



NYMEX/COMEX Exchange Volume Report - Monthly

Commodity		VOLUME JUN 2019	VOLUME JUN 2018	% CHG	VOLUME MAY 2019	% CHG	VOLUME Y.T.D 2019	VOLUME Y.T.D 2018	% CHG
Ag Products Futures									
COCOA TAS	CJ	8	0	0.0%	0	0.0%	8	5	60.0%
COFFEE	KT	0	0	0.0%	0	-	0	0	0.0%
COTTON	TT	6	0	0.0%	6	0.0%	15	2	650.0%
SUGAR 11	YO	10	0	0.0%	0	0.0%	10	58	-82.8%
Energy Futures									
CRUDE OIL PHY	CL	23,435,515	28,577,603	-18.0%	28,524,448	-17.8%	152,076,255	167,796,459	-9.4%
CRUDE OIL	WS	0	2,000	-100.0%	0	0.0%	16,694	10,339	61.5%
MINY WTI CRUDE OIL	QM	590,831	380,831	55.1%	512,407	15.3%	2,658,389	1,976,858	34.5%
BRENT OIL LAST DAY	BZ	2,503,878	2,192,103	14.2%	3,157,794	-20.7%	13,113,319	11,199,214	17.1%
HEATING OIL PHY	HO	3,370,846	3,738,044	-9.8%	4,011,830	-16.0%	20,235,303	24,223,600	-16.5%
HTG OIL	BH	0	0	0.0%	0	0.0%	48	48	0.0%
MINY HTG OIL	QH	3	3	0.0%	3	0.0%	20	18	11.1%
RBOB PHY	RB	4,270,153	4,174,973	2.3%	4,833,496	-11.7%	26,985,024	24,909,845	8.3%
MINY RBOB GAS	QU	7	4	75.0%	6	16.7%	37	19	94.7%
NATURAL GAS	HP	116,365	55,580	109.4%	106,603	9.2%	665,558	743,814	-10.5%
LTD NAT GAS	HH	341,493	294,801	15.8%	280,360	21.8%	1,925,580	2,124,948	-9.4%
MINY NATURAL GAS	QG	27,384	18,636	46.9%	24,233	13.0%	157,706	167,562	-5.9%
PJM MONTHLY	JM	0	0	0.0%	0	0.0%	0	0	0.0%
NATURAL GAS PHY	NG	8,344,210	8,010,415	4.2%	7,049,809	18.4%	44,911,795	54,591,384	-17.7%
RBOB GAS	RT	0	0	0.0%	0	0.0%	60	14,338	-99.6%
3.5% FUEL OIL CID MED SWA	7D	5	0	0.0%	63	-92.1%	78	452	-82.7%
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	5,900	24,959	-76.4%	4,565	29.2%	70,241	160,131	-56.1%
ARGUS PROPAN FAR EST INDE	7E	5,678	3,472	63.5%	5,659	0.3%	37,537	36,383	3.2%
ARGUS PROPAN(SAUDI ARAMCO	9N	1,995	1,335	49.4%	2,869	-30.5%	17,382	15,127	14.9%

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Energy Futures									
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	200	0	0.0%	0	0.0%	913	50	1,726.0%
BRENT CALENDAR SWAP	CY	12,231	2,727	348.5%	11,430	7.0%	36,060	23,323	54.6%
BRENT CFD SWAP	6W	0	0	0.0%	0	0.0%	0	300	-100.0%
BRENT FINANCIAL FUTURES	BB	0	2,288	-100.0%	0	0.0%	7,000	13,264	-47.2%
BRENT FINANCIAL FUTURES	MBC	0	0	-	22	-100.0%	82	0	-
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	96,843	82,702	17.1%	121,567	-20.3%	653,283	625,283	4.5%
CHICAGO ULSD (PLATTS) SWA	4C	0	0	0.0%	0	-	0	0	0.0%
CHICAGO ULSD PL VS HO SPR	5C	672	662	1.5%	1,096	-38.7%	3,849	1,984	94.0%
CHICAGO UNL GAS PL VS RBO	3C	200	100	100.0%	0	0.0%	875	625	40.0%
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	442	1,604	-72.4%	524	-15.6%	3,182	7,580	-58.0%
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	0	0.0%
COAL SWAP	ACM	0	120	-100.0%	0	0.0%	0	420	-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	75	102	-26.5%	124	-39.5%	1,183	1,225	-3.4%
CONWAY NORMAL BUTANE (OPIS) SWAP	8M	1,003	1,632	-38.5%	635	58.0%	2,461	2,217	11.0%
CONWAY PROPANE 5 DECIMALS SWAP	8K	21,126	16,808	25.7%	17,077	23.7%	94,998	97,566	-2.6%
CRUDE OIL	LPS	2,400	4,500	-46.7%	3,000	-20.0%	17,725	28,805	-38.5%
CRUDE OIL OUTRIGHTS	42	414	412	0.5%	491	-15.7%	3,009	1,554	93.6%
CRUDE OIL OUTRIGHTS	CC5	750	0	0.0%	350	114.3%	2,450	0	0.0%

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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	530	0	0.0%	360	47.2%	2,920	5	58,300.0%
CRUDE OIL OUTRIGHTS	DBL	400	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	48,141	55,548	-13.3%	69,098	-30.3%	355,798	332,193	7.1%
CRUDE OIL OUTRIGHTS	LSW	180	0	0.0%	120	50.0%	3,138	290	982.1%
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	3,530	2,291	54.1%	3,202	10.2%	30,759	51,192	-39.9%
CRUDE OIL PHY	CLL	0	0	0.0%	0	0.0%	0	0	0.0%
CRUDE OIL PHY	HCL	12,739	0	-	25,584	-50.2%	130,445	0	-
CRUDE OIL SPRDS	38	0	0	0.0%	0	0.0%	0	2,055	-100.0%
CRUDE OIL SPRDS	HIL	0	0	-	720	-100.0%	720	0	-
CRUDE OIL SPRDS	WTT	22,810	38,053	-40.1%	29,627	-23.0%	136,285	313,790	-56.6%
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	390	-100.0%	100	-100.0%	1,000	3,050	-67.2%
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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Energy Futures									
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	1,175	271	333.6%	105	1,019.0%	17,048	11,952	42.6%
DUTCH TTF NATURAL GAS CAL MONTH FUT	TTF	4,217	1,102	282.7%	6,444	-34.6%	41,877	6,698	525.2%
DY EURO 3.5% FUEL OI RDA	FOR	0	0	0.0%	0	-	0	0	0.0%
EASTERN RAIL DELIVERY CSX	QX	0	45	-100.0%	0	0.0%	0	230	-100.0%
EAST/WEST FUEL OIL SPREAD	EW	10	0	0.0%	0	0.0%	10	157	-93.6%
EIA FLAT TAX ONHWAY DIESE	A5	686	572	19.9%	500	37.2%	2,253	1,449	55.5%
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	440	-100.0%	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	440	-100.0%	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	0	90	-100.0%	155	-100.0%	520	130	300.0%
ETHANOL T2 FOB ROTT INCL DUTY SWAP	Z1	2,207	2,587	-14.7%	2,829	-22.0%	21,599	18,271	18.2%
EURO 1% FUEL OIL NEW BALM	KX	0	3	-100.0%	3	-100.0%	3	23	-87.0%
EURO 3.5% FUEL OIL RDAM B	KR	6	694	-99.1%	40	-85.0%	219	4,009	-94.5%

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EURO 3.5% FUEL OIL SPREAD	FK	15	130	-88.5%	35	-57.1%	135	692	-80.5%
EURO-DENOMINATED PETRO PROD	NCP	0	0	0.0%	0	0.0%	0	0	0.0%
EURO GASOIL 10PPM VS ICE	ET	0	5	-100.0%	0	0.0%	0	370	-100.0%
EUROPE 1% FUEL OIL NWE CA	UF	6	0	0.0%	341	-98.2%	450	318	41.5%
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	5	0	0.0%	62	-91.9%	353	671	-47.4%
EUROPE 3.5% FUEL OIL RDAM	UV	604	9,436	-93.6%	759	-20.4%	6,893	56,637	-87.8%
EUROPEAN GASOIL (ICE)	7F	156	551	-71.7%	48	225.0%	632	2,999	-78.9%
EUROPEAN NAPHTHA BALMO	KZ	159	289	-45.0%	110	44.5%	1,154	1,602	-28.0%
EUROPEAN NAPHTHA CRACK SPR	EN	4,300	9,397	-54.2%	3,886	10.7%	30,100	55,665	-45.9%
EUROPE DATED BRENT SWAP	UB	575	0	0.0%	260	121.2%	1,633	0	0.0%
EUROPE JET KERO NWE CALSW	UJ	0	0	0.0%	0	0.0%	5	15	-66.7%
EUROPE NAPHTHA CALSWAP	UN	1,246	3,267	-61.9%	2,135	-41.6%	13,202	19,449	-32.1%
EURO PROPANE CIF ARA SWA	PS	1,921	1,386	38.6%	1,687	13.9%	12,136	11,328	7.1%
FLORIDA GAS ZONE3 BASIS S	FP	0	0	0.0%	0	-	0	0	0.0%
FREIGHT MARKETS	FLP	110	42	161.9%	187	-41.2%	782	608	28.6%
FREIGHT MARKETS	FRC	290	5	5,700.0%	150	93.3%	890	540	64.8%
FREIGHT MARKETS	FRS	70	0	0.0%	0	0.0%	70	0	0.0%
FREIGHT MARKETS	T2D	765	280	173.2%	580	31.9%	3,555	1,608	121.1%
FREIGHT MARKETS	TC6	0	0	0.0%	0	0.0%	0	240	-100.0%
FREIGHT MARKETS	TD3	0	0	-	0	0.0%	70	0	-
FREIGHT MARKETS	TD8	0	0	-	0	0.0%	60	0	-
FUEL OIL CRACK VS ICE	FO	1,100	4,411	-75.1%	2,974	-63.0%	9,954	28,135	-64.6%
FUEL OIL NWE CRACK VS ICE	FI	0	0	0.0%	0	0.0%	15	171	-91.2%
FUEL OIL (PLATS) CAR CM	1W	6	0	0.0%	0	0.0%	6	154	-96.1%
FUEL OIL (PLATS) CAR CN	1X	0	0	0.0%	0	0.0%	0	72	-100.0%
FUELOIL SWAP:CARGOES VS.B	FS	184	89	106.7%	382	-51.8%	1,380	1,510	-8.6%
GAS EURO-BOB OXY NWE BARGES	7H	4,428	8,708	-49.2%	4,720	-6.2%	39,935	48,459	-17.6%
GAS EURO-BOB OXY NWE BARGES CRK	7K	7,358	16,154	-54.5%	8,759	-16.0%	57,786	126,424	-54.3%
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%	5	-100.0%	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	6	0	0.0%	0	0.0%	21	5	320.0%
GASOIL 0.1 ROTTERDAM BARG	VL	0	185	-100.0%	30	-100.0%	103	1,160	-91.1%
GASOIL 10P CRG CIF NW VS	3V	0	0	0.0%	0	-	0	0	0.0%

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Energy Futures									
GASOIL 10PPM VS ICE SWAP	TP	0	0	0.0%	15	-100.0%	39	12	225.0%
GASOIL BULLET SWAP	BG	0	0	0.0%	0	-	0	0	0.0%
GASOIL CALENDAR SWAP	GX	12	12	0.0%	12	0.0%	78	48	62.5%
GASOIL CRACK SPREAD CALEN	GZ	3,272	3,038	7.7%	300	990.7%	4,034	31,196	-87.1%
GASOIL MINI CALENDAR SWAP	QA	266	219	21.5%	165	61.2%	1,271	886	43.5%
GERMAN POWER BASELOAD CAL MONTH FU	DEB	867	0	0.0%	2,986	-71.0%	12,292	2,076	492.1%
GROUP THREE ULSD (PLATTS)	A7	0	30	-100.0%	0	0.0%	0	185	-100.0%
GROUP THREE UNLEAD GAS (P	A9	0	0	0.0%	0	0.0%	0	425	-100.0%
GRP THREE ULSD(PLT)VS HEA	A6	2,901	3,639	-20.3%	7,091	-59.1%	20,347	22,778	-10.7%
GRP THREE UNL GS (PLT) VS	A8	1,100	970	13.4%	2,469	-55.4%	18,007	11,632	54.8%
GULF COAST 3% FUEL OIL BA	VZ	389	969	-59.9%	385	1.0%	4,129	8,639	-52.2%
GULF COAST JET FUEL CLNDR	GE	0	174	-100.0%	0	0.0%	267	855	-68.8%
GULF COAST JET VS NYM 2 H	ME	24,016	27,568	-12.9%	32,243	-25.5%	132,050	244,040	-45.9%
GULF COAST NO.6 FUEL OIL	MF	18,925	62,683	-69.8%	23,903	-20.8%	147,148	378,336	-61.1%
GULF COAST NO.6 FUEL OIL	MG	305	2,505	-87.8%	0	0.0%	1,333	13,508	-90.1%
GULF COAST ULSD CALENDAR	LY	752	719	4.6%	536	40.3%	2,565	1,712	49.8%
GULF COAST ULSD CRACK SPR	GY	0	0	0.0%	0	0.0%	0	1,295	-100.0%
HEATING OIL BALMO CLNDR S	1G	480	167	187.4%	0	0.0%	525	223	135.4%
HEATING OIL CRCK SPRD BAL	1H	0	0	-	18	-100.0%	18	0	-
HEATING OIL PHY	HOL	0	0	0.0%	0	0.0%	0	0	0.0%
HENRY HUB BASIS SWAP	HB	1,860	1,240	50.0%	4,800	-61.3%	11,248	7,432	51.3%
HENRY HUB FINANCIAL LAST	NBP	0	4,404	-100.0%	0	0.0%	0	14,071	-100.0%
HENRY HUB FINANCIAL LAST	TTE	0	18	-100.0%	0	0.0%	0	708	-100.0%
HENRY HUB INDEX SWAP FUTU	IN	1,860	1,240	50.0%	4,800	-61.3%	11,248	7,432	51.3%
HENRY HUB SWAP	NN	97,368	150,203	-35.2%	110,794	-12.1%	704,404	1,009,614	-30.2%
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	8,880	5,310	67.2%	6,508	36.4%	34,838	63,648	-45.3%
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%
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%

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Energy Futures									
INDONESIAN COAL ICI4	ICI	235	125	88.0%	370	-36.5%	2,210	535	313.1%
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	0	0.0%	0	0.0%	169	1,689	-90.0%
JAPAN C&F NAPHTHA SWAP	JA	759	2,328	-67.4%	1,127	-32.7%	7,859	12,956	-39.3%
JAPAN NAPHTHA BALMO SWAP	E6	3	23	-87.0%	0	0.0%	279	216	29.2%
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	0	0	0.0%	0	0.0%	70	492	-85.8%
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%	0	-	0	0	0.0%
JET FUEL UP-DOWN BALMO CL	1M	5,064	4,763	6.3%	6,855	-26.1%	26,398	38,837	-32.0%
JKM LNG Futures	JKM	240	975	-75.4%	2,880	-91.7%	9,216	4,945	86.4%
LA CARB DIESEL (OPIS)	LX	0	0	0.0%	0	-	0	0	0.0%
LA CARB DIESEL (OPIS) SWA	KL	30	300	-90.0%	10	200.0%	325	1,750	-81.4%
LA CARBOB GASOLINE(OPIS)S	JL	300	0	0.0%	325	-7.7%	2,300	3,925	-41.4%
LA JET FUEL VS NYM NO 2 H	MQ	0	0	0.0%	0	-	0	0	0.0%
LA JET (OPIS) SWAP	JS	1,510	3,260	-53.7%	875	72.6%	7,880	15,140	-48.0%
LLS (ARGUS) CALENDAR SWAP	XA	0	0	-	0	0.0%	0	0	-
LLS (ARGUS) VS WTI SWAP	WJ	760	5,395	-85.9%	830	-8.4%	15,459	41,890	-63.1%
LOS ANGELES CARB GASOLINE	MH	0	0	-	0	0.0%	0	0	-
MARS (ARGUS) VS WTI SWAP	YX	1,615	1,505	7.3%	1,800	-10.3%	11,380	18,550	-38.7%
MARS (ARGUS) VS WTI TRD M	YV	18,752	23,259	-19.4%	14,500	29.3%	119,387	165,470	-27.8%
MARS BLEND CRUDE OIL	MB	0	0	0.0%	0	0.0%	0	2,119	-100.0%
MCCLOSKEY ARA ARGS COAL	MTF	35,682	24,316	46.7%	28,521	25.1%	175,393	152,708	14.9%
MCCLOSKEY RCH BAY COAL	MFF	2,678	3,430	-21.9%	1,503	78.2%	14,952	20,864	-28.3%
MGF FUT	MGF	0	0	0.0%	0	0.0%	0	130	-100.0%
MGN1 SWAP FUT	MGN	120	40	200.0%	60	100.0%	350	503	-30.4%
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	223	431	-48.3%	304	-26.6%	1,230	2,134	-42.4%
MINI RBOB V. EBOBARG NWE BRGS BALMO	MXR	560	446	25.6%	170	229.4%	3,500	1,809	93.5%
MINI RBOB V. EBOB(ARGUS) NWE BRGS	MXB	2,381	2,030	17.3%	4,067	-41.5%	14,840	9,845	50.7%
MJC FUT	MJC	0	105	-100.0%	40	-100.0%	150	1,195	-87.4%
MNC FUT	MNC	3,904	3,602	8.4%	4,137	-5.6%	25,401	22,425	13.3%
MONT BELVIEU ETHANE 5 DECIMAL	C0	18,473	15,342	20.4%	10,108	82.8%	84,373	93,978	-10.2%

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Energy Futures									
MONT BELVIEU ETHANE OPIS BALMO	8C	225	80	181.3%	95	136.8%	1,064	860	23.7%
MONT BELVIEU LDH PROPANE 5 DECIMAL	B0	150,673	93,321	61.5%	138,967	8.4%	850,120	758,231	12.1%
MONT BELVIEU LDH PROPANE OPIS BALMO	8O	3,520	2,053	71.5%	3,998	-12.0%	20,418	18,154	12.5%
MONT BELVIEU NATURAL GASOLINE 5 DEC	7Q	6,807	7,232	-5.9%	8,244	-17.4%	47,681	54,275	-12.1%
MONT BELVIEU NATURAL GASOLINE BALMO	R0	935	500	87.0%	405	130.9%	3,859	2,629	46.8%
MONT BELVIEU NORMAL BUTANE 5 DECIMAL	D0	55,341	32,425	70.7%	57,721	-4.1%	262,837	186,267	41.1%
MONT BELVIEU NORMAL BUTANE BALMO	8J	514	712	-27.8%	1,839	-72.1%	8,134	5,212	56.1%
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	33,703	14,737	128.7%	36,993	-8.9%	181,573	228,346	-20.5%
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	9,344	-100.0%	0	0.0%	16,560	79,520	-79.2%
NEPOOL INTR HUB 5MW D AH	U6	0	514	-100.0%	0	0.0%	0	4,376	-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	1,077	505	113.3%	855	26.0%	4,524	9,186	-50.8%
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	0	0.0%	0	0.0%	1,240	400	210.0%
NGPL TEX/OK	PD	0	0	0.0%	0	0.0%	2,576	22,836	-88.7%
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	0	145	-100.0%	100	-100.0%	675	2,063	-67.3%
NORTHERN NATURAL GAS DEMAR	PE	0	0	0.0%	0	0.0%	0	0	0.0%
NORTHERN 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%
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	0	0.0%

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Energy Futures									
NY1% VS GC SPREAD SWAP	VR	180	3,064	-94.1%	710	-74.6%	2,655	10,640	-75.0%
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%	250	-100.0%	775	1,000	-22.5%
NY HARBOR 1% FUEL OIL BAL	VK	0	0	0.0%	0	0.0%	0	0	0.0%
NY HARBOR HEAT OIL SWP	MP	2,357	860	174.1%	6,446	-63.4%	14,981	8,416	78.0%
NY HARBOR LOW SULPUR GAS 1000MBBL	NLS	0	45	-100.0%	0	0.0%	390	2,695	-85.5%
NY HARBOR RESIDUAL FUEL 1	MM	427	1,065	-59.9%	597	-28.5%	4,983	7,288	-31.6%
NY HARBOR RESIDUAL FUEL C	ML	0	0	-	0	0.0%	0	0	-
NYH NO 2 CRACK SPREAD CAL	HK	630	615	2.4%	260	142.3%	2,235	6,947	-67.8%
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	4	-100.0%	0	0.0%	240	168	42.9%
NYISO CAPACITY	NNC	0	0	0.0%	0	0.0%	0	407	-100.0%
NYISO CAPACITY	NRS	0	0	0.0%	0	0.0%	60	197	-69.5%
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	27,200	-100.0%	32,704	-100.0%	46,384	578,534	-92.0%
NYISO ZONE G 5MW D AH PK	T3	0	1,510	-100.0%	1,799	-100.0%	1,799	18,284	-90.2%
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	177	0	0.0%	74	139.2%	1,418	134	958.2%
ONEOK OKLAHOMA NG BASIS	8X	0	0	0.0%	0	0.0%	0	0	0.0%
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%	0	10	-100.0%
ONTARIO POWER SWAPS	OPM	0	0	0.0%	100	-100.0%	100	0	0.0%
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%

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Energy Futures									
PERMIAN BASIS SWAP	PM	0	0	0.0%	0	0.0%	0	0	0.0%
PETROCHEMICALS	22	101	79	27.8%	179	-43.6%	987	940	5.0%
PETROCHEMICALS	32	119	78	52.6%	70	70.0%	659	1,111	-40.7%
PETROCHEMICALS	3NA	14	0	-	0	0.0%	47	0	-
PETROCHEMICALS	51	0	0	0.0%	12	-100.0%	17	23	-26.1%
PETROCHEMICALS	8I	725	143	407.0%	239	203.3%	3,677	5,038	-27.0%
PETROCHEMICALS	91	372	182	104.4%	580	-35.9%	2,837	2,722	4.2%
PETROCHEMICALS	HPE	0	0	0.0%	0	-	0	0	0.0%
PETROCHEMICALS	MAA	150	0	0.0%	20	650.0%	250	50	400.0%
PETROCHEMICALS	MAC	0	0	0.0%	0	-	0	0	0.0%
PETROCHEMICALS	MAE	456	100	356.0%	290	57.2%	1,570	1,080	45.4%
PETROCHEMICALS	MAS	323	116	178.4%	313	3.2%	1,211	651	86.0%
PETROCHEMICALS	MBE	300	930	-67.7%	770	-61.0%	2,185	5,230	-58.2%
PETROCHEMICALS	MNB	287	2,345	-87.8%	719	-60.1%	5,183	13,826	-62.5%
PETROCHEMICALS	MPS	696	220	216.4%	154	351.9%	1,475	680	116.9%
PETRO CRCKS & SPRDS ASIA	JNC	0	0	0.0%	0	0.0%	0	0	0.0%
PETRO CRCKS & SPRDS ASIA	STI	50	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	25	90	-72.2%	56	-55.4%	211	499	-57.7%
PETRO CRCKS & SPRDS NA	CRB	4,125	5,525	-25.3%	6,575	-37.3%	39,515	7,130	454.2%
PETRO CRCKS & SPRDS NA	EXR	2,385	3,509	-32.0%	2,553	-6.6%	18,160	18,483	-1.7%
PETRO CRCKS & SPRDS NA	FOC	150	850	-82.4%	950	-84.2%	2,520	5,375	-53.1%
PETRO CRCKS & SPRDS NA	GBB	448	1,345	-66.7%	350	28.0%	3,818	7,165	-46.7%
PETRO CRCKS & SPRDS NA	GCC	0	300	-100.0%	0	0.0%	0	1,590	-100.0%
PETRO CRCKS & SPRDS NA	GCI	2,081	1,418	46.8%	1,225	69.9%	9,219	8,840	4.3%
PETRO CRCKS & SPRDS NA	GCM	0	0	0.0%	0	0.0%	0	142	-100.0%
PETRO CRCKS & SPRDS NA	GCU	1,774	18,743	-90.5%	2,729	-35.0%	19,040	85,466	-77.7%
PETRO CRCKS & SPRDS NA	GFC	0	0	0.0%	0	0.0%	100	25	300.0%
PETRO CRCKS & SPRDS NA	HOB	3,582	705	408.1%	510	602.4%	8,532	6,881	24.0%
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	-
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%	0	0	0.0%
PETRO CRCKS & SPRDS NA	NYH	0	0	0.0%	0	-	0	0	0.0%
PETRO CRCKS & SPRDS NA	RBB	7,201	6,498	10.8%	7,838	-8.1%	55,362	34,803	59.1%
PETRO CRCKS & SPRDS NA	RVG	14,405	19,380	-25.7%	13,850	4.0%	90,308	111,840	-19.3%

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Commodity		VOLUME JUN 2019	VOLUME JUN 2018	% CHG	VOLUME MAY 2019	% CHG	VOLUME Y.T.D 2019	VOLUME Y.T.D 2018	% CHG
Energy Futures									
PETRO CRCKS & SPRDS NA	SF3	70	21	233.3%	42	66.7%	593	288	105.9%
PETRO CRK&SPRD EURO	1NB	375	1,405	-73.3%	755	-50.3%	8,694	11,364	-23.5%
PETRO CRK&SPRD EURO	1ND	0	0	0.0%	0	0.0%	0	100	-100.0%
PETRO CRK&SPRD EURO	43	27	354	-92.4%	50	-46.0%	152	2,333	-93.5%
PETRO CRK&SPRD EURO	BFR	0	0	0.0%	0	0.0%	60	0	0.0%
PETRO CRK&SPRD EURO	BOB	416	1,759	-76.4%	407	2.2%	3,002	12,103	-75.2%
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	5	-100.0%	0	0.0%	15	179	-91.6%
PETRO CRK&SPRD EURO	EPN	543	766	-29.1%	506	7.3%	3,541	5,968	-40.7%
PETRO CRK&SPRD EURO	EVC	150	2,740	-94.5%	270	-44.4%	2,336	14,212	-83.6%
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	150	-100.0%	0	0.0%	282	680	-58.5%
PETRO CRK&SPRD EURO	GOC	0	0	0.0%	0	0.0%	0	84	-100.0%
PETRO CRK&SPRD EURO	MGB	0	0	0.0%	30	-100.0%	120	80	50.0%
PETRO CRK&SPRD EURO	MUD	60	30	100.0%	0	0.0%	70	163	-57.1%
PETRO CRK&SPRD EURO	NBB	0	20	-100.0%	0	0.0%	58	122	-52.5%
PETRO CRK&SPRD EURO	NOB	244	1,185	-79.4%	282	-13.5%	2,925	10,057	-70.9%
PETRO CRK&SPRD EURO	SFB	0	80	-100.0%	0	0.0%	51	110	-53.6%
PETROLEUM PRODUCTS	1NM	100	0	-	240	-58.3%	533	0	-
PETROLEUM PRODUCTS	EWB	0	0	0.0%	0	-	0	0	0.0%
PETROLEUM PRODUCTS	EWG	1,994	2,681	-25.6%	3,200	-37.7%	18,355	27,366	-32.9%
PETROLEUM PRODUCTS	JCC	0	0	-	20	-100.0%	20	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	VU	0	75	-100.0%	50	-100.0%	185	928	-80.1%
PETROLEUM PRODUCTS ASIA	E6M	18	20	-10.0%	0	0.0%	68	414	-83.6%
PETROLEUM PRODUCTS ASIA	MJN	1,530	1,335	14.6%	1,925	-20.5%	10,015	12,581	-20.4%
PETROLEUM PRODUCTS ASIA	MSB	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTRIGHT EURO	0B	60	14	328.6%	78	-23.1%	158	64	146.9%
PETRO OUTRIGHT EURO	0C	0	0	0.0%	0	0.0%	15	0	0.0%
PETRO OUTRIGHT EURO	0D	1,464	1,863	-21.4%	2,133	-31.4%	8,585	8,558	0.3%
PETRO OUTRIGHT EURO	0E	5	16	-68.8%	0	0.0%	56	165	-66.1%



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Energy Futures									
PETRO OUTRIGHT EURO	0F	227	573	-60.4%	439	-48.3%	2,344	3,736	-37.3%
PETRO OUTRIGHT EURO	1T	0	0	0.0%	0	0.0%	5	15	-66.7%
PETRO OUTRIGHT EURO	33	0	0	0.0%	0	0.0%	0	0	0.0%
PETRO OUTRIGHT EURO	5L	10	70	-85.7%	60	-83.3%	203	204	-0.5%
PETRO OUTRIGHT EURO	63	10	35	-71.4%	5	100.0%	15	142	-89.4%
PETRO OUTRIGHT EURO	6L	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTRIGHT EURO	7I	75	0	0.0%	125	-40.0%	594	462	28.6%
PETRO OUTRIGHT EURO	7R	51	296	-82.8%	99	-48.5%	1,081	1,906	-43.3%
PETRO OUTRIGHT EURO	88	0	10	-100.0%	0	0.0%	0	105	-100.0%
PETRO OUTRIGHT EURO	CBB	0	0	0.0%	0	0.0%	0	55	-100.0%
PETRO OUTRIGHT EURO	CGB	0	0	0.0%	0	0.0%	20	0	0.0%
PETRO OUTRIGHT EURO	CPB	288	16	1,700.0%	60	380.0%	1,640	2,999	-45.3%
PETRO OUTRIGHT EURO	EFF	6	0	0.0%	0	0.0%	116	101	14.9%
PETRO OUTRIGHT EURO	EFM	6	0	0.0%	3	100.0%	31	0	0.0%
PETRO OUTRIGHT EURO	ENS	36	0	0.0%	40	-10.0%	131	65	101.5%
PETRO OUTRIGHT EURO	ESB	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTRIGHT EURO	EWN	380	741	-48.7%	369	3.0%	3,619	4,182	-13.5%
PETRO OUTRIGHT EURO	FBD	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTRIGHT EURO	FLB	0	0	-	0	0.0%	6	0	-
PETRO OUTRIGHT EURO	GES	0	0	-	0	0.0%	0	0	-
PETRO OUTRIGHT EURO	H5G	0	0	-	60	-100.0%	60	0	-
PETRO OUTRIGHT EURO	MBB	0	0	0.0%	0	0.0%	0	161	-100.0%
PETRO OUTRIGHT EURO	MBN	216	1,128	-80.9%	570	-62.1%	2,062	7,719	-73.3%
PETRO OUTRIGHT EURO	MEF	352	0	-	396	-11.1%	2,171	0	-
PETRO OUTRIGHT EURO	R53	24	0	-	12	100.0%	48	0	-
PETRO OUTRIGHT EURO	R5M	183	0	-	256	-28.5%	443	0	-
PETRO OUTRIGHT EURO	R5O	10	0	-	6	66.7%	131	0	-
PETRO OUTRIGHT EURO	S5M	52	0	-	0	0.0%	104	0	-
PETRO OUTRIGHT EURO	SMU	0	0	0.0%	0	0.0%	125	328	-61.9%
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	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	-
PETRO OUTRIGHT NA	FCB	32	0	0.0%	32	0.0%	196	503	-61.0%
PETRO OUTRIGHT NA	FOM	0	0	0.0%	0	0.0%	0	0	0.0%

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Energy Futures									
PETRO OUTRIGHT NA	JE	60	0	0.0%	0	0.0%	60	69	-13.0%
PETRO OUTRIGHT NA	JET	2,880	1,750	64.6%	4,200	-31.4%	15,655	13,230	18.3%
PETRO OUTRIGHT NA	JTB	125	625	-80.0%	1,525	-91.8%	4,325	3,085	40.2%
PETRO OUTRIGHT NA	MBL	0	0	0.0%	0	0.0%	0	40	-100.0%
PETRO OUTRIGHT NA	MEN	236	922	-74.4%	155	52.3%	1,248	2,416	-48.3%
PETRO OUTRIGHT NA	MEO	2,176	3,820	-43.0%	2,234	-2.6%	15,664	23,942	-34.6%
PETRO OUTRIGHT NA	MFD	285	0	0.0%	0	0.0%	285	100	185.0%
PETRO OUTRIGHT NA	MMF	84	0	0.0%	163	-48.5%	607	55	1,003.6%
PETRO OUTRIGHT NA	NYT	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTRIGHT NA	XER	0	0	-	0	0.0%	0	0	-
PJM AD HUB 5MW REAL TIME	V3	23,700	0	0.0%	23,360	1.5%	117,180	28,032	318.0%
PJM AD HUB 5MW REAL TIME	Z9	0	0	0.0%	1,285	-100.0%	2,560	7,513	-65.9%
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%
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%	1,285	-100.0%	1,285	5,100	-74.8%
PJM NI HUB 5MW REAL TIME	B6	0	0	0.0%	23,360	-100.0%	23,360	0	0.0%
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	0	0.0%

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Energy Futures									
PJM PSEG DA PEAK	L6	0	0	0.0%	0	0.0%	0	0	0.0%
PJM WESTH DA OFF-PEAK	E4	0	0	0.0%	0	0.0%	0	78,410	-100.0%
PJM WESTHDA PEAK	J4	0	0	0.0%	0	0.0%	0	4,250	-100.0%
PJM WESTH RT OFF-PEAK	N9	23,700	23,200	2.2%	0	0.0%	47,100	294,000	-84.0%
PJM WESTH RT PEAK	L1	6,656	3,180	109.3%	19,941	-66.6%	46,576	39,349	18.4%
PLASTICS	PGP	435	522	-16.7%	760	-42.8%	4,560	2,454	85.8%
PREMIUM UNLD 10P FOB MED	3G	30	95	-68.4%	50	-40.0%	740	1,533	-51.7%
PREMIUM UNLEAD 10PPM FOB	8G	0	75	-100.0%	0	0.0%	18	324	-94.4%
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%	0	0.0%	30	64	-53.1%
PROPANE NON-LDH MB (OPIS) BALMO SWP	1S	1,482	525	182.3%	75	1,876.0%	9,731	3,181	205.9%
PROPANE NON-LDH MT. BEL (OPIS) SWP	1R	16,233	11,589	40.1%	15,918	2.0%	104,670	72,532	44.3%
RBOB CALENDAR SWAP	RL	5,671	7,611	-25.5%	9,901	-42.7%	40,086	29,861	34.2%
RBOB CRACK SPREAD	RM	1,520	1,015	49.8%	2,100	-27.6%	8,165	8,193	-0.3%
RBOB CRACK SPREAD BALMO S	1E	0	0	0.0%	25	-100.0%	25	0	0.0%
RBOB GASOLINE BALMO CLNDR	1D	1,117	1,005	11.1%	805	38.8%	6,223	7,793	-20.1%
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	825	-100.0%	0	0.0%	75	1,975	-96.2%
SAN JUAN BASIS SWAP	NJ	0	0	0.0%	0	0.0%	0	31	-100.0%
SAN JUAN PIPE SWAP	XX	0	0	0.0%	0	0.0%	0	360	-100.0%
SINGAPORE 180CST BALMO	BS	5	40	-87.5%	10	-50.0%	78	335	-76.7%
SINGAPORE 380CST BALMO	BT	26	215	-87.9%	26	0.0%	250	1,203	-79.2%
SINGAPORE 380CST FUEL OIL	SE	3,293	13,453	-75.5%	3,620	-9.0%	19,254	53,767	-64.2%
SINGAPORE FUEL 180CST CAL	UA	253	680	-62.8%	206	22.8%	1,780	5,842	-69.5%
SINGAPORE FUEL OIL SPREAD	SD	87	413	-78.9%	28	210.7%	360	5,311	-93.2%
SINGAPORE GASOIL	MAF	1,508	0	-	1,598	-5.6%	10,247	0	-
SINGAPORE GASOIL	MTB	61	21	190.5%	52	17.3%	304	379	-19.8%
SINGAPORE GASOIL	MTS	3,770	4,507	-16.4%	3,469	8.7%	21,740	29,285	-25.8%
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%	0	0	0.0%
SINGAPORE GASOIL CALENDAR	MGO	0	0	0.0%	0	0.0%	0	200	-100.0%
SINGAPORE GASOIL CALENDAR	MSG	105	100	5.0%	174	-39.7%	968	4,199	-76.9%
SINGAPORE GASOIL CALENDAR	SGG	0	0	0.0%	0	0.0%	0	325	-100.0%



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Energy Futures									
SINGAPORE GASOIL SWAP	SG	1,109	4,220	-73.7%	558	98.7%	6,588	26,703	-75.3%
SINGAPORE GASOIL VS ICE	GA	0	6,325	-100.0%	0	0.0%	4,340	93,060	-95.3%
SINGAPORE JET KERO BALMO	BX	0	50	-100.0%	0	0.0%	0	215	-100.0%
SINGAPORE JET KERO GASOIL	RK	0	2,325	-100.0%	0	0.0%	100	24,845	-99.6%
SINGAPORE JET KEROSENE SW	KS	880	1,595	-44.8%	400	120.0%	3,865	6,990	-44.7%
SINGAPORE JET KERO VS. GASOIL BALMO	Z0	0	0	0.0%	0	0.0%	0	25	-100.0%
SINGAPORE MOGAS 92 UNLEADED BALMO	1P	50	250	-80.0%	0	0.0%	1,425	2,563	-44.4%
SINGAPORE MOGAS 92 UNLEADED SWP	1N	4,892	17,956	-72.8%	4,532	7.9%	75,824	90,240	-16.0%
SINGAPORE NAPHTHA SWAP	SP	0	0	0.0%	0	0.0%	0	200	-100.0%
SING FUEL	MSD	0	15	-100.0%	0	0.0%	0	80	-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	314	0	0.0%	130	141.5%	1,424	548	159.9%
TC5 RAS TANURA TO YOKOHAM	TH	206	0	0.0%	225	-8.4%	1,951	240	712.9%
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	6,260	2,060	203.9%	6,975	-10.3%	28,221	4,970	467.8%
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%
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	50	-60.0%
UK NBP NAT GAS CAL MTH FUT	UKG	0	9,239	-100.0%	20	-100.0%	3,149	33,034	-90.5%
ULSD 10PPM CIF MED SWAP	Z6	0	0	0.0%	0	-	0	0	0.0%

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Commodity		VOLUME JUN 2019	VOLUME JUN 2018	% CHG	VOLUME MAY 2019	% CHG	VOLUME Y.T.D 2019	VOLUME Y.T.D 2018	% CHG
Energy Futures									
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	4,600	4,405	4.4%	4,475	2.8%	32,545	31,445	3.5%
UP DOWN GC ULSD VS NMX HO	LT	32,158	24,594	30.8%	38,337	-16.1%	173,994	195,740	-11.1%
WAHA BASIS	NW	0	0	0.0%	150	-100.0%	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	15	-100.0%
WTI-BRENT BULLET SWAP	BY	0	350	-100.0%	0	0.0%	864	6,650	-87.0%
WTI-BRENT CALENDAR SWAP	BK	38,949	20,630	88.8%	40,822	-4.6%	219,979	211,827	3.8%
WTI CALENDAR	CS	28,367	22,480	26.2%	40,368	-29.7%	260,717	205,006	27.2%
WTS (ARGUS) VS WTI SWAP	FF	4,090	7,997	-48.9%	13,779	-70.3%	30,922	48,257	-35.9%
WTS (ARGUS) VS WTI TRD MT	FH	175	588	-70.2%	780	-77.6%	4,933	1,950	153.0%
Energy Options									
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	690	2,765	-75.0%	2,100	-67.1%	3,030	4,305	-29.6%
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	1,500	55,164	-97.3%	1,050	42.9%	32,650	371,538	-91.2%
BRENT CRUDE OIL 6 M CSO	9L	0	0	0.0%	0	0.0%	0	1,000	-100.0%
BRENT OIL LAST DAY	BE	28,520	33,019	-13.6%	69,500	-59.0%	272,819	175,063	55.8%
BRENT OIL LAST DAY	BZO	100,602	151,596	-33.6%	157,557	-36.1%	629,611	744,205	-15.4%
BRENT OIL LAST DAY	OS	0	50	-100.0%	0	0.0%	0	1,090	-100.0%
COAL API2 INDEX	CLA	25	370	-93.2%	50	-50.0%	160	4,225	-96.2%
COAL API2 INDEX	CQA	0	875	-100.0%	0	0.0%	510	2,880	-82.3%
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	91,750	312,400	-70.6%	303,200	-69.7%	1,401,411	1,362,110	2.9%
CRUDE OIL APO	AO	47,657	30,612	55.7%	27,784	71.5%	309,041	326,023	-5.2%
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%

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Commodity		VOLUME JUN 2019	VOLUME JUN 2018	% CHG	VOLUME MAY 2019	% CHG	VOLUME Y.T.D 2019	VOLUME Y.T.D 2018	% CHG
Energy Options									
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	325	-100.0%	300	-100.0%	1,150	17,625	-93.5%
CRUDE OIL PHY	LC	11,482	2,260	408.1%	13,441	-14.6%	65,288	65,355	-0.1%
CRUDE OIL PHY	LO	3,289,771	3,341,229	-1.5%	3,621,234	-9.2%	16,293,768	22,194,424	-26.6%
CRUDE OIL PHY	LO1	11,897	7,455	59.6%	15,884	-25.1%	97,244	80,525	20.8%
CRUDE OIL PHY	LO2	9,050	12,913	-29.9%	14,128	-35.9%	94,865	91,858	3.3%
CRUDE OIL PHY	LO3	17,943	281	6,285.4%	10,404	72.5%	55,419	57,076	-2.9%
CRUDE OIL PHY	LO4	19,750	14,075	40.3%	20,723	-4.7%	101,958	94,574	7.8%
CRUDE OIL PHY	LO5	0	21,575	-100.0%	18,688	-100.0%	38,264	34,914	9.6%
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	9,778	8,883	10.1%	11,608	-15.8%	52,595	51,035	3.1%
ETHANOL SWAP	GVR	0	300	-100.0%	0	0.0%	780	2,073	-62.4%
EUROPEAN JET KEROSENE NWE (PLATTS) A	30	0	0	0.0%	0	-	0	0	0.0%
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	264	120	120.0%	72	266.7%	1,012	740	36.8%
HEATING OIL PHY	OH	38,241	27,096	41.1%	40,642	-5.9%	178,403	187,521	-4.9%
HENRY HUB FINANCIAL LAST	E7	2,701	2,912	-7.2%	9,252	-70.8%	41,923	20,771	101.8%
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%
LLS CRUDE OIL	YVO	0	0	0.0%	0	0.0%	0	0	0.0%
MCCLOSKEY ARA ARGS COAL	MTO	0	30	-100.0%	0	0.0%	130	255	-49.0%
MCCLOSKEY RCH BAY COAL	MFO	300	0	0.0%	100	200.0%	670	1,875	-64.3%
NATURAL GAS	G10	0	0	0.0%	0	-	0	0	0.0%
NATURAL GAS 1 M CSO FIN	G4	13,300	14,703	-9.5%	19,475	-31.7%	207,275	237,645	-12.8%
NATURAL GAS 2 M CSO FIN	G2	550	1,000	-45.0%	75	633.3%	2,375	1,000	137.5%
NATURAL GAS 3 M CSO FIN	G3	38,650	5,450	609.2%	15,100	156.0%	84,350	34,896	141.7%
NATURAL GAS 5 M CSO FIN	G5	850	0	0.0%	250	240.0%	1,100	2,550	-56.9%
NATURAL GAS 6 M CSO FIN	G6	1,250	2,000	-37.5%	4,100	-69.5%	33,725	67,650	-50.1%
NATURAL GAS OPTION ON CALENDAR STRP	6J	800	200	300.0%	600	33.3%	9,100	19,508	-53.4%
NATURAL GAS PHY	KD	4,340	23,660	-81.7%	1,088	298.9%	13,635	138,831	-90.2%
NATURAL GAS PHY	LN	1,502,464	1,100,939	36.5%	1,310,436	14.7%	8,491,943	10,960,330	-22.5%



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Energy Options									
NATURAL GAS PHY	ON	124,266	165,614	-25.0%	97,083	28.0%	742,688	1,070,831	-30.6%
NATURAL GAS WINTER STRIP	6I	0	0	-	1,300	-100.0%	1,300	0	-
N ROCKIES PIPE SWAP	ZR	546	224	143.8%	546	0.0%	2,118	960	120.6%
NY HARBOR HEAT OIL SWP	AT	3,457	1,549	123.2%	6,691	-48.3%	15,022	17,187	-12.6%
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	2,711	325	734.2%	20	13,455.0%	4,575	3,166	44.5%
PETROCHEMICALS	4J	0	0	0.0%	200	-100.0%	200	1,350	-85.2%
PETROCHEMICALS	4K	0	200	-100.0%	0	0.0%	160	200	-20.0%
PETROCHEMICALS	CPR	0	0	0.0%	40	-100.0%	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	120	0	0.0%	0	0.0%	120	0	0.0%
PJM WES HUB PEAK CAL MTH	6OA	380	60	533.3%	0	0.0%	540	310	74.2%
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	983	-100.0%	0	0.0%	836	6,322	-86.8%
RBOB 1MO CAL SPD OPTIONS	ZA	0	200	-100.0%	0	0.0%	150	700	-78.6%
RBOB CALENDAR SWAP	RA	24	0	0.0%	0	0.0%	261	965	-73.0%
RBOB CRACK	RX	0	0	-	0	0.0%	0	0	-
RBOB PHY	OB	17,353	14,398	20.5%	18,774	-7.6%	103,181	74,637	38.2%
RBOB PHY	RF	12	0	0.0%	496	-97.6%	1,024	125	719.2%
ROTTERDAM 3.5%FUEL OIL CL	Q6	0	0	0.0%	0	0.0%	0	0	0.0%
SAN JUAN PIPE SWAP	PJ	364	186	95.7%	910	-60.0%	1,274	1,422	-10.4%
SHORT TERM	C15	0	0	-	0	0.0%	0	0	-
SHORT TERM	U11	0	75	-100.0%	0	0.0%	250	1,026	-75.6%
SHORT TERM	U12	0	50	-100.0%	0	0.0%	700	585	19.7%
SHORT TERM	U13	150	0	0.0%	0	0.0%	150	100	50.0%
SHORT TERM	U14	0	75	-100.0%	0	0.0%	50	813	-93.8%
SHORT TERM	U15	0	500	-100.0%	0	0.0%	825	777	6.2%
SHORT TERM	U22	0	130	-100.0%	0	0.0%	1	1,191	-99.9%
SHORT TERM	U23	0	0	0.0%	17	-100.0%	17	580	-97.1%
SHORT TERM	U24	150	0	0.0%	0	0.0%	150	426	-64.8%
SHORT TERM	U25	0	102	-100.0%	0	0.0%	0	102	-100.0%
SHORT TERM	U26	0	0	0.0%	0	0.0%	0	300	-100.0%
SHORT TERM NATURAL GAS	U01	0	0	0.0%	0	0.0%	525	350	50.0%

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Energy Options									
SHORT TERM NATURAL GAS	U02	0	270	-100.0%	0	0.0%	0	1,445	-100.0%
SHORT TERM NATURAL GAS	U03	0	0	0.0%	404	-100.0%	404	755	-46.5%
SHORT TERM NATURAL GAS	U04	0	575	-100.0%	0	0.0%	600	950	-36.8%
SHORT TERM NATURAL GAS	U05	0	105	-100.0%	0	0.0%	200	810	-75.3%
SHORT TERM NATURAL GAS	U06	355	200	77.5%	0	0.0%	405	650	-37.7%
SHORT TERM NATURAL GAS	U07	0	1,051	-100.0%	0	0.0%	600	1,601	-62.5%
SHORT TERM NATURAL GAS	U08	0	0	0.0%	0	0.0%	500	1,375	-63.6%
SHORT TERM NATURAL GAS	U09	0	0	0.0%	0	0.0%	100	734	-86.4%
SHORT TERM NATURAL GAS	U10	0	0	0.0%	0	0.0%	0	700	-100.0%
SHORT TERM NATURAL GAS	U16	0	0	0.0%	0	0.0%	100	597	-83.2%
SHORT TERM NATURAL GAS	U17	0	0	0.0%	0	0.0%	0	2,280	-100.0%
SHORT TERM NATURAL GAS	U18	0	850	-100.0%	0	0.0%	25	1,372	-98.2%
SHORT TERM NATURAL GAS	U19	0	0	0.0%	0	0.0%	0	185	-100.0%
SHORT TERM NATURAL GAS	U20	300	300	0.0%	0	0.0%	300	300	0.0%
SHORT TERM NATURAL GAS	U21	0	150	-100.0%	0	0.0%	50	353	-85.8%
SHORT TERM NATURAL GAS	U27	0	0	0.0%	0	0.0%	0	400	-100.0%
SHORT TERM NATURAL GAS	U28	0	0	0.0%	0	0.0%	425	100	325.0%
SHORT TERM NATURAL GAS	U29	0	60	-100.0%	0	0.0%	0	460	-100.0%
SHORT TERM NATURAL GAS	U30	0	0	0.0%	200	-100.0%	200	100	100.0%
SHORT TERM NATURAL GAS	U31	0	0	0.0%	0	0.0%	850	25	3,300.0%
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	34,650	62,223	-44.3%	50,150	-30.9%	316,580	684,702	-53.8%
WTI CRUDE OIL 1 M CSO FI	7A	55,550	91,300	-39.2%	48,415	14.7%	365,265	495,050	-26.2%
Metals Futures									
COMEX GOLD	GC	7,308,583	5,738,950	27.4%	7,142,711	2.3%	36,515,515	44,347,121	-17.7%
NYMEX HOT ROLLED STEEL	HR	14,031	5,226	168.5%	28,415	-50.6%	111,623	55,949	99.5%
NYMEX PLATINUM	PL	593,552	652,863	-9.1%	414,824	43.1%	2,786,755	2,822,195	-1.3%
PALLADIUM	PA	74,368	93,661	-20.6%	129,839	-42.7%	668,549	730,624	-8.5%
URANIUM	UX	1,234	431	186.3%	1,175	5.0%	9,084	1,443	529.5%
COMEX SILVER	SI	2,651,220	2,486,341	6.6%	1,476,265	79.6%	10,776,143	12,998,931	-17.1%
COMEX E-Mini GOLD	QO	24,735	5,175	378.0%	14,787	67.3%	68,268	40,680	67.8%

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NYMEX/COMEX Exchange Volume Report - Monthly

Commodity	VOLUME JUN 2019	VOLUME JUN 2018	% CHG	VOLUME MAY 2019	% CHG	VOLUME Y.T.D 2019	VOLUME Y.T.D 2018	% CHG
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Metals Futures

COMEX E-Mini SILVER	QI	5,520	1,586	248.0%	5,823	-5.2%	22,023	7,443	195.9%
COMEX COPPER	HG	2,257,064	3,619,808	-37.6%	2,082,227	8.4%	12,788,426	17,546,072	-27.1%
COMEX MINY COPPER	QC	1,022	418	144.5%	435	134.9%	3,909	3,180	22.9%
ALUMINUM	A38	0	0	0.0%	0	0.0%	22	0	0.0%
ALUMINUM	AEP	360	960	-62.5%	840	-57.1%	9,065	10,800	-16.1%
ALUMINUM	ALA	0	300	-100.0%	120	-100.0%	240	4,000	-94.0%
ALUMINUM	ALI	0	0	0.0%	0	0.0%	0	0	0.0%
ALUMINUM	AUP	1,633	7,175	-77.2%	7,775	-79.0%	34,617	66,113	-47.6%
ALUMINUM	CUP	0	0	0.0%	0	0.0%	0	205	-100.0%
ALUMINUM	EDP	850	180	372.2%	1,140	-25.4%	11,014	8,657	27.2%
ALUMINUM	MJP	0	380	-100.0%	1,440	-100.0%	4,200	7,855	-46.5%
COPPER	HGS	95	516	-81.6%	2,002	-95.3%	5,744	10,639	-46.0%
E-MICRO GOLD	MGC	491,048	112,175	337.8%	174,099	182.1%	1,468,738	780,046	88.3%
FERROUS PRODUCTS	BUS	1,317	155	749.7%	923	42.7%	7,667	10,455	-26.7%
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	3,755	2,766	35.8%	5,679	-33.9%	38,789	22,529	72.2%
LNDN ZINC	ZNC	36	1,116	-96.8%	108	-66.7%	1,230	1,293	-4.9%
SILVER	SIL	18,580	9,728	91.0%	14,325	29.7%	95,506	44,542	114.4%

Metals Options

COMEX COPPER	HX	66,693	33,221	100.8%	50,998	30.8%	373,816	136,737	173.4%
COMEX GOLD	OG	2,102,415	959,733	119.1%	1,002,115	109.8%	6,849,595	5,775,079	18.6%
COMEX SILVER	SO	186,487	191,832	-2.8%	118,247	57.7%	800,652	924,189	-13.4%
COPPER	H1E	15	0	-	17	-11.8%	132	0	-
COPPER	H2E	49	7	600.0%	222	-77.9%	318	7	4,442.9%
COPPER	H3E	24	5	380.0%	28	-14.3%	79	5	1,480.0%
COPPER	H4E	52	25	108.0%	11	372.7%	95	36	163.9%
COPPER	H5E	0	0	-	10	-100.0%	20	0	-
GOLD	OG1	81,532	6,193	1,216.5%	17,757	359.2%	193,265	59,418	225.3%
GOLD	OG2	40,081	7,406	441.2%	37,842	5.9%	167,758	50,322	233.4%
GOLD	OG3	30,942	12,308	151.4%	18,026	71.7%	121,779	60,934	99.9%
GOLD	OG4	42,457	7,927	435.6%	21,158	100.7%	101,031	35,507	184.5%
GOLD	OG5	0	8,540	-100.0%	14,940	-100.0%	28,663	15,375	86.4%



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Metals Options									
	HRO	0	0	0.0%	0	0.0%	600	0	0.0%
	ICT	0	0	0.0%	0	0.0%	6,660	200	3,230.0%
	ICT	0	200	-100.0%	0	0.0%	3,600	1,280	181.3%
	PO	4,719	5,839	-19.2%	4,609	2.4%	23,918	21,610	10.7%
	PAO	1,712	2,593	-34.0%	1,158	47.8%	8,335	19,167	-56.5%
	SO1	3,134	466	572.5%	1,516	106.7%	8,184	1,206	578.6%
	SO2	1,569	545	187.9%	780	101.2%	5,703	1,212	370.5%
	SO3	994	802	23.9%	912	9.0%	6,433	1,767	264.1%
	SO4	1,094	502	117.9%	575	90.3%	3,225	976	230.4%
	SO5	0	1,048	-100.0%	562	-100.0%	1,867	1,181	58.1%
TOTAL FUTURES GROUP									
	Ag Products Futures	24	0	0.0%	6	300.0%	33	65	-49.2%
	Energy Futures	44,049,993	48,579,202	-9.3%	49,724,500	-11.4%	269,439,682	296,556,716	-9.1%
	Metals Futures	13,449,003	12,739,910	5.6%	11,504,952	16.9%	65,427,127	79,520,908	-17.7%
	TOTAL FUTURES	57,499,020	61,319,112	-6.2%	61,229,458	-6.1%	334,866,842	376,077,689	-11.0%
TOTAL OPTIONS GROUP									
	Energy Options	5,484,513	5,516,012	-0.6%	5,914,087	-7.3%	30,082,449	39,741,499	-24.3%
	Metals Options	2,563,969	1,239,192	106.9%	1,291,483	98.5%	8,705,728	7,106,208	22.5%
	TOTAL OPTIONS	8,048,482	6,755,204	19.1%	7,205,570	11.7%	38,788,177	46,847,707	-17.2%



NYMEX/COMEX Exchange Volume Report - Monthly

Commodity	VOLUME JUN 2019	VOLUME JUN 2018	% CHG	VOLUME MAY 2019	% CHG	VOLUME Y.T.D 2019	VOLUME Y.T.D 2018	% CHG
TOTAL COMBINED								
Ag Products	24	0	0.0%	6	300.0%	33	65	-49.2%
Energy	49,534,506	54,095,214	-8.4%	55,638,587	-11.0%	299,522,131	336,298,215	-10.9%
Metals	16,012,972	13,979,102	14.5%	12,796,435	25.1%	74,132,855	86,627,116	-14.4%
GRAND TOTAL	65,547,502	68,074,316	-3.7%	68,435,028	-4.2%	373,655,019	422,925,396	-11.6%