SHORT TERM NATURAL GAS U16	0	0	-	0	-
SHORT TERM NATURAL GAS U17	0	0	-	0	-
SHORT TERM NATURAL GAS U18	0	0	-	0	-
SHORT TERM NATURAL GAS U19	0	0	-	0	-
SHORT TERM NATURAL GAS U20	0	0	-	0	-
SHORT TERM NATURAL GAS U21	0	0	-	0	-
SHORT TERM NATURAL GAS U27	0	0	-	0	-
SHORT TERM NATURAL GAS U28	0	0	-	0	-
SHORT TERM NATURAL GAS U29	0	0	-	0	-
SHORT TERM NATURAL GAS U30	0	0	-	0	0.0%
SHORT TERM NATURAL GAS U31	0	0	0.0%	0	-
SINGAPORE GASOIL CALENDAR M2	0	0	-	0	-
SINGAPORE JET FUEL CALEND N2	0	0	-	0	-
WTI-BRENT BULLET SWAP BV	120,125	131,720	-8.8%	115,875	3.7%
WTI CRUDE OIL 1 M CSO FI 7A	156,010	154,300	1.1%	96,500	61.7%
<b>Metals Futures</b>					
COMEX GOLD GC	678,817	478,787	41.8%	786,422	-13.7%
NYMEX HOT ROLLED STEEL HR	17,946	21,063	-14.8%	14,858	20.8%
NYMEX PLATINUM PL	102,290	81,628	25.3%	99,045	3.3%
PALLADIUM PA	23,389	27,959	-16.3%	23,658	-1.1%
URANIUM UX	1,811	4,081	-55.6%	2,410	-24.9%
COMEX SILVER SI	229,312	203,570	12.6%	229,725	-0.2%
COMEX E-Mini GOLD QO	2,506	463	441.3%	2,670	-6.1%
COMEX E-Mini SILVER QI	370	231	60.2%	373	-0.8%
COMEX COPPER HG	261,486	257,296	1.6%	266,891	-2.0%
COMEX MINY COPPER QC	141	42	235.7%	122	15.6%
ALUMINUM A38	0	110	-100.0%	8	-100.0%
ALUMINUM AEP	17,093	13,643	25.3%	16,081	6.3%
ALUMINUM ALA	770	720	6.9%	820	-6.1%
ALUMINUM ALI	530	0	-	267	98.5%
ALUMINUM AUP	28,155	32,166	-12.5%	27,985	0.6%
ALUMINUM CUP	350	0	-	300	16.7%
ALUMINUM EDP	11,745	10,561	11.2%	12,754	-7.9%
ALUMINUM MJP	5,420	6,597	-17.8%	4,420	22.6%
COPPER HGS	12,266	12,922	-5.1%	11,356	8.0%
FERROUS PRODUCTS BUS	1,810	3,914	-53.8%	1,942	-6.8%
GOLD SGC	67	0	-	114	-41.2%
GOLD SGU	153	0	-	234	-34.6%
Gold Kilo GCK	0	0	-	0	-
IRON ORE 62 CHINA PLATTS FUTURES PIO	0	0	-	0	-
IRON ORE 62 CHINA TSI FUTURES TIO	4,442	10,292	-56.8%	4,565	-2.7%
LNDN ZINC ZNC	0	22	-100.0%	0	-
MICRO GOLD MGC	27,047	10,769	151.2%	25,779	4.9%
SILVER SIL	2,930	1,589	84.4%	2,300	27.4%



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	Commodity	Open Interest JAN 2020	Open Interest JAN 2019	% CHG	Open Interest DEC 2019	% CHG
Metals Options						
ALUMINUM	ALO	150	0	-	0	-
COMEX COPPER	HX	52,053	34,273	51.9%	26,511	96.3%
COMEX GOLD	OG	1,364,329	1,211,521	12.6%	1,259,675	8.3%
COMEX SILVER	SO	143,166	253,274	-43.5%	130,541	9.7%
COPPER	H1E	555	6	9,150.0%	12	4,525.0%
COPPER	H2E	113	6	1,783.3%	10	1,030.0%
COPPER	H3E	6	0	-	0	-
COPPER	H4E	0	0	-	0	-
COPPER	H5E	0	0	-	0	-
GOLD	OG1	15,365	4,734	224.6%	14,554	5.6%
GOLD	OG2	7,424	3,985	86.3%	8,483	-12.5%
GOLD	OG3	3,174	1,296	144.9%	3,829	-17.1%
GOLD	OG4	0	55	-100.0%	456	-100.0%
GOLD	OG5	0	0	-	0	-
HOT ROLLED COIL STEEL CALL OPTION	HRO	150	250	-40.0%	150	0.0%
HOT ROLLED COIL STEEL PUT OPTION	HRO	150	0	-	150	0.0%
IRON ORE 62 CHINA TSI CALL OPTION	ICT	60	240	-75.0%	420	-85.7%
IRON ORE 62 CHINA TSI PUT OPTION	ICT	1,030	60	1,616.7%	235	338.3%
NYMEX PLATINUM	PO	9,905	6,358	55.8%	5,905	67.7%
PALLADIUM	PAO	3,636	1,442	152.1%	1,691	115.0%
SILVER	SO1	1,639	923	77.6%	1,886	-13.1%
SILVER	SO2	363	153	137.3%	739	-50.9%
SILVER	SO3	161	149	8.1%	119	35.3%
SILVER	SO4	0	0	-	0	-
SILVER	SO5	0	0	-	0	-
TOTAL FUTURES GROUP						
Ag Products	Futures	0	0	-	1	-100.0%
Energy	Futures	9,257,385	11,433,385	-19.0%	9,110,203	1.6%
Metals	Futures	1,430,846	1,178,425	21.4%	1,535,099	-6.8%
TOTAL FUTURES		10,688,231	12,611,810	-15.3%	10,645,303	0.4%



## NYMEX/COMEX Exchange Open Interest Report - Monthly

	Commodity	Open Interest JAN 2020	Open Interest JAN 2019	% CHG	Open Interest DEC 2019	% CHG
<b>TOTAL OPTIONS GROUP</b>						
	Energy Options	5,962,070	6,416,292	-7.1%	5,156,325	15.6%
	Metals Options	1,603,429	1,518,725	5.6%	1,455,366	10.2%
	<b>TOTAL OPTIONS</b>	<b>7,565,499</b>	<b>7,935,017</b>	<b>-4.7%</b>	<b>6,611,691</b>	<b>14.4%</b>
<b>TOTAL COMBINED</b>						
	Ag Products	0	0	-	1	-100.0%
	Energy	15,219,455	17,849,677	-14.7%	14,266,528	6.7%
	Metals	3,034,275	2,697,150	12.5%	2,990,465	1.5%
	<b>GRAND TOTAL</b>	<b>18,253,730</b>	<b>20,546,827</b>	<b>-11.2%</b>	<b>17,256,994</b>	<b>5.8%</b>