



## NYMEX/COMEX Exchange Volume Report - Monthly

Commodity		VOLUME OCT 2019	VOLUME OCT 2018	% CHG	VOLUME SEP 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	2	7	-71.4%	6	-66.7%	38	20	90.0%
SUGAR 11	YO	0	0	0.0%	0	0.0%	10	58	-82.8%
<b>Energy Futures</b>									
CRUDE OIL PHY	CL	23,298,393	24,506,904	-4.9%	26,970,240	-13.6%	253,071,966	256,133,753	-1.2%
CRUDE OIL	WS	0	0	0.0%	0	0.0%	16,694	15,639	6.7%
MINY WTI CRUDE OIL	QM	457,072	469,979	-2.7%	606,380	-24.6%	4,802,490	3,459,217	38.8%
BRENT OIL LAST DAY	BZ	2,296,390	2,269,787	1.2%	2,413,390	-4.8%	22,094,268	17,894,597	23.5%
HEATING OIL PHY	HO	5,096,923	3,966,113	28.5%	3,916,689	30.1%	35,710,322	38,522,103	-7.3%
HTG OIL	BH	0	12	-100.0%	0	0.0%	96	96	0.0%
MINY HTG OIL	QH	3	4	-25.0%	3	0.0%	32	40	-20.0%
RBOB PHY	RB	3,832,477	4,626,302	-17.2%	4,111,649	-6.8%	42,828,284	42,255,446	1.4%
MINY RBOB GAS	QU	3	4	-25.0%	4	-25.0%	63	37	70.3%
NATURAL GAS	HP	114,221	106,595	7.2%	158,004	-27.7%	1,148,629	1,126,543	2.0%
LTD NAT GAS	HH	271,717	461,203	-41.1%	330,254	-17.7%	3,021,081	3,548,583	-14.9%
MINY NATURAL GAS	QG	56,835	47,272	20.2%	44,528	27.6%	327,432	274,874	19.1%
PJM MONTHLY	JM	0	0	0.0%	0	0.0%	0	0	0.0%
NATURAL GAS PHY	NG	10,971,151	12,263,891	-10.5%	9,893,314	10.9%	84,096,678	92,185,458	-8.8%
RBOB GAS	RT	12	12	0.0%	0	0.0%	84	14,386	-99.4%
3.5% FUEL OIL CID MED SWA	7D	0	40	-100.0%	0	0.0%	97	612	-84.2%
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	6,881	23,356	-70.5%	3,047	125.8%	83,394	222,795	-62.6%
ARGUS PROPAN FAR EST INDE	7E	5,646	7,829	-27.9%	6,766	-16.6%	62,265	59,924	3.9%
ARGUS PROPAN(SAUDI ARAMCO	9N	2,592	3,203	-19.1%	3,897	-33.5%	29,952	28,419	5.4%

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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	197	0	0.0%	448	-56.0%	1,960	285	587.7%
BRENT CALENDAR SWAP	CY	14,473	5,313	172.4%	1,498	866.2%	74,157	36,112	105.4%
BRENT CFD SWAP	6W	0	0	0.0%	0	0.0%	0	300	-100.0%
BRENT FINANCIAL FUTURES	BB	0	3,600	-100.0%	0	0.0%	7,000	19,864	-64.8%
BRENT FINANCIAL FUTURES	MBC	100	0	0.0%	612	-83.7%	1,481	127	1,066.1%
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	85,919	77,796	10.4%	104,382	-17.7%	1,031,776	967,391	6.7%
CHICAGO ULSD (PLATTS) SWA	4C	0	0	0.0%	0	-	0	0	0.0%
CHICAGO ULSD PL VS HO SPR	5C	141	325	-56.6%	740	-80.9%	5,365	4,075	31.7%
CHICAGO UNL GAS PL VS RBO	3C	0	0	0.0%	200	-100.0%	1,370	950	44.2%
CIG BASIS	CI	0	25	-100.0%	0	0.0%	0	221	-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	200	846	-76.4%	378	-47.1%	4,872	11,838	-58.8%
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	0	0.0%	0	0.0%	325	1,505	-78.4%
COAL SWAP	ACM	0	0	0.0%	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	70	114	-38.6%	489	-85.7%	2,362	1,738	35.9%
CONWAY NORMAL BUTANE (OPIS) SWAP	8M	450	90	400.0%	736	-38.9%	4,742	2,761	71.7%
CONWAY PROPANE 5 DECIMALS SWAP	8K	12,636	16,869	-25.1%	12,554	0.7%	148,010	161,274	-8.2%
CRUDE OIL	LPS	3,850	3,450	11.6%	3,300	16.7%	29,810	45,385	-34.3%
CRUDE OIL OUTRIGHTS	42	260	223	16.6%	604	-57.0%	3,965	2,485	59.6%
CRUDE OIL OUTRIGHTS	CC5	510	210	142.9%	120	325.0%	3,821	300	1,173.7%



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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	46	0	0.0%	0	0.0%	3,238	2,285	41.7%
CRUDE OIL OUTRIGHTS	DBL	330	0	0.0%	0	0.0%	730	99	637.4%
CRUDE OIL OUTRIGHTS	FE	0	0	0.0%	0	-	0	0	0.0%
CRUDE OIL OUTRIGHTS	GSW	5	0	0.0%	0	0.0%	281	105	167.6%
CRUDE OIL OUTRIGHTS	HTT	62,036	53,916	15.1%	55,218	12.3%	575,900	491,448	17.2%
CRUDE OIL OUTRIGHTS	LSW	15	15	0.0%	0	0.0%	3,183	335	850.1%
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	3,278	2,495	31.4%	2,258	45.2%	39,440	62,856	-37.3%
CRUDE OIL PHY	CLL	0	0	0.0%	0	0.0%	0	0	0.0%
CRUDE OIL PHY	HCL	6,833	0	-	6,139	11.3%	168,863	0	-
CRUDE OIL SPRDS	38	0	0	0.0%	0	0.0%	0	2,055	-100.0%
CRUDE OIL SPRDS	HIL	180	0	-	0	0.0%	900	0	-
CRUDE OIL SPRDS	WTT	20,109	8,438	138.3%	16,185	24.2%	215,724	404,560	-46.7%
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	150	-100.0%	0	0.0%	1,000	3,360	-70.2%
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	0	47,370	-100.0%	152	-100.0%	17,815	84,502	-78.9%
DUTCH TTF NATURAL GAS CAL MONTH FUT	TTF	21,292	242	8,698.3%	11,641	82.9%	101,634	14,396	606.0%
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	29	308	-90.6%	596	-95.1%	3,386	2,857	18.5%
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	10	0	-	0	0.0%	50	0	-
ETHANOL	Z1B	0	0	-	0	0.0%	0	0	-
ETHANOL SWAP	MT2	120	70	71.4%	220	-45.5%	890	400	122.5%
ETHANOL T2 FOB ROTT INCL DUTY SWAP	Z1	6,203	4,996	24.2%	2,808	120.9%	35,472	31,351	13.1%
EURO 1% FUEL OIL NEW BALM	KX	0	0	0.0%	0	0.0%	3	33	-90.9%
EURO 3.5% FUEL OIL RDAM B	KR	13	162	-92.0%	156	-91.7%	471	5,439	-91.3%



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EURO 3.5% FUEL OIL SPREAD	FK	25	6	316.7%	0	0.0%	172	840	-79.5%
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	118	60	96.7%	63	87.3%	644	426	51.2%
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	159	-100.0%	0	0.0%	385	987	-61.0%
EUROPE 3.5% FUEL OIL RDAM	UV	620	3,333	-81.4%	803	-22.8%	9,458	73,890	-87.2%
EUROPEAN GASOIL (ICE)	7F	140	1,354	-89.7%	188	-25.5%	1,144	5,675	-79.8%
EUROPEAN NAPHTHA BALMO	KZ	35	447	-92.2%	55	-36.4%	1,433	2,855	-49.8%
EUROPEAN NAPHTHA CRACK SPR	EN	1,373	15,958	-91.4%	1,831	-25.0%	37,464	94,868	-60.5%
EUROPE DATED BRENT SWAP	UB	0	1,110	-100.0%	0	0.0%	1,633	2,200	-25.8%
EUROPE JET KERO NWE CALSW	UJ	0	0	0.0%	3	-100.0%	8	39	-79.5%
EUROPE NAPHTHA CALSWAP	UN	268	5,204	-94.9%	849	-68.4%	16,510	35,492	-53.5%
EURO PROPANE CIF ARA SWA	PS	1,820	2,914	-37.5%	1,691	7.6%	19,021	18,267	4.1%
FLORIDA GAS ZONE3 BASIS S	FP	0	0	0.0%	0	-	0	0	0.0%
FREIGHT MARKETS	ACB	600	0	-	0	0.0%	1,020	0	-
FREIGHT MARKETS	FLP	82	565	-85.5%	24	241.7%	1,491	1,848	-19.3%
FREIGHT MARKETS	FRC	340	0	0.0%	102	233.3%	1,652	600	175.3%
FREIGHT MARKETS	FRS	0	0	0.0%	0	0.0%	70	0	0.0%
FREIGHT MARKETS	T2D	1,145	960	19.3%	215	432.6%	5,700	3,458	64.8%
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	150	-100.0%	0	0.0%	60	150	-60.0%
FREIGHT MARKETS	USC	10	0	-	110	-90.9%	280	0	-
FUEL OIL CRACK VS ICE	FO	1,700	2,815	-39.6%	1,401	21.3%	17,112	36,060	-52.5%
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	90	96	-6.2%	13	592.3%	1,529	2,114	-27.7%
GAS EURO-BOB OXY NWE BARGES	7H	1,355	7,156	-81.1%	2,363	-42.7%	48,177	76,264	-36.8%
GAS EURO-BOB OXY NWE BARGES CRK	7K	5,286	21,056	-74.9%	5,443	-2.9%	77,674	185,372	-58.1%
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	1	15	-93.3%	35	-97.1%	139	1,470	-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	18	0	0.0%	6	200.0%	153	54	183.3%
GASOIL CRACK SPREAD CALEN	GZ	1,188	100	1,088.0%	552	115.2%	6,854	37,502	-81.7%
GASOIL MINI CALENDAR SWAP	QA	1,126	312	260.9%	414	172.0%	3,850	2,024	90.2%
GERMAN POWER BASELOAD CAL MONTH FU	DEB	1,440	0	0.0%	2,354	-38.8%	23,142	3,102	646.0%
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%	0	0.0%	300	425	-29.4%
GRP THREE ULSD(PLT)VS HEA	A6	2,851	3,515	-18.9%	4,333	-34.2%	35,449	35,433	0.0%
GRP THREE UNL GS (PLT) VS	A8	2,845	3,485	-18.4%	2,095	35.8%	26,127	21,607	20.9%
GULF COAST 3% FUEL OIL BA	VZ	694	1,162	-40.3%	2,229	-68.9%	8,524	12,899	-33.9%
GULF COAST JET FUEL CLNDR	GE	0	0	0.0%	0	0.0%	267	1,195	-77.7%
GULF COAST JET VS NYM 2 H	ME	13,552	22,133	-38.8%	18,854	-28.1%	203,503	364,631	-44.2%
GULF COAST NO.6 FUEL OIL	MF	16,669	42,559	-60.8%	22,691	-26.5%	225,897	547,278	-58.7%
GULF COAST NO.6 FUEL OIL	MG	795	682	16.6%	70	1,035.7%	2,438	16,476	-85.2%
GULF COAST ULSD CALENDAR	LY	92	431	-78.7%	586	-84.3%	3,720	3,319	12.1%
GULF COAST ULSD CRACK SPR	GY	0	120	-100.0%	360	-100.0%	360	1,415	-74.6%
HEATING OIL BALMO CLNDR S	1G	0	0	0.0%	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	600	16,658	-96.4%	3,184	-81.2%	16,210	32,088	-49.5%
HENRY HUB FINANCIAL LAST	NBP	0	522	-100.0%	0	0.0%	0	26,818	-100.0%
HENRY HUB FINANCIAL LAST	TTE	0	0	0.0%	0	0.0%	0	885	-100.0%
HENRY HUB INDEX SWAP FUTU	IN	600	16,658	-96.4%	3,184	-81.2%	16,210	32,088	-49.5%
HENRY HUB SWAP	NN	49,341	164,419	-70.0%	107,139	-53.9%	971,158	1,681,751	-42.3%
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	5,784	9,840	-41.2%	8,283	-30.2%	55,211	100,418	-45.0%
ICE GASOIL BALMO SWAP	U9	0	0	0.0%	0	-	0	0	0.0%
IN DELIVERY MONTH EUA	6T	0	1,248	-100.0%	0	0.0%	0	1,248	-100.0%
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 OCT 2019	VOLUME OCT 2018	% CHG	VOLUME SEP 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	65	265	-75.5%	350	-81.4%	3,380	1,515	123.1%
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	40	-100.0%	0	0.0%	196	1,729	-88.7%
JAPAN C&F NAPHTHA SWAP	JA	245	2,863	-91.4%	471	-48.0%	9,868	21,110	-53.3%
JAPAN NAPHTHA BALMO SWAP	E6	0	82	-100.0%	5	-100.0%	333	608	-45.2%
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	30	0	0.0%	132	-77.3%	262	642	-59.2%
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	0	0	0.0%	132	-100.0%	132	0	0.0%
JET FUEL UP-DOWN BALMO CL	1M	4,395	7,120	-38.3%	3,090	42.2%	41,573	60,197	-30.9%
JKM LNG Futures	JKM	4,010	2,330	72.1%	855	369.0%	17,376	12,344	40.8%
LA CARB DIESEL (OPIS)	LX	0	0	0.0%	0	-	0	0	0.0%
LA CARB DIESEL (OPIS) SWA	KL	25	240	-89.6%	0	0.0%	400	2,970	-86.5%
LA CARBOB GASOLINE(OPIS)S	JL	0	850	-100.0%	25	-100.0%	2,875	5,100	-43.6%
LA JET FUEL VS NYM NO 2 H	MQ	0	0	0.0%	0	-	0	0	0.0%
LA JET (OPIS) SWAP	JS	1,375	1,886	-27.1%	750	83.3%	12,609	20,479	-38.4%
LLS (ARGUS) CALENDAR SWAP	XA	0	0	0.0%	0	0.0%	0	607	-100.0%
LLS (ARGUS) VS WTI SWAP	WJ	1,571	5,167	-69.6%	575	173.2%	18,745	56,629	-66.9%
LOS ANGELES CARB GASOLINE	MH	0	0	-	0	0.0%	10	0	-
MARS (ARGUS) VS WTI SWAP	YX	125	1,300	-90.4%	800	-84.4%	14,555	21,285	-31.6%
MARS (ARGUS) VS WTI TRD M	YV	24,632	15,810	55.8%	12,327	99.8%	185,913	207,301	-10.3%
MARS BLEND CRUDE OIL	MB	0	0	0.0%	0	0.0%	0	2,319	-100.0%
MCCLOSKEY ARA ARGS COAL	MTF	37,497	19,982	87.7%	33,149	13.1%	306,503	237,662	29.0%
MCCLOSKEY RCH BAY COAL	MFF	2,858	1,485	92.5%	1,921	48.8%	23,418	30,211	-22.5%
MGF FUT	MGF	10	40	-75.0%	0	0.0%	10	258	-96.1%
MGN1 SWAP FUT	MGN	10	60	-83.3%	0	0.0%	500	693	-27.8%
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	20	247	-91.9%	99	-79.8%	1,995	3,436	-41.9%
MINI RBOB V. EBOBARG NWE BRGS BALMO	MXR	90	0	0.0%	320	-71.9%	3,910	3,383	15.6%
MINI RBOB V. EBOB(ARGUS) NWE BRGS	MXB	972	3,202	-69.6%	829	17.2%	19,322	18,751	3.0%
MJC FUT	MJC	0	85	-100.0%	0	0.0%	150	1,410	-89.4%





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<b>Energy Futures</b>									
MNC FUT	MNC	1,640	5,643	-70.9%	1,463	12.1%	34,576	40,764	-15.2%
MONT BELVIEU ETHANE 5 DECIMAL	C0	15,481	16,362	-5.4%	21,568	-28.2%	161,547	164,365	-1.7%
MONT BELVIEU ETHANE OPIS BALMO	8C	30	125	-76.0%	85	-64.7%	1,394	1,610	-13.4%
MONT BELVIEU LDH PROPANE 5 DECIMAL	B0	143,821	168,911	-14.9%	138,491	3.8%	1,452,244	1,245,910	16.6%
MONT BELVIEU LDH PROPANE OPIS BALMO	8O	1,915	1,597	19.9%	2,054	-6.8%	28,786	25,148	14.5%
MONT BELVIEU NATURAL GASOLINE 5 DEC	7Q	10,315	11,201	-7.9%	10,886	-5.2%	84,220	84,089	0.2%
MONT BELVIEU NATURAL GASOLINE BALMO	R0	747	235	217.9%	595	25.5%	6,471	3,586	80.5%
MONT BELVIEU NORMAL BUTANE 5 DECIMAL	D0	48,111	57,887	-16.9%	58,118	-17.2%	472,425	367,022	28.7%
MONT BELVIEU NORMAL BUTANE BALMO	8J	1,395	1,547	-9.8%	917	52.1%	12,989	11,069	17.3%
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	20,133	30,745	-34.5%	49,118	-59.0%	295,715	335,558	-11.9%
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	31,565	-100.0%	0	0.0%	71,600	136,440	-47.5%
NEPOOL INTR HUB 5MW D AH	U6	220	1,695	-87.0%	0	0.0%	220	12,711	-98.3%
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	1,095	175	525.7%	1,152	-4.9%	7,968	11,691	-31.8%
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	0	1,568	-100.0%	520	-100.0%	1,760	3,448	-49.0%
NGPL TEX/OK	PD	0	19,520	-100.0%	120	-100.0%	2,696	44,636	-94.0%
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	100	0	0.0%	150	-33.3%	925	2,983	-69.0%
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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Commodity		VOLUME OCT 2019	VOLUME OCT 2018	% CHG	VOLUME SEP 2019	% CHG	VOLUME Y.T.D 2019	VOLUME Y.T.D 2018	% CHG
<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	385	165	133.3%	450	-14.4%	4,682	13,398	-65.1%
NY 2.2% FUEL OIL (PLATTS	Y3	0	0	0.0%	0	-	0	0	0.0%
NY 3.0% FUEL OIL (PLATTS	H1	0	0	0.0%	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	3,549	5,969	-40.5%	1,589	123.3%	22,302	23,060	-3.3%
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	710	659	7.7%	155	358.1%	7,063	10,792	-34.6%
NY HARBOR RESIDUAL FUEL C	ML	0	0	-	0	0.0%	0	0	-
NYH NO 2 CRACK SPREAD CAL	HK	900	330	172.7%	1,500	-40.0%	5,025	8,042	-37.5%
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	0	400	-100.0%	380	-100.0%	620	646	-4.0%
NYISO CAPACITY	NNC	0	0	0.0%	0	0.0%	0	735	-100.0%
NYISO CAPACITY	NRS	0	60	-100.0%	0	0.0%	60	335	-82.1%
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	44,264	-100.0%	0	0.0%	0	44,264	-100.0%
NYISO ZONE A 5MW D AH PK	K3	0	1,890	-100.0%	0	0.0%	0	1,890	-100.0%
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	13,980	-100.0%	0	0.0%	101,424	614,834	-83.5%
NYISO ZONE G 5MW D AH PK	T3	220	730	-69.9%	0	0.0%	8,394	20,524	-59.1%
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	550	0	0.0%	0	0.0%	2,000	0	0.0%
NY ULSD (ARGUS) VS HEATING OIL	7Y	1,175	0	0.0%	0	0.0%	2,770	213	1,200.5%
ONEOK OKLAHOMA NG BASIS	8X	0	0	0.0%	1,860	-100.0%	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%	0	0.0%	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	200	324	-38.3%	196	2.0%	1,723	1,870	-7.9%
PETROCHEMICALS	32	119	109	9.2%	72	65.3%	1,049	1,583	-33.7%
PETROCHEMICALS	3NA	0	6	-100.0%	0	0.0%	49	6	716.7%
PETROCHEMICALS	51	2	0	0.0%	0	0.0%	79	23	243.5%
PETROCHEMICALS	8I	804	473	70.0%	932	-13.7%	6,618	6,760	-2.1%
PETROCHEMICALS	91	523	649	-19.4%	716	-27.0%	4,977	4,321	15.2%
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	160	290	-44.8%	540	-70.4%	3,661	2,042	79.3%
PETROCHEMICALS	MAS	208	170	22.4%	252	-17.5%	2,242	1,711	31.0%
PETROCHEMICALS	MBE	260	900	-71.1%	290	-10.3%	3,265	8,530	-61.7%
PETROCHEMICALS	MNB	85	761	-88.8%	344	-75.3%	6,140	18,378	-66.6%
PETROCHEMICALS	MPS	133	140	-5.0%	309	-57.0%	2,200	1,150	91.3%
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	0	0	0.0%	50	-100.0%	332	509	-34.8%
PETRO CRCKS & SPRDS NA	CRB	6,930	5,325	30.1%	6,460	7.3%	68,816	22,890	200.6%
PETRO CRCKS & SPRDS NA	EXR	1,465	3,485	-58.0%	1,113	31.6%	24,020	29,312	-18.1%
PETRO CRCKS & SPRDS NA	FOC	100	150	-33.3%	300	-66.7%	3,770	6,775	-44.4%
PETRO CRCKS & SPRDS NA	GBB	281	975	-71.2%	500	-43.8%	5,999	12,285	-51.2%
PETRO CRCKS & SPRDS NA	GCC	0	0	0.0%	0	0.0%	0	1,740	-100.0%
PETRO CRCKS & SPRDS NA	GCI	818	974	-16.0%	659	24.1%	12,236	14,061	-13.0%
PETRO CRCKS & SPRDS NA	GCM	0	0	0.0%	300	-100.0%	300	163	84.0%
PETRO CRCKS & SPRDS NA	GCU	3,844	2,446	57.2%	1,302	195.2%	31,828	115,815	-72.5%
PETRO CRCKS & SPRDS NA	GFC	0	0	0.0%	0	0.0%	100	40	150.0%
PETRO CRCKS & SPRDS NA	HOB	1,074	72	1,391.7%	2,195	-51.1%	17,731	8,669	104.5%
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 OCT 2019	VOLUME OCT 2018	% CHG	VOLUME SEP 2019	% CHG	VOLUME Y.T.D 2019	VOLUME Y.T.D 2018	% CHG
<b>Energy Futures</b>									
PETRO CRCKS & SPRDS NA	RBB	2,523	5,535	-54.4%	7,279	-65.3%	69,624	54,295	28.2%
PETRO CRCKS & SPRDS NA	RVG	13,555	16,287	-16.8%	10,128	33.8%	134,381	160,130	-16.1%
PETRO CRCKS & SPRDS NA	SF3	40	0	0.0%	171	-76.6%	1,095	321	241.1%
PETRO CRK&SPRD EURO	1NB	475	1,258	-62.2%	510	-6.9%	10,558	18,091	-41.6%
PETRO CRK&SPRD EURO	1ND	0	0	0.0%	0	0.0%	0	100	-100.0%
PETRO CRK&SPRD EURO	43	0	45	-100.0%	0	0.0%	155	3,414	-95.5%
PETRO CRK&SPRD EURO	BFR	0	0	0.0%	0	0.0%	60	0	0.0%
PETRO CRK&SPRD EURO	BOB	50	1,371	-96.4%	1,034	-95.2%	5,126	16,736	-69.4%
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	9	-100.0%	0	0.0%	23	222	-89.6%
PETRO CRK&SPRD EURO	EPN	405	1,685	-76.0%	337	20.2%	5,605	9,793	-42.8%
PETRO CRK&SPRD EURO	EVC	976	1,392	-29.9%	1,988	-50.9%	6,606	19,994	-67.0%
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	10	0	0.0%	0	0.0%	527	680	-22.5%
PETRO CRK&SPRD EURO	GOC	0	0	0.0%	0	0.0%	0	84	-100.0%
PETRO CRK&SPRD EURO	MGB	40	0	0.0%	0	0.0%	160	110	45.5%
PETRO CRK&SPRD EURO	MUD	20	0	0.0%	0	0.0%	130	163	-20.2%
PETRO CRK&SPRD EURO	NBB	0	20	-100.0%	0	0.0%	58	182	-68.1%
PETRO CRK&SPRD EURO	NOB	36	3,101	-98.8%	105	-65.7%	3,436	18,439	-81.4%
PETRO CRK&SPRD EURO	SFB	0	0	0.0%	5	-100.0%	56	125	-55.2%
PETROLEUM PRODUCTS	1NM	30	0	-	30	0.0%	768	0	-
PETROLEUM PRODUCTS	EWB	0	0	0.0%	0	-	0	0	0.0%
PETROLEUM PRODUCTS	EWG	1,575	8,695	-81.9%	525	200.0%	22,105	51,219	-56.8%
PETROLEUM PRODUCTS	JCC	0	0	-	700	-100.0%	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	0	0	-	10	-100.0%	10	0	-
PETROLEUM PRODUCTS	R5F	4	0	-	6	-33.3%	19	0	-
PETROLEUM PRODUCTS	S53	5	0	-	24	-79.2%	56	0	-
PETROLEUM PRODUCTS	UP5	18	0	-	66	-72.7%	84	0	-
PETROLEUM PRODUCTS	VU	125	0	0.0%	13	861.5%	515	1,044	-50.7%
PETROLEUM PRODUCTS ASIA	E6M	20	60	-66.7%	0	0.0%	148	714	-79.3%

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Commodity		VOLUME OCT 2019	VOLUME OCT 2018	% CHG	VOLUME SEP 2019	% CHG	VOLUME Y.T.D 2019	VOLUME Y.T.D 2018	% CHG
<b>Energy Futures</b>									
PETROLEUM PRODUCTS ASIA	MJN	400	1,851	-78.4%	735	-45.6%	13,781	19,035	-27.6%
PETROLEUM PRODUCTS ASIA	MSB	0	0	0.0%	0	0.0%	20	0	0.0%
PETRO OUTRIGHT EURO	0B	160	0	0.0%	50	220.0%	451	84	436.9%
PETRO OUTRIGHT EURO	0C	0	0	0.0%	0	0.0%	45	23	95.7%
PETRO OUTRIGHT EURO	0D	766	1,212	-36.8%	1,510	-49.3%	13,408	13,101	2.3%
PETRO OUTRIGHT EURO	0E	10	0	0.0%	50	-80.0%	136	238	-42.9%
PETRO OUTRIGHT EURO	0F	114	220	-48.2%	254	-55.1%	3,498	5,131	-31.8%
PETRO OUTRIGHT EURO	1T	0	0	0.0%	3	-100.0%	8	39	-79.5%
PETRO OUTRIGHT EURO	33	0	0	0.0%	0	0.0%	0	0	0.0%
PETRO OUTRIGHT EURO	5L	0	0	0.0%	25	-100.0%	228	224	1.8%
PETRO OUTRIGHT EURO	63	30	5	500.0%	62	-51.6%	107	177	-39.5%
PETRO OUTRIGHT EURO	6L	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTRIGHT EURO	7I	220	262	-16.0%	75	193.3%	939	1,161	-19.1%
PETRO OUTRIGHT EURO	7R	39	159	-75.5%	40	-2.5%	1,276	2,933	-56.5%
PETRO OUTRIGHT EURO	88	6	0	0.0%	0	0.0%	31	105	-70.5%
PETRO OUTRIGHT EURO	CBB	35	0	0.0%	0	0.0%	50	55	-9.1%
PETRO OUTRIGHT EURO	CGB	0	0	0.0%	0	0.0%	20	0	0.0%
PETRO OUTRIGHT EURO	CPB	125	190	-34.2%	153	-18.3%	2,125	3,326	-36.1%
PETRO OUTRIGHT EURO	EFF	0	48	-100.0%	0	0.0%	172	164	4.9%
PETRO OUTRIGHT EURO	EFM	0	0	0.0%	0	0.0%	31	0	0.0%
PETRO OUTRIGHT EURO	ENS	0	0	0.0%	17	-100.0%	163	145	12.4%
PETRO OUTRIGHT EURO	ESB	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTRIGHT EURO	EWN	178	893	-80.1%	83	114.5%	4,206	7,143	-41.1%
PETRO OUTRIGHT EURO	FBD	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTRIGHT EURO	FLB	0	0	0.0%	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	75	0	-	144	-47.9%	339	0	-
PETRO OUTRIGHT EURO	M1B	487	0	-	458	6.3%	945	0	-
PETRO OUTRIGHT EURO	M35	5	0	-	19	-73.7%	24	0	-
PETRO OUTRIGHT EURO	MBB	0	0	0.0%	0	0.0%	0	271	-100.0%
PETRO OUTRIGHT EURO	MBN	159	180	-11.7%	220	-27.7%	3,221	8,967	-64.1%
PETRO OUTRIGHT EURO	MEF	143	716	-80.0%	456	-68.6%	3,282	1,139	188.1%
PETRO OUTRIGHT EURO	R53	23	0	-	30	-23.3%	107	0	-
PETRO OUTRIGHT EURO	R5M	321	0	-	227	41.4%	1,383	0	-
PETRO OUTRIGHT EURO	R5O	970	0	-	933	4.0%	2,155	0	-
PETRO OUTRIGHT EURO	S5F	68	0	-	18	277.8%	109	0	-



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<b>Energy Futures</b>									
PETRO OUTRIGHT EURO	S5M	458	0	-	201	127.9%	1,269	0	-
PETRO OUTRIGHT EURO	S5O	235	0	-	78	201.3%	319	0	-
PETRO OUTRIGHT EURO	SMU	125	0	0.0%	100	25.0%	850	553	53.7%
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	-	0	0.0%	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	0	0.0%	0	0.0%	0	116	-100.0%
PETRO OUTRIGHT NA	FCB	0	64	-100.0%	0	0.0%	426	808	-47.3%
PETRO OUTRIGHT NA	FOM	0	0	0.0%	0	0.0%	0	8	-100.0%
PETRO OUTRIGHT NA	JE	0	0	0.0%	180	-100.0%	240	69	247.8%
PETRO OUTRIGHT NA	JET	2,825	4,270	-33.8%	1,475	91.5%	23,955	31,425	-23.8%
PETRO OUTRIGHT NA	JTB	548	2,090	-73.8%	1,025	-46.5%	7,323	6,650	10.1%
PETRO OUTRIGHT NA	MBL	70	0	0.0%	204	-65.7%	274	40	585.0%
PETRO OUTRIGHT NA	MEN	225	401	-43.9%	128	75.8%	1,679	4,379	-61.7%
PETRO OUTRIGHT NA	MEO	1,431	3,298	-56.6%	1,005	42.4%	22,488	36,006	-37.5%
PETRO OUTRIGHT NA	MFD	43	0	0.0%	0	0.0%	338	100	238.0%
PETRO OUTRIGHT NA	MMF	24	63	-61.9%	40	-40.0%	819	193	324.4%
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	0	0.0%	0	0.0%	117,180	41,397	183.1%
PJM AD HUB 5MW REAL TIME	Z9	0	0	0.0%	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	1,280	-100.0%	0	0.0%	3,845	6,380	-39.7%
PJM NI HUB 5MW REAL TIME	B6	0	0	0.0%	0	0.0%	70,000	5,925	1,081.4%
PJM NILL DA OFF-PEAK	L3	0	770	-100.0%	0	0.0%	0	770	-100.0%
PJM NILL DA PEAK	N3	0	42	-100.0%	0	0.0%	0	64	-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	39,200	-100.0%	0	0.0%	47,100	349,120	-86.5%
PJM WESTH RT PEAK	L1	4,355	2,555	70.5%	2,186	99.2%	53,631	59,191	-9.4%
PLASTICS	PGP	802	1,159	-30.8%	690	16.2%	7,212	4,314	67.2%
PREMIUM UNLD 10P FOB MED	3G	0	79	-100.0%	32	-100.0%	837	2,392	-65.0%
PREMIUM UNLEAD 10PPM FOB	8G	0	0	0.0%	74	-100.0%	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	0	0	0.0%	5	-100.0%	35	326	-89.3%
PROPANE NON-LDH MB (OPIS) BALMO SWP	1S	1,871	170	1,000.6%	742	152.2%	14,672	5,189	182.8%
PROPANE NON-LDH MT. BEL (OPIS) SWP	1R	24,330	17,773	36.9%	20,035	21.4%	190,210	126,794	50.0%
RBOB CALENDAR SWAP	RL	4,190	7,181	-41.7%	5,128	-18.3%	57,194	58,539	-2.3%
RBOB CRACK SPREAD	RM	1,360	60	2,166.7%	1,265	7.5%	11,500	9,528	20.7%
RBOB CRACK SPREAD BALMO S	1E	0	0	0.0%	0	0.0%	25	0	0.0%
RBOB GASOLINE BALMO CLNDR	1D	198	530	-62.6%	724	-72.7%	8,818	10,782	-18.2%
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	75	0	0.0%	0	0.0%	150	1,975	-92.4%
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	21	30	-30.0%	96	-78.1%	230	473	-51.4%
SINGAPORE 380CST BALMO	BT	17	261	-93.5%	83	-79.5%	816	2,201	-62.9%
SINGAPORE 380CST FUEL OIL	SE	1,683	6,031	-72.1%	2,108	-20.2%	27,928	84,193	-66.8%
SINGAPORE FUEL 180CST CAL	UA	63	502	-87.5%	32	96.9%	2,327	8,056	-71.1%

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<b>Energy Futures</b>									
SINGAPORE FUEL OIL SPREAD	SD	44	117	-62.4%	100	-56.0%	639	6,011	-89.4%
SINGAPORE GASOIL	MAF	2,372	723	228.1%	2,449	-3.1%	20,184	1,306	1,445.5%
SINGAPORE GASOIL	MTB	186	15	1,140.0%	65	186.2%	642	506	26.9%
SINGAPORE GASOIL	MTS	2,546	4,981	-48.9%	2,759	-7.7%	36,580	47,222	-22.5%
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	234	380	-38.4%	85	175.3%	1,769	4,752	-62.8%
SINGAPORE GASOIL CALENDAR	SGG	0	0	0.0%	0	0.0%	0	325	-100.0%
SINGAPORE GASOIL SWAP	SG	504	731	-31.1%	427	18.0%	9,246	45,674	-79.8%
SINGAPORE GASOIL VS ICE	GA	103	8,370	-98.8%	0	0.0%	4,593	126,410	-96.4%
SINGAPORE JET KERO BALMO	BX	50	0	0.0%	0	0.0%	50	215	-76.7%
SINGAPORE JET KERO GASOIL	RK	0	300	-100.0%	0	0.0%	100	34,145	-99.7%
SINGAPORE JET KEROSENE SW	KS	1,015	925	9.7%	425	138.8%	6,005	13,000	-53.8%
SINGAPORE JET KERO VS. GASOIL BALMO	Z0	0	0	0.0%	0	0.0%	0	400	-100.0%
SINGAPORE MOGAS 92 UNLEADED BALMO	1P	0	375	-100.0%	25	-100.0%	1,500	5,721	-73.8%
SINGAPORE MOGAS 92 UNLEADED SWP	1N	2,654	14,751	-82.0%	2,385	11.3%	88,322	137,888	-35.9%
SINGAPORE NAPHTHA SWAP	SP	0	0	0.0%	0	0.0%	0	200	-100.0%
SING FUEL	MSD	5	5	0.0%	0	0.0%	5	100	-95.0%
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	190	140	35.7%	180	5.6%	2,431	857	183.7%
TC5 RAS TANURA TO YOKOHAM	TH	60	680	-91.2%	840	-92.9%	3,401	1,025	231.8%
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	9,664	3,036	218.3%	8,334	16.0%	55,944	12,436	349.9%
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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## NYMEX/COMEX Exchange Volume Report - Monthly

Commodity		VOLUME OCT 2019	VOLUME OCT 2018	% CHG	VOLUME SEP 2019	% CHG	VOLUME Y.T.D 2019	VOLUME Y.T.D 2018	% CHG
<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	365	327	11.6%	1,210	-69.8%	6,044	46,381	-87.0%
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	11,105	6,700	65.7%	5,055	119.7%	56,330	56,104	0.4%
UP DOWN GC ULSD VS NMX HO	LT	50,085	38,271	30.9%	46,097	8.7%	341,098	327,620	4.1%
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	504	0	0.0%	0	0.0%	1,953	6,650	-70.6%
WTI-BRENT CALENDAR SWAP	BK	39,659	17,795	122.9%	34,379	15.4%	362,445	315,150	15.0%
WTI CALENDAR	CS	43,833	40,550	8.1%	38,470	13.9%	402,397	336,439	19.6%
WTS (ARGUS) VS WTI SWAP	FF	6,165	6,088	1.3%	1,625	279.4%	44,697	85,590	-47.8%
WTS (ARGUS) VS WTI TRD MT	FH	620	720	-13.9%	42	1,376.2%	7,155	6,105	17.2%
<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	7,322	-100.0%	0	0.0%	3,810	13,176	-71.1%
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	600	18,450	-96.7%	0	0.0%	35,790	410,488	-91.3%
BRENT CRUDE OIL 6 M CSO	9L	0	0	0.0%	0	0.0%	0	1,000	-100.0%
BRENT OIL LAST DAY	BE	10,600	33,388	-68.3%	18,287	-42.0%	342,576	299,720	14.3%
BRENT OIL LAST DAY	BZO	78,796	395,735	-80.1%	90,601	-13.0%	957,448	1,687,631	-43.3%
BRENT OIL LAST DAY	OS	0	0	0.0%	0	0.0%	0	1,190	-100.0%
COAL API2 INDEX	CLA	10	320	-96.9%	5	100.0%	225	6,425	-96.5%

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## NYMEX/COMEX Exchange Volume Report - Monthly

Commodity		VOLUME OCT 2019	VOLUME OCT 2018	% CHG	VOLUME SEP 2019	% CHG	VOLUME Y.T.D 2019	VOLUME Y.T.D 2018	% CHG
<b>Energy Options</b>									
COAL API2 INDEX	CQA	0	25	-100.0%	75	-100.0%	835	3,480	-76.0%
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	145,676	223,270	-34.8%	226,275	-35.6%	2,245,462	2,027,905	10.7%
CRUDE OIL APO	AO	24,287	19,147	26.8%	32,964	-26.3%	435,028	433,796	0.3%
CRUDE OIL CALNDR STRIP	6F	0	0	0.0%	0	0.0%	200	170	17.6%
CRUDE OIL OUTRIGHTS	AH	0	8,000	-100.0%	0	0.0%	0	8,000	-100.0%
CRUDE OIL OUTRIGHTS	DBP	0	0	0.0%	0	-	0	0	0.0%
CRUDE OIL OUTRIGHTS	WCI	0	390	-100.0%	0	0.0%	960	390	146.2%
CRUDE OIL PHY	CD	0	1,500	-100.0%	0	0.0%	1,300	20,850	-93.8%
CRUDE OIL PHY	LC	13,920	16,765	-17.0%	8,746	59.2%	105,716	104,211	1.4%
CRUDE OIL PHY	LO	2,460,453	4,061,250	-39.4%	3,110,314	-20.9%	27,326,422	35,441,404	-22.9%
CRUDE OIL PHY	LO1	21,271	34,024	-37.5%	14,055	51.3%	156,562	158,262	-1.1%
CRUDE OIL PHY	LO2	12,804	22,560	-43.2%	9,337	37.1%	139,951	158,586	-11.8%
CRUDE OIL PHY	LO3	5,614	13,678	-59.0%	21,584	-74.0%	99,186	106,667	-7.0%
CRUDE OIL PHY	LO4	13,700	22,702	-39.7%	21,121	-35.1%	159,560	159,490	0.0%
CRUDE OIL PHY	LO5	844	0	0.0%	0	0.0%	48,958	49,705	-1.5%
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	9,635	3,777	155.1%	9,400	2.5%	109,961	63,203	74.0%
ETHANOL SWAP	GVR	0	0	0.0%	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	0	0	-	1,800	-100.0%	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	100	270	-63.0%	175	-42.9%	2,002	1,020	96.3%
HEATING OIL PHY	OH	24,590	30,558	-19.5%	28,571	-13.9%	282,450	295,007	-4.3%
HENRY HUB FINANCIAL LAST	E7	5,479	3,501	56.5%	8,984	-39.0%	63,159	43,935	43.8%
HO 1 MONTH CLNDR OPTIONS	FA	0	100	-100.0%	0	0.0%	2,150	100	2,050.0%
LLS CRUDE OIL	WJO	0	0	0.0%	0	0.0%	0	100	-100.0%



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<b>Energy Options</b>									
LLS CRUDE OIL	YVO	0	0	0.0%	0	0.0%	0	0	0.0%
MCCLOSKEY ARA ARGS COAL	MTO	50	0	0.0%	0	0.0%	180	290	-37.9%
MCCLOSKEY RCH BAY COAL	MFO	180	70	157.1%	0	0.0%	1,100	2,075	-47.0%
NATURAL GAS	G10	0	0	0.0%	0	-	0	0	0.0%
NATURAL GAS 1 M CSO FIN	G4	136,901	50,700	170.0%	183,177	-25.3%	753,553	369,120	104.1%
NATURAL GAS 2 M CSO FIN	G2	600	0	0.0%	1,500	-60.0%	6,225	1,400	344.6%
NATURAL GAS 3 M CSO FIN	G3	900	200	350.0%	46,275	-98.1%	225,525	44,246	409.7%
NATURAL GAS 5 M CSO FIN	G5	1,900	0	0.0%	1,250	52.0%	4,750	2,550	86.3%
NATURAL GAS 6 M CSO FIN	G6	16,500	5,800	184.5%	6,450	155.8%	64,025	84,400	-24.1%
NATURAL GAS OPTION ON CALENDAR STRP	6J	3,820	4,270	-10.5%	3,040	25.7%	25,820	27,642	-6.6%
NATURAL GAS PHY	KD	10,295	13,914	-26.0%	6,461	59.3%	40,973	195,549	-79.0%
NATURAL GAS PHY	LN	2,025,354	2,554,574	-20.7%	2,018,168	0.4%	15,455,036	18,159,969	-14.9%
NATURAL GAS PHY	ON	138,825	247,661	-43.9%	126,016	10.2%	1,243,073	1,814,563	-31.5%
NATURAL GAS WINTER STRIP	6I	0	600	-100.0%	0	0.0%	1,500	2,700	-44.4%
N ROCKIES PIPE SWAP	ZR	182	0	0.0%	546	-66.7%	4,352	2,016	115.9%
NY HARBOR HEAT OIL SWP	AT	7,334	3,450	112.6%	2,000	266.7%	26,321	26,093	0.9%
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	16	1,347	-98.8%	50	-68.0%	4,845	6,652	-27.2%
PETROCHEMICALS	4J	0	0	0.0%	0	0.0%	200	1,350	-85.2%
PETROCHEMICALS	4K	0	0	0.0%	400	-100.0%	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	12	0	-	0	0.0%	36	0	-
PETRO OUTRIGHT NA	DAP	0	0	0.0%	180	-100.0%	420	192	118.8%
PJM WES HUB PEAK CAL MTH	6OA	190	270	-29.6%	20	850.0%	850	720	18.1%
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	252	-100.0%	0	0.0%	836	7,404	-88.7%
RBOB 1MO CAL SPD OPTIONS	ZA	0	0	0.0%	0	0.0%	150	700	-78.6%
RBOB CALENDAR SWAP	RA	75	85	-11.8%	120	-37.5%	576	1,050	-45.1%
RBOB CRACK	RX	0	2	-100.0%	0	0.0%	0	2	-100.0%
RBOB PHY	OB	5,986	20,089	-70.2%	9,354	-36.0%	141,430	121,448	16.5%
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	910	31	2,835.5%	0	0.0%	3,880	2,149	80.5%

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<b>Energy Options</b>									
SHORT TERM	C15	0	500	-100.0%	0	0.0%	0	500	-100.0%
SHORT TERM	U11	0	0	0.0%	0	0.0%	700	1,236	-43.4%
SHORT TERM	U12	0	150	-100.0%	450	-100.0%	1,480	1,100	34.5%
SHORT TERM	U13	0	0	0.0%	0	0.0%	150	400	-62.5%
SHORT TERM	U14	0	0	0.0%	0	0.0%	150	863	-82.6%
SHORT TERM	U15	0	0	0.0%	0	0.0%	1,275	797	60.0%
SHORT TERM	U22	0	50	-100.0%	0	0.0%	1	1,271	-99.9%
SHORT TERM	U23	0	0	0.0%	0	0.0%	117	898	-87.0%
SHORT TERM	U24	0	0	0.0%	0	0.0%	250	879	-71.6%
SHORT TERM	U25	0	50	-100.0%	0	0.0%	0	152	-100.0%
SHORT TERM	U26	0	0	0.0%	100	-100.0%	100	400	-75.0%
SHORT TERM NATURAL GAS	U01	125	0	0.0%	0	0.0%	650	550	18.2%
SHORT TERM NATURAL GAS	U02	0	1,350	-100.0%	0	0.0%	175	2,798	-93.7%
SHORT TERM NATURAL GAS	U03	0	100	-100.0%	0	0.0%	704	1,529	-54.0%
SHORT TERM NATURAL GAS	U04	300	375	-20.0%	0	0.0%	900	1,975	-54.4%
SHORT TERM NATURAL GAS	U05	0	10	-100.0%	0	0.0%	250	1,430	-82.5%
SHORT TERM NATURAL GAS	U06	0	0	0.0%	100	-100.0%	505	1,500	-66.3%
SHORT TERM NATURAL GAS	U07	0	0	0.0%	0	0.0%	650	1,601	-59.4%
SHORT TERM NATURAL GAS	U08	200	100	100.0%	0	0.0%	2,650	1,477	79.4%
SHORT TERM NATURAL GAS	U09	100	0	0.0%	300	-66.7%	700	1,534	-54.4%
SHORT TERM NATURAL GAS	U10	400	0	0.0%	500	-20.0%	1,150	1,250	-8.0%
SHORT TERM NATURAL GAS	U16	0	0	0.0%	0	0.0%	250	700	-64.3%
SHORT TERM NATURAL GAS	U17	300	0	0.0%	0	0.0%	450	2,296	-80.4%
SHORT TERM NATURAL GAS	U18	0	150	-100.0%	0	0.0%	125	1,622	-92.3%
SHORT TERM NATURAL GAS	U19	0	100	-100.0%	0	0.0%	100	348	-71.3%
SHORT TERM NATURAL GAS	U20	0	0	0.0%	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%	0	0.0%	100	460	-78.3%
SHORT TERM NATURAL GAS	U30	0	0	0.0%	300	-100.0%	600	100	500.0%
SHORT TERM NATURAL GAS	U31	200	0	0.0%	0	0.0%	1,400	27	5,085.2%
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	22,375	31,844	-29.7%	66,900	-66.6%	533,305	807,295	-33.9%

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<b>Energy Options</b>									
WTI CRUDE OIL 1 M CSO FI	7A	84,250	87,050	-3.2%	21,550	291.0%	536,920	722,900	-25.7%
<b>Metals Futures</b>									
COMEX GOLD	GC	8,016,150	6,470,243	23.9%	8,582,865	-6.6%	72,187,124	69,818,341	3.4%
NYMEX HOT ROLLED STEEL	HR	14,616	9,665	51.2%	9,200	58.9%	154,267	100,378	53.7%
NYMEX PLATINUM	PL	408,309	383,720	6.4%	739,168	-44.8%	4,874,423	4,592,785	6.1%
PALLADIUM	PA	90,724	116,003	-21.8%	80,152	13.2%	1,052,377	1,210,714	-13.1%
URANIUM	UX	0	827	-100.0%	1,217	-100.0%	10,601	4,279	147.7%
COMEX SILVER	SI	1,810,516	1,793,534	0.9%	2,579,873	-29.8%	20,272,134	20,387,306	-0.6%
COMEX E-Mini GOLD	QO	26,356	11,250	134.3%	32,339	-18.5%	202,992	82,303	146.6%
COMEX E-Mini SILVER	QI	3,663	936	291.3%	7,461	-50.9%	45,047	11,507	291.5%
COMEX COPPER	HG	1,673,956	2,625,852	-36.3%	1,491,394	12.2%	20,226,486	28,757,243	-29.7%
COMEX MINY COPPER	QC	544	415	31.1%	743	-26.8%	6,632	4,596	44.3%
ALUMINUM	A38	0	72	-100.0%	0	0.0%	22	72	-69.4%
ALUMINUM	AEP	6,340	2,425	161.4%	1,738	264.8%	21,883	14,730	48.6%
ALUMINUM	ALA	360	40	800.0%	305	18.0%	920	5,515	-83.3%
ALUMINUM	ALI	3,243	0	0.0%	3,264	-0.6%	9,975	0	0.0%
ALUMINUM	AUP	10,173	8,603	18.2%	4,593	121.5%	62,612	87,362	-28.3%
ALUMINUM	CUP	0	0	0.0%	0	0.0%	0	205	-100.0%
ALUMINUM	EDP	5,088	3,770	35.0%	98	5,091.8%	21,756	15,491	40.4%
ALUMINUM	MJP	690	1,620	-57.4%	1,440	-52.1%	10,270	11,835	-13.2%
COPPER	HGS	2,280	2,611	-12.7%	1,007	126.4%	9,339	14,846	-37.1%
E-MICRO GOLD	MGC	812,994	246,996	229.2%	722,659	12.5%	4,502,875	1,483,874	203.5%
FERROUS PRODUCTS	BUS	733	2,407	-69.5%	1,403	-47.8%	10,939	17,087	-36.0%
GOLD	GPS	0	0	0.0%	0	-	0	0	0.0%
GOLD	SGC	9,584	0	-	0	-	9,584	0	-
GOLD	SGU	6,086	0	-	0	-	6,086	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	1,961	4,792	-59.1%	2,944	-33.4%	50,645	37,753	34.1%
LNDN ZINC	ZNC	0	4,601	-100.0%	0	0.0%	1,230	10,544	-88.3%
SILVER	SIL	40,222	9,494	323.7%	57,038	-29.5%	272,128	77,342	251.9%

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<b>Metals Options</b>									
COMEX COPPER	HX	55,619	45,773	21.5%	58,578	-5.1%	594,161	285,266	108.3%
COMEX GOLD	OG	1,194,383	1,173,373	1.8%	1,442,620	-17.2%	13,235,965	9,891,383	33.8%
COMEX SILVER	SO	170,632	146,547	16.4%	325,453	-47.6%	1,887,662	1,563,448	20.7%
COPPER	H1E	91	12	658.3%	40	127.5%	459	47	876.6%
COPPER	H2E	170	23	639.1%	42	304.8%	798	136	486.8%
COPPER	H3E	358	6	5,866.7%	497	-28.0%	984	107	819.6%
COPPER	H4E	183	0	0.0%	11	1,563.6%	309	169	82.8%
COPPER	H5E	0	0	0.0%	0	0.0%	97	12	708.3%
GOLD	OG1	65,308	18,142	260.0%	59,270	10.2%	430,067	113,226	279.8%
GOLD	OG2	55,336	21,515	157.2%	47,380	16.8%	373,994	102,108	266.3%
GOLD	OG3	33,603	13,503	148.9%	52,496	-36.0%	295,619	109,006	171.2%
GOLD	OG4	20,976	7,167	192.7%	30,497	-31.2%	203,817	71,820	183.8%
GOLD	OG5	0	0	0.0%	0	0.0%	62,377	26,028	139.7%
HOT ROLLED COIL STEEL CALL OPTION	HRO	150	0	0.0%	0	0.0%	1,050	0	0.0%
IRON ORE 62 CHINA TSI CALL OPTION	ICT	30	0	0.0%	40	-25.0%	6,830	200	3,315.0%
IRON ORE 62 CHINA TSI PUT OPTION	ICT	0	0	0.0%	0	0.0%	3,600	1,280	181.3%
NYMEX PLATINUM	PO	3,419	2,900	17.9%	3,464	-1.3%	35,186	40,098	-12.2%
PALLADIUM	PAO	1,608	1,098	46.4%	823	95.4%	12,370	27,735	-55.4%
SILVER	SO1	3,517	1,204	192.1%	4,896	-28.2%	20,229	4,978	306.4%
SILVER	SO2	3,301	1,036	218.6%	5,021	-34.3%	17,752	4,204	322.3%
SILVER	SO3	2,729	666	309.8%	2,823	-3.3%	15,764	6,024	161.7%
SILVER	SO4	795	385	106.5%	1,294	-38.6%	6,360	3,177	100.2%
SILVER	SO5	0	0	0.0%	0	0.0%	4,033	2,092	92.8%
<b>TOTAL FUTURES GROUP</b>									
Ag Products Futures		2	7	-71.4%	6	-66.7%	56	83	-32.5%
Energy Futures		47,350,805	50,103,240	-5.5%	49,445,734	-4.2%	457,734,873	468,894,192	-2.4%
Metals Futures		12,944,588	11,699,876	10.6%	14,320,901	-9.6%	124,022,347	126,746,244	-2.1%
<b>TOTAL FUTURES</b>		<b>60,295,395</b>	<b>61,803,123</b>	<b>-2.4%</b>	<b>63,766,641</b>	<b>-5.4%</b>	<b>581,757,276</b>	<b>595,640,519</b>	<b>-2.3%</b>



## NYMEX/COMEX Exchange Volume Report - Monthly

Commodity	VOLUME OCT 2019	VOLUME OCT 2018	% CHG	VOLUME SEP 2019	% CHG	VOLUME Y.T.D 2019	VOLUME Y.T.D 2018	% CHG
<b>TOTAL OPTIONS GROUP</b>								
Energy Options	5,286,659	7,941,876	-33.4%	6,097,501	-13.3%	51,616,903	63,945,325	-19.3%
Metals Options	1,612,208	1,433,350	12.5%	2,035,245	-20.8%	17,209,483	12,252,544	40.5%
<b>TOTAL OPTIONS</b>	<b>6,898,867</b>	<b>9,375,226</b>	<b>-26.4%</b>	<b>8,132,746</b>	<b>-15.2%</b>	<b>68,826,386</b>	<b>76,197,869</b>	<b>-9.7%</b>
<b>TOTAL COMBINED</b>								
Ag Products	2	7	-71.4%	6	-66.7%	56	83	-32.5%
Energy	52,637,464	58,045,116	-9.3%	55,543,235	-5.2%	509,351,776	532,839,517	-4.4%
Metals	14,556,796	13,133,226	10.8%	16,356,146	-11.0%	141,231,830	138,998,788	1.6%
<b>GRAND TOTAL</b>	<b>67,194,262</b>	<b>71,178,349</b>	<b>-5.6%</b>	<b>71,899,387</b>	<b>-6.5%</b>	<b>650,583,662</b>	<b>671,838,388</b>	<b>-3.2%</b>