



## NYMEX/COMEX Exchange Open Interest Report - Monthly

Commodity	Open Interest SEP 2019	Open Interest SEP 2018	% CHG	Open Interest AUG 2019	% CHG	
<b>Ag Products Futures</b>						
COCOA TAS	CJ	0	0	-	0	-
COFFEE	KT	0	0	-	0	-
COTTON	TT	3	1	200.0%	3	0.0%
SUGAR 11	YO	0	0	-	0	-
<b>Energy Futures</b>						
CRUDE OIL PHY	CL	2,071,478	2,255,749	-8.2%	2,063,053	0.4%
CRUDE OIL	WS	286	572	-50.0%	286	0.0%
MINY WTI CRUDE OIL	QM	5,553	4,093	35.7%	3,958	40.3%
BRENT OIL LAST DAY	BZ	231,023	200,540	15.2%	231,351	-0.1%
HEATING OIL PHY	HO	404,784	416,824	-2.9%	410,542	-1.4%
HTG OIL	BH	146	182	-19.8%	159	-8.2%
MINY HTG OIL	QH	0	0	-	1	-100.0%
RBOB PHY	RB	336,809	419,158	-19.6%	383,571	-12.2%
MINY RBOB GAS	QU	0	0	0.0%	1	-100.0%
NATURAL GAS	HP	87,874	80,269	9.5%	82,965	5.9%
LTD NAT GAS	HH	305,810	463,929	-34.1%	321,070	-4.8%
MINY NATURAL GAS	QG	3,961	2,024	95.7%	3,967	-0.2%
PJM MONTHLY	JM	160	880	-81.8%	200	-20.0%
NATURAL GAS PHY	NG	1,148,234	1,623,201	-29.3%	1,315,574	-12.7%
RBOB GAS	RT	88	98	-10.2%	96	-8.3%
3.5% FUEL OIL CID MED SWA	7D	35	158	-77.8%	39	-10.3%
3.5% FUEL OIL CIF BALMO S	8D	0	0	-	0	-
AEP-DAYTON HUB DAILY	VD	38	68	-44.1%	38	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	518	-100.0%	0	-
ARGUS LLS VS. WTI (ARG) T	E5	19,005	37,984	-50.0%	21,794	-12.8%
ARGUS PROPAN FAR EST INDE	7E	5,500	5,688	-3.3%	5,534	-0.6%
ARGUS PROPAN(SAUDI ARAMCO)	9N	2,079	3,008	-30.9%	2,174	-4.4%
AUSTRIALIAN COKE COAL	ACT	0	0	-	0	-
AUSTRIALIAN COKE COAL	ALW	16	144	-88.9%	20	-20.0%
BRENT BALMO SWAP	J9	448	100	348.0%	362	23.8%
BRENT CALENDAR SWAP	CY	24,505	18,565	32.0%	30,104	-18.6%
BRENT CFD SWAP	6W	0	0	-	0	-
BRENT FINANCIAL FUTURES	BB	158	5,322	-97.0%	158	0.0%
BRENT FINANCIAL FUTURES	MBC	517	0	-	449	15.1%
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%
CAISO SP15 EZGNHUB5 MW P	9X	0	0	-	0	-
CAISO SP15 EZGNHUB5 PEAK	9Z	0	0	-	0	-
CANADIAN LIGHT SWEET OIL	CIL	0	14	-100.0%	0	-
CENTERPOINT BASIS SWAP	PW	249	4,005	-93.8%	359	-30.6%
CHICAGO ETHANOL SWAP	CU	44,474	55,220	-19.5%	44,788	-0.7%
CHICAGO ULSD (PLATTS) SWA	4C	0	0	-	0	-
CHICAGO ULSD PL VS HO SPR	5C	2,921	1,675	74.4%	2,929	-0.3%
CHICAGO UNL GAS PL VS RBO	3C	300	225	33.3%	312	-3.8%



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<b>Energy Futures</b>					
CIG BASIS	1,668	10,588	-84.2%	2,220	-24.9%
CIG ROCKIES NG INDEX SWA	0	0	-	0	-
CINERGY HUB OFF-PEAK MONT	0	40	-100.0%	0	-
CINERGY HUB PEAK MONTH	0	96	-100.0%	0	-
CIN HUB 5MW D AH O PK	0	28,280	-100.0%	0	-
CIN HUB 5MW D AH PK	634	4,348	-85.4%	698	-9.2%
CIN HUB 5MW REAL TIME O P	62,304	232,584	-73.2%	72,304	-13.8%
CIN HUB 5MW REAL TIME PK	5,959	23,686	-74.8%	7,259	-17.9%
COAL SWAP	0	40	-100.0%	0	-
COAL SWAP	0	0	-	0	-
COLUMB GULF MAINLINE NG B	736	1,005	-26.8%	790	-6.8%
COLUMBIA GULF ONSHORE	0	0	-	0	-
CONWAY NATURAL GASOLINE (OPIS) SWAP	1,562	840	86.0%	1,277	22.3%
CONWAY NORMAL BUTANE (OPIS) SWAP	1,502	1,714	-12.4%	1,269	18.4%
CONWAY PROPANE 5 DECIMALS SWAP	25,110	25,538	-1.7%	25,834	-2.8%
CRUDE OIL	20,135	23,380	-13.9%	19,710	2.2%
CRUDE OIL OUTRIGHTS	514	367	40.1%	50	928.0%
CRUDE OIL OUTRIGHTS	1,568	90	1,642.2%	1,562	0.4%
CRUDE OIL OUTRIGHTS	0	0	-	0	-
CRUDE OIL OUTRIGHTS	0	0	-	0	-
CRUDE OIL OUTRIGHTS	1,121	2,280	-50.8%	1,682	-33.4%
CRUDE OIL OUTRIGHTS	400	0	-	400	0.0%
CRUDE OIL OUTRIGHTS	0	0	-	0	-
CRUDE OIL OUTRIGHTS	115	0	-	138	-16.7%
CRUDE OIL OUTRIGHTS	148,379	134,810	10.1%	148,767	-0.3%
CRUDE OIL OUTRIGHTS	924	350	164.0%	1,125	-17.9%
CRUDE OIL OUTRIGHTS	0	0	-	0	-
CRUDE OIL OUTRIGHTS	0	0	-	0	-
CRUDE OIL OUTRIGHTS	0	320	-100.0%	0	-
CRUDE OIL OUTRIGHTS	9,181	12,510	-26.6%	10,347	-11.3%
CRUDE OIL PHY	0	0	0.0%	0	0.0%
CRUDE OIL PHY	652	0	-	866	-24.7%
CRUDE OIL SPRDS	0	820	-100.0%	0	-
CRUDE OIL SPRDS	720	0	-	720	0.0%
CRUDE OIL SPRDS	130,135	161,046	-19.2%	130,603	-0.4%
CRUDE OIL TRADE AT MARKER SINGAPORE	0	0	0.0%	0	0.0%
DAILY PJM	2,112	4,320	-51.1%	2,640	-20.0%
DAILY PJM	15,312	16,384	-6.5%	16,896	-9.4%
DAILY PJM	1,824	19,296	-90.5%	2,280	-20.0%
DAILY PJM	280	700	-60.0%	250	12.0%
DAILY PJM	2,320	4,096	-43.4%	2,560	-9.4%
DAILY PJM	15,776	24,200	-34.8%	17,408	-9.4%
DAILY PJM	1,092	1,535	-28.9%	975	12.0%
DAILY PJM	14,848	24,064	-38.3%	16,384	-9.4%
DAILY PJM	896	1,316	-31.9%	800	12.0%
DAILY PJM	4,992	24,480	-79.6%	15,480	-67.8%
DAILY PJM	928	7,168	-87.1%	1,024	-9.4%
DAILY PJM	24,592	29,184	-15.7%	27,136	-9.4%
DAILY PJM	13,920	12,800	8.7%	15,360	-9.4%
DATED BRENT (PLATTS) DAILY SWAP	0	0	-	0	-
DATED TO FRONTLINE BRENT	895	3,840	-76.7%	945	-5.3%
DIESEL 10P BRG FOB RDM VS	0	0	-	0	-

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<b>Energy Futures</b>						
DIESEL 10PPM BARGES FOB B	U7	0	0	-	0	-
DOMINION TRAN INC - APP I	IH	0	976	-100.0%	0	-
DOMINION TRANSMISSION INC	PG	4,982	16,035	-68.9%	5,582	-10.7%
DUBAI CRUDE OIL BALMO	BI	0	0	-	0	-
DUBAI CRUDE OIL CALENDAR	DC	1,639	20,310	-91.9%	1,965	-16.6%
DUTCH TTF NATURAL GAS CAL MONTH FUT	TTF	4,068	141	2,785.1%	3,312	22.8%
DY EURO 3.5% FUEL OI RDA	FOR	0	0	-	0	-
EASTERN RAIL DELIVERY CSX	QX	0	60	-100.0%	0	-
EAST/WEST FUEL OIL SPREAD	EW	19	107	-82.2%	33	-42.4%
EIA FLAT TAX ONHWAY DIESE	A5	1,688	1,927	-12.4%	1,687	0.1%
ELEC ERCOT DLY OFF PK	I4	0	0	-	0	-
ELEC ERCOT DLY PEAK	I3	0	0	-	0	-
ELEC ERCOT DLY PEAK	I7	0	300	-100.0%	0	-
ELEC ERCOT OFF PEAK	I2	0	0	-	0	-
ELEC FINSETTLED	47	682	1,190	-42.7%	726	-6.1%
ELEC FINSETTLED	49	0	0	-	0	-
ELEC MISO PEAK	4L	0	1,245	-100.0%	0	-
ELEC MISO PEAK	55	0	0	-	0	-
ELEC NYISO OFF-PEAK	4M	0	24,015	-100.0%	0	-
ELEC NYISO OFF-PEAK	58	0	0	-	0	-
ELECTRICITY ERCOT PEAK	ERE	0	0	-	0	-
ELECTRICITY OFF PEAK	46	12,514	21,906	-42.9%	13,298	-5.9%
ELECTRICITY OFF PEAK	4P	31,700	0	-	39,540	-19.8%
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	0	-	0	-
ERCOT NORTH ZMCPE 5MW OFFPEAK	I8	0	10,080	-100.0%	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	400	170	135.3%	240	66.7%
ETHANOL T2 FOB ROTT INCL DUTY SWAP	Z1	5,152	4,391	17.3%	5,270	-2.2%
EURO 1% FUEL OIL NEW BALM	KX	0	8	-100.0%	0	-
EURO 3.5% FUEL OIL RDAM B	KR	156	110	41.8%	11	1,318.2%
EURO 3.5% FUEL OIL SPREAD	FK	17	162	-89.5%	22	-22.7%
EURO-DENOMINATED PETRO PROD	NCP	0	96	-100.0%	0	-
EURO GASOIL 10PPM VS ICE	ET	0	176	-100.0%	0	-
EUROPE 1% FUEL OIL NWE CA	UF	333	142	134.5%	310	7.4%
EUROPE 1% FUEL OIL RDAM C	UH	3	3	0.0%	3	0.0%
EUROPE 3.5% FUEL OIL MED	UI	48	166	-71.1%	52	-7.7%
EUROPE 3.5% FUEL OIL RDAM	UV	4,777	10,904	-56.2%	4,975	-4.0%
EUROPEAN GASOIL (ICE)	7F	122	212	-42.5%	68	79.4%
EUROPEAN NAPHTHA BALMO	KZ	55	119	-53.8%	8	587.5%
EUROPEAN NAPHTHA CRACK SPR	EN	8,853	16,438	-46.1%	9,498	-6.8%
EUROPE DATED BRENT SWAP	UB	75	1,090	-93.1%	525	-85.7%
EUROPE JET KERO NWE CALSW	UJ	15	36	-58.3%	16	-6.2%
EUROPE NAPHTHA CALSWAP	UN	1,768	3,327	-46.9%	2,036	-13.2%
EURO PROPANE CIF ARA SWA	PS	2,618	1,613	62.3%	2,547	2.8%
FLORIDA GAS ZONE3 BASIS S	FP	0	0	-	0	-
FREIGHT MARKETS	ACB	420	0	-	420	0.0%

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<b>Energy Futures</b>					
FREIGHT MARKETS	829	910	-8.9%	981	-15.5%
FREIGHT MARKETS	570	275	107.3%	565	0.9%
FREIGHT MARKETS	10	0	-	20	-50.0%
FREIGHT MARKETS	1,035	1,240	-16.5%	1,460	-29.1%
FREIGHT MARKETS	0	0	-	0	-
FREIGHT MARKETS	0	30	-100.0%	70	-100.0%
FREIGHT MARKETS	0	0	-	0	-
FREIGHT MARKETS	210	0	-	160	31.3%
FUEL OIL CRACK VS ICE	8,806	11,110	-20.7%	9,093	-3.2%
FUEL OIL NWE CRACK VS ICE	156	171	-8.8%	156	0.0%
FUEL OIL (PLATS) CAR CM	4	56	-92.9%	5	-20.0%
FUEL OIL (PLATS) CAR CN	0	85	-100.0%	0	-
FUELOIL SWAP:CARGOES VS.B	553	783	-29.4%	675	-18.1%
GAS EURO-BOB OXY NWE BARGES	4,267	6,873	-37.9%	4,720	-9.6%
GAS EURO-BOB OXY NWE BARGES CRK	22,908	32,221	-28.9%	24,131	-5.1%
GASOIL 0.1 CIF MED SWAP	0	0	-	0	-
GASOIL 0.1CIF MED VS ICE	0	0	-	0	-
GASOIL 0.1 CIF NWE VS ISE	0	0	-	0	-
GASOIL 0.1 CIF VS ICE GAS	0	0	-	0	-
GASOIL 0.1 RDAM BRGS VS I	6	63	-90.5%	6	0.0%
GASOIL 0.1 ROTTERDAM BARG	42	105	-60.0%	14	200.0%
GASOIL 10P CRG CIF NW VS	0	0	-	0	-
GASOIL 10PPM VS ICE SWAP	11	191	-94.2%	17	-35.3%
GASOIL BULLET SWAP	0	0	-	0	-
GASOIL CALENDAR SWAP	67	17	294.1%	65	3.1%
GASOIL CRACK SPREAD CALEN	11,789	19,005	-38.0%	11,854	-0.5%
GASOIL MINI CALENDAR SWAP	1,300	805	61.5%	1,020	27.5%
GERMAN POWER BASELOAD CAL MONTH FUT	1,440	61	2,260.7%	1,410	2.1%
GROUP THREE ULSD (PLATTS)	13	91	-85.7%	20	-35.0%
GROUP THREE UNLEAD GAS (P	300	275	9.1%	300	0.0%
GRP THREE ULSD(PLT)VS HEA	10,353	8,411	23.1%	9,519	8.8%
GRP THREE UNL GS (PLT) VS	2,945	4,883	-39.7%	2,687	9.6%
GULF COAST 3% FUEL OIL BA	1,989	236	742.8%	623	219.3%
GULF COAST JET FUEL CLNDR	197	932	-78.9%	328	-39.9%
GULF COAST JET VS NYM 2 H	28,697	37,429	-23.3%	30,980	-7.4%
GULF COAST NO.6 FUEL OIL	18,033	41,828	-56.9%	19,199	-6.1%
GULF COAST NO.6 FUEL OIL	841	6,068	-86.1%	851	-1.2%
GULF COAST ULSD CALENDAR	1,641	1,887	-13.0%	1,561	5.1%
GULF COAST ULSD CRACK SPR	700	595	17.6%	365	91.8%
HEATING OIL BALMO CLNDR S	0	20	-100.0%	0	-
HEATING OIL CRCK SPRD BAL	0	0	-	0	-
HEATING OIL PHY	0	0	0.0%	0	0.0%
HENRY HUB BASIS SWAP	4,641	8,614	-46.1%	2,867	61.9%
HENRY HUB FINANCIAL LAST	0	0	0.0%	0	-
HENRY HUB FINANCIAL LAST	0	9	-100.0%	0	-
HENRY HUB INDEX SWAP FUTU	6,051	8,486	-28.7%	4,262	42.0%
HENRY HUB SWAP	847,049	1,093,565	-22.5%	876,358	-3.3%
HOUSTON SHIP CHANNEL BASI	7,419	12,797	-42.0%	7,929	-6.4%
HUSTN SHIP CHNL PIPE SWP	0	0	-	0	-
ICE BRENT DUBAI SWAP	44,981	43,140	4.3%	42,275	6.4%
ICE GASOIL BALMO SWAP	0	0	-	0	-
IN DELIVERY MONTH EUA	0	3,698	-100.0%	0	-
INDIANA MISO	0	18,200	-100.0%	0	-

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INDIANA MISO	FTD	2,400	10,080	-76.2%	3,000	-20.0%
INDIANA MISO	FTM	0	0	-	0	-
INDIANA MISO	PDD	277	2,283	-87.9%	242	14.5%
INDIANA MISO	PTD	390	581	-32.9%	455	-14.3%
INDONESIAN COAL	MCC	0	0	-	0	-
INDONESIAN COAL ICI4	ICI	833	295	182.4%	878	-5.1%
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	81	202	-59.9%	81	0.0%
JAPAN C&F NAPHTHA SWAP	JA	1,213	2,602	-53.4%	1,347	-9.9%
JAPAN NAPHTHA BALMO SWAP	E6	5	28	-82.1%	39	-87.2%
JET AV FUEL (P) CAR FM ICE GAS SWAP	1V	0	8	-100.0%	0	-
JET CIF NWE VS ICE	JC	313	436	-28.2%	206	51.9%
JET FUEL BRG FOB RDM VS I	9Q	0	0	-	0	-
JET FUEL CRG CIF NEW VS I	6X	132	0	-	0	-
JET FUEL UP-DOWN BALMO CL	1M	3,090	4,410	-29.9%	2,575	20.0%
JKM LNG Futures	JKM	6,175	2,975	107.6%	6,677	-7.5%
LA CARB DIESEL (OPIS)	LX	0	0	-	0	-
LA CARB DIESEL (OPIS) SWA	KL	63	695	-90.9%	74	-14.9%
LA CARBOB GASOLINE(OPIS)S	JL	200	100	100.0%	375	-46.7%
LA JET FUEL VS NYM NO 2 H	MQ	0	0	-	0	-
LA JET (OPIS) SWAP	JS	1,569	1,758	-10.8%	1,704	-7.9%
LLS (ARGUS) CALENDAR SWAP	XA	341	585	-41.7%	360	-5.3%
LLS (ARGUS) VS WTI SWAP	WJ	14,049	33,977	-58.7%	15,598	-9.9%
LOS ANGELES CARB GASOLINE	MH	0	0	-	0	-
MARS (ARGUS) VS WTI SWAP	YX	2,615	6,500	-59.8%	4,415	-40.8%
MARS (ARGUS) VS WTI TRD M	YV	23,022	15,330	50.2%	20,597	11.8%
MARS BLEND CRUDE OIL	MB	0	0	-	0	-
MCCLOSKEY ARA ARGS COAL	MTF	23,150	34,730	-33.3%	23,378	-1.0%
MCCLOSKEY RCH BAY COAL	MFF	3,030	4,339	-30.2%	3,228	-6.1%
MGF FUT	MGF	0	40	-100.0%	0	-
MGN1 SWAP FUT	MGN	370	358	3.4%	440	-15.9%
MICHIGAN BASIS	NF	1,495	2,916	-48.7%	1,525	-2.0%
MICHIGAN MISO	HMO	0	11,200	-100.0%	0	-
MICHIGAN MISO	HMW	0	581	-100.0%	0	-
MINI GAS EUROBOB OXY NWE ARGS BALMO	MEB	99	183	-45.9%	532	-81.4%
MINI RBOB V. EBOBARG NWE BRGS BALMO	MXR	320	348	-8.0%	0	-
MINI RBOB V. EBOB(ARGUS) NWE BRGS	MXB	2,198	3,203	-31.4%	3,082	-28.7%
MJC FUT	MJC	80	280	-71.4%	125	-36.0%
MNC FUT	MNC	3,815	5,969	-36.1%	5,032	-24.2%
MONT BELVIEU ETHANE 5 DECIMAL	C0	43,250	44,032	-1.8%	40,488	6.8%
MONT BELVIEU ETHANE OPIS BALMO	8C	85	195	-56.4%	60	41.7%
MONT BELVIEU LDH PROPANE 5 DECIMAL	B0	142,678	126,015	13.2%	147,723	-3.4%
MONT BELVIEU LDH PROPANE OPIS BALMO	8O	1,804	1,781	1.3%	2,405	-25.0%
MONT BELVIEU NATURAL GASOLINE 5 DEC	7Q	16,116	19,405	-16.9%	15,301	5.3%
MONT BELVIEU NATURAL GASOLINE BALMO	R0	575	125	360.0%	405	42.0%
MONT BELVIEU NORMAL BUTANE 5 DECIMAL	D0	57,339	52,152	9.9%	58,158	-1.4%
MONT BELVIEU NORMAL BUTANE BALMO	8J	837	741	13.0%	1,353	-38.1%
NAT GAS BASIS SWAP	TZ6	644	3,291	-80.4%	854	-24.6%
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	134,771	155,955	-13.6%	131,815	2.2%



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Commodity		Open Interest SEP 2019	Open Interest SEP 2018	% CHG	Open Interest AUG 2019	% CHG
<b>Energy Futures</b>						
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	342,593	443,005	-22.7%	355,001	-3.5%
NEPOOL INTR HUB 5MW D AH	U6	17,441	29,066	-40.0%	18,223	-4.3%
NEPOOL NE MASS 5MW D AH O	P8	4,755	14,040	-66.1%	5,931	-19.8%
NEPOOL NE MASS 5MW D AH P	P7	252	765	-67.1%	318	-20.8%
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	1,156	2,006	-42.4%	1,054	9.7%
NEW YORK ETHANOL SWAP	EZ	1,194	1,547	-22.8%	1,172	1.9%
NEW YORK HUB ZONE G PEAK	GN	1,088	2,448	-55.6%	1,058	2.8%
NEW YORK HUB ZONE J PEAK	JN	1,190	790	50.6%	1,250	-4.8%
NGPL MID-CONTINENT	NL	7,076	16,026	-55.8%	7,396	-4.3%
NGPL TEX/OK	PD	7,542	15,813	-52.3%	9,492	-20.5%
N ILLINOIS HUB DAILY	UD	98	178	-44.9%	98	0.0%
N ILLINOIS HUB MTHLY	UM	0	0	-	0	-
NO 2 UP-DOWN SPREAD CALEN	UT	150	575	-73.9%	0	-
NORTHEN NATURAL GAS DEMAR	PE	62	576	-89.2%	122	-49.2%
NORTHEN NATURAL GAS VENTU	PF	186	1,396	-86.7%	366	-49.2%
NORTHERN ILLINOIS OFF-PEA	UO	0	0	-	0	-
NORTHWEST ROCKIES BASIS S	NR	4,657	21,823	-78.7%	5,977	-22.1%
N ROCKIES PIPE SWAP	XR	0	59	-100.0%	0	-
NY1% VS GC SPREAD SWAP	VR	2,479	2,890	-14.2%	2,322	6.8%
NY 2.2% FUEL OIL (PLATTS	Y3	0	0	-	0	-
NY 3.0% FUEL OIL (PLATTS	H1	0	545	-100.0%	0	-
NY HARBOR 1% FUEL OIL BAL	VK	0	0	-	0	-
NY HARBOR HEAT OIL SWP	MP	8,861	10,556	-16.1%	8,716	1.7%
NY HARBOR LOW SULPUR GAS 1000MBBL	NLS	840	370	127.0%	840	0.0%
NY HARBOR RESIDUAL FUEL 1	MM	1,071	1,866	-42.6%	1,303	-17.8%
NY HARBOR RESIDUAL FUEL C	ML	0	0	-	0	-
NYH NO 2 CRACK SPREAD CAL	HK	2,520	3,939	-36.0%	2,270	11.0%
NYISO A	KA	0	0	-	0	-
NYISO A OFF-PEAK	KB	0	0	-	0	-
NYISO CAPACITY	LHV	399	277	44.0%	568	-29.8%
NYISO CAPACITY	NNC	34	538	-93.7%	62	-45.2%
NYISO CAPACITY	NRS	87	663	-86.9%	122	-28.7%
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	10,962	20,686	-47.0%	11,714	-6.4%
NYISO ZONE A 5MW D AH PK	K3	492	3,798	-87.0%	768	-35.9%
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	423,826	608,998	-30.4%	443,754	-4.5%
NYISO ZONE G 5MW D AH PK	T3	21,494	24,481	-12.2%	22,230	-3.3%
NYISO ZONE J 5MW D AH O P	D4	38,286	174,641	-78.1%	49,566	-22.8%
NYISO ZONE J 5MW D AH PK	D3	3,491	12,871	-72.9%	4,296	-18.7%
NYMEX ALUMINUM FUTURES	AN	408	612	-33.3%	372	9.7%
NYMEX ULSD VS NYMEX HO	UY	0	0	-	0	-
NY ULSD (ARGUS) VS HEATING OIL	7Y	437	233	87.6%	465	-6.0%



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Commodity	Open Interest SEP 2019	Open Interest SEP 2018	% CHG	Open Interest AUG 2019	% CHG	
<b>Energy Futures</b>						
ONEOK OKLAHOMA NG BASIS	8X	1,860	2,168	-14.2%	0	-
ONTARIO POWER SWAPS	OFD	0	0	-	0	-
ONTARIO POWER SWAPS	OFM	0	0	-	0	-
ONTARIO POWER SWAPS	OPD	0	0	-	0	-
ONTARIO POWER SWAPS	OPM	0	0	-	0	-
PANHANDLE BASIS SWAP FUTU	PH	1,927	6,935	-72.2%	2,287	-15.7%
PANHANDLE PIPE SWAP	XH	0	591	-100.0%	0	-
PERMIAN BASIS SWAP	PM	3,540	5,734	-38.3%	3,660	-3.3%
PETROCHEMICALS	22	176	225	-21.8%	141	24.8%
PETROCHEMICALS	32	72	84	-14.3%	67	7.5%
PETROCHEMICALS	3NA	21	0	-	22	-4.5%
PETROCHEMICALS	51	36	3	1,100.0%	42	-14.3%
PETROCHEMICALS	8I	5,441	5,648	-3.7%	5,254	3.6%
PETROCHEMICALS	91	849	897	-5.4%	753	12.7%
PETROCHEMICALS	HPE	0	0	-	0	-
PETROCHEMICALS	MAA	0	0	-	15	-100.0%
PETROCHEMICALS	MAC	0	0	-	0	-
PETROCHEMICALS	MAE	1,459	398	266.6%	1,291	13.0%
PETROCHEMICALS	MAS	500	494	1.2%	612	-18.3%
PETROCHEMICALS	MBE	405	875	-53.7%	535	-24.3%
PETROCHEMICALS	MNB	1,842	4,019	-54.2%	1,819	1.3%
PETROCHEMICALS	MPS	625	350	78.6%	630	-0.8%
PETRO CRCKS & SPRDS ASIA	JNC	0	0	-	0	-
PETRO CRCKS & SPRDS ASIA	STI	0	0	-	50	-100.0%
PETRO CRCKS & SPRDS ASIA	STR	540	0	-	615	-12.2%
PETRO CRCKS & SPRDS ASIA	STS	237	636	-62.7%	254	-6.7%
PETRO CRCKS & SPRDS NA	CRB	7,794	6,295	23.8%	10,303	-24.4%
PETRO CRCKS & SPRDS NA	EXR	3,278	3,750	-12.6%	3,754	-12.7%
PETRO CRCKS & SPRDS NA	FOC	1,390	1,450	-4.1%	1,850	-24.9%
PETRO CRCKS & SPRDS NA	GBB	500	975	-48.7%	225	122.2%
PETRO CRCKS & SPRDS NA	GCC	0	340	-100.0%	0	-
PETRO CRCKS & SPRDS NA	GCI	2,290	3,281	-30.2%	2,662	-14.0%
PETRO CRCKS & SPRDS NA	GCM	300	21	1,328.6%	0	-
PETRO CRCKS & SPRDS NA	GCU	9,147	24,299	-62.4%	11,084	-17.5%
PETRO CRCKS & SPRDS NA	GFC	0	0	-	0	-
PETRO CRCKS & SPRDS NA	HOB	11,549	5,481	110.7%	11,991	-3.7%
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	75	0	-	75	0.0%
PETRO CRCKS & SPRDS NA	NYH	0	0	-	0	-
PETRO CRCKS & SPRDS NA	RBB	18,856	14,099	33.7%	16,037	17.6%
PETRO CRCKS & SPRDS NA	RVG	9,433	17,693	-46.7%	14,005	-32.6%
PETRO CRCKS & SPRDS NA	SF3	252	45	460.0%	211	19.4%
PETRO CRK&SPRD EURO	1NB	1,173	3,547	-66.9%	1,723	-31.9%
PETRO CRK&SPRD EURO	1ND	0	0	-	0	-
PETRO CRK&SPRD EURO	43	0	372	-100.0%	0	-
PETRO CRK&SPRD EURO	BFR	0	0	-	0	-
PETRO CRK&SPRD EURO	BOB	3,502	4,273	-18.0%	2,876	21.8%
PETRO CRK&SPRD EURO	EGB	0	0	-	0	-
PETRO CRK&SPRD EURO	EGN	0	0	-	0	-
PETRO CRK&SPRD EURO	EOB	20	63	-68.3%	28	-28.6%
PETRO CRK&SPRD EURO	EPN	1,488	1,562	-4.7%	1,571	-5.3%

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Commodity	Open Interest SEP 2019	Open Interest SEP 2018	% CHG	Open Interest AUG 2019	% CHG	
<b>Energy Futures</b>						
PETRO CRK&SPRD EURO	EVC	2,852	4,921	-42.0%	2,675	6.6%
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	0	-	100	-100.0%
PETRO CRK&SPRD EURO	GOC	16	24	-33.3%	17	-5.9%
PETRO CRK&SPRD EURO	MGB	30	30	0.0%	30	0.0%
PETRO CRK&SPRD EURO	MUD	90	114	-21.1%	100	-10.0%
PETRO CRK&SPRD EURO	NBB	0	10	-100.0%	0	-
PETRO CRK&SPRD EURO	NOB	1,334	2,341	-43.0%	1,477	-9.7%
PETRO CRK&SPRD EURO	SFB	5	0	-	0	-
PETROLEUM PRODUCTS	1NM	50	0	-	155	-67.7%
PETROLEUM PRODUCTS	EWB	0	0	-	0	-
PETROLEUM PRODUCTS	EWG	2,825	7,953	-64.5%	2,875	-1.7%
PETROLEUM PRODUCTS	JCC	700	0	-	0	-
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	NCC	10	0	-	0	-
PETROLEUM PRODUCTS	R5F	3	0	-	0	-
PETROLEUM PRODUCTS	S53	45	0	-	27	66.7%
PETROLEUM PRODUCTS	UP5	54	0	-	0	-
PETROLEUM PRODUCTS	VU	13	0	-	142	-90.8%
PETROLEUM PRODUCTS ASIA	E6M	0	20	-100.0%	60	-100.0%
PETROLEUM PRODUCTS ASIA	MJN	1,595	2,046	-22.0%	2,239	-28.8%
PETROLEUM PRODUCTS ASIA	MSB	20	0	-	20	0.0%
PETRO OUTRIGHT EURO	OB	201	0	-	161	24.8%
PETRO OUTRIGHT EURO	OC	0	20	-100.0%	30	-100.0%
PETRO OUTRIGHT EURO	OD	2,415	4,116	-41.3%	2,517	-4.1%
PETRO OUTRIGHT EURO	OE	50	40	25.0%	0	-
PETRO OUTRIGHT EURO	OF	508	786	-35.4%	695	-26.9%
PETRO OUTRIGHT EURO	1T	15	36	-58.3%	16	-6.2%
PETRO OUTRIGHT EURO	33	0	0	-	0	-
PETRO OUTRIGHT EURO	5L	25	0	-	0	-
PETRO OUTRIGHT EURO	63	62	0	-	0	-
PETRO OUTRIGHT EURO	6L	0	0	-	0	-
PETRO OUTRIGHT EURO	7I	75	317	-76.3%	0	-
PETRO OUTRIGHT EURO	7R	40	229	-82.5%	72	-44.4%
PETRO OUTRIGHT EURO	88	0	0	-	0	-
PETRO OUTRIGHT EURO	CBB	0	0	-	15	-100.0%
PETRO OUTRIGHT EURO	CGB	0	0	-	0	-
PETRO OUTRIGHT EURO	CPB	138	127	8.7%	70	97.1%
PETRO OUTRIGHT EURO	EFF	0	0	-	56	-100.0%
PETRO OUTRIGHT EURO	EFM	4	0	-	5	-20.0%
PETRO OUTRIGHT EURO	ENS	68	110	-38.2%	51	33.3%
PETRO OUTRIGHT EURO	ESB	0	0	-	0	-
PETRO OUTRIGHT EURO	EWN	403	1,264	-68.1%	529	-23.8%
PETRO OUTRIGHT EURO	FBD	0	0	-	0	-
PETRO OUTRIGHT EURO	FLB	0	5	-100.0%	0	-
PETRO OUTRIGHT EURO	GES	0	5	-100.0%	0	-
PETRO OUTRIGHT EURO	H5G	192	0	-	120	60.0%
PETRO OUTRIGHT EURO	M1B	458	0	-	0	-
PETRO OUTRIGHT EURO	M35	19	0	-	0	-

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Commodity	Open Interest SEP 2019	Open Interest SEP 2018	% CHG	Open Interest AUG 2019	% CHG
<b>Energy Futures</b>					
PETRO OUTRIGHT EURO	0	100	-100.0%	0	-
PETRO OUTRIGHT EURO	2,505	3,603	-30.5%	2,574	-2.7%
PETRO OUTRIGHT EURO	557	291	91.4%	668	-16.6%
PETRO OUTRIGHT EURO	66	0	-	54	22.2%
PETRO OUTRIGHT EURO	672	0	-	617	8.9%
PETRO OUTRIGHT EURO	1,006	0	-	232	333.6%
PETRO OUTRIGHT EURO	39	0	-	23	69.6%
PETRO OUTRIGHT EURO	579	0	-	469	23.5%
PETRO OUTRIGHT EURO	49	0	-	6	716.7%
PETRO OUTRIGHT EURO	600	277	116.6%	500	20.0%
PETRO OUTRIGHT EURO	9	63	-85.7%	9	0.0%
PETRO OUTRIGHT EURO	0	0	-	0	-
PETRO OUTRIGHT EURO	0	0	-	50	-100.0%
PETRO OUTRIGHT EURO	0	0	-	0	-
PETRO OUTRIGHT EURO	0	320	-100.0%	0	-
PETRO OUTRIGHT EURO	0	116	-100.0%	0	-
PETRO OUTRIGHT NA	0	152	-100.0%	0	-
PETRO OUTRIGHT NA	0	8	-100.0%	0	-
PETRO OUTRIGHT NA	240	126	90.5%	60	300.0%
PETRO OUTRIGHT NA	2,431	4,875	-50.1%	2,412	0.8%
PETRO OUTRIGHT NA	1,025	650	57.7%	475	115.8%
PETRO OUTRIGHT NA	204	30	580.0%	0	-
PETRO OUTRIGHT NA	128	410	-68.8%	10	1,180.0%
PETRO OUTRIGHT NA	2,781	3,307	-15.9%	4,146	-32.9%
PETRO OUTRIGHT NA	70	0	-	90	-22.2%
PETRO OUTRIGHT NA	44	79	-44.3%	54	-18.5%
PETRO OUTRIGHT NA	0	0	-	0	-
PETRO OUTRIGHT NA	0	0	-	0	-
PJM AD HUB 5MW REAL TIME	166,570	236,917	-29.7%	175,370	-5.0%
PJM AD HUB 5MW REAL TIME	14,565	20,675	-29.6%	14,945	-2.5%
PJM AECO DA OFF-PEAK	0	0	-	0	-
PJM AECO DA PEAK	0	0	-	0	-
PJM APS ZONE DA OFF-PEAK	0	0	-	0	-
PJM APS ZONE DA PEAK	0	0	-	0	-
PJM ATSI ELEC	0	0	-	0	-
PJM ATSI ELEC	0	0	-	0	-
PJM BGE DA OFF-PEAK	0	3,202	-100.0%	0	-
PJM BGE DA PEAK	0	166	-100.0%	0	-
PJM COMED 5MW D AH O PK	0	8,005	-100.0%	0	-
PJM COMED 5MW D AH PK	0	415	-100.0%	0	-
PJM DAILY	954	702	35.9%	918	3.9%
PJM DAYTON DA OFF-PEAK	50,765	76,592	-33.7%	52,645	-3.6%
PJM DAYTON DA PEAK	2,980	6,145	-51.5%	3,210	-7.2%
PJM JCPL DA OFF-PEAK	0	0	-	0	-
PJM JCPL DA PEAK	0	0	-	0	-
PJM NI HUB 5MW REAL TIME	6,021	15,626	-61.5%	7,001	-14.0%
PJM NI HUB 5MW REAL TIME	92,515	241,785	-61.7%	100,115	-7.6%
PJM NILL DA OFF-PEAK	27,506	196,334	-86.0%	40,290	-31.7%
PJM NILL DA PEAK	1,599	12,200	-86.9%	2,496	-35.9%
PJM OFF-PEAK LMP SWAP FUT	0	160	-100.0%	0	-
PJM PECO ZONE5MW PEAK CAL MO DAY AH	1,680	0	-	2,120	-20.8%
PJM PPL DA OFF-PEAK	0	0	-	0	-
PJM PPL DA PEAK	0	0	-	0	-

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<b>Energy Futures</b>						
PJM PSEG DA OFF-PEAK	W6	39,625	40,960	-3.3%	49,425	-19.8%
PJM PSEG DA PEAK	L6	2,100	1,275	64.7%	2,650	-20.8%
PJM WESTH DA OFF-PEAK	E4	74,252	236,147	-68.6%	86,284	-13.9%
PJM WESTHDA PEAK	J4	3,946	12,721	-69.0%	4,682	-15.7%
PJM WESTH RT OFF-PEAK	N9	531,999	1,197,262	-55.6%	552,799	-3.8%
PJM WESTH RT PEAK	L1	69,134	77,617	-10.9%	77,138	-10.4%
PLASTICS	PGP	3,288	809	306.4%	3,147	4.5%
PREMIUM UNLD 10P FOB MED	3G	145	486	-70.2%	168	-13.7%
PREMIUM UNLEAD 10PPM FOB	8G	74	35	111.4%	32	131.3%
PREM UNL GAS 10PPM RDAM FOB BALMO	7N	0	0	-	0	-
PREM UNL GAS 10PPM RDAM FOB SWAP	7L	5	256	-98.0%	0	-
PROPANE NON-LDH MB (OPIS) BALMO SWP	1S	677	596	13.6%	985	-31.3%
PROPANE NON-LDH MT. BEL (OPIS) SWP	1R	49,851	59,465	-16.2%	56,166	-11.2%
RBOB CALENDAR SWAP	RL	15,420	16,926	-8.9%	13,643	13.0%
RBOB CRACK SPREAD	RM	3,872	5,388	-28.1%	3,200	21.0%
RBOB CRACK SPREAD BALMO S	1E	0	0	-	0	-
RBOB GASOLINE BALMO CLNDR	1D	724	1,252	-42.2%	765	-5.4%
RBOB PHY	RBL	0	0	0.0%	0	0.0%
RBOB SPREAD (PLATTS) SWAP	RI	0	0	-	0	-
RBOB VS HEATING OIL SWAP	RH	25	420	-94.0%	50	-50.0%
SAN JUAN BASIS SWAP	NJ	1,507	10,853	-86.1%	2,197	-31.4%
SAN JUAN PIPE SWAP	XX	0	360	-100.0%	0	-
SINGAPORE 180CST BALMO	BS	96	5	1,820.0%	20	380.0%
SINGAPORE 380CST BALMO	BT	77	132	-41.7%	293	-73.7%
SINGAPORE 380CST FUEL OIL	SE	4,056	10,943	-62.9%	4,860	-16.5%
SINGAPORE FUEL 180CST CAL	UA	257	867	-70.4%	431	-40.4%
SINGAPORE FUEL OIL SPREAD	SD	171	910	-81.2%	158	8.2%
SINGAPORE GASOIL	MAF	3,858	499	673.1%	4,542	-15.1%
SINGAPORE GASOIL	MTB	65	15	333.3%	62	4.8%
SINGAPORE GASOIL	MTS	5,070	6,774	-25.2%	6,517	-22.2%
SINGAPORE GASOIL	STZ	0	1,150	-100.0%	0	-
SINGAPORE GASOIL CALENDAR	GDH	0	0	-	0	-
SINGAPORE GASOIL CALENDAR	GDL	0	0	-	0	-
SINGAPORE GASOIL CALENDAR	GHS	0	0	-	0	-
SINGAPORE GASOIL CALENDAR	MGO	0	0	-	0	-
SINGAPORE GASOIL CALENDAR	MSG	342	173	97.7%	395	-13.4%
SINGAPORE GASOIL CALENDAR	SGG	0	0	-	0	-
SINGAPORE GASOIL SWAP	SG	930	9,275	-90.0%	810	14.8%
SINGAPORE GASOIL VS ICE	GA	8,185	41,626	-80.3%	9,295	-11.9%
SINGAPORE JET KERO BALMO	BX	0	0	-	0	-
SINGAPORE JET KERO GASOIL	RK	2,075	11,310	-81.7%	2,800	-25.9%
SINGAPORE JET KEROSENE SW	KS	1,000	4,230	-76.4%	1,165	-14.2%
SINGAPORE JET KERO VS. GASOIL BALMO	ZO	0	0	-	0	-
SINGAPORE MOGAS 92 UNLEADED BALMO	1P	25	370	-93.2%	0	-
SINGAPORE MOGAS 92 UNLEADED SWP	1N	6,903	14,890	-53.6%	8,950	-22.9%
SINGAPORE NAPHTHA SWAP	SP	0	0	-	0	-
SING FUEL	MSD	0	0	-	0	-
SOCAL PIPE SWAP	XN	0	0	-	0	-
SONAT BASIS SWAP FUTURE	SZ	0	0	-	0	-
SOUTH STAR TEX OKLHM KNS	8Z	0	30	-100.0%	0	-
Sumas Basis Swap	NK	945	3,311	-71.5%	1,065	-11.3%
SUMAS NAT GAS PLATTS FIXED PRICE	DVS	0	0	-	0	-
TC2 ROTTERDAM TO USAC 37K	TM	571	229	149.3%	587	-2.7%



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Commodity		Open Interest SEP 2019	Open Interest SEP 2018	% CHG	Open Interest AUG 2019	% CHG
<b>Energy Futures</b>						
TC5 RAS TANURA TO YOKOHAM	TH	1,425	105	1,257.1%	1,034	37.8%
TCO BASIS SWAP	TC	1,836	5,303	-65.4%	2,196	-16.4%
TCO NG INDEX SWAP	Q1	0	0	-	0	-
TD3 MEG TO JAPAN 250K MT	TL	13,539	4,645	191.5%	13,233	2.3%
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	184	-100.0%	0	-
TEXAS EASTERN ZONE M-3 BA	NX	1,098	3,223	-65.9%	1,158	-5.2%
TEXAS GAS ZONE1 NG BASIS	9F	0	1,444	-100.0%	0	-
Transco Zone 3 Basis	CZ	0	828	-100.0%	0	-
TRANSCO ZONE 3 NG INDEX S	Y6	0	0	-	0	-
TRANSCO ZONE4 BASIS SWAP	TR	1,938	4,246	-54.4%	2,072	-6.5%
TRANSCO ZONE 4 NAT GAS IN	B2	0	0	-	0	-
TRANSCO ZONE 6 BASIS SWAP	NZ	0	581	-100.0%	0	-
TRANSCO ZONE 6 INDEX	IT	0	0	-	0	-
UCM FUT	UCM	0	0	-	0	-
UK NBP NAT GAS CAL MTH FUT	UKG	355	178	99.4%	90	294.4%
ULSD 10PPM CIF MED SWAP	Z6	0	0	-	0	-
ULSD 10PPM CIF MED VS ICE	Z7	0	0	-	0	-
ULSD 10PPM CIF NW BALMO S	B1	0	0	-	0	-
ULSD UP-DOWN BALMO SWP	1L	5,055	8,792	-42.5%	2,555	97.8%
UP DOWN GC ULSD VS NMX HO	LT	58,593	43,144	35.8%	59,685	-1.8%
WAHA BASIS	NW	913	3,312	-72.4%	1,007	-9.3%
WAHA INDEX SWAP FUTURE	IY	0	0	-	0	-
WESTERN RAIL DELIVERY PRB	QP	0	240	-100.0%	0	-
WTI-BRENT BULLET SWAP	BY	1,034	6,704	-84.6%	1,559	-33.7%
WTI-BRENT CALENDAR SWAP	BK	159,947	135,642	17.9%	160,572	-0.4%
WTI CALENDAR	CS	172,341	174,912	-1.5%	174,244	-1.1%
WTS (ARGUS) VS WTI SWAP	FF	63,884	61,503	3.9%	65,038	-1.8%
WTS (ARGUS) VS WTI TRD MT	FH	4,619	5,258	-12.2%	5,341	-13.5%
<b>Energy Options</b>						
12 MO GASOIL CAL SWAP SPR	GXZ	0	0	-	0	-
BRENT 1 MONTH CAL	AA	0	0	-	0	-
BRENT CALENDAR SWAP	BA	8,739	6,711	30.2%	8,960	-2.5%
BRENT CRUDE OIL 12 M CSO	9Y	0	0	-	0	-
BRENT CRUDE OIL 1 M CSO	9C	8,130	55,702	-85.4%	13,260	-38.7%
BRENT CRUDE OIL 6 M CSO	9L	0	0	-	0	-
BRENT OIL LAST DAY	BE	54,172	105,339	-48.6%	52,105	4.0%
BRENT OIL LAST DAY	BZO	183,155	242,084	-24.3%	182,652	0.3%
BRENT OIL LAST DAY	OS	50	1,222	-95.9%	50	0.0%
COAL API2 INDEX	CLA	335	3,770	-91.1%	330	1.5%
COAL API2 INDEX	CQA	175	900	-80.6%	100	75.0%
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	0	-	0	-
COAL SWAP	RPF	0	0	-	0	-
CRUDE OIL	6Y	150	0	-	150	0.0%
CRUDE OIL 1MO	WA	495,775	283,105	75.1%	629,300	-21.2%
CRUDE OIL APO	AO	349,914	383,939	-8.9%	358,187	-2.3%



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Commodity	Open Interest SEP 2019	Open Interest SEP 2018	% CHG	Open Interest AUG 2019	% CHG	
<b>Energy Options</b>						
CRUDE OIL CALNDR STRIP	6F	200	170	17.6%	200	0.0%
CRUDE OIL OUTRIGHTS	AH	0	0	-	0	-
CRUDE OIL OUTRIGHTS	DBP	0	0	-	0	-
CRUDE OIL OUTRIGHTS	WCI	0	1,340	-100.0%	0	-
CRUDE OIL PHY	CD	0	0	-	0	-
CRUDE OIL PHY	LC	43,966	39,285	11.9%	43,337	1.5%
CRUDE OIL PHY	LO	2,256,480	2,969,257	-24.0%	2,128,667	6.0%
CRUDE OIL PHY	LO1	5,762	2,739	110.4%	2,857	101.7%
CRUDE OIL PHY	LO2	447	289	54.7%	506	-11.7%
CRUDE OIL PHY	LO3	188	88	113.6%	46	308.7%
CRUDE OIL PHY	LO4	0	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	-
ETHANOL	CE3	0	0	-	0	-
ETHANOL SWAP	CVR	17,163	6,389	168.6%	21,003	-18.3%
ETHANOL SWAP	GVR	580	2,724	-78.7%	1,070	-45.8%
EUROPEAN JET KEROSENE NWE (PLATTS) AVG PRC	30	0	0	-	0	-
FREIGHT MARKETS	TDT	1,800	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	288	250	15.2%	209	37.8%
HEATING OIL PHY	OH	46,319	37,030	25.1%	41,859	10.7%
HENRY HUB FINANCIAL LAST	E7	12,030	5,437	121.3%	10,890	10.5%
HO 1 MONTH CLNDR OPTIONS	FA	0	0	-	0	-
LLS CRUDE OIL	WJO	0	900	-100.0%	0	-
LLS CRUDE OIL	YVO	0	0	-	0	-
MCCLOSKEY ARA ARGS COAL	MTO	0	215	-100.0%	0	-
MCCLOSKEY RCH BAY COAL	MFO	275	450	-38.9%	500	-45.0%
NATURAL GAS	G10	0	0	-	0	-
NATURAL GAS 1 M CSO FIN	G4	122,825	62,120	97.7%	111,850	9.8%
NATURAL GAS 2 M CSO FIN	G2	1,575	0	-	1,075	46.5%
NATURAL GAS 3 M CSO FIN	G3	2,100	0	-	56,400	-96.3%
NATURAL GAS 5 M CSO FIN	G5	2,700	0	-	1,600	68.8%
NATURAL GAS 6 M CSO FIN	G6	15,200	11,350	33.9%	13,750	10.5%
NATURAL GAS OPTION ON CALENDAR STRP	6J	18,184	12,822	41.8%	17,064	6.6%
NATURAL GAS PHY	KD	0	0	0.0%	0	0.0%
NATURAL GAS PHY	LN	1,690,303	1,890,570	-10.6%	1,685,670	0.3%
NATURAL GAS PHY	ON	74,942	148,389	-49.5%	73,768	1.6%
NATURAL GAS WINTER STRIP	6I	1,500	1,700	-11.8%	1,500	0.0%
N ROCKIES PIPE SWAP	ZR	4,476	2,986	49.9%	3,930	13.9%
NY HARBOR HEAT OIL SWP	AT	13,515	14,759	-8.4%	13,246	2.0%
NYISO ZONE G 5MW PEAK OPTIONS	9U	0	0	-	0	-
NYMEX EUROPEAN GASOIL APO	F7	0	0	-	0	-
PANHANDLE PIPE SWAP	PU	0	1,440	-100.0%	0	-
PETROCHEMICALS	4H	3,570	4,098	-12.9%	4,215	-15.3%
PETROCHEMICALS	4J	300	1,240	-75.8%	375	-20.0%
PETROCHEMICALS	4K	280	1,650	-83.0%	80	250.0%
PETROCHEMICALS	CPR	20	0	-	20	0.0%
PETRO OUTRIGHT EURO	8H	0	0	-	0	-
PETRO OUTRIGHT EURO	BCO	24	0	-	24	0.0%
PETRO OUTRIGHT NA	DAP	724	216	235.2%	650	11.4%

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Commodity		Open Interest SEP 2019	Open Interest SEP 2018	% CHG	Open Interest AUG 2019	% CHG
<b>Energy Options</b>						
PJM WES HUB PEAK CAL MTH	6OA	1,280	1,780	-28.1%	1,260	1.6%
PJM WES HUB PEAK CAL MTH	JOA	0	0	-	0	-
PJM WES HUB PEAK LMP 50MW	PMA	532	5,113	-89.6%	555	-4.1%
RBOB 1MO CAL SPD OPTIONS	ZA	0	0	-	0	-
RBOB CALENDAR SWAP	RA	240	425	-43.5%	140	71.4%
RBOB CRACK	RX	0	0	-	0	-
RBOB PHY	OB	9,442	8,307	13.7%	12,103	-22.0%
RBOB PHY	RF	0	0	-	0	-
ROTTERDAM 3.5%FUEL OIL CL	Q6	0	0	-	0	-
SAN JUAN PIPE SWAP	PJ	2,970	2,496	19.0%	2,970	0.0%
SHORT TERM	C15	0	0	-	0	-
SHORT TERM	U11	0	0	-	0	-
SHORT TERM	U12	0	0	-	0	-
SHORT TERM	U13	0	0	-	0	-
SHORT TERM	U14	0	0	-	0	-
SHORT TERM	U15	0	0	-	0	-
SHORT TERM	U22	0	0	-	0	-
SHORT TERM	U23	0	0	-	0	-
SHORT TERM	U24	0	0	-	0	-
SHORT TERM	U25	0	0	-	0	-
SHORT TERM	U26	0	0	-	0	-
SHORT TERM NATURAL GAS	U01	0	200	-100.0%	0	-
SHORT TERM NATURAL GAS	U02	0	0	-	0	-
SHORT TERM NATURAL GAS	U03	0	0	-	100	-100.0%
SHORT TERM NATURAL GAS	U04	0	0	-	0	-
SHORT TERM NATURAL GAS	U05	0	0	-	0	-
SHORT TERM NATURAL GAS	U06	0	0	-	0	-
SHORT TERM NATURAL GAS	U07	0	0	-	0	-
SHORT TERM NATURAL GAS	U08	0	0	-	0	-
SHORT TERM NATURAL GAS	U09	0	0	-	0	-
SHORT TERM NATURAL GAS	U10	0	0	-	0	-
SHORT TERM NATURAL GAS	U16	0	0	-	0	-
SHORT TERM NATURAL GAS	U17	0	0	-	0	-
SHORT TERM NATURAL GAS	U18	0	0	-	0	-
SHORT TERM NATURAL GAS	U19	0	0	-	0	-
SHORT TERM NATURAL GAS	U20	0	0	-	0	-
SHORT TERM NATURAL GAS	U21	0	0	-	0	-
SHORT TERM NATURAL GAS	U27	0	0	-	0	-
SHORT TERM NATURAL GAS	U28	0	0	-	0	-
SHORT TERM NATURAL GAS	U29	0	0	-	0	-
SHORT TERM NATURAL GAS	U30	0	0	-	0	0.0%
SHORT TERM NATURAL GAS	U31	0	0	-	0	-
SINGAPORE GASOIL CALENDAR	M2	0	0	-	0	-
SINGAPORE JET FUEL CALEND	N2	0	0	-	0	-
SOCAL PIPE SWAP	ZN	0	0	-	0	-
WTI-BRENT BULLET SWAP	BV	145,025	199,171	-27.2%	165,475	-12.4%
WTI CRUDE OIL 1 M CSO FI	7A	95,920	110,475	-13.2%	142,730	-32.8%
<b>Metals Futures</b>						
COMEX GOLD	GC	610,343	457,853	33.3%	610,294	0.0%
NYMEX HOT ROLLED STEEL	HR	14,952	14,456	3.4%	15,201	-1.6%
NYMEX PLATINUM	PL	85,543	71,308	20.0%	84,830	0.8%

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Commodity		Open Interest SEP 2019	Open Interest SEP 2018	% CHG	Open Interest AUG 2019	% CHG
<b>Metals Futures</b>						
PALLADIUM	PA	23,854	23,288	2.4%	20,728	15.1%
URANIUM	UX	2,406	4,077	-41.0%	2,810	-14.4%
COMEX SILVER	SI	213,288	204,131	4.5%	218,872	-2.6%
COMEX E-Mini GOLD	QO	1,877	3,029	-38.0%	1,721	9.1%
COMEX E-Mini SILVER	QI	475	264	79.9%	355	33.8%
COMEX COPPER	HG	234,852	238,539	-1.5%	258,903	-9.3%
COMEX MINY COPPER	QC	65	33	97.0%	64	1.6%
ALUMINUM	A38	53	0	-	78	-32.1%
ALUMINUM	AEP	9,397	10,453	-10.1%	9,619	-2.3%
ALUMINUM	ALA	510	2,460	-79.3%	395	29.1%
ALUMINUM	ALI	281	0	-	276	1.8%
ALUMINUM	AUP	22,930	28,414	-19.3%	24,286	-5.6%
ALUMINUM	CUP	0	20	-100.0%	0	-
ALUMINUM	EDP	9,685	9,174	5.6%	10,536	-8.1%
ALUMINUM	MJP	6,342	8,074	-21.5%	7,302	-13.1%
COPPER	HGS	10,081	11,446	-11.9%	9,872	2.1%
E-MICRO GOLD	MGC	22,979	14,748	55.8%	19,175	19.8%
FERROUS PRODUCTS	BUS	2,746	3,016	-9.0%	2,305	19.1%
GOLD	GPS	0	0	-	0	-
Gold Kilo	GCK	0	0	-	0	-
IRON ORE 62 CHINA PLATTS FUTURES	PIO	0	320	-100.0%	0	-
IRON ORE 62 CHINA TSI FUTURES	TIO	6,072	8,979	-32.4%	5,711	6.3%
LNDN ZINC	ZNC	0	17	-100.0%	0	0.0%
SILVER	SIL	2,146	1,462	46.8%	2,478	-13.4%
<b>Metals Options</b>						
COMEX COPPER	HX	31,057	23,145	34.2%	29,367	5.8%
COMEX GOLD	OG	1,682,120	1,289,414	30.5%	1,704,924	-1.3%
COMEX SILVER	SO	228,727	226,174	1.1%	226,586	0.9%
COPPER	H1E	20	6	233.3%	146	-86.3%
COPPER	H2E	20	0	-	161	-87.6%
COPPER	H3E	420	0	-	0	-
COPPER	H4E	0	0	0.0%	0	-
COPPER	H5E	0	0	-	0	0.0%
GOLD	OG1	18,135	3,748	383.9%	17,209	5.4%
GOLD	OG2	8,157	1,789	356.0%	5,620	45.1%
GOLD	OG3	4,084	134	2,947.8%	2,324	75.7%
GOLD	OG4	224	0	0.0%	0	-
GOLD	OG5	0	0	-	0	0.0%
HOT ROLLED COIL STEEL CALL OPTION	HRO	600	300	100.0%	700	-14.3%
IRON ORE 62 CHINA TSI CALL OPTION	ICT	1,240	996	24.5%	1,260	-1.6%
IRON ORE 62 CHINA TSI PUT OPTION	ICT	620	220	181.8%	625	-0.8%
NYMEX PLATINUM	PO	2,703	5,354	-49.5%	9,105	-70.3%
PALLADIUM	PAO	2,142	2,042	4.9%	1,719	24.6%
SILVER	SO1	2,895	480	503.1%	746	288.1%
SILVER	SO2	638	62	929.0%	423	50.8%
SILVER	SO3	711	51	1,294.1%	245	190.2%
SILVER	SO4	0	0	0.0%	0	-
SILVER	SO5	0	0	-	0	0.0%



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<b>TOTAL FUTURES GROUP</b>					
Ag Products Futures	3	1	200.0%	3	0.0%
Energy Futures	9,516,994	13,113,998	-27.4%	9,981,006	-4.6%
Metals Futures	1,280,877	1,115,561	14.8%	1,305,811	-1.9%
<b>TOTAL FUTURES</b>	<b>10,797,874</b>	<b>14,229,560</b>	<b>-24.1%</b>	<b>11,286,820</b>	<b>-4.3%</b>
<b>TOTAL OPTIONS GROUP</b>					
Energy Options	5,693,740	6,630,667	-14.1%	5,806,788	-1.9%
Metals Options	1,984,513	1,553,915	27.7%	2,001,160	-0.8%
<b>TOTAL OPTIONS</b>	<b>7,678,253</b>	<b>8,184,582</b>	<b>-6.2%</b>	<b>7,807,948</b>	<b>-1.7%</b>
<b>TOTAL COMBINED</b>					
Ag Products	3	1	200.0%	3	0.0%
Energy	15,210,734	19,744,665	-23.0%	15,787,794	-3.7%
Metals	3,265,390	2,669,476	22.3%	3,306,971	-1.3%
<b>GRAND TOTAL</b>	<b>18,476,127</b>	<b>22,414,142</b>	<b>-17.6%</b>	<b>19,094,768</b>	<b>-3.2%</b>