



## 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
<b>Ag Products Futures</b>									
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%
<b>Energy Futures</b>									
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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<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	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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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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<b>Energy Futures</b>									
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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<b>Energy Futures</b>									
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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<b>Energy Futures</b>									
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%
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%
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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<b>Energy Futures</b>									
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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<b>Energy Futures</b>									
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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<b>Energy Futures</b>									
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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<b>Energy Futures</b>									
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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<b>Energy Futures</b>									
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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<b>Energy Futures</b>									
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-LDHD MB (OPIS) BALMO SWP	1S	1,482	525	182.3%	75	1,876.0%	9,731	3,181	205.9%
PROPANE NON-LDHD 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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<b>Energy Futures</b>									
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
<b>Energy Futures</b>									
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%
<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	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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<b>Energy Options</b>									
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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<b>Energy Options</b>									
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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<b>Energy Options</b>									
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 CALENDAR	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%
<b>Metals Futures</b>									
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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<b>Metals Futures</b>									
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%
<b>Metals Options</b>									
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%

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



## NYMEX/COMEX Exchange Volume Report - Monthly

Commodity		VOLUME JUN 2019	VOLUME JUN 2018	% CHG	VOLUME MAY 2019	% CHG	VOLUME Y.T.D 2019	VOLUME Y.T.D 2018	% CHG
<b>Metals Options</b>									
HOT ROLLED COIL STEEL CALL OPTION	HRO	0	0	0.0%	0	0.0%	600	0	0.0%
IRON ORE 62 CHINA TSI CALL OPTION	ICT	0	0	0.0%	0	0.0%	6,660	200	3,230.0%
IRON ORE 62 CHINA TSI PUT OPTION	ICT	0	200	-100.0%	0	0.0%	3,600	1,280	181.3%
NYMEX PLATINUM	PO	4,719	5,839	-19.2%	4,609	2.4%	23,918	21,610	10.7%
PALLADIUM	PAO	1,712	2,593	-34.0%	1,158	47.8%	8,335	19,167	-56.5%
SILVER	SO1	3,134	466	572.5%	1,516	106.7%	8,184	1,206	578.6%
SILVER	SO2	1,569	545	187.9%	780	101.2%	5,703	1,212	370.5%
SILVER	SO3	994	802	23.9%	912	9.0%	6,433	1,767	264.1%
SILVER	SO4	1,094	502	117.9%	575	90.3%	3,225	976	230.4%
SILVER	SO5	0	1,048	-100.0%	562	-100.0%	1,867	1,181	58.1%
<b>TOTAL FUTURES GROUP</b>									
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%
<b>TOTAL FUTURES</b>		<b>57,499,020</b>	<b>61,319,112</b>	<b>-6.2%</b>	<b>61,229,458</b>	<b>-6.1%</b>	<b>334,866,842</b>	<b>376,077,689</b>	<b>-11.0%</b>
<b>TOTAL OPTIONS GROUP</b>									
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%
<b>TOTAL OPTIONS</b>		<b>8,048,482</b>	<b>6,755,204</b>	<b>19.1%</b>	<b>7,205,570</b>	<b>11.7%</b>	<b>38,788,177</b>	<b>46,847,707</b>	<b>-17.2%</b>



## 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
<b>TOTAL COMBINED</b>									
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%
<b>GRAND TOTAL</b>		<b>65,547,502</b>	<b>68,074,316</b>	<b>-3.7%</b>	<b>68,435,028</b>	<b>-4.2%</b>	<b>373,655,019</b>	<b>422,925,396</b>	<b>-11.6%</b>