



## NYMEX/COMEX Exchange Volume Report - Monthly

Commodity		VOLUME SEP 2019	VOLUME SEP 2018	% CHG	VOLUME AUG 2019	% CHG	VOLUME Y.T.D 2019	VOLUME Y.T.D 2018	% CHG
<b>Ag Products Futures</b>									
COCOA TAS	CJ	0	0	0.0%	0	0.0%	8	5	60.0%
COFFEE	KT	0	0	0.0%	0	-	0	0	0.0%
COTTON	TT	6	9	-33.3%	1	500.0%	36	13	176.9%
SUGAR 11	YO	0	0	0.0%	0	0.0%	10	58	-82.8%
<b>Energy Futures</b>									
CRUDE OIL PHY	CL	26,970,240	21,113,108	27.7%	27,901,738	-3.3%	229,773,573	231,626,849	-0.8%
CRUDE OIL	WS	0	0	0.0%	0	0.0%	16,694	15,639	6.7%
MINY WTI CRUDE OIL	QM	606,380	298,906	102.9%	530,406	14.3%	4,345,418	2,989,238	45.4%
BRENT OIL LAST DAY	BZ	2,413,390	1,563,565	54.4%	2,263,777	6.6%	19,797,878	15,624,810	26.7%
HEATING OIL PHY	HO	3,916,689	3,440,127	13.9%	3,379,134	15.9%	30,613,399	34,555,990	-11.4%
HTG OIL	BH	0	0	0.0%	0	0.0%	96	84	14.3%
MINY HTG OIL	QH	3	7	-57.1%	3	0.0%	29	36	-19.4%
RBOB PHY	RB	4,111,649	3,900,976	5.4%	3,663,823	12.2%	38,995,807	37,629,144	3.6%
MINY RBOB GAS	QU	4	5	-20.0%	13	-69.2%	60	33	81.8%
NATURAL GAS	HP	158,004	129,912	21.6%	110,025	43.6%	1,034,408	1,019,948	1.4%
LTD NAT GAS	HH	330,254	385,679	-14.4%	220,673	49.7%	2,749,364	3,087,380	-10.9%
MINY NATURAL GAS	QG	44,528	24,447	82.1%	34,885	27.6%	270,597	227,602	18.9%
PJM MONTHLY	JM	0	0	0.0%	0	0.0%	0	0	0.0%
NATURAL GAS PHY	NG	9,893,314	9,776,577	1.2%	9,283,257	6.6%	73,125,527	79,921,567	-8.5%
RBOB GAS	RT	0	0	0.0%	0	0.0%	72	14,374	-99.5%
3.5% FUEL OIL CID MED SWA	7D	0	60	-100.0%	16	-100.0%	97	572	-83.0%
3.5% FUEL OIL CIF BALMO S	8D	0	0	0.0%	0	0.0%	20	95	-78.9%
AEP-DAYTON HUB DAILY	VD	0	0	0.0%	0	0.0%	0	0	0.0%
AEP-DAYTON HUB MTHLY	VM	0	0	0.0%	0	0.0%	0	0	0.0%
AEP-DAYTON HUB OFF-PEAK M	VP	0	0	0.0%	0	0.0%	0	0	0.0%
ALGON CITY GATES NAT GAS	N7	0	0	0.0%	0	-	0	0	0.0%
ALGONQUIN CITYGATES BASIS	B4	0	0	0.0%	0	0.0%	0	0	0.0%
ANR LOUISIANA BASIS SWAP	ND	0	0	0.0%	0	-	0	0	0.0%
ANR OKLAHOMA	NE	0	0	0.0%	0	0.0%	0	0	0.0%
ARGUS LLS VS. WTI (ARG) T	E5	3,047	12,328	-75.3%	720	323.2%	76,513	199,439	-61.6%
ARGUS PROPAN FAR EST INDE	7E	6,766	6,308	7.3%	6,872	-1.5%	56,619	52,095	8.7%
ARGUS PROPAN(SAUDI ARAMCO	9N	3,897	4,662	-16.4%	3,559	9.5%	27,360	25,216	8.5%

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<b>Energy Futures</b>									
AUSTRIALIAN COKE COAL	ACT	0	0	0.0%	0	0.0%	0	20	-100.0%
AUSTRIALIAN COKE COAL	ALW	0	0	0.0%	0	0.0%	0	0	0.0%
BRENT BALMO SWAP	J9	448	100	348.0%	352	27.3%	1,763	285	518.6%
BRENT CALENDAR SWAP	CY	1,498	2,810	-46.7%	9,902	-84.9%	59,684	30,799	93.8%
BRENT CFD SWAP	6W	0	0	0.0%	0	0.0%	0	300	-100.0%
BRENT FINANCIAL FUTURES	BB	0	2,000	-100.0%	0	0.0%	7,000	16,264	-57.0%
BRENT FINANCIAL FUTURES	MBC	612	0	0.0%	450	36.0%	1,381	127	987.4%
BRENT FINANCIAL FUTURES	MDB	0	0	0.0%	0	0.0%	0	224	-100.0%
BRENT OIL LAST DAY	BZL	0	0	0.0%	0	0.0%	0	0	0.0%
BRENT OIL LAST DAY	BZS	0	0	0.0%	0	0.0%	0	0	0.0%
CAISO SP15 EZGNHUB5 MW P	9X	0	0	0.0%	0	-	0	0	0.0%
CAISO SP15 EZGNHUB5 PEAK	9Z	0	0	0.0%	0	-	0	0	0.0%
CANADIAN LIGHT SWEET OIL	CIL	0	0	0.0%	0	0.0%	0	0	0.0%
CENTERPOINT BASIS SWAP	PW	0	0	0.0%	0	0.0%	0	36	-100.0%
CHICAGO ETHANOL SWAP	CU	104,382	85,728	21.8%	91,961	13.5%	945,857	889,595	6.3%
CHICAGO ULSD (PLATTS) SWA	4C	0	0	0.0%	0	-	0	0	0.0%
CHICAGO ULSD PL VS HO SPR	5C	740	630	17.5%	270	174.1%	5,224	3,750	39.3%
CHICAGO UNL GAS PL VS RBO	3C	200	0	0.0%	50	300.0%	1,370	950	44.2%
CIG BASIS	CI	0	0	0.0%	0	0.0%	0	196	-100.0%
CIG ROCKIES NG INDEX SWA	Z8	0	0	0.0%	0	-	0	0	0.0%
CINERGY HUB OFF-PEAK MONT	EJ	0	0	0.0%	0	0.0%	0	0	0.0%
CINERGY HUB PEAK MONTH	EM	0	0	0.0%	0	0.0%	0	0	0.0%
CIN HUB 5MW D AH O PK	K2	0	0	0.0%	0	0.0%	0	0	0.0%
CIN HUB 5MW D AH PK	H5	378	982	-61.5%	424	-10.8%	4,672	10,992	-57.5%
CIN HUB 5MW REAL TIME O P	H4	0	0	0.0%	0	0.0%	3,920	0	0.0%
CIN HUB 5MW REAL TIME PK	H3	0	1,275	-100.0%	0	0.0%	325	1,505	-78.4%
COAL SWAP	ACM	0	45	-100.0%	0	0.0%	0	510	-100.0%
COAL SWAP	SSI	0	0	0.0%	0	-	0	0	0.0%
COLUMB GULF MAINLINE NG B	5Z	0	0	0.0%	0	0.0%	364	0	0.0%
COLUMBIA GULF ONSHORE	GL	0	0	0.0%	0	-	0	0	0.0%
CONWAY NATURAL GASOLINE (OPIS) SWAP	8L	489	127	285.0%	570	-14.2%	2,292	1,624	41.1%
CONWAY NORMAL BUTANE (OPIS) SWAP	8M	736	135	445.2%	760	-3.2%	4,292	2,671	60.7%
CONWAY PROPANE 5 DECIMALS SWAP	8K	12,554	13,861	-9.4%	14,126	-11.1%	135,374	144,405	-6.3%
CRUDE OIL	LPS	3,300	4,080	-19.1%	2,835	16.4%	25,960	41,935	-38.1%
CRUDE OIL OUTRIGHTS	42	604	367	64.6%	50	1,108.0%	3,705	2,262	63.8%
CRUDE OIL OUTRIGHTS	CC5	120	90	33.3%	120	0.0%	3,311	90	3,578.9%



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CRUDE OIL OUTRIGHTS	CPD	0	0	0.0%	0	0.0%	0	2,956	-100.0%
CRUDE OIL OUTRIGHTS	CSN	0	0	0.0%	0	-	0	0	0.0%
CRUDE OIL OUTRIGHTS	CSW	0	720	-100.0%	272	-100.0%	3,192	2,285	39.7%
CRUDE OIL OUTRIGHTS	DBL	0	0	0.0%	0	0.0%	400	99	304.0%
CRUDE OIL OUTRIGHTS	FE	0	0	0.0%	0	-	0	0	0.0%
CRUDE OIL OUTRIGHTS	GSW	0	0	0.0%	0	0.0%	276	105	162.9%
CRUDE OIL OUTRIGHTS	HTT	55,218	29,964	84.3%	38,902	41.9%	513,864	437,532	17.4%
CRUDE OIL OUTRIGHTS	LSW	0	0	0.0%	30	-100.0%	3,168	320	890.0%
CRUDE OIL OUTRIGHTS	SSW	0	0	0.0%	0	0.0%	0	0	0.0%
CRUDE OIL OUTRIGHTS	UMD	0	0	0.0%	0	0.0%	0	4,800	-100.0%
CRUDE OIL OUTRIGHTS	UNS	0	0	0.0%	0	0.0%	0	7,554	-100.0%
CRUDE OIL OUTRIGHTS	WCC	0	0	0.0%	0	0.0%	0	0	0.0%
CRUDE OIL OUTRIGHTS	WCW	2,258	4,051	-44.3%	1,610	40.2%	36,162	60,361	-40.1%
CRUDE OIL PHY	CLL	0	0	0.0%	0	0.0%	0	0	0.0%
CRUDE OIL PHY	HCL	6,139	0	-	12,616	-51.3%	162,030	0	-
CRUDE OIL SPRDS	38	0	0	0.0%	0	0.0%	0	2,055	-100.0%
CRUDE OIL SPRDS	HIL	0	0	-	0	0.0%	720	0	-
CRUDE OIL SPRDS	WTT	16,185	29,978	-46.0%	13,150	23.1%	195,615	396,122	-50.6%
CRUDE OIL TRADE AT MARKER SINGAPORE	CLS	0	0	0.0%	0	0.0%	0	0	0.0%
DAILY PJM	AOR	0	0	0.0%	0	0.0%	0	0	0.0%
DAILY PJM	IDO	0	0	0.0%	0	0.0%	0	0	0.0%
DAILY PJM	NOC	0	0	0.0%	0	0.0%	0	0	0.0%
DAILY PJM	PAP	0	0	0.0%	0	0.0%	0	0	0.0%
DAILY PJM	PEO	0	0	0.0%	0	0.0%	0	0	0.0%
DAILY PJM	PNO	0	0	0.0%	0	0.0%	0	0	0.0%
DAILY PJM	PNP	0	0	0.0%	0	0.0%	0	0	0.0%
DAILY PJM	PWO	0	0	0.0%	0	0.0%	0	0	0.0%
DAILY PJM	PWP	0	0	0.0%	0	0.0%	0	0	0.0%
DAILY PJM	WOR	0	0	0.0%	0	0.0%	0	0	0.0%
DAILY PJM	ZAO	0	0	0.0%	0	0.0%	0	0	0.0%
DAILY PJM	ZGO	0	0	0.0%	0	0.0%	0	0	0.0%
DAILY PJM	ZJO	0	0	0.0%	0	0.0%	0	0	0.0%
DATED BRENT (PLATTS) DAILY SWAP	7G	0	0	0.0%	0	-	0	0	0.0%
DATED TO FRONTLINE BRENT	FY	0	75	-100.0%	0	0.0%	1,000	3,210	-68.8%
DIESEL 10P BRG FOB RDM VS	7X	0	0	0.0%	0	0.0%	0	5	-100.0%
DIESEL 10PPM BARGES FOB B	U7	0	0	0.0%	0	-	0	0	0.0%

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<b>Energy Futures</b>									
DOMINION TRAN INC - APP I	IH	0	0	0.0%	0	0.0%	0	0	0.0%
DOMINION TRANSMISSION INC	PG	0	0	0.0%	0	0.0%	0	126	-100.0%
DUBAI CRUDE OIL BALMO	BI	0	0	0.0%	0	0.0%	0	125	-100.0%
DUBAI CRUDE OIL CALENDAR	DC	152	22,230	-99.3%	125	21.6%	17,815	37,132	-52.0%
DUTCH TTF NATURAL GAS CAL MONTH FUT	TTF	11,641	6,557	77.5%	9,459	23.1%	80,342	14,154	467.6%
DY EURO 3.5% FUEL OI RDA	FOR	0	0	0.0%	0	-	0	0	0.0%
EASTERN RAIL DELIVERY CSX	QX	0	0	0.0%	0	0.0%	0	245	-100.0%
EAST/WEST FUEL OIL SPREAD	EW	0	0	0.0%	0	0.0%	20	187	-89.3%
EIA FLAT TAX ONHWAY DIESE	A5	596	863	-30.9%	119	400.8%	3,357	2,549	31.7%
ELEC ERCOT DLY OFF PK	I4	0	0	0.0%	0	0.0%	0	0	0.0%
ELEC ERCOT DLY PEAK	I3	0	0	0.0%	0	0.0%	0	0	0.0%
ELEC ERCOT DLY PEAK	I7	0	0	0.0%	0	0.0%	0	0	0.0%
ELEC ERCOT OFF PEAK	I2	0	0	0.0%	0	0.0%	0	19,600	-100.0%
ELEC FINSETTLED	47	0	0	0.0%	0	0.0%	0	0	0.0%
ELEC FINSETTLED	49	0	0	0.0%	0	-	0	0	0.0%
ELEC MISO PEAK	4L	0	0	0.0%	0	0.0%	0	0	0.0%
ELEC MISO PEAK	55	0	0	0.0%	0	0.0%	0	0	0.0%
ELEC NYISO OFF-PEAK	4M	0	0	0.0%	0	0.0%	0	0	0.0%
ELEC NYISO OFF-PEAK	58	0	0	0.0%	0	0.0%	0	0	0.0%
ELECTRICITY ERCOT PEAK	ERE	0	0	0.0%	0	-	0	0	0.0%
ELECTRICITY OFF PEAK	46	0	0	0.0%	0	0.0%	0	0	0.0%
ELECTRICITY OFF PEAK	4P	0	0	-	0	0.0%	0	0	-
ELECTRICITY OFF PEAK	50	0	0	0.0%	0	-	0	0	0.0%
ELEC WEST POWER OFF-PEAK	MDA	0	0	0.0%	0	-	0	0	0.0%
ELEC WEST POWER PEAK	MDC	0	0	0.0%	0	-	0	0	0.0%
ERCOT DAILY 5MW PEAK	ERW	0	0	0.0%	0	-	0	0	0.0%
ERCOT HOUSTON Z MCPE 5MW PEAK SWAP	I1	0	0	0.0%	0	0.0%	0	1,950	-100.0%
ERCOT NORTH ZMCPE 5MW OFFPEAK	I8	0	0	0.0%	0	0.0%	0	0	0.0%
ERCOT NORTH ZMCPE 5MW OFFPEAK SWAP	I6	0	0	0.0%	0	0.0%	0	19,600	-100.0%
ERCOT NORTH ZMCPE 5MW PEAK	I5	0	0	0.0%	0	0.0%	0	5,050	-100.0%
ETHANOL	MTH	0	0	-	0	0.0%	40	0	-
ETHANOL	Z1B	0	0	-	0	0.0%	0	0	-
ETHANOL SWAP	MT2	220	60	266.7%	20	1,000.0%	770	330	133.3%
ETHANOL T2 FOB ROTT INCL DUTY SWAP	Z1	2,808	2,912	-3.6%	2,983	-5.9%	29,269	26,355	11.1%
EURO 1% FUEL OIL NEW BALM	KX	0	8	-100.0%	0	0.0%	3	33	-90.9%
EURO 3.5% FUEL OIL RDAM B	KR	156	110	41.8%	11	1,318.2%	458	5,277	-91.3%

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EURO 3.5% FUEL OIL SPREAD	FK	0	0	0.0%	0	0.0%	147	834	-82.4%
EURO-DENOMINATED PETRO PROD	NCP	0	0	0.0%	0	0.0%	0	640	-100.0%
EURO GASOIL 10PPM VS ICE	ET	0	0	0.0%	0	0.0%	0	370	-100.0%
EUROPE 1% FUEL OIL NWE CA	UF	63	0	0.0%	13	384.6%	526	366	43.7%
EUROPE 1% FUEL OIL RDAM C	UH	0	0	0.0%	0	0.0%	0	3	-100.0%
EUROPE 3.5% FUEL OIL MED	UI	0	60	-100.0%	18	-100.0%	385	828	-53.5%
EUROPE 3.5% FUEL OIL RDAM	UV	803	2,176	-63.1%	762	5.4%	8,838	70,557	-87.5%
EUROPEAN GASOIL (ICE)	7F	188	670	-71.9%	84	123.8%	1,004	4,321	-76.8%
EUROPEAN NAPHTHA BALMO	KZ	55	119	-53.8%	8	587.5%	1,398	2,408	-41.9%
EUROPEAN NAPHTHA CRACK SPR	EN	1,831	6,419	-71.5%	2,036	-10.1%	36,091	78,910	-54.3%
EUROPE DATED BRENT SWAP	UB	0	1,090	-100.0%	0	0.0%	1,633	1,090	49.8%
EUROPE JET KERO NWE CALSW	UJ	3	0	0.0%	0	0.0%	8	39	-79.5%
EUROPE NAPHTHA CALSWAP	UN	849	2,979	-71.5%	509	66.8%	16,242	30,288	-46.4%
EURO PROPANE CIF ARA SWA	PS	1,691	1,393	21.4%	1,671	1.2%	17,201	15,353	12.0%
FLORIDA GAS ZONE3 BASIS S	FP	0	0	0.0%	0	-	0	0	0.0%
FREIGHT MARKETS	ACB	0	0	-	0	0.0%	420	0	-
FREIGHT MARKETS	FLP	24	216	-88.9%	242	-90.1%	1,409	1,283	9.8%
FREIGHT MARKETS	FRC	102	0	0.0%	90	13.3%	1,312	600	118.7%
FREIGHT MARKETS	FRS	0	0	0.0%	0	0.0%	70	0	0.0%
FREIGHT MARKETS	T2D	215	375	-42.7%	240	-10.4%	4,555	2,498	82.3%
FREIGHT MARKETS	TC6	0	0	0.0%	0	0.0%	0	240	-100.0%
FREIGHT MARKETS	TD3	0	0	0.0%	0	0.0%	140	30	366.7%
FREIGHT MARKETS	TD8	0	0	-	0	0.0%	60	0	-
FREIGHT MARKETS	USC	110	0	-	100	10.0%	270	0	-
FUEL OIL CRACK VS ICE	FO	1,401	1,168	19.9%	2,843	-50.7%	15,412	33,245	-53.6%
FUEL OIL NWE CRACK VS ICE	FI	0	0	0.0%	0	0.0%	15	171	-91.2%
FUEL OIL (PLATS) CAR CM	1W	0	0	0.0%	0	0.0%	6	154	-96.1%
FUEL OIL (PLATS) CAR CN	1X	0	0	0.0%	0	0.0%	0	120	-100.0%
FUELOIL SWAP:CARGOES VS.B	FS	13	140	-90.7%	10	30.0%	1,439	2,018	-28.7%
GAS EURO-BOB OXY NWE BARGES	7H	2,363	6,960	-66.0%	1,622	45.7%	46,822	69,108	-32.2%
GAS EURO-BOB OXY NWE BARGES CRK	7K	5,443	11,584	-53.0%	3,880	40.3%	72,388	164,316	-55.9%
GASOIL 0.1 CIF MED SWAP	Z4	0	0	0.0%	0	-	0	0	0.0%
GASOIL 0.1CIF MED VS ICE	Z5	0	0	0.0%	0	0.0%	0	10	-100.0%
GASOIL 0.1 CIF NWE VS ISE	TU	0	0	0.0%	0	0.0%	10	0	0.0%
GASOIL 0.1 CIF VS ICE GAS	8W	0	0	0.0%	0	-	0	0	0.0%
GASOIL 0.1 RDAM BRGS VS I	WQ	0	0	0.0%	0	0.0%	21	10	110.0%

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<b>Energy Futures</b>									
GASOIL 0.1 ROTTERDAM BARG	VL	35	195	-82.1%	0	0.0%	138	1,455	-90.5%
GASOIL 10P CRG CIF NW VS	3V	0	0	0.0%	0	-	0	0	0.0%
GASOIL 10PPM VS ICE SWAP	TP	0	0	0.0%	0	0.0%	39	12	225.0%
GASOIL BULLET SWAP	BG	0	0	0.0%	0	-	0	0	0.0%
GASOIL CALENDAR SWAP	GX	6	0	0.0%	39	-84.6%	135	54	150.0%
GASOIL CRACK SPREAD CALEN	GZ	552	1,850	-70.2%	120	360.0%	5,666	37,402	-84.9%
GASOIL MINI CALENDAR SWAP	QA	414	270	53.3%	612	-32.4%	2,724	1,712	59.1%
GERMAN POWER BASELOAD CAL MONTH FU	DEB	2,354	111	2,020.7%	1,913	23.1%	21,702	3,102	599.6%
GROUP THREE ULSD (PLATTS)	A7	0	0	0.0%	0	0.0%	0	205	-100.0%
GROUP THREE UNLEAD GAS (P	A9	0	0	0.0%	300	-100.0%	300	425	-29.4%
GRP THREE ULSD(PLT)VS HEA	A6	4,333	4,200	3.2%	3,270	32.5%	32,598	31,918	2.1%
GRP THREE UNL GS (PLT) VS	A8	2,095	2,345	-10.7%	1,370	52.9%	23,282	18,122	28.5%
GULF COAST 3% FUEL OIL BA	VZ	2,229	271	722.5%	663	236.2%	7,830	11,737	-33.3%
GULF COAST JET FUEL CLNDR	GE	0	39	-100.0%	0	0.0%	267	1,195	-77.7%
GULF COAST JET VS NYM 2 H	ME	18,854	40,890	-53.9%	18,687	0.9%	189,951	342,498	-44.5%
GULF COAST NO.6 FUEL OIL	MF	22,691	32,342	-29.8%	21,075	7.7%	209,228	504,719	-58.5%
GULF COAST NO.6 FUEL OIL	MG	70	921	-92.4%	80	-12.5%	1,643	15,794	-89.6%
GULF COAST ULSD CALENDAR	LY	586	863	-32.1%	200	193.0%	3,628	2,888	25.6%
GULF COAST ULSD CRACK SPR	GY	360	0	0.0%	0	0.0%	360	1,295	-72.2%
HEATING OIL BALMO CLNDR S	1G	0	20	-100.0%	0	0.0%	565	243	132.5%
HEATING OIL CRCK SPRD BAL	1H	0	0	-	0	0.0%	18	0	-
HEATING OIL PHY	HOL	0	0	0.0%	0	0.0%	0	0	0.0%
HENRY HUB BASIS SWAP	HB	3,184	7,936	-59.9%	0	0.0%	15,610	15,430	1.2%
HENRY HUB FINANCIAL LAST	NBP	0	3,831	-100.0%	0	0.0%	0	26,296	-100.0%
HENRY HUB FINANCIAL LAST	TTE	0	30	-100.0%	0	0.0%	0	885	-100.0%
HENRY HUB INDEX SWAP FUTU	IN	3,184	7,936	-59.9%	0	0.0%	15,610	15,430	1.2%
HENRY HUB SWAP	NN	107,139	110,276	-2.8%	35,392	202.7%	921,817	1,517,332	-39.2%
HOUSTON SHIP CHANNEL BASI	NH	0	0	0.0%	0	0.0%	736	0	0.0%
HUSTN SHIP CHNL PIPE SWP	XJ	0	0	0.0%	0	-	0	0	0.0%
ICE BRENT DUBAI SWAP	DB	8,283	7,627	8.6%	2,030	308.0%	49,427	90,578	-45.4%
ICE GASOIL BALMO SWAP	U9	0	0	0.0%	0	-	0	0	0.0%
IN DELIVERY MONTH EUA	6T	0	0	0.0%	0	0.0%	0	0	0.0%
INDIANA MISO	FAD	0	0	0.0%	0	0.0%	0	0	0.0%
INDIANA MISO	FTD	0	0	0.0%	0	0.0%	0	0	0.0%
INDIANA MISO	FTM	0	0	0.0%	0	-	0	0	0.0%
INDIANA MISO	PDD	0	0	0.0%	0	0.0%	0	0	0.0%

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## NYMEX/COMEX Exchange Volume Report - Monthly

Commodity		VOLUME SEP 2019	VOLUME SEP 2018	% CHG	VOLUME AUG 2019	% CHG	VOLUME Y.T.D 2019	VOLUME Y.T.D 2018	% CHG
<b>Energy Futures</b>									
INDIANA MISO	PTD	0	0	0.0%	0	0.0%	0	0	0.0%
INDONESIAN COAL	MCC	0	0	0.0%	0	-	0	0	0.0%
INDONESIAN COAL ICI4	ICI	350	265	32.1%	205	70.7%	3,315	1,250	165.2%
ISO NEW ENGLAND OFF-PEAK	KI	0	0	0.0%	0	0.0%	0	0	0.0%
ISO NEW ENGLAND PK LMP	NI	0	0	0.0%	0	0.0%	0	0	0.0%
JAPAN C&F NAPHTHA CRACK S	JB	0	0	0.0%	27	-100.0%	196	1,689	-88.4%
JAPAN C&F NAPHTHA SWAP	JA	471	1,758	-73.2%	469	0.4%	9,623	18,247	-47.3%
JAPAN NAPHTHA BALMO SWAP	E6	5	28	-82.1%	39	-87.2%	333	526	-36.7%
JET AV FUEL (P) CAR FM ICE GAS SWAP	1V	0	0	0.0%	0	0.0%	0	5	-100.0%
JET CIF NWE VS ICE	JC	132	12	1,000.0%	30	340.0%	232	642	-63.9%
JET FUEL BRG FOB RDM VS I	9Q	0	0	0.0%	0	-	0	0	0.0%
JET FUEL CRG CIF NEW VS I	6X	132	0	0.0%	0	-	132	0	0.0%
JET FUEL UP-DOWN BALMO CL	1M	3,090	5,320	-41.9%	2,775	11.4%	37,178	53,077	-30.0%
JKM LNG Futures	JKM	855	796	7.4%	1,535	-44.3%	13,366	10,014	33.5%
LA CARB DIESEL (OPIS)	LX	0	0	0.0%	0	-	0	0	0.0%
LA CARB DIESEL (OPIS) SWA	KL	0	100	-100.0%	50	-100.0%	375	2,730	-86.3%
LA CARBOB GASOLINE(OPIS)S	JL	25	100	-75.0%	175	-85.7%	2,875	4,250	-32.4%
LA JET FUEL VS NYM NO 2 H	MQ	0	0	0.0%	0	-	0	0	0.0%
LA JET (OPIS) SWAP	JS	750	950	-21.1%	1,179	-36.4%	11,234	18,593	-39.6%
LLS (ARGUS) CALENDAR SWAP	XA	0	0	0.0%	0	0.0%	0	607	-100.0%
LLS (ARGUS) VS WTI SWAP	WJ	575	4,750	-87.9%	60	858.3%	17,174	51,462	-66.6%
LOS ANGELES CARB GASOLINE	MH	0	0	-	0	0.0%	10	0	-
MARS (ARGUS) VS WTI SWAP	YX	800	785	1.9%	810	-1.2%	14,430	19,985	-27.8%
MARS (ARGUS) VS WTI TRD M	YV	12,327	9,945	24.0%	17,370	-29.0%	161,281	191,491	-15.8%
MARS BLEND CRUDE OIL	MB	0	0	0.0%	0	0.0%	0	2,319	-100.0%
MCCLOSKEY ARA ARGS COAL	MTF	33,149	24,612	34.7%	25,303	31.0%	269,006	217,680	23.6%
MCCLOSKEY RCH BAY COAL	MFF	1,921	2,243	-14.4%	1,375	39.7%	20,560	28,726	-28.4%
MGF FUT	MGF	0	0	0.0%	0	0.0%	0	218	-100.0%
MGN1 SWAP FUT	MGN	0	60	-100.0%	130	-100.0%	490	633	-22.6%
MICHIGAN BASIS	NF	0	0	0.0%	0	0.0%	0	0	0.0%
MICHIGAN MISO	HMO	0	0	0.0%	0	0.0%	0	0	0.0%
MICHIGAN MISO	HMW	0	0	0.0%	0	0.0%	0	0	0.0%
MINI GAS EUROBOB OXY NWE ARGS BALMO	MEB	99	238	-58.4%	532	-81.4%	1,975	3,189	-38.1%
MINI RBOB V. EBOBARG NWE BRGS BALMO	MXR	320	348	-8.0%	0	0.0%	3,820	3,383	12.9%
MINI RBOB V. EBOB(ARGUS) NWE BRGS	MXB	829	1,982	-58.2%	639	29.7%	18,350	15,549	18.0%
MJC FUT	MJC	0	0	0.0%	0	0.0%	150	1,325	-88.7%





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<b>Energy Futures</b>									
MNC FUT	MNC	1,463	4,192	-65.1%	2,840	-48.5%	32,936	35,121	-6.2%
MONT BELVIEU ETHANE 5 DECIMAL	C0	21,568	22,944	-6.0%	19,218	12.2%	146,066	148,003	-1.3%
MONT BELVIEU ETHANE OPIS BALMO	8C	85	195	-56.4%	60	41.7%	1,364	1,485	-8.1%
MONT BELVIEU LDH PROPANE 5 DECIMAL	B0	138,491	112,962	22.6%	157,461	-12.0%	1,308,423	1,076,999	21.5%
MONT BELVIEU LDH PROPANE OPIS BALMO	8O	2,054	1,938	6.0%	2,746	-25.2%	26,871	23,551	14.1%
MONT BELVIEU NATURAL GASOLINE 5 DEC	7Q	10,886	8,955	21.6%	6,184	76.0%	73,905	72,888	1.4%
MONT BELVIEU NATURAL GASOLINE BALMO	R0	595	125	376.0%	405	46.9%	5,724	3,351	70.8%
MONT BELVIEU NORMAL BUTANE 5 DECIMAL	D0	58,118	36,686	58.4%	52,185	11.4%	424,314	309,135	37.3%
MONT BELVIEU NORMAL BUTANE BALMO	8J	917	921	-0.4%	1,533	-40.2%	11,594	9,522	21.8%
NAT GAS BASIS SWAP	TZ6	0	0	0.0%	0	0.0%	0	0	0.0%
NATURAL GAS	XIC	0	0	0.0%	0	0.0%	0	0	0.0%
NATURAL GAS FIXED PRICE SWAP FUTURES	DSF	0	0	0.0%	0	-	0	0	0.0%
NATURAL GAS INDEX	TZI	0	0	0.0%	0	-	0	0	0.0%
NATURAL GAS PEN SWP	NP	49,118	24,871	97.5%	23,866	105.8%	275,582	304,813	-9.6%
NEPOOL CNCTCT 5MW D AH O	P3	0	0	0.0%	0	0.0%	0	0	0.0%
NEPOOL CONECTIC 5MW D AH	P2	0	0	0.0%	0	0.0%	0	0	0.0%
NEPOOL INTR HUB 5MW D AH	H2	0	25,355	-100.0%	55,040	-100.0%	71,600	104,875	-31.7%
NEPOOL INTR HUB 5MW D AH	U6	0	6,640	-100.0%	0	0.0%	0	11,016	-100.0%
NEPOOL NE MASS 5MW D AH O	P8	0	0	0.0%	0	0.0%	0	0	0.0%
NEPOOL NE MASS 5MW D AH P	P7	0	0	0.0%	0	0.0%	0	0	0.0%
NEPOOL RHD ISLD 5MW D AH	U4	0	0	0.0%	0	0.0%	0	0	0.0%
NEPOOL RHODE IL 5MW D AH	U5	0	0	0.0%	0	0.0%	0	0	0.0%
NEPOOL W CNT MASS 5MW D A	L9	0	0	0.0%	0	0.0%	0	0	0.0%
NEPOOL W CNTR M 5MW D AH	R6	0	0	0.0%	0	0.0%	0	0	0.0%
NEW ENGLAND HUB PEAK DAIL	CE	0	0	0.0%	0	0.0%	0	0	0.0%
NEW YORK ETHANOL SWAP	EZ	1,152	850	35.5%	272	323.5%	6,873	11,516	-40.3%
NEW YORK HUB ZONE G PEAK	GN	0	0	0.0%	0	0.0%	0	0	0.0%
NEW YORK HUB ZONE J PEAK	JN	0	0	0.0%	0	0.0%	0	0	0.0%
NGPL MID-CONTINENT	NL	520	1,480	-64.9%	0	0.0%	1,760	1,880	-6.4%
NGPL TEX/OK	PD	120	2,280	-94.7%	0	0.0%	2,696	25,116	-89.3%
N ILLINOIS HUB DAILY	UD	0	0	0.0%	0	0.0%	0	0	0.0%
N ILLINOIS HUB MTHLY	UM	0	0	0.0%	0	0.0%	0	0	0.0%
NO 2 UP-DOWN SPREAD CALEN	UT	150	425	-64.7%	0	0.0%	825	2,983	-72.3%
NORTHEN NATURAL GAS DEMAR	PE	0	0	0.0%	0	0.0%	0	0	0.0%
NORTHEN NATURAL GAS VENTU	PF	0	0	0.0%	0	0.0%	0	100	-100.0%
NORTHERN ILLINOIS OFF-PEA	UO	0	0	0.0%	0	-	0	0	0.0%

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<b>Energy Futures</b>									
NORTHWEST ROCKIES BASIS S	NR	0	0	0.0%	0	0.0%	3,106	0	0.0%
N ROCKIES PIPE SWAP	XR	0	0	0.0%	0	0.0%	0	59	-100.0%
NY1% VS GC SPREAD SWAP	VR	450	300	50.0%	704	-36.1%	4,297	13,233	-67.5%
NY 2.2% FUEL OIL (PLATTS	Y3	0	0	0.0%	0	-	0	0	0.0%
NY 3.0% FUEL OIL (PLATTS	H1	0	145	-100.0%	0	0.0%	775	1,795	-56.8%
NY HARBOR 1% FUEL OIL BAL	VK	0	0	0.0%	0	0.0%	25	50	-50.0%
NY HARBOR HEAT OIL SWP	MP	1,589	1,062	49.6%	1,685	-5.7%	18,753	17,091	9.7%
NY HARBOR LOW SULPUR GAS 1000MBBL	NLS	0	0	0.0%	0	0.0%	390	2,845	-86.3%
NY HARBOR RESIDUAL FUEL 1	MM	155	969	-84.0%	713	-78.3%	6,353	10,133	-37.3%
NY HARBOR RESIDUAL FUEL C	ML	0	0	-	0	0.0%	0	0	-
NYH NO 2 CRACK SPREAD CAL	HK	1,500	315	376.2%	390	284.6%	4,125	7,712	-46.5%
NYISO A	KA	0	0	0.0%	0	-	0	0	0.0%
NYISO A OFF-PEAK	KB	0	0	0.0%	0	-	0	0	0.0%
NYISO CAPACITY	LHV	380	0	0.0%	0	0.0%	620	246	152.0%
NYISO CAPACITY	NNC	0	120	-100.0%	0	0.0%	0	735	-100.0%
NYISO CAPACITY	NRS	0	0	0.0%	0	0.0%	60	275	-78.2%
NYISO G	KG	0	0	0.0%	0	-	0	0	0.0%
NYISO G OFF-PEAK	KH	0	0	0.0%	0	-	0	0	0.0%
NYISO J	KJ	0	0	0.0%	0	0.0%	0	0	0.0%
NYISO J OFF-PEAK	KK	0	0	0.0%	0	0.0%	0	0	0.0%
NYISO ZONE A 5MW D AH O P	K4	0	0	0.0%	0	0.0%	0	0	0.0%
NYISO ZONE A 5MW D AH PK	K3	0	0	0.0%	0	0.0%	0	0	0.0%
NYISO ZONE C 5MW D AH O P	A3	0	0	0.0%	0	-	0	0	0.0%
NYISO ZONE C 5MW D AH PK	Q5	0	0	0.0%	0	-	0	0	0.0%
NYISO ZONE G 5MW D AH O P	D2	0	0	0.0%	55,040	-100.0%	101,424	600,854	-83.1%
NYISO ZONE G 5MW D AH PK	T3	0	1,510	-100.0%	0	0.0%	8,174	19,794	-58.7%
NYISO ZONE J 5MW D AH O P	D4	0	0	0.0%	0	0.0%	0	0	0.0%
NYISO ZONE J 5MW D AH PK	D3	0	0	0.0%	0	0.0%	0	0	0.0%
NYMEX ALUMINUM FUTURES	AN	0	0	0.0%	0	0.0%	0	0	0.0%
NYMEX ULSD VS NYMEX HO	UY	0	0	0.0%	0	0.0%	1,450	0	0.0%
NY ULSD (ARGUS) VS HEATING OIL	7Y	0	0	0.0%	100	-100.0%	1,595	213	648.8%
ONEOK OKLAHOMA NG BASIS	8X	1,860	1,240	50.0%	0	0.0%	1,860	2,704	-31.2%
ONTARIO POWER SWAPS	OFD	0	0	0.0%	0	0.0%	0	0	0.0%
ONTARIO POWER SWAPS	OFM	0	0	0.0%	0	-	0	0	0.0%
ONTARIO POWER SWAPS	OPD	0	0	0.0%	25	-100.0%	25	10	150.0%
ONTARIO POWER SWAPS	OPM	0	0	0.0%	0	0.0%	100	0	0.0%

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<b>Energy Futures</b>									
PANHANDLE BASIS SWAP FUTU	PH	0	0	0.0%	0	0.0%	0	275	-100.0%
PANHANDLE PIPE SWAP	XH	0	0	0.0%	0	0.0%	0	0	0.0%
PERMIAN BASIS SWAP	PM	0	0	0.0%	0	0.0%	0	0	0.0%
PETROCHEMICALS	22	196	240	-18.3%	161	21.7%	1,523	1,546	-1.5%
PETROCHEMICALS	32	72	120	-40.0%	67	7.5%	930	1,474	-36.9%
PETROCHEMICALS	3NA	0	0	-	0	0.0%	49	0	-
PETROCHEMICALS	51	0	0	0.0%	0	0.0%	77	23	234.8%
PETROCHEMICALS	8I	932	603	54.6%	845	10.3%	5,814	6,287	-7.5%
PETROCHEMICALS	91	716	485	47.6%	531	34.8%	4,454	3,672	21.3%
PETROCHEMICALS	HPE	0	0	0.0%	0	-	0	0	0.0%
PETROCHEMICALS	MAA	0	0	0.0%	0	0.0%	280	50	460.0%
PETROCHEMICALS	MAC	0	0	0.0%	0	-	0	0	0.0%
PETROCHEMICALS	MAE	540	260	107.7%	622	-13.2%	3,501	1,752	99.8%
PETROCHEMICALS	MAS	252	395	-36.2%	296	-14.9%	2,034	1,541	32.0%
PETROCHEMICALS	MBE	290	940	-69.1%	320	-9.4%	3,005	7,630	-60.6%
PETROCHEMICALS	MNB	344	1,298	-73.5%	118	191.5%	6,055	17,617	-65.6%
PETROCHEMICALS	MPS	309	120	157.5%	175	76.6%	2,067	1,010	104.7%
PETRO CRCKS & SPRDS ASIA	JNC	0	0	0.0%	0	0.0%	0	0	0.0%
PETRO CRCKS & SPRDS ASIA	STI	0	0	0.0%	0	0.0%	50	0	0.0%
PETRO CRCKS & SPRDS ASIA	STR	0	0	0.0%	0	0.0%	0	100	-100.0%
PETRO CRCKS & SPRDS ASIA	STS	50	0	0.0%	50	0.0%	332	509	-34.8%
PETRO CRCKS & SPRDS NA	CRB	6,460	5,560	16.2%	8,761	-26.3%	61,886	17,565	252.3%
PETRO CRCKS & SPRDS NA	EXR	1,113	2,957	-62.4%	1,261	-11.7%	22,555	25,827	-12.7%
PETRO CRCKS & SPRDS NA	FOC	300	1,050	-71.4%	150	100.0%	3,670	6,625	-44.6%
PETRO CRCKS & SPRDS NA	GBB	500	975	-48.7%	250	100.0%	5,718	11,310	-49.4%
PETRO CRCKS & SPRDS NA	GCC	0	0	0.0%	0	0.0%	0	1,740	-100.0%
PETRO CRCKS & SPRDS NA	GCI	659	540	22.0%	1,064	-38.1%	11,418	13,087	-12.8%
PETRO CRCKS & SPRDS NA	GCM	300	0	0.0%	0	0.0%	300	163	84.0%
PETRO CRCKS & SPRDS NA	GCU	1,302	4,705	-72.3%	2,919	-55.4%	27,984	113,369	-75.3%
PETRO CRCKS & SPRDS NA	GFC	0	0	0.0%	0	0.0%	100	40	150.0%
PETRO CRCKS & SPRDS NA	HOB	2,195	564	289.2%	5,820	-62.3%	16,657	8,597	93.8%
PETRO CRCKS & SPRDS NA	KSD	0	0	0.0%	0	-	0	0	0.0%
PETRO CRCKS & SPRDS NA	MFR	0	0	0.0%	0	0.0%	0	4	-100.0%
PETRO CRCKS & SPRDS NA	NFG	0	0	0.0%	0	0.0%	0	50	-100.0%
PETRO CRCKS & SPRDS NA	NYF	0	0	0.0%	0	0.0%	75	0	0.0%
PETRO CRCKS & SPRDS NA	NYH	0	0	0.0%	0	-	0	0	0.0%

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Commodity		VOLUME SEP 2019	VOLUME SEP 2018	% CHG	VOLUME AUG 2019	% CHG	VOLUME Y.T.D 2019	VOLUME Y.T.D 2018	% CHG
<b>Energy Futures</b>									
PETRO CRCKS & SPRDS NA	RBB	7,279	5,497	32.4%	2,278	219.5%	67,101	48,760	37.6%
PETRO CRCKS & SPRDS NA	RVG	10,128	10,750	-5.8%	8,580	18.0%	120,826	143,843	-16.0%
PETRO CRCKS & SPRDS NA	SF3	171	0	0.0%	190	-10.0%	1,055	321	228.7%
PETRO CRK&SPRD EURO	1NB	510	1,022	-50.1%	140	264.3%	10,083	16,833	-40.1%
PETRO CRK&SPRD EURO	1ND	0	0	0.0%	0	0.0%	0	100	-100.0%
PETRO CRK&SPRD EURO	43	0	390	-100.0%	0	0.0%	155	3,369	-95.4%
PETRO CRK&SPRD EURO	BFR	0	0	0.0%	0	0.0%	60	0	0.0%
PETRO CRK&SPRD EURO	BOB	1,034	633	63.3%	935	10.6%	5,076	15,365	-67.0%
PETRO CRK&SPRD EURO	EGB	0	0	0.0%	0	-	0	0	0.0%
PETRO CRK&SPRD EURO	EGN	0	0	0.0%	0	-	0	0	0.0%
PETRO CRK&SPRD EURO	EOB	0	25	-100.0%	0	0.0%	23	213	-89.2%
PETRO CRK&SPRD EURO	EPN	337	768	-56.1%	720	-53.2%	5,200	8,108	-35.9%
PETRO CRK&SPRD EURO	EVC	1,988	931	113.5%	578	243.9%	5,630	18,602	-69.7%
PETRO CRK&SPRD EURO	FBT	0	0	-	0	0.0%	60	0	-
PETRO CRK&SPRD EURO	FVB	0	0	0.0%	0	0.0%	0	30	-100.0%
PETRO CRK&SPRD EURO	GCB	0	0	0.0%	100	-100.0%	517	680	-24.0%
PETRO CRK&SPRD EURO	GOC	0	0	0.0%	0	0.0%	0	84	-100.0%
PETRO CRK&SPRD EURO	MGB	0	30	-100.0%	0	0.0%	120	110	9.1%
PETRO CRK&SPRD EURO	MUD	0	0	0.0%	30	-100.0%	110	163	-32.5%
PETRO CRK&SPRD EURO	NBB	0	10	-100.0%	0	0.0%	58	162	-64.2%
PETRO CRK&SPRD EURO	NOB	105	1,894	-94.5%	115	-8.7%	3,400	15,338	-77.8%
PETRO CRK&SPRD EURO	SFB	5	0	0.0%	0	0.0%	56	125	-55.2%
PETROLEUM PRODUCTS	1NM	30	0	-	65	-53.8%	738	0	-
PETROLEUM PRODUCTS	EWB	0	0	0.0%	0	-	0	0	0.0%
PETROLEUM PRODUCTS	EWG	525	6,571	-92.0%	575	-8.7%	20,530	42,524	-51.7%
PETROLEUM PRODUCTS	JCC	700	0	-	0	0.0%	720	0	-
PETROLEUM PRODUCTS	MBS	0	0	0.0%	0	-	0	0	0.0%
PETROLEUM PRODUCTS	MGS	0	0	0.0%	0	-	0	0	0.0%
PETROLEUM PRODUCTS	MME	0	0	0.0%	0	0.0%	0	30	-100.0%
PETROLEUM PRODUCTS	MPE	0	0	0.0%	0	0.0%	0	0	0.0%
PETROLEUM PRODUCTS	NCC	10	0	-	0	-	10	0	-
PETROLEUM PRODUCTS	R5F	6	0	-	0	0.0%	15	0	-
PETROLEUM PRODUCTS	S53	24	0	-	27	-11.1%	51	0	-
PETROLEUM PRODUCTS	UP5	66	0	-	0	-	66	0	-
PETROLEUM PRODUCTS	VU	13	0	0.0%	142	-90.8%	390	1,044	-62.6%
PETROLEUM PRODUCTS ASIA	E6M	0	20	-100.0%	60	-100.0%	128	654	-80.4%

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Commodity		VOLUME SEP 2019	VOLUME SEP 2018	% CHG	VOLUME AUG 2019	% CHG	VOLUME Y.T.D 2019	VOLUME Y.T.D 2018	% CHG
<b>Energy Futures</b>									
PETROLEUM PRODUCTS ASIA	MJN	735	1,750	-58.0%	900	-18.3%	13,381	17,184	-22.1%
PETROLEUM PRODUCTS ASIA	MSB	0	0	0.0%	20	-100.0%	20	0	0.0%
PETRO OUTRIGHT EURO	0B	50	0	0.0%	73	-31.5%	291	84	246.4%
PETRO OUTRIGHT EURO	0C	0	20	-100.0%	30	-100.0%	45	23	95.7%
PETRO OUTRIGHT EURO	0D	1,510	1,118	35.1%	1,180	28.0%	12,642	11,889	6.3%
PETRO OUTRIGHT EURO	0E	50	40	25.0%	0	0.0%	126	238	-47.1%
PETRO OUTRIGHT EURO	0F	254	346	-26.6%	448	-43.3%	3,384	4,911	-31.1%
PETRO OUTRIGHT EURO	1T	3	0	0.0%	0	0.0%	8	39	-79.5%
PETRO OUTRIGHT EURO	33	0	0	0.0%	0	0.0%	0	0	0.0%
PETRO OUTRIGHT EURO	5L	25	0	0.0%	0	0.0%	228	224	1.8%
PETRO OUTRIGHT EURO	63	62	0	0.0%	0	0.0%	77	172	-55.2%
PETRO OUTRIGHT EURO	6L	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTRIGHT EURO	7I	75	317	-76.3%	0	0.0%	719	899	-20.0%
PETRO OUTRIGHT EURO	7R	40	239	-83.3%	72	-44.4%	1,237	2,774	-55.4%
PETRO OUTRIGHT EURO	88	0	0	0.0%	0	0.0%	25	105	-76.2%
PETRO OUTRIGHT EURO	CBB	0	0	0.0%	15	-100.0%	15	55	-72.7%
PETRO OUTRIGHT EURO	CGB	0	0	0.0%	0	0.0%	20	0	0.0%
PETRO OUTRIGHT EURO	CPB	153	127	20.5%	70	118.6%	2,000	3,136	-36.2%
PETRO OUTRIGHT EURO	EFF	0	0	0.0%	56	-100.0%	172	116	48.3%
PETRO OUTRIGHT EURO	EFM	0	0	0.0%	0	0.0%	31	0	0.0%
PETRO OUTRIGHT EURO	ENS	17	40	-57.5%	15	13.3%	163	145	12.4%
PETRO OUTRIGHT EURO	ESB	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTRIGHT EURO	EWN	83	638	-87.0%	118	-29.7%	4,028	6,250	-35.6%
PETRO OUTRIGHT EURO	FBD	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTRIGHT EURO	FLB	0	5	-100.0%	0	0.0%	6	5	20.0%
PETRO OUTRIGHT EURO	GES	0	0	0.0%	0	0.0%	0	5	-100.0%
PETRO OUTRIGHT EURO	H5G	144	0	-	0	0.0%	264	0	-
PETRO OUTRIGHT EURO	M1B	458	0	-	0	-	458	0	-
PETRO OUTRIGHT EURO	M35	19	0	-	0	-	19	0	-
PETRO OUTRIGHT EURO	MBB	0	100	-100.0%	0	0.0%	0	271	-100.0%
PETRO OUTRIGHT EURO	MBN	220	409	-46.2%	540	-59.3%	3,062	8,787	-65.2%
PETRO OUTRIGHT EURO	MEF	456	408	11.8%	285	60.0%	3,139	423	642.1%
PETRO OUTRIGHT EURO	R53	30	0	-	0	0.0%	84	0	-
PETRO OUTRIGHT EURO	R5M	227	0	-	321	-29.3%	1,062	0	-
PETRO OUTRIGHT EURO	R5O	933	0	-	116	704.3%	1,185	0	-
PETRO OUTRIGHT EURO	S5F	18	0	-	23	-21.7%	41	0	-

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<b>Energy Futures</b>									
PETRO OUTRIGHT EURO	S5M	201	0	-	380	-47.1%	811	0	-
PETRO OUTRIGHT EURO	S5O	78	0	-	6	1,200.0%	84	0	-
PETRO OUTRIGHT EURO	SMU	100	75	33.3%	0	0.0%	725	553	31.1%
PETRO OUTRIGHT EURO	T0	0	0	0.0%	0	0.0%	0	9	-100.0%
PETRO OUTRIGHT EURO	T2B	0	0	-	0	0.0%	15	0	-
PETRO OUTRIGHT EURO	TMB	0	0	-	50	-100.0%	50	0	-
PETRO OUTRIGHT EURO	ULB	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTRIGHT EURO	V0	0	0	0.0%	0	0.0%	0	980	-100.0%
PETRO OUTRIGHT EURO	X0	0	116	-100.0%	0	0.0%	0	116	-100.0%
PETRO OUTRIGHT NA	FCB	0	152	-100.0%	0	0.0%	426	744	-42.7%
PETRO OUTRIGHT NA	FOM	0	8	-100.0%	0	0.0%	0	8	-100.0%
PETRO OUTRIGHT NA	JE	180	0	0.0%	0	0.0%	240	69	247.8%
PETRO OUTRIGHT NA	JET	1,475	5,935	-75.1%	1,575	-6.3%	21,130	27,155	-22.2%
PETRO OUTRIGHT NA	JTB	1,025	700	46.4%	475	115.8%	6,775	4,560	48.6%
PETRO OUTRIGHT NA	MBL	204	0	0.0%	0	0.0%	204	40	410.0%
PETRO OUTRIGHT NA	MEN	128	410	-68.8%	10	1,180.0%	1,454	3,978	-63.4%
PETRO OUTRIGHT NA	MEO	1,005	2,539	-60.4%	1,119	-10.2%	21,057	32,708	-35.6%
PETRO OUTRIGHT NA	MFD	0	0	0.0%	0	0.0%	295	100	195.0%
PETRO OUTRIGHT NA	MMF	40	56	-28.6%	83	-51.8%	795	130	511.5%
PETRO OUTRIGHT NA	NYT	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTRIGHT NA	XER	0	0	0.0%	0	0.0%	0	300	-100.0%
PJM AD HUB 5MW REAL TIME	V3	0	13,365	-100.0%	0	0.0%	117,180	41,397	183.1%
PJM AD HUB 5MW REAL TIME	Z9	0	420	-100.0%	0	0.0%	2,560	13,073	-80.4%
PJM AECO DA OFF-PEAK	X1	0	0	0.0%	0	-	0	0	0.0%
PJM AECO DA PEAK	Y1	0	0	0.0%	0	-	0	0	0.0%
PJM APS ZONE DA OFF-PEAK	W4	0	0	0.0%	0	-	0	0	0.0%
PJM APS ZONE DA PEAK	S4	0	0	0.0%	0	-	0	0	0.0%
PJM ATSI ELEC	MOD	0	0	0.0%	0	0.0%	0	0	0.0%
PJM ATSI ELEC	MPD	0	0	0.0%	0	0.0%	0	0	0.0%
PJM BGE DA OFF-PEAK	R3	0	0	0.0%	0	0.0%	0	0	0.0%
PJM BGE DA PEAK	E3	0	0	0.0%	0	0.0%	0	0	0.0%
PJM COMED 5MW D AH O PK	D9	0	0	0.0%	0	0.0%	0	0	0.0%
PJM COMED 5MW D AH PK	D8	0	0	0.0%	0	0.0%	0	0	0.0%
PJM DAILY	JD	0	0	0.0%	0	0.0%	0	0	0.0%
PJM DAYTON DA OFF-PEAK	R7	0	0	0.0%	0	0.0%	0	0	0.0%
PJM DAYTON DA PEAK	D7	0	0	0.0%	0	0.0%	0	0	0.0%



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<b>Energy Futures</b>									
PJM JCPL DA OFF-PEAK	F2	0	0	0.0%	0	-	0	0	0.0%
PJM JCPL DA PEAK	J2	0	0	0.0%	0	-	0	0	0.0%
PJM NI HUB 5MW REAL TIME	B3	0	0	0.0%	2,560	-100.0%	3,845	5,100	-24.6%
PJM NI HUB 5MW REAL TIME	B6	0	5,925	-100.0%	46,640	-100.0%	70,000	5,925	1,081.4%
PJM NILL DA OFF-PEAK	L3	0	0	0.0%	0	0.0%	0	0	0.0%
PJM NILL DA PEAK	N3	0	0	0.0%	0	0.0%	0	22	-100.0%
PJM OFF-PEAK LMP SWAP FUT	JP	0	0	0.0%	0	0.0%	0	0	0.0%
PJM PECO ZONE5MW PEAK CAL MO DAY AH	4N	0	0	-	0	0.0%	0	0	-
PJM PPL DA OFF-PEAK	F5	0	0	0.0%	0	-	0	0	0.0%
PJM PPL DA PEAK	L5	0	0	0.0%	0	-	0	0	0.0%
PJM PSEG DA OFF-PEAK	W6	0	0	0.0%	0	0.0%	0	23,400	-100.0%
PJM PSEG DA PEAK	L6	0	0	0.0%	0	0.0%	0	1,275	-100.0%
PJM WESTH DA OFF-PEAK	E4	0	0	0.0%	0	0.0%	0	101,810	-100.0%
PJM WESTHDA PEAK	J4	0	0	0.0%	0	0.0%	0	5,525	-100.0%
PJM WESTH RT OFF-PEAK	N9	0	15,920	-100.0%	0	0.0%	47,100	309,920	-84.8%
PJM WESTH RT PEAK	L1	2,186	10,666	-79.5%	0	0.0%	49,276	56,636	-13.0%
PLASTICS	PGP	690	140	392.9%	540	27.8%	6,410	3,155	103.2%
PREMIUM UNLD 10P FOB MED	3G	32	280	-88.6%	32	0.0%	837	2,313	-63.8%
PREMIUM UNLEAD 10PPM FOB	8G	74	35	111.4%	32	131.3%	139	438	-68.3%
PREM UNL GAS 10PPM RDAM FOB BALMO	7N	0	0	0.0%	0	0.0%	20	80	-75.0%
PREM UNL GAS 10PPM RDAM FOB SWAP	7L	5	140	-96.4%	0	0.0%	35	326	-89.3%
PROPANE NON-LDH MB (OPIS) BALMO SWP	1S	742	621	19.5%	985	-24.7%	12,801	5,019	155.1%
PROPANE NON-LDH MT. BEL (OPIS) SWP	1R	20,035	15,272	31.2%	11,081	80.8%	165,880	109,021	52.2%
RBOB CALENDAR SWAP	RL	5,128	5,274	-2.8%	3,707	38.3%	53,004	51,358	3.2%
RBOB CRACK SPREAD	RM	1,265	255	396.1%	150	743.3%	10,140	9,468	7.1%
RBOB CRACK SPREAD BALMO S	1E	0	0	0.0%	0	0.0%	25	0	0.0%
RBOB GASOLINE BALMO CLNDR	1D	724	1,252	-42.2%	852	-15.0%	8,620	10,252	-15.9%
RBOB PHY	RBL	0	0	0.0%	0	0.0%	0	0	0.0%
RBOB SPREAD (PLATTS) SWAP	RI	0	0	0.0%	0	0.0%	0	0	0.0%
RBOB VS HEATING OIL SWAP	RH	0	0	0.0%	0	0.0%	75	1,975	-96.2%
SAN JUAN BASIS SWAP	NJ	0	0	0.0%	0	0.0%	0	58	-100.0%
SAN JUAN PIPE SWAP	XX	0	0	0.0%	0	0.0%	0	360	-100.0%
SINGAPORE 180CST BALMO	BS	96	5	1,820.0%	20	380.0%	209	443	-52.8%
SINGAPORE 380CST BALMO	BT	83	132	-37.1%	123	-32.5%	799	1,940	-58.8%
SINGAPORE 380CST FUEL OIL	SE	2,108	5,841	-63.9%	2,234	-5.6%	26,245	78,162	-66.4%
SINGAPORE FUEL 180CST CAL	UA	32	357	-91.0%	185	-82.7%	2,264	7,554	-70.0%

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<b>Energy Futures</b>									
SINGAPORE FUEL OIL SPREAD	SD	100	170	-41.2%	60	66.7%	595	5,894	-89.9%
SINGAPORE GASOIL	MAF	2,449	575	325.9%	2,674	-8.4%	17,812	583	2,955.2%
SINGAPORE GASOIL	MTB	65	15	333.3%	62	4.8%	456	491	-7.1%
SINGAPORE GASOIL	MTS	2,759	4,118	-33.0%	4,878	-43.4%	34,034	42,241	-19.4%
SINGAPORE GASOIL	STZ	0	0	0.0%	0	0.0%	0	4,300	-100.0%
SINGAPORE GASOIL CALENDAR	GDH	0	0	0.0%	0	0.0%	0	50	-100.0%
SINGAPORE GASOIL CALENDAR	GDL	0	0	0.0%	0	0.0%	0	250	-100.0%
SINGAPORE GASOIL CALENDAR	GHS	0	0	0.0%	0	0.0%	270	0	0.0%
SINGAPORE GASOIL CALENDAR	MGO	0	0	0.0%	0	0.0%	0	200	-100.0%
SINGAPORE GASOIL CALENDAR	MSG	85	123	-30.9%	225	-62.2%	1,535	4,372	-64.9%
SINGAPORE GASOIL CALENDAR	SGG	0	0	0.0%	0	0.0%	0	325	-100.0%
SINGAPORE GASOIL SWAP	SG	427	9,250	-95.4%	819	-47.9%	8,742	44,943	-80.5%
SINGAPORE GASOIL VS ICE	GA	0	10,824	-100.0%	0	0.0%	4,490	118,040	-96.2%
SINGAPORE JET KERO BALMO	BX	0	0	0.0%	0	0.0%	0	215	-100.0%
SINGAPORE JET KERO GASOIL	RK	0	2,675	-100.0%	0	0.0%	100	33,845	-99.7%
SINGAPORE JET KEROSENE SW	KS	425	3,015	-85.9%	275	54.5%	4,990	12,075	-58.7%
SINGAPORE JET KERO VS. GASOIL BALMO	Z0	0	0	0.0%	0	0.0%	0	400	-100.0%
SINGAPORE MOGAS 92 UNLEADED BALMO	1P	25	370	-93.2%	0	0.0%	1,500	5,346	-71.9%
SINGAPORE MOGAS 92 UNLEADED SWP	1N	2,385	11,958	-80.1%	1,592	49.8%	85,668	123,137	-30.4%
SINGAPORE NAPHTHA SWAP	SP	0	0	0.0%	0	0.0%	0	200	-100.0%
SING FUEL	MSD	0	0	0.0%	0	0.0%	0	95	-100.0%
SOCAL PIPE SWAP	XN	0	0	0.0%	0	-	0	0	0.0%
SONAT BASIS SWAP FUTURE	SZ	0	0	0.0%	0	-	0	0	0.0%
SOUTH STAR TEX OKLHM KNS	8Z	0	0	0.0%	0	0.0%	0	0	0.0%
Sumas Basis Swap	NK	0	0	0.0%	0	0.0%	0	91	-100.0%
SUMAS NAT GAS PLATTS FIXED PRICE	DVS	0	0	0.0%	0	-	0	0	0.0%
TC2 ROTTERDAM TO USAC 37K	TM	180	169	6.5%	91	97.8%	2,241	717	212.6%
TC5 RAS TANURA TO YOKOHAM	TH	840	105	700.0%	20	4,100.0%	3,341	345	868.4%
TCO BASIS SWAP	TC	0	0	0.0%	0	0.0%	0	0	0.0%
TCO NG INDEX SWAP	Q1	0	0	0.0%	0	-	0	0	0.0%
TD3 MEG TO JAPAN 250K MT	TL	8,334	745	1,018.7%	2,965	181.1%	46,280	9,400	392.3%
TENNESSEE 500 LEG BASIS S	NM	0	0	0.0%	0	-	0	0	0.0%
TENNESSEE 800 LEG NG BASI	6Z	0	0	0.0%	0	-	0	0	0.0%
TENNESSEE ZONE 0 BASIS SW	NQ	0	0	0.0%	0	0.0%	0	0	0.0%
TETCO M-3 INDEX	IX	0	0	0.0%	0	-	0	0	0.0%
Tetco STX Basis	TX	0	0	0.0%	0	0.0%	0	0	0.0%





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<b>Energy Futures</b>									
TEXAS EASTERN ZONE M-3 BA	NX	0	0	0.0%	0	0.0%	0	0	0.0%
TEXAS GAS ZONE1 NG BASIS	9F	0	0	0.0%	0	0.0%	0	0	0.0%
Transco Zone 3 Basis	CZ	0	0	0.0%	0	0.0%	0	0	0.0%
TRANSCO ZONE 3 NG INDEX S	Y6	0	0	0.0%	0	-	0	0	0.0%
TRANSCO ZONE4 BASIS SWAP	TR	0	0	0.0%	0	0.0%	0	0	0.0%
TRANSCO ZONE 4 NAT GAS IN	B2	0	0	0.0%	0	-	0	0	0.0%
TRANSCO ZONE 6 BASIS SWAP	NZ	0	0	0.0%	0	0.0%	0	0	0.0%
TRANSCO ZONE 6 INDEX	IT	0	0	0.0%	0	-	0	0	0.0%
UCM FUT	UCM	0	0	0.0%	0	0.0%	20	60	-66.7%
UK NBP NAT GAS CAL MTH FUT	UKG	1,210	5,342	-77.3%	1,170	3.4%	5,679	46,054	-87.7%
ULSD 10PPM CIF MED SWAP	Z6	0	0	0.0%	0	-	0	0	0.0%
ULSD 10PPM CIF MED VS ICE	Z7	0	0	0.0%	0	0.0%	0	14	-100.0%
ULSD 10PPM CIF NW BALMO S	B1	0	0	0.0%	0	-	0	0	0.0%
ULSD UP-DOWN BALMO SWP	1L	5,055	9,042	-44.1%	2,555	97.8%	45,225	49,404	-8.5%
UP DOWN GC ULSD VS NMX HO	LT	46,097	35,400	30.2%	43,125	6.9%	291,013	289,349	0.6%
WAHA BASIS	NW	0	0	0.0%	0	0.0%	650	3,201	-79.7%
WAHA INDEX SWAP FUTURE	IY	0	0	0.0%	0	-	0	0	0.0%
WESTERN RAIL DELIVERY PRB	QP	0	0	0.0%	0	0.0%	0	25	-100.0%
WTI-BRENT BULLET SWAP	BY	0	0	0.0%	35	-100.0%	1,449	6,650	-78.2%
WTI-BRENT CALENDAR SWAP	BK	34,379	46,550	-26.1%	32,180	6.8%	322,786	297,355	8.6%
WTI CALENDAR	CS	38,470	31,846	20.8%	22,528	70.8%	358,564	295,889	21.2%
WTS (ARGUS) VS WTI SWAP	FF	1,625	11,000	-85.2%	2,235	-27.3%	38,532	79,502	-51.5%
WTS (ARGUS) VS WTI TRD MT	FH	42	0	0.0%	1,560	-97.3%	6,535	5,385	21.4%
<b>Energy Options</b>									
12 MO GASOIL CAL SWAP SPR	GXZ	0	0	0.0%	0	-	0	0	0.0%
BRENT 1 MONTH CAL	AA	0	0	0.0%	0	0.0%	0	3,000	-100.0%
BRENT CALENDAR SWAP	BA	0	139	-100.0%	780	-100.0%	3,810	5,854	-34.9%
BRENT CRUDE OIL 12 M CSO	9Y	0	0	0.0%	0	0.0%	0	2,000	-100.0%
BRENT CRUDE OIL 1 M CSO	9C	0	6,200	-100.0%	0	0.0%	35,190	392,038	-91.0%
BRENT CRUDE OIL 6 M CSO	9L	0	0	0.0%	0	0.0%	0	1,000	-100.0%
BRENT OIL LAST DAY	BE	18,287	5,420	237.4%	16,410	11.4%	331,976	266,332	24.6%
BRENT OIL LAST DAY	BZO	90,601	247,851	-63.4%	83,502	8.5%	878,652	1,291,896	-32.0%
BRENT OIL LAST DAY	OS	0	0	0.0%	0	0.0%	0	1,190	-100.0%
COAL API2 INDEX	CLA	5	740	-99.3%	0	0.0%	215	6,105	-96.5%

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

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Commodity		VOLUME SEP 2019	VOLUME SEP 2018	% CHG	VOLUME AUG 2019	% CHG	VOLUME Y.T.D 2019	VOLUME Y.T.D 2018	% CHG
<b>Energy Options</b>									
COAL API2 INDEX	CQA	75	0	0.0%	100	-25.0%	835	3,455	-75.8%
COAL API2 INDEX	MTC	0	0	0.0%	0	-	0	0	0.0%
COAL API4 INDEX	RLA	0	0	0.0%	0	0.0%	0	25	-100.0%
COAL API4 INDEX	RQA	0	0	0.0%	0	0.0%	0	60	-100.0%
COAL SWAP	CPF	0	0	0.0%	0	0.0%	0	0	0.0%
COAL SWAP	RPF	0	0	0.0%	0	0.0%	0	0	0.0%
CRUDE OIL	6Y	0	0	-	0	0.0%	150	0	-
CRUDE OIL 1MO	WA	226,275	86,595	161.3%	221,175	2.3%	2,099,786	1,804,635	16.4%
CRUDE OIL APO	AO	32,964	43,146	-23.6%	32,588	1.2%	410,741	414,649	-0.9%
CRUDE OIL CALNDR STRIP	6F	0	0	0.0%	0	0.0%	200	170	17.6%
CRUDE OIL OUTRIGHTS	AH	0	0	0.0%	0	0.0%	0	0	0.0%
CRUDE OIL OUTRIGHTS	DBP	0	0	0.0%	0	-	0	0	0.0%
CRUDE OIL OUTRIGHTS	WCI	0	0	0.0%	0	0.0%	960	0	0.0%
CRUDE OIL PHY	CD	0	300	-100.0%	150	-100.0%	1,300	19,350	-93.3%
CRUDE OIL PHY	LC	8,746	8,307	5.3%	8,447	3.5%	91,796	87,446	5.0%
CRUDE OIL PHY	LO	3,110,314	3,208,213	-3.1%	2,942,807	5.7%	24,865,969	31,380,154	-20.8%
CRUDE OIL PHY	LO1	14,055	13,353	5.3%	8,772	60.2%	135,291	124,238	8.9%
CRUDE OIL PHY	LO2	9,337	14,508	-35.6%	10,496	-11.0%	127,147	136,026	-6.5%
CRUDE OIL PHY	LO3	21,584	14,409	49.8%	4,133	422.2%	93,572	92,989	0.6%
CRUDE OIL PHY	LO4	21,121	17,766	18.9%	10,222	106.6%	145,860	136,788	6.6%
CRUDE OIL PHY	LO5	0	0	0.0%	9,850	-100.0%	48,114	49,705	-3.2%
ELEC MISO PEAK	9T	0	0	0.0%	0	-	0	0	0.0%
ETHANOL	CE1	0	0	0.0%	0	0.0%	0	275	-100.0%
ETHANOL	CE3	0	0	0.0%	0	0.0%	0	150	-100.0%
ETHANOL SWAP	CVR	9,400	1,615	482.0%	22,538	-58.3%	100,326	59,426	68.8%
ETHANOL SWAP	GVR	0	450	-100.0%	0	0.0%	780	3,118	-75.0%
EUROPEAN JET KEROSENE NWE (PLATTS) A	30	0	0	0.0%	0	-	0	0	0.0%
FREIGHT MARKETS	TDT	1,800	0	-	0	-	1,800	0	-
GASOLINE	GCE	0	0	0.0%	0	-	0	0	0.0%
HEATING OIL CRACK OPTIONS	CH	0	0	0.0%	0	-	0	0	0.0%
HEATING OIL CRK SPD AVG PRICE OPTIONS	3W	0	0	0.0%	0	-	0	0	0.0%
HEATING OIL PHY	LB	175	0	0.0%	325	-46.2%	1,902	750	153.6%
HEATING OIL PHY	OH	28,571	24,946	14.5%	25,493	12.1%	257,860	264,449	-2.5%
HENRY HUB FINANCIAL LAST	E7	8,984	8,069	11.3%	2,673	236.1%	57,680	40,434	42.7%
HO 1 MONTH CLNDR OPTIONS	FA	0	0	0.0%	0	0.0%	2,150	0	0.0%
LLS CRUDE OIL	WJO	0	0	0.0%	0	0.0%	0	100	-100.0%

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Commodity		VOLUME SEP 2019	VOLUME SEP 2018	% CHG	VOLUME AUG 2019	% CHG	VOLUME Y.T.D 2019	VOLUME Y.T.D 2018	% CHG
<b>Energy Options</b>									
LLS CRUDE OIL	YVO	0	0	0.0%	0	0.0%	0	0	0.0%
MCCLOSKEY ARA ARGS COAL	MTO	0	35	-100.0%	0	0.0%	130	290	-55.2%
MCCLOSKEY RCH BAY COAL	MFO	0	100	-100.0%	50	-100.0%	920	2,005	-54.1%
NATURAL GAS	G10	0	0	0.0%	0	-	0	0	0.0%
NATURAL GAS 1 M CSO FIN	G4	183,177	32,093	470.8%	144,150	27.1%	616,652	318,420	93.7%
NATURAL GAS 2 M CSO FIN	G2	1,500	200	650.0%	500	200.0%	5,625	1,400	301.8%
NATURAL GAS 3 M CSO FIN	G3	46,275	500	9,155.0%	59,350	-22.0%	224,625	44,046	410.0%
NATURAL GAS 5 M CSO FIN	G5	1,250	0	0.0%	500	150.0%	2,850	2,550	11.8%
NATURAL GAS 6 M CSO FIN	G6	6,450	7,650	-15.7%	5,550	16.2%	47,525	78,600	-39.5%
NATURAL GAS OPTION ON CALENDAR STRP	6J	3,040	1,064	185.7%	3,600	-15.6%	22,000	23,372	-5.9%
NATURAL GAS PHY	KD	6,461	13,722	-52.9%	7,371	-12.3%	30,678	181,635	-83.1%
NATURAL GAS PHY	LN	2,018,168	1,952,979	3.3%	1,383,739	45.8%	13,429,682	15,605,395	-13.9%
NATURAL GAS PHY	ON	126,016	190,825	-34.0%	105,884	19.0%	1,104,248	1,566,902	-29.5%
NATURAL GAS WINTER STRIP	6I	0	900	-100.0%	200	-100.0%	1,500	2,100	-28.6%
N ROCKIES PIPE SWAP	ZR	546	236	131.4%	546	0.0%	4,170	2,016	106.8%
NY HARBOR HEAT OIL SWP	AT	2,000	2,456	-18.6%	1,503	33.1%	18,987	22,643	-16.1%
NYISO ZONE G 5MW PEAK OPTIONS	9U	0	0	0.0%	0	0.0%	0	0	0.0%
NYMEX EUROPEAN GASOIL APO	F7	0	0	0.0%	0	-	0	0	0.0%
PANHANDLE PIPE SWAP	PU	0	0	0.0%	0	0.0%	0	0	0.0%
PETROCHEMICALS	4H	50	291	-82.8%	166	-69.9%	4,829	5,305	-9.0%
PETROCHEMICALS	4J	0	0	0.0%	0	0.0%	200	1,350	-85.2%
PETROCHEMICALS	4K	400	0	0.0%	0	0.0%	560	3,300	-83.0%
PETROCHEMICALS	CPR	0	0	0.0%	0	0.0%	40	0	0.0%
PETRO OUTRIGHT EURO	8H	0	0	0.0%	0	0.0%	0	0	0.0%
PETRO OUTRIGHT EURO	BCO	0	0	-	0	0.0%	24	0	-
PETRO OUTRIGHT NA	DAP	180	192	-6.3%	0	0.0%	420	192	118.8%
PJM WES HUB PEAK CAL MTH	6OA	20	130	-84.6%	0	0.0%	660	450	46.7%
PJM WES HUB PEAK CAL MTH	JOA	0	0	0.0%	0	0.0%	0	880	-100.0%
PJM WES HUB PEAK LMP 50MW	PMA	0	295	-100.0%	0	0.0%	836	7,152	-88.3%
RBOB 1MO CAL SPD OPTIONS	ZA	0	0	0.0%	0	0.0%	150	700	-78.6%
RBOB CALENDAR SWAP	RA	120	0	0.0%	0	0.0%	501	965	-48.1%
RBOB CRACK	RX	0	0	-	0	0.0%	0	0	-
RBOB PHY	OB	9,354	9,047	3.4%	11,309	-17.3%	135,444	101,359	33.6%
RBOB PHY	RF	0	0	0.0%	0	0.0%	1,624	125	1,199.2%
ROTTERDAM 3.5%FUEL OIL CL	Q6	0	0	0.0%	0	0.0%	0	0	0.0%
SAN JUAN PIPE SWAP	PJ	0	236	-100.0%	1,092	-100.0%	2,970	2,118	40.2%

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<b>Energy Options</b>									
SHORT TERM	C15	0	0	-	0	0.0%	0	0	-
SHORT TERM	U11	0	0	0.0%	0	0.0%	700	1,236	-43.4%
SHORT TERM	U12	450	115	291.3%	230	95.7%	1,480	950	55.8%
SHORT TERM	U13	0	0	0.0%	0	0.0%	150	400	-62.5%
SHORT TERM	U14	0	0	0.0%	100	-100.0%	150	863	-82.6%
SHORT TERM	U15	0	0	0.0%	100	-100.0%	1,275	797	60.0%
SHORT TERM	U22	0	0	0.0%	0	0.0%	1	1,221	-99.9%
SHORT TERM	U23	0	0	0.0%	100	-100.0%	117	898	-87.0%
SHORT TERM	U24	0	0	0.0%	0	0.0%	250	879	-71.6%
SHORT TERM	U25	0	0	0.0%	0	0.0%	0	102	-100.0%
SHORT TERM	U26	100	100	0.0%	0	0.0%	100	400	-75.0%
SHORT TERM NATURAL GAS	U01	0	200	-100.0%	0	0.0%	525	550	-4.5%
SHORT TERM NATURAL GAS	U02	0	0	0.0%	175	-100.0%	175	1,448	-87.9%
SHORT TERM NATURAL GAS	U03	0	0	0.0%	100	-100.0%	704	1,429	-50.7%
SHORT TERM NATURAL GAS	U04	0	0	0.0%	0	0.0%	600	1,600	-62.5%
SHORT TERM NATURAL GAS	U05	0	610	-100.0%	50	-100.0%	250	1,420	-82.4%
SHORT TERM NATURAL GAS	U06	100	625	-84.0%	0	0.0%	505	1,500	-66.3%
SHORT TERM NATURAL GAS	U07	0	0	0.0%	50	-100.0%	650	1,601	-59.4%
SHORT TERM NATURAL GAS	U08	0	0	0.0%	1,850	-100.0%	2,450	1,377	77.9%
SHORT TERM NATURAL GAS	U09	300	0	0.0%	50	500.0%	600	1,534	-60.9%
SHORT TERM NATURAL GAS	U10	500	100	400.0%	0	0.0%	750	1,250	-40.0%
SHORT TERM NATURAL GAS	U16	0	0	0.0%	50	-100.0%	250	700	-64.3%
SHORT TERM NATURAL GAS	U17	0	0	0.0%	0	0.0%	150	2,296	-93.5%
SHORT TERM NATURAL GAS	U18	0	100	-100.0%	0	0.0%	125	1,472	-91.5%
SHORT TERM NATURAL GAS	U19	0	25	-100.0%	100	-100.0%	100	248	-59.7%
SHORT TERM NATURAL GAS	U20	0	550	-100.0%	0	0.0%	300	1,425	-78.9%
SHORT TERM NATURAL GAS	U21	0	0	0.0%	0	0.0%	50	363	-86.2%
SHORT TERM NATURAL GAS	U27	0	0	0.0%	0	0.0%	0	425	-100.0%
SHORT TERM NATURAL GAS	U28	0	0	0.0%	0	0.0%	425	100	325.0%
SHORT TERM NATURAL GAS	U29	0	0	0.0%	100	-100.0%	100	460	-78.3%
SHORT TERM NATURAL GAS	U30	300	0	0.0%	100	200.0%	600	100	500.0%
SHORT TERM NATURAL GAS	U31	0	0	0.0%	0	0.0%	1,200	27	4,344.4%
SINGAPORE GASOIL CALENDAR	M2	0	0	0.0%	0	0.0%	0	0	0.0%
SINGAPORE JET FUEL CALEND	N2	0	0	0.0%	0	0.0%	0	0	0.0%
SOCAL PIPE SWAP	ZN	0	0	0.0%	0	-	0	0	0.0%
WTI-BRENT BULLET SWAP	BV	66,900	35,654	87.6%	97,950	-31.7%	510,930	775,451	-34.1%

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<b>Energy Options</b>									
WTI CRUDE OIL 1 M CSO FI	7A	21,550	39,700	-45.7%	45,825	-53.0%	452,670	635,850	-28.8%
<b>Metals Futures</b>									
COMEX GOLD	GC	8,582,865	5,495,646	56.2%	9,582,250	-10.4%	64,170,974	63,348,098	1.3%
NYMEX HOT ROLLED STEEL	HR	9,200	6,668	38.0%	5,113	79.9%	139,651	90,713	53.9%
NYMEX PLATINUM	PL	739,168	580,643	27.3%	496,003	49.0%	4,466,114	4,209,065	6.1%
PALLADIUM	PA	80,152	89,368	-10.3%	133,300	-39.9%	961,653	1,094,711	-12.2%
URANIUM	UX	1,217	1,298	-6.2%	0	0.0%	10,601	3,452	207.1%
COMEX SILVER	SI	2,579,873	1,648,326	56.5%	3,018,629	-14.5%	18,461,618	18,593,772	-0.7%
COMEX E-Mini GOLD	QO	32,339	11,095	191.5%	44,915	-28.0%	176,636	71,053	148.6%
COMEX E-Mini SILVER	QI	7,461	795	838.5%	7,551	-1.2%	41,384	10,571	291.5%
COMEX COPPER	HG	1,491,394	2,349,687	-36.5%	2,397,053	-37.8%	18,552,530	26,131,391	-29.0%
COMEX MINY COPPER	QC	743	260	185.8%	733	1.4%	6,088	4,181	45.6%
ALUMINUM	A38	0	0	0.0%	0	0.0%	22	0	0.0%
ALUMINUM	AEP	1,738	360	382.8%	2,675	-35.0%	15,543	12,305	26.3%
ALUMINUM	ALA	305	150	103.3%	15	1,933.3%	560	5,475	-89.8%
ALUMINUM	ALI	3,264	0	0.0%	3,118	4.7%	6,732	0	0.0%
ALUMINUM	AUP	4,593	3,983	15.3%	6,175	-25.6%	52,439	78,759	-33.4%
ALUMINUM	CUP	0	0	0.0%	0	0.0%	0	205	-100.0%
ALUMINUM	EDP	98	1,098	-91.1%	1,716	-94.3%	16,668	11,721	42.2%
ALUMINUM	MJP	1,440	780	84.6%	1,260	14.3%	9,580	10,215	-6.2%
COPPER	HGS	1,007	1,096	-8.1%	181	456.4%	7,059	12,235	-42.3%
E-MICRO GOLD	MGC	722,659	166,039	335.2%	889,807	-18.8%	3,689,881	1,236,878	198.3%
FERROUS PRODUCTS	BUS	1,403	1,501	-6.5%	468	199.8%	10,206	14,680	-30.5%
GOLD	GPS	0	0	0.0%	0	-	0	0	0.0%
Gold Kilo	GCK	0	0	0.0%	0	0.0%	0	136	-100.0%
IRON ORE 62 CHINA PLATTS FUTURES	PIO	0	0	0.0%	0	0.0%	0	0	0.0%
IRON ORE 62 CHINA TSI FUTURES	TIO	2,944	438	572.1%	3,116	-5.5%	48,684	32,961	47.7%
LNDN ZINC	ZNC	0	1,677	-100.0%	0	0.0%	1,230	5,943	-79.3%
SILVER	SIL	57,038	7,226	689.3%	56,056	1.8%	231,906	67,848	241.8%
<b>Metals Options</b>									
COMEX COPPER	HX	58,578	38,861	50.7%	56,611	3.5%	538,542	239,493	124.9%



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<b>Metals Options</b>									
COMEX GOLD	OG	1,442,620	749,608	92.4%	2,202,838	-34.5%	12,041,582	8,718,010	38.1%
COMEX SILVER	SO	325,453	151,172	115.3%	341,165	-4.6%	1,717,030	1,416,901	21.2%
COPPER	H1E	40	6	566.7%	172	-76.7%	368	35	951.4%
COPPER	H2E	42	6	600.0%	181	-76.8%	628	113	455.8%
COPPER	H3E	497	6	8,183.3%	40	1,142.5%	626	101	519.8%
COPPER	H4E	11	13	-15.4%	10	10.0%	126	169	-25.4%
COPPER	H5E	0	0	0.0%	77	-100.0%	97	12	708.3%
GOLD	OG1	59,270	10,868	445.4%	38,813	52.7%	364,759	95,084	283.6%
GOLD	OG2	47,380	8,112	484.1%	54,932	-13.7%	318,658	80,593	295.4%
GOLD	OG3	52,496	6,166	751.4%	45,472	15.4%	262,016	95,503	174.4%
GOLD	OG4	30,497	13,538	125.3%	34,113	-10.6%	182,841	64,653	182.8%
GOLD	OG5	0	0	0.0%	33,714	-100.0%	62,377	26,028	139.7%
HOT ROLLED COIL STEEL CALL OPTION	HRO	0	0	0.0%	0	0.0%	900	0	0.0%
IRON ORE 62 CHINA TSI CALL OPTION	ICT	40	0	0.0%	100	-60.0%	6,800	200	3,300.0%
IRON ORE 62 CHINA TSI PUT OPTION	ICT	0	0	0.0%	0	0.0%	3,600	1,280	181.3%
NYMEX PLATINUM	PO	3,464	4,848	-28.5%	3,236	7.0%	31,767	37,198	-14.6%
PALLADIUM	PAO	823	2,086	-60.5%	1,135	-27.5%	10,762	26,637	-59.6%
SILVER	SO1	4,896	738	563.4%	1,204	306.6%	16,712	3,774	342.8%
SILVER	SO2	5,021	738	580.4%	1,779	182.2%	14,451	3,168	356.2%
SILVER	SO3	2,823	850	232.1%	2,919	-3.3%	13,035	5,358	143.3%
SILVER	SO4	1,294	1,165	11.1%	587	120.4%	5,565	2,792	99.3%
SILVER	SO5	0	0	0.0%	2,166	-100.0%	4,033	2,092	92.8%
<b>TOTAL FUTURES GROUP</b>									
Ag Products Futures		6	9	-33.3%	1	500.0%	54	76	-28.9%
Energy Futures		49,445,734	41,758,592	18.4%	48,367,232	2.2%	410,384,068	418,790,952	-2.0%
Metals Futures		14,320,901	10,368,134	38.1%	16,650,134	-14.0%	111,077,759	115,046,368	-3.4%
<b>TOTAL FUTURES</b>		<b>63,766,641</b>	<b>52,126,735</b>	<b>22.3%</b>	<b>65,017,367</b>	<b>-1.9%</b>	<b>521,461,881</b>	<b>533,837,396</b>	<b>-2.3%</b>

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



## NYMEX/COMEX Exchange Volume Report - Monthly

Commodity	VOLUME SEP 2019	VOLUME SEP 2018	% CHG	VOLUME AUG 2019	% CHG	VOLUME Y.T.D 2019	VOLUME Y.T.D 2018	% CHG
<b>TOTAL OPTIONS GROUP</b>								
Energy Options	6,097,501	5,992,757	1.7%	5,272,901	15.6%	46,330,244	56,003,449	-17.3%
Metals Options	2,035,245	988,781	105.8%	2,821,264	-27.9%	15,597,275	10,819,194	44.2%
<b>TOTAL OPTIONS</b>	<b>8,132,746</b>	<b>6,981,538</b>	<b>16.5%</b>	<b>8,094,165</b>	<b>0.5%</b>	<b>61,927,519</b>	<b>66,822,643</b>	<b>-7.3%</b>
<b>TOTAL COMBINED</b>								
Ag Products	6	9	-33.3%	1	500.0%	54	76	-28.9%
Energy	55,543,235	47,751,349	16.3%	53,640,133	3.5%	456,714,312	474,794,401	-3.8%
Metals	16,356,146	11,356,915	44.0%	19,471,398	-16.0%	126,675,034	125,865,562	0.6%
<b>GRAND TOTAL</b>	<b>71,899,387</b>	<b>59,108,273</b>	<b>21.6%</b>	<b>73,111,532</b>	<b>-1.7%</b>	<b>583,389,400</b>	<b>600,660,039</b>	<b>-2.9%</b>