



NYMEX/COMEX Exchange Volume Report - Monthly

Commodity		VOLUME MAY 2019	VOLUME MAY 2018	% CHG	VOLUME APR 2019	% CHG	VOLUME Y.T.D 2019	VOLUME Y.T.D 2018	% CHG
Ag Products Futures									
COCOA TAS	CJ	0	0	0.0%	0	0.0%	0	5	-100.0%
COFFEE	KT	0	0	0.0%	0	-	0	0	0.0%
COTTON	TT	6	0	0.0%	0	0.0%	9	2	350.0%
SUGAR 11	YO	0	0	0.0%	0	0.0%	0	58	-100.0%
Energy Futures									
CRUDE OIL PHY	CL	28,524,448	30,950,737	-7.8%	27,628,611	3.2%	128,640,740	139,218,856	-7.6%
CRUDE OIL	WS	0	4,000	-100.0%	1,064	-100.0%	16,694	8,339	100.2%
MINY WTI CRUDE OIL	QM	512,407	408,772	25.4%	299,535	71.1%	2,067,558	1,596,027	29.5%
BRENT OIL LAST DAY	BZ	3,157,794	2,152,389	46.7%	2,395,374	31.8%	10,609,441	9,007,111	17.8%
HEATING OIL PHY	HO	4,011,830	4,334,594	-7.4%	2,998,959	33.8%	16,864,457	20,485,556	-17.7%
HTG OIL	BH	0	0	0.0%	48	-100.0%	48	48	0.0%
MINY HTG OIL	QH	3	2	50.0%	4	-25.0%	17	15	13.3%
RBOB PHY	RB	4,833,496	4,569,079	5.8%	5,243,864	-7.8%	22,714,871	20,734,872	9.5%
MINY RBOB GAS	QU	6	3	100.0%	3	100.0%	30	15	100.0%
NATURAL GAS	HP	106,603	97,332	9.5%	106,111	0.5%	549,193	688,234	-20.2%
LTD NAT GAS	HH	280,360	333,019	-15.8%	290,539	-3.5%	1,584,087	1,830,147	-13.4%
MINY NATURAL GAS	QG	24,233	15,948	52.0%	20,761	16.7%	130,322	148,926	-12.5%
PJM MONTHLY	JM	0	0	0.0%	0	0.0%	0	0	0.0%
NATURAL GAS PHY	NG	7,049,809	8,241,509	-14.5%	6,944,001	1.5%	36,567,585	46,580,969	-21.5%
RBOB GAS	RT	0	1,010	-100.0%	60	-100.0%	60	14,338	-99.6%
3.5% FUEL OIL CID MED SWA	7D	63	55	14.5%	5	1,160.0%	73	452	-83.8%
3.5% FUEL OIL CIF BALMO S	8D	0	5	-100.0%	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	4,565	25,757	-82.3%	12,251	-62.7%	64,341	135,172	-52.4%
ARGUS PROPAN FAR EST INDE	7E	5,659	4,908	15.3%	6,738	-16.0%	31,859	32,911	-3.2%
ARGUS PROPAN(SAUDI ARAMCO	9N	2,869	2,238	28.2%	3,516	-18.4%	15,387	13,792	11.6%



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Energy Futures									
AUSTRIALIAN COKE COAL	ACT	0	20	-100.0%	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	0	0	0.0%	365	-100.0%	713	50	1,326.0%
BRENT CALENDAR SWAP	CY	11,430	13,046	-12.4%	2,138	434.6%	23,829	20,596	15.7%
BRENT CFD SWAP	6W	0	0	0.0%	0	0.0%	0	300	-100.0%
BRENT FINANCIAL FUTURES	BB	0	476	-100.0%	3,500	-100.0%	7,000	10,976	-36.2%
BRENT FINANCIAL FUTURES	MBC	22	0	-	0	0.0%	82	0	-
BRENT FINANCIAL FUTURES	MDB	0	80	-100.0%	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	121,567	105,619	15.1%	110,149	10.4%	556,440	542,581	2.6%
CHICAGO ULSD (PLATTS) SWA	4C	0	0	0.0%	0	-	0	0	0.0%
CHICAGO ULSD PL VS HO SPR	5C	1,096	170	544.7%	250	338.4%	3,177	1,322	140.3%
CHICAGO UNL GAS PL VS RBO	3C	0	0	0.0%	160	-100.0%	675	525	28.6%
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	524	1,372	-61.8%	0	0.0%	2,740	5,976	-54.1%
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	115	-100.0%	0	0.0%	0	300	-100.0%
COAL SWAP	SSI	0	0	0.0%	0	-	0	0	0.0%
COLUMB GULF MAINLINE NG B	5Z	0	0	0.0%	364	-100.0%	364	0	0.0%
COLUMBIA GULF ONSHORE	GL	0	0	0.0%	0	-	0	0	0.0%
CONWAY NATURAL GASOLINE (OPIS) SWAP	8L	124	575	-78.4%	140	-11.4%	1,108	1,123	-1.3%
CONWAY NORMAL BUTANE (OPIS) SWAP	8M	635	245	159.2%	310	104.8%	1,458	585	149.2%
CONWAY PROPANE 5 DECIMALS SWAP	8K	17,077	18,182	-6.1%	14,421	18.4%	73,872	80,758	-8.5%
CRUDE OIL	LPS	3,000	4,850	-38.1%	3,250	-7.7%	15,325	24,305	-36.9%
CRUDE OIL OUTRIGHTS	42	491	236	108.1%	522	-5.9%	2,595	1,142	127.2%
CRUDE OIL OUTRIGHTS	CC5	350	0	0.0%	540	-35.2%	1,700	0	0.0%

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Energy Futures									
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	360	0	0.0%	180	100.0%	2,390	5	47,700.0%
CRUDE OIL OUTRIGHTS	DBL	0	59	-100.0%	0	0.0%	0	99	-100.0%
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	69,098	82,981	-16.7%	69,606	-0.7%	307,657	276,645	11.2%
CRUDE OIL OUTRIGHTS	LSW	120	0	0.0%	773	-84.5%	2,958	290	920.0%
CRUDE OIL OUTRIGHTS	SSW	0	0	0.0%	0	0.0%	0	0	0.0%
CRUDE OIL OUTRIGHTS	UMD	0	100	-100.0%	0	0.0%	0	4,800	-100.0%
CRUDE OIL OUTRIGHTS	UNS	0	1,500	-100.0%	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	3,202	6,840	-53.2%	2,975	7.6%	27,229	48,901	-44.3%
CRUDE OIL PHY	CLL	0	0	0.0%	0	0.0%	0	0	0.0%
CRUDE OIL PHY	HCL	25,584	0	-	22,576	13.3%	117,706	0	-
CRUDE OIL SPRDS	38	0	900	-100.0%	0	0.0%	0	2,055	-100.0%
CRUDE OIL SPRDS	HIL	720	0	-	0	-	720	0	-
CRUDE OIL SPRDS	WTT	29,627	54,363	-45.5%	27,137	9.2%	113,475	275,737	-58.8%
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	100	0	0.0%	300	-66.7%	1,000	2,660	-62.4%
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	126	-100.0%	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	105	2,737	-96.2%	470	-77.7%	15,873	11,681	35.9%
DUTCH TTF NATURAL GAS CAL MONTH FUT	TTF	6,444	2,176	196.1%	3,888	65.7%	37,660	5,596	573.0%
DY EURO 3.5% FUEL OI RDA	FOR	0	0	0.0%	0	-	0	0	0.0%
EASTERN RAIL DELIVERY CSX	QX	0	35	-100.0%	0	0.0%	0	185	-100.0%
EAST/WEST FUEL OIL SPREAD	EW	0	0	0.0%	0	0.0%	0	157	-100.0%
EIA FLAT TAX ONHWAY DIESE	A5	500	211	137.0%	39	1,182.1%	1,567	877	78.7%
ELEC ERCOT DLY OFF PK	I4	0	0	0.0%	0	0.0%	0	0	0.0%
ELEC ERCOT DLY PEAK	I3	0	0	0.0%	0	0.0%	0	0	0.0%
ELEC ERCOT DLY PEAK	I7	0	0	0.0%	0	0.0%	0	0	0.0%
ELEC ERCOT OFF PEAK	I2	0	0	0.0%	0	0.0%	0	19,600	-100.0%
ELEC FINSETTLED	47	0	0	0.0%	0	0.0%	0	0	0.0%
ELEC FINSETTLED	49	0	0	0.0%	0	-	0	0	0.0%
ELEC MISO PEAK	4L	0	0	0.0%	0	0.0%	0	0	0.0%
ELEC MISO PEAK	55	0	0	0.0%	0	0.0%	0	0	0.0%
ELEC NYISO OFF-PEAK	4M	0	0	0.0%	0	0.0%	0	0	0.0%
ELEC NYISO OFF-PEAK	58	0	0	0.0%	0	0.0%	0	0	0.0%
ELECTRICITY ERCOT PEAK	ERE	0	0	0.0%	0	-	0	0	0.0%
ELECTRICITY OFF PEAK	46	0	0	0.0%	0	0.0%	0	0	0.0%
ELECTRICITY OFF PEAK	4P	0	0	-	0	0.0%	0	0	-
ELECTRICITY OFF PEAK	50	0	0	0.0%	0	-	0	0	0.0%
ELEC WEST POWER OFF-PEAK	MDA	0	0	0.0%	0	-	0	0	0.0%
ELEC WEST POWER PEAK	MDC	0	0	0.0%	0	-	0	0	0.0%
ERCOT DAILY 5MW PEAK	ERW	0	0	0.0%	0	-	0	0	0.0%
ERCOT HOUSTON Z MCPE 5MW PEAK SWAP	I1	0	0	0.0%	0	0.0%	0	1,510	-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	4,610	-100.0%
ETHANOL	MTH	0	0	-	30	-100.0%	40	0	-
ETHANOL	Z1B	0	0	-	0	0.0%	0	0	-
ETHANOL SWAP	MT2	155	10	1,450.0%	155	0.0%	520	40	1,200.0%
ETHANOL T2 FOB ROTT INCL DUTY SWAP	Z1	2,829	3,153	-10.3%	3,129	-9.6%	19,392	15,684	23.6%
EURO 1% FUEL OIL NEW BALM	KX	3	15	-80.0%	0	0.0%	3	20	-85.0%
EURO 3.5% FUEL OIL RDAM B	KR	40	885	-95.5%	28	42.9%	213	3,315	-93.6%

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Energy Futures									
EURO 3.5% FUEL OIL SPREAD	FK	35	80	-56.3%	40	-12.5%	120	562	-78.6%
EURO-DENOMINATED PETRO PROD	NCP	0	0	0.0%	0	0.0%	0	0	0.0%
EURO GASOIL 10PPM VS ICE	ET	0	10	-100.0%	0	0.0%	0	365	-100.0%
EUROPE 1% FUEL OIL NWE CA	UF	341	15	2,173.3%	9	3,688.9%	444	318	39.6%
EUROPE 1% FUEL OIL RDAM C	UH	0	3	-100.0%	0	0.0%	0	3	-100.0%
EUROPE 3.5% FUEL OIL MED	UI	62	61	1.6%	13	376.9%	348	671	-48.1%
EUROPE 3.5% FUEL OIL RDAM	UV	759	14,507	-94.8%	1,198	-36.6%	6,289	47,201	-86.7%
EUROPEAN GASOIL (ICE)	7F	48	786	-93.9%	0	0.0%	476	2,448	-80.6%
EUROPEAN NAPHTHA BALMO	KZ	110	214	-48.6%	128	-14.1%	995	1,313	-24.2%
EUROPEAN NAPHTHA CRACK SPR	EN	3,886	8,923	-56.4%	4,807	-19.2%	25,800	46,268	-44.2%
EUROPE DATED BRENT SWAP	UB	260	0	0.0%	50	420.0%	1,058	0	0.0%
EUROPE JET KERO NWE CALSW	UJ	0	0	0.0%	5	-100.0%	5	15	-66.7%
EUROPE NAPHTHA CALSWAP	UN	2,135	2,522	-15.3%	2,548	-16.2%	11,956	16,182	-26.1%
EURO PROPANE CIF ARA SWA	PS	1,687	1,553	8.6%	2,207	-23.6%	10,215	9,942	2.7%
FLORIDA GAS ZONE3 BASIS S	FP	0	0	0.0%	0	-	0	0	0.0%
FREIGHT MARKETS	FLP	187	74	152.7%	55	240.0%	672	566	18.7%
FREIGHT MARKETS	FRC	150	350	-57.1%	80	87.5%	600	535	12.1%
FREIGHT MARKETS	FRS	0	0	0.0%	0	0.0%	0	0	0.0%
FREIGHT MARKETS	T2D	580	300	93.3%	335	73.1%	2,790	1,328	110.1%
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	2,974	5,210	-42.9%	1,950	52.5%	8,854	23,724	-62.7%
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%	0	154	-100.0%
FUEL OIL (PLATS) CAR CN	1X	0	0	0.0%	0	0.0%	0	72	-100.0%
FUELOIL SWAP:CARGOES VS.B	FS	382	196	94.9%	85	349.4%	1,196	1,421	-15.8%
GAS EURO-BOB OXY NWE BARGES	7H	4,720	10,462	-54.9%	7,018	-32.7%	35,507	39,751	-10.7%
GAS EURO-BOB OXY NWE BARGES CRK	7K	8,759	17,159	-49.0%	10,602	-17.4%	50,428	110,270	-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	5	0	0.0%	5	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%	15	5	200.0%
GASOIL 0.1 ROTTERDAM BARG	VL	30	610	-95.1%	49	-38.8%	103	975	-89.4%
GASOIL 10P CRG CIF NW VS	3V	0	0	0.0%	0	-	0	0	0.0%

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GASOIL 10PPM VS ICE SWAP	TP	15	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	12	24	-50.0%	0	0.0%	66	36	83.3%
GASOIL CRACK SPREAD CALEN	GZ	300	4,146	-92.8%	0	0.0%	762	28,158	-97.3%
GASOIL MINI CALENDAR SWAP	QA	165	131	26.0%	248	-33.5%	1,005	667	50.7%
GERMAN POWER BASELOAD CAL MONTH FU	DEB	2,986	0	0.0%	2,502	19.3%	11,425	2,076	450.3%
GROUP THREE ULSD (PLATTS)	A7	0	40	-100.0%	0	0.0%	0	155	-100.0%
GROUP THREE UNLEAD GAS (P	A9	0	425	-100.0%	0	0.0%	0	425	-100.0%
GRP THREE ULSD(PLT)VS HEA	A6	7,091	2,845	149.2%	1,715	313.5%	17,446	19,139	-8.8%
GRP THREE UNL GS (PLT) VS	A8	2,469	1,724	43.2%	3,809	-35.2%	16,907	10,662	58.6%
GULF COAST 3% FUEL OIL BA	VZ	385	2,174	-82.3%	685	-43.8%	3,740	7,670	-51.2%
GULF COAST JET FUEL CLNDR	GE	0	48	-100.0%	0	0.0%	267	681	-60.8%
GULF COAST JET VS NYM 2 H	ME	32,243	28,339	13.8%	19,945	61.7%	108,034	216,472	-50.1%
GULF COAST NO.6 FUEL OIL	MF	23,903	74,617	-68.0%	24,315	-1.7%	128,223	315,653	-59.4%
GULF COAST NO.6 FUEL OIL	MG	0	2,520	-100.0%	110	-100.0%	1,028	11,003	-90.7%
GULF COAST ULSD CALENDAR	LY	536	239	124.3%	164	226.8%	1,813	993	82.6%
GULF COAST ULSD CRACK SPR	GY	0	0	0.0%	0	0.0%	0	1,295	-100.0%
HEATING OIL BALMO CLNDR S	1G	0	0	0.0%	35	-100.0%	45	56	-19.6%
HEATING OIL CRCK SPRD BAL	1H	18	0	-	0	-	18	0	-
HEATING OIL PHY	HOL	0	0	0.0%	0	0.0%	0	0	0.0%
HENRY HUB BASIS SWAP	HB	4,800	0	0.0%	4,588	4.6%	9,388	6,192	51.6%
HENRY HUB FINANCIAL LAST	NBP	0	4,377	-100.0%	0	0.0%	0	9,667	-100.0%
HENRY HUB FINANCIAL LAST	TTE	0	69	-100.0%	0	0.0%	0	690	-100.0%
HENRY HUB INDEX SWAP FUTU	IN	4,800	0	0.0%	4,588	4.6%	9,388	6,192	51.6%
HENRY HUB SWAP	NN	110,794	212,969	-48.0%	116,924	-5.2%	607,036	859,411	-29.4%
HOUSTON SHIP CHANNEL BASI	NH	0	0	0.0%	736	-100.0%	736	0	0.0%
HUSTN SHIP CHNL PIPE SWP	XJ	0	0	0.0%	0	-	0	0	0.0%
ICE BRENT DUBAI SWAP	DB	6,508	15,321	-57.5%	4,325	50.5%	25,958	58,338	-55.5%
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	370	175	111.4%	172	115.1%	1,975	410	381.7%
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	81	-100.0%	169	-100.0%	169	1,689	-90.0%
JAPAN C&F NAPHTHA SWAP	JA	1,127	2,711	-58.4%	1,621	-30.5%	7,100	10,628	-33.2%
JAPAN NAPHTHA BALMO SWAP	E6	0	53	-100.0%	5	-100.0%	276	193	43.0%
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	18	-100.0%	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	6,855	3,830	79.0%	4,830	41.9%	21,334	34,074	-37.4%
JKM LNG Futures	JKM	2,880	525	448.6%	792	263.6%	8,976	3,970	126.1%
LA CARB DIESEL (OPIS)	LX	0	0	0.0%	0	-	0	0	0.0%
LA CARB DIESEL (OPIS) SWA	KL	10	450	-97.8%	0	0.0%	295	1,450	-79.7%
LA CARBOB GASOLINE(OPIS)S	JL	325	650	-50.0%	100	225.0%	2,000	3,925	-49.0%
LA JET FUEL VS NYM NO 2 H	MQ	0	0	0.0%	0	-	0	0	0.0%
LA JET (OPIS) SWAP	JS	875	2,345	-62.7%	1,720	-49.1%	6,370	11,880	-46.4%
LLS (ARGUS) CALENDAR SWAP	XA	0	0	-	0	0.0%	0	0	-
LLS (ARGUS) VS WTI SWAP	WJ	830	17,273	-95.2%	4,681	-82.3%	14,699	36,495	-59.7%
LOS ANGELES CARB GASOLINE	MH	0	0	-	0	0.0%	0	0	-
MARS (ARGUS) VS WTI SWAP	YX	1,800	2,500	-28.0%	560	221.4%	9,765	17,045	-42.7%
MARS (ARGUS) VS WTI TRD M	YV	14,500	27,575	-47.4%	21,792	-33.5%	100,635	142,211	-29.2%
MARS BLEND CRUDE OIL	MB	0	600	-100.0%	0	0.0%	0	2,119	-100.0%
MCCLOSKEY ARA ARGS COAL	MTF	28,521	21,652	31.7%	26,045	9.5%	139,711	128,392	8.8%
MCCLOSKEY RCH BAY COAL	MFF	1,503	3,414	-56.0%	2,327	-35.4%	12,274	17,434	-29.6%
MGF FUT	MGF	0	0	0.0%	0	0.0%	0	130	-100.0%
MGN1 SWAP FUT	MGN	60	80	-25.0%	0	0.0%	230	463	-50.3%
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	304	314	-3.2%	67	353.7%	1,007	1,703	-40.9%
MINI RBOB V. EBOBARG NWE BRGS BALMO	MXR	170	310	-45.2%	1,174	-85.5%	2,940	1,363	115.7%
MINI RBOB V. EBOB(ARGUS) NWE BRGS	MXB	4,067	1,598	154.5%	2,703	50.5%	12,459	7,815	59.4%
MJC FUT	MJC	40	120	-66.7%	0	0.0%	150	1,090	-86.2%
MNC FUT	MNC	4,137	4,336	-4.6%	4,109	0.7%	21,497	18,823	14.2%
MONT BELVIEU ETHANE 5 DECIMAL	C0	10,108	17,247	-41.4%	14,964	-32.5%	65,900	78,636	-16.2%

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Energy Futures									
MONT BELVIEU ETHANE OPIS BALMO	8C	95	125	-24.0%	149	-36.2%	839	780	7.6%
MONT BELVIEU LDH PROPANE 5 DECIMAL	B0	138,967	127,629	8.9%	172,739	-19.6%	699,447	664,910	5.2%
MONT BELVIEU LDH PROPANE OPIS BALMO	8O	3,998	2,057	94.4%	1,126	255.1%	16,898	16,101	5.0%
MONT BELVIEU NATURAL GASOLINE 5 DEC	7Q	8,244	8,359	-1.4%	8,227	0.2%	40,874	47,043	-13.1%
MONT BELVIEU NATURAL GASOLINE BALMO	R0	405	356	13.8%	310	30.6%	2,924	2,129	37.3%
MONT BELVIEU NORMAL BUTANE 5 DECIMAL	D0	57,721	36,322	58.9%	44,583	29.5%	207,496	153,842	34.9%
MONT BELVIEU NORMAL BUTANE BALMO	8J	1,839	681	170.0%	1,247	47.5%	7,620	4,500	69.3%
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	36,993	51,919	-28.7%	31,025	19.2%	147,870	213,609	-30.8%
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	8,256	-100.0%	0	0.0%	16,560	70,176	-76.4%
NEPOOL INTR HUB 5MW D AH	U6	0	447	-100.0%	0	0.0%	0	3,862	-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	855	1,220	-29.9%	305	180.3%	3,447	8,681	-60.3%
NEW YORK HUB ZONE G PEAK	GN	0	0	0.0%	0	0.0%	0	0	0.0%
NEW YORK HUB ZONE J PEAK	JN	0	0	0.0%	0	0.0%	0	0	0.0%
NGPL MID-CONTINENT	NL	0	0	0.0%	0	0.0%	1,240	400	210.0%
NGPL TEX/OK	PD	0	0	0.0%	2,576	-100.0%	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	100	383	-73.9%	0	0.0%	675	1,918	-64.8%
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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Energy Futures									
NY1% VS GC SPREAD SWAP	VR	710	475	49.5%	150	373.3%	2,475	7,576	-67.3%
NY 2.2% FUEL OIL (PLATTS	Y3	0	0	0.0%	0	-	0	0	0.0%
NY 3.0% FUEL OIL (PLATTS	H1	250	25	900.0%	75	233.3%	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	6,446	1,611	300.1%	490	1,215.5%	12,624	7,556	67.1%
NY HARBOR LOW SULPUR GAS 1000MBBL	NLS	0	175	-100.0%	75	-100.0%	390	2,650	-85.3%
NY HARBOR RESIDUAL FUEL 1	MM	597	1,687	-64.6%	1,083	-44.9%	4,556	6,223	-26.8%
NY HARBOR RESIDUAL FUEL C	ML	0	0	-	0	0.0%	0	0	-
NYH NO 2 CRACK SPREAD CAL	HK	260	1,155	-77.5%	480	-45.8%	1,605	6,332	-74.7%
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	20	-100.0%	0	0.0%	240	164	46.3%
NYISO CAPACITY	NNC	0	101	-100.0%	0	0.0%	0	407	-100.0%
NYISO CAPACITY	NRS	0	89	-100.0%	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	32,704	158,984	-79.4%	8,160	300.8%	46,384	551,334	-91.6%
NYISO ZONE G 5MW D AH PK	T3	1,799	11,264	-84.0%	0	0.0%	1,799	16,774	-89.3%
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	74	134	-44.8%	750	-90.1%	1,241	134	826.1%
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	100	0	0.0%	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	179	209	-14.4%	179	0.0%	886	861	2.9%
PETROCHEMICALS	32	70	183	-61.7%	73	-4.1%	540	1,033	-47.7%
PETROCHEMICALS	3NA	0	0	-	16	-100.0%	33	0	-
PETROCHEMICALS	51	12	0	0.0%	5	140.0%	17	23	-26.1%
PETROCHEMICALS	8I	239	1,336	-82.1%	932	-74.4%	2,952	4,895	-39.7%
PETROCHEMICALS	91	580	266	118.0%	295	96.6%	2,465	2,540	-3.0%
PETROCHEMICALS	HPE	0	0	0.0%	0	-	0	0	0.0%
PETROCHEMICALS	MAA	20	50	-60.0%	50	-60.0%	100	50	100.0%
PETROCHEMICALS	MAC	0	0	0.0%	0	-	0	0	0.0%
PETROCHEMICALS	MAE	290	210	38.1%	150	93.3%	1,114	980	13.7%
PETROCHEMICALS	MAS	313	85	268.2%	80	291.3%	888	535	66.0%
PETROCHEMICALS	MBE	770	750	2.7%	335	129.9%	1,885	4,300	-56.2%
PETROCHEMICALS	MNB	719	2,704	-73.4%	1,181	-39.1%	4,896	11,481	-57.4%
PETROCHEMICALS	MPS	154	115	33.9%	95	62.1%	779	460	69.3%
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	0.0%
PETRO CRCKS & SPRDS ASIA	STR	0	0	0.0%	0	0.0%	0	100	-100.0%
PETRO CRCKS & SPRDS ASIA	STS	56	0	0.0%	102	-45.1%	186	409	-54.5%
PETRO CRCKS & SPRDS NA	CRB	6,575	560	1,074.1%	10,075	-34.7%	35,390	1,605	2,105.0%
PETRO CRCKS & SPRDS NA	EXR	2,553	3,507	-27.2%	3,240	-21.2%	15,775	14,974	5.3%
PETRO CRCKS & SPRDS NA	FOC	950	25	3,700.0%	50	1,800.0%	2,370	4,525	-47.6%
PETRO CRCKS & SPRDS NA	GBB	350	2,975	-88.2%	220	59.1%	3,370	5,820	-42.1%
PETRO CRCKS & SPRDS NA	GCC	0	340	-100.0%	0	0.0%	0	1,290	-100.0%
PETRO CRCKS & SPRDS NA	GCI	1,225	1,529	-19.9%	2,427	-49.5%	7,138	7,422	-3.8%
PETRO CRCKS & SPRDS NA	GCM	0	21	-100.0%	0	0.0%	0	142	-100.0%
PETRO CRCKS & SPRDS NA	GCU	2,729	16,281	-83.2%	2,253	21.1%	17,266	66,723	-74.1%
PETRO CRCKS & SPRDS NA	GFC	0	25	-100.0%	0	0.0%	100	25	300.0%
PETRO CRCKS & SPRDS NA	HOB	510	390	30.8%	3,480	-85.3%	4,950	6,176	-19.9%
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	7,838	10,074	-22.2%	10,220	-23.3%	48,161	28,305	70.2%
PETRO CRCKS & SPRDS NA	RVG	13,850	23,359	-40.7%	15,655	-11.5%	75,903	92,460	-17.9%

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Commodity		VOLUME MAY 2019	VOLUME MAY 2018	% CHG	VOLUME APR 2019	% CHG	VOLUME Y.T.D 2019	VOLUME Y.T.D 2018	% CHG
Energy Futures									
PETRO CRCKS & SPRDS NA	SF3	42	33	27.3%	130	-67.7%	523	267	95.9%
PETRO CRK&SPRD EURO	1NB	755	1,420	-46.8%	2,027	-62.8%	8,319	9,959	-16.5%
PETRO CRK&SPRD EURO	1ND	0	0	0.0%	0	0.0%	0	100	-100.0%
PETRO CRK&SPRD EURO	43	50	161	-68.9%	75	-33.3%	125	1,979	-93.7%
PETRO CRK&SPRD EURO	BFR	0	0	0.0%	0	0.0%	60	0	0.0%
PETRO CRK&SPRD EURO	BOB	407	2,557	-84.1%	526	-22.6%	2,586	10,344	-75.0%
PETRO CRK&SPRD EURO	EGB	0	0	0.0%	0	-	0	0	0.0%
PETRO CRK&SPRD EURO	EGN	0	0	0.0%	0	-	0	0	0.0%
PETRO CRK&SPRD EURO	EOB	0	66	-100.0%	0	0.0%	15	174	-91.4%
PETRO CRK&SPRD EURO	EPN	506	1,032	-51.0%	615	-17.7%	2,998	5,202	-42.4%
PETRO CRK&SPRD EURO	EVC	270	3,646	-92.6%	303	-10.9%	2,186	11,472	-80.9%
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	155	-100.0%	0	0.0%	282	530	-46.8%
PETRO CRK&SPRD EURO	GOC	0	0	0.0%	0	0.0%	0	84	-100.0%
PETRO CRK&SPRD EURO	MGB	30	0	0.0%	30	0.0%	120	80	50.0%
PETRO CRK&SPRD EURO	MUD	0	10	-100.0%	0	0.0%	10	133	-92.5%
PETRO CRK&SPRD EURO	NBB	0	6	-100.0%	21	-100.0%	58	102	-43.1%
PETRO CRK&SPRD EURO	NOB	282	1,799	-84.3%	462	-39.0%	2,681	8,872	-69.8%
PETRO CRK&SPRD EURO	SFB	0	0	0.0%	21	-100.0%	51	30	70.0%
PETROLEUM PRODUCTS	1NM	240	0	-	123	95.1%	433	0	-
PETROLEUM PRODUCTS	EWB	0	0	0.0%	0	-	0	0	0.0%
PETROLEUM PRODUCTS	EWG	3,200	2,486	28.7%	3,292	-2.8%	16,361	24,685	-33.7%
PETROLEUM PRODUCTS	JCC	20	0	-	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	50	250	-80.0%	0	0.0%	185	853	-78.3%
PETROLEUM PRODUCTS ASIA	E6M	0	20	-100.0%	0	0.0%	50	394	-87.3%
PETROLEUM PRODUCTS ASIA	MJN	1,925	1,764	9.1%	1,392	38.3%	8,485	11,246	-24.6%
PETROLEUM PRODUCTS ASIA	MSB	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTRIGHT EURO	0B	78	0	0.0%	20	290.0%	98	50	96.0%
PETRO OUTRIGHT EURO	0C	0	0	0.0%	10	-100.0%	15	0	0.0%
PETRO OUTRIGHT EURO	0D	2,133	1,862	14.6%	1,645	29.7%	7,121	6,695	6.4%
PETRO OUTRIGHT EURO	0E	0	30	-100.0%	20	-100.0%	51	149	-65.8%

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Energy Futures									
PETRO OUTFRIGHT EURO	0F	439	728	-39.7%	450	-2.4%	2,117	3,163	-33.1%
PETRO OUTFRIGHT EURO	1T	0	0	0.0%	5	-100.0%	5	15	-66.7%
PETRO OUTFRIGHT EURO	33	0	0	0.0%	0	0.0%	0	0	0.0%
PETRO OUTFRIGHT EURO	5L	60	45	33.3%	10	500.0%	193	134	44.0%
PETRO OUTFRIGHT EURO	63	5	0	0.0%	0	0.0%	5	107	-95.3%
PETRO OUTFRIGHT EURO	6L	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTFRIGHT EURO	7I	125	33	278.8%	42	197.6%	519	462	12.3%
PETRO OUTFRIGHT EURO	7R	99	380	-73.9%	114	-13.2%	1,030	1,610	-36.0%
PETRO OUTFRIGHT EURO	88	0	0	0.0%	0	0.0%	0	95	-100.0%
PETRO OUTFRIGHT EURO	CBB	0	0	0.0%	0	0.0%	0	55	-100.0%
PETRO OUTFRIGHT EURO	CGB	0	0	0.0%	0	0.0%	20	0	0.0%
PETRO OUTFRIGHT EURO	CPB	60	496	-87.9%	67	-10.4%	1,352	2,983	-54.7%
PETRO OUTFRIGHT EURO	EFF	0	8	-100.0%	5	-100.0%	110	101	8.9%
PETRO OUTFRIGHT EURO	EFM	3	0	0.0%	0	0.0%	25	0	0.0%
PETRO OUTFRIGHT EURO	ENS	40	10	300.0%	45	-11.1%	95	65	46.2%
PETRO OUTFRIGHT EURO	ESB	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTFRIGHT EURO	EWN	369	619	-40.4%	373	-1.1%	3,239	3,441	-5.9%
PETRO OUTFRIGHT EURO	FBD	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTFRIGHT EURO	FLB	0	0	-	0	0.0%	6	0	-
PETRO OUTFRIGHT EURO	GES	0	0	-	0	0.0%	0	0	-
PETRO OUTFRIGHT EURO	H5G	60	0	-	0	-	60	0	-
PETRO OUTFRIGHT EURO	MBB	0	0	0.0%	0	0.0%	0	161	-100.0%
PETRO OUTFRIGHT EURO	MBN	570	1,092	-47.8%	420	35.7%	1,846	6,591	-72.0%
PETRO OUTFRIGHT EURO	MEF	396	0	-	453	-12.6%	1,819	0	-
PETRO OUTFRIGHT EURO	R53	12	0	-	0	0.0%	24	0	-
PETRO OUTFRIGHT EURO	R5M	256	0	-	4	6,300.0%	260	0	-
PETRO OUTFRIGHT EURO	R5O	6	0	-	85	-92.9%	121	0	-
PETRO OUTFRIGHT EURO	S5M	0	0	-	0	0.0%	52	0	-
PETRO OUTFRIGHT EURO	SMU	0	0	0.0%	0	0.0%	125	328	-61.9%
PETRO OUTFRIGHT EURO	T0	0	9	-100.0%	0	0.0%	0	9	-100.0%
PETRO OUTFRIGHT EURO	T2B	0	0	-	0	0.0%	15	0	-
PETRO OUTFRIGHT EURO	ULB	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTFRIGHT EURO	V0	0	0	0.0%	0	0.0%	0	980	-100.0%
PETRO OUTFRIGHT EURO	X0	0	0	-	0	0.0%	0	0	-
PETRO OUTFRIGHT NA	FCB	32	254	-87.4%	132	-75.8%	164	503	-67.4%
PETRO OUTFRIGHT NA	FOM	0	0	0.0%	0	0.0%	0	0	0.0%

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Energy Futures									
PETRO OUTRIGHT NA	JE	0	0	0.0%	0	0.0%	0	69	-100.0%
PETRO OUTRIGHT NA	JET	4,200	1,800	133.3%	2,100	100.0%	12,775	11,480	11.3%
PETRO OUTRIGHT NA	JTB	1,525	0	0.0%	550	177.3%	4,200	2,460	70.7%
PETRO OUTRIGHT NA	MBL	0	30	-100.0%	0	0.0%	0	40	-100.0%
PETRO OUTRIGHT NA	MEN	155	264	-41.3%	185	-16.2%	1,012	1,494	-32.3%
PETRO OUTRIGHT NA	MEO	2,234	4,709	-52.6%	2,682	-16.7%	13,488	20,122	-33.0%
PETRO OUTRIGHT NA	MFD	0	70	-100.0%	0	0.0%	0	100	-100.0%
PETRO OUTRIGHT NA	MMF	163	0	0.0%	134	21.6%	523	55	850.9%
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	23,360	0	0.0%	0	0.0%	93,480	28,032	233.5%
PJM AD HUB 5MW REAL TIME	Z9	1,285	0	0.0%	0	0.0%	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	1,285	0	0.0%	0	0.0%	1,285	5,100	-74.8%
PJM NI HUB 5MW REAL TIME	B6	23,360	0	0.0%	0	0.0%	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	0	97,720	-100.0%	0	0.0%	23,400	270,800	-91.4%
PJM WESTH RT PEAK	L1	19,941	1,715	1,062.7%	4,296	364.2%	39,920	36,169	10.4%
PLASTICS	PGP	760	410	85.4%	460	65.2%	4,125	1,932	113.5%
PREMIUM UNLD 10P FOB MED	3G	50	112	-55.4%	118	-57.6%	710	1,438	-50.6%
PREMIUM UNLEAD 10PPM FOB	8G	0	84	-100.0%	0	0.0%	18	249	-92.8%
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	54	-100.0%	0	0.0%	30	64	-53.1%
PROPANE NON-LDH MB (OPIS) BALMO SWP	1S	75	405	-81.5%	1,124	-93.3%	8,249	2,656	210.6%
PROPANE NON-LDH MT. BEL (OPIS) SWP	1R	15,918	18,252	-12.8%	18,001	-11.6%	88,437	60,943	45.1%
RBOB CALENDAR SWAP	RL	9,901	4,767	107.7%	8,994	10.1%	34,415	22,250	54.7%
RBOB CRACK SPREAD	RM	2,100	2,710	-22.5%	2,015	4.2%	6,645	7,178	-7.4%
RBOB CRACK SPREAD BALMO S	1E	25	0	0.0%	0	-	25	0	0.0%
RBOB GASOLINE BALMO CLNDR	1D	805	1,526	-47.2%	1,598	-49.6%	5,106	6,788	-24.8%
RBOB PHY	RBL	0	0	0.0%	0	0.0%	0	0	0.0%
RBOB SPREAD (PLATTS) SWAP	RI	0	0	0.0%	0	0.0%	0	0	0.0%
RBOB VS HEATING OIL SWAP	RH	0	0	0.0%	0	0.0%	75	1,150	-93.5%
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	10	113	-91.2%	26	-61.5%	73	295	-75.3%
SINGAPORE 380CST BALMO	BT	26	579	-95.5%	83	-68.7%	224	988	-77.3%
SINGAPORE 380CST FUEL OIL	SE	3,620	12,793	-71.7%	2,582	40.2%	15,961	40,314	-60.4%
SINGAPORE FUEL 180CST CAL	UA	206	1,798	-88.5%	486	-57.6%	1,527	5,162	-70.4%
SINGAPORE FUEL OIL SPREAD	SD	28	758	-96.3%	15	86.7%	273	4,898	-94.4%
SINGAPORE GASOIL	MAF	1,598	0	-	1,576	1.4%	8,739	0	-
SINGAPORE GASOIL	MTB	52	90	-42.2%	46	13.0%	243	358	-32.1%
SINGAPORE GASOIL	MTS	3,469	4,448	-22.0%	3,224	7.6%	17,970	24,778	-27.5%
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%	0	0	0.0%
SINGAPORE GASOIL CALENDAR	MGO	0	0	0.0%	0	0.0%	0	200	-100.0%
SINGAPORE GASOIL CALENDAR	MSG	174	180	-3.3%	19	815.8%	863	4,099	-78.9%
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	558	1,316	-57.6%	1,384	-59.7%	5,479	22,483	-75.6%
SINGAPORE GASOIL VS ICE	GA	0	12,675	-100.0%	0	0.0%	4,340	86,735	-95.0%
SINGAPORE JET KERO BALMO	BX	0	0	0.0%	0	0.0%	0	165	-100.0%
SINGAPORE JET KERO GASOIL	RK	0	3,225	-100.0%	0	0.0%	100	22,520	-99.6%
SINGAPORE JET KEROSENE SW	KS	400	550	-27.3%	940	-57.4%	2,985	5,395	-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	0	650	-100.0%	450	-100.0%	1,375	2,313	-40.6%
SINGAPORE MOGAS 92 UNLEADED SWP	1N	4,532	8,580	-47.2%	13,922	-67.4%	70,932	72,284	-1.9%
SINGAPORE NAPHTHA SWAP	SP	0	0	0.0%	0	0.0%	0	200	-100.0%
SING FUEL	MSD	0	10	-100.0%	0	0.0%	0	65	-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	130	0	0.0%	250	-48.0%	1,110	548	102.6%
TC5 RAS TANURA TO YOKOHAM	TH	225	0	0.0%	280	-19.6%	1,745	240	627.1%
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	6,975	945	638.1%	3,015	131.3%	21,961	2,910	654.7%
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	20	8,865	-99.8%	355	-94.4%	3,149	23,795	-86.8%
ULSD 10PPM CIF MED SWAP	Z6	0	0	0.0%	0	-	0	0	0.0%

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Commodity		VOLUME MAY 2019	VOLUME MAY 2018	% CHG	VOLUME APR 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	4,475	7,275	-38.5%	3,400	31.6%	27,945	27,040	3.3%
UP DOWN GC ULSD VS NMX HO	LT	38,337	32,294	18.7%	20,310	88.8%	141,836	171,146	-17.1%
WAHA BASIS	NW	150	276	-45.7%	75	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	0	0.0%	264	-100.0%	864	6,300	-86.3%
WTI-BRENT CALENDAR SWAP	BK	40,822	39,023	4.6%	61,338	-33.4%	181,030	191,197	-5.3%
WTI CALENDAR	CS	40,368	28,973	39.3%	68,900	-41.4%	232,350	182,526	27.3%
WTS (ARGUS) VS WTI SWAP	FF	13,779	4,393	213.7%	1,845	646.8%	26,832	40,260	-33.4%
WTS (ARGUS) VS WTI TRD MT	FH	780	90	766.7%	966	-19.3%	4,758	1,362	249.3%
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	2,100	400	425.0%	240	775.0%	2,340	1,540	51.9%
BRENT CRUDE OIL 12 M CSO	9Y	0	0	0.0%	0	0.0%	0	2,000	-100.0%
BRENT CRUDE OIL 1 M CSO	9C	1,050	61,630	-98.3%	9,000	-88.3%	31,150	316,374	-90.2%
BRENT CRUDE OIL 6 M CSO	9L	0	0	0.0%	0	0.0%	0	1,000	-100.0%
BRENT OIL LAST DAY	BE	69,500	55,880	24.4%	57,956	19.9%	244,299	142,044	72.0%
BRENT OIL LAST DAY	BZO	157,557	137,760	14.4%	95,682	64.7%	529,009	592,609	-10.7%
BRENT OIL LAST DAY	OS	0	0	0.0%	0	0.0%	0	1,040	-100.0%
COAL API2 INDEX	CLA	50	890	-94.4%	35	42.9%	135	3,855	-96.5%
COAL API2 INDEX	CQA	0	955	-100.0%	0	0.0%	510	2,005	-74.6%
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	303,200	298,450	1.6%	318,157	-4.7%	1,309,661	1,049,710	24.8%
CRUDE OIL APO	AO	27,784	66,495	-58.2%	81,180	-65.8%	261,384	295,411	-11.5%
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 MAY 2019	VOLUME MAY 2018	% CHG	VOLUME APR 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	300	10,275	-97.1%	600	-50.0%	1,150	17,300	-93.4%
CRUDE OIL PHY	LC	13,441	9,804	37.1%	17,379	-22.7%	53,806	63,095	-14.7%
CRUDE OIL PHY	LO	3,621,234	3,935,382	-8.0%	2,791,009	29.7%	13,003,997	18,853,195	-31.0%
CRUDE OIL PHY	LO1	15,884	24,908	-36.2%	23,358	-32.0%	85,347	73,070	16.8%
CRUDE OIL PHY	LO2	14,128	23,582	-40.1%	27,270	-48.2%	85,815	78,945	8.7%
CRUDE OIL PHY	LO3	10,404	8,880	17.2%	10,539	-1.3%	37,476	56,795	-34.0%
CRUDE OIL PHY	LO4	20,723	22,608	-8.3%	26,507	-21.8%	82,208	80,499	2.1%
CRUDE OIL PHY	LO5	18,688	62	30,041.9%	0	0.0%	38,264	13,339	186.9%
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	150	-100.0%	0	0.0%	0	150	-100.0%
ETHANOL SWAP	CVR	11,608	10,285	12.9%	10,957	5.9%	42,817	42,152	1.6%
ETHANOL SWAP	GVR	0	90	-100.0%	0	0.0%	780	1,773	-56.0%
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	72	620	-88.4%	343	-79.0%	748	620	20.6%
HEATING OIL PHY	OH	40,642	25,916	56.8%	19,982	103.4%	140,162	160,425	-12.6%
HENRY HUB FINANCIAL LAST	E7	9,252	3,411	171.2%	11,931	-22.5%	39,222	17,859	119.6%
HO 1 MONTH CLNDR OPTIONS	FA	0	0	0.0%	1,150	-100.0%	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	135	-100.0%	0	0.0%	130	225	-42.2%
MCCLOSKEY RCH BAY COAL	MFO	100	150	-33.3%	50	100.0%	370	1,875	-80.3%
NATURAL GAS	G10	0	0	0.0%	0	-	0	0	0.0%
NATURAL GAS 1 M CSO FIN	G4	19,475	10,250	90.0%	12,000	62.3%	193,975	222,942	-13.0%
NATURAL GAS 2 M CSO FIN	G2	75	0	0.0%	1,250	-94.0%	1,825	0	0.0%
NATURAL GAS 3 M CSO FIN	G3	15,100	15,150	-0.3%	25,500	-40.8%	45,700	29,446	55.2%
NATURAL GAS 5 M CSO FIN	G5	250	0	0.0%	0	0.0%	250	2,550	-90.2%
NATURAL GAS 6 M CSO FIN	G6	4,100	2,000	105.0%	11,300	-63.7%	32,475	65,650	-50.5%
NATURAL GAS OPTION ON CALENDAR STRP	6J	600	900	-33.3%	400	50.0%	8,300	19,308	-57.0%
NATURAL GAS PHY	KD	1,088	23,545	-95.4%	2,437	-55.4%	9,295	115,171	-91.9%
NATURAL GAS PHY	LN	1,310,436	1,515,300	-13.5%	1,229,792	6.6%	6,989,479	9,859,391	-29.1%

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Energy Options									
NATURAL GAS PHY	ON	97,083	167,766	-42.1%	121,631	-20.2%	618,422	905,217	-31.7%
NATURAL GAS WINTER STRIP	6I	1,300	0	-	0	0.0%	1,300	0	-
N ROCKIES PIPE SWAP	ZR	546	736	-25.8%	1,026	-46.8%	1,572	736	113.6%
NY HARBOR HEAT OIL SWP	AT	6,691	3,895	71.8%	396	1,589.6%	11,565	15,638	-26.0%
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	20	708	-97.2%	377	-94.7%	1,864	2,841	-34.4%
PETROCHEMICALS	4J	200	0	0.0%	0	0.0%	200	1,350	-85.2%
PETROCHEMICALS	4K	0	0	0.0%	160	-100.0%	160	0	0.0%
PETROCHEMICALS	CPR	40	0	0.0%	0	0.0%	40	0	0.0%
PETRO OUTRIGHT EURO	8H	0	0	0.0%	0	0.0%	0	0	0.0%
PETRO OUTRIGHT EURO	BCO	0	0	-	0	0.0%	24	0	-
PETRO OUTRIGHT NA	DAP	0	0	0.0%	0	0.0%	0	0	0.0%
PJM WES HUB PEAK CAL MTH	6OA	0	0	0.0%	40	-100.0%	160	250	-36.0%
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	1,064	-100.0%	0	0.0%	836	5,339	-84.3%
RBOB 1MO CAL SPD OPTIONS	ZA	0	0	0.0%	0	0.0%	150	500	-70.0%
RBOB CALENDAR SWAP	RA	0	55	-100.0%	0	0.0%	237	965	-75.4%
RBOB CRACK	RX	0	0	-	0	0.0%	0	0	-
RBOB PHY	OB	18,774	13,805	36.0%	33,287	-43.6%	85,828	60,239	42.5%
RBOB PHY	RF	496	0	0.0%	0	0.0%	1,012	125	709.6%
ROTTERDAM 3.5%FUEL OIL CL	Q6	0	0	0.0%	0	0.0%	0	0	0.0%
SAN JUAN PIPE SWAP	PJ	910	336	170.8%	0	0.0%	910	1,236	-26.4%
SHORT TERM	C15	0	0	-	0	0.0%	0	0	-
SHORT TERM	U11	0	651	-100.0%	0	0.0%	250	951	-73.7%
SHORT TERM	U12	0	0	0.0%	0	0.0%	700	535	30.8%
SHORT TERM	U13	0	0	0.0%	0	0.0%	0	100	-100.0%
SHORT TERM	U14	0	103	-100.0%	0	0.0%	50	738	-93.2%
SHORT TERM	U15	0	2	-100.0%	25	-100.0%	825	277	197.8%
SHORT TERM	U22	0	36	-100.0%	1	-100.0%	1	1,061	-99.9%
SHORT TERM	U23	17	0	0.0%	0	0.0%	17	580	-97.1%
SHORT TERM	U24	0	326	-100.0%	0	0.0%	0	426	-100.0%
SHORT TERM	U25	0	0	0.0%	0	0.0%	0	0	0.0%
SHORT TERM	U26	0	0	0.0%	0	0.0%	0	300	-100.0%
SHORT TERM NATURAL GAS	U01	0	225	-100.0%	0	0.0%	525	350	50.0%

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Energy Options									
SHORT TERM NATURAL GAS	U02	0	200	-100.0%	0	0.0%	0	1,175	-100.0%
SHORT TERM NATURAL GAS	U03	404	625	-35.4%	0	0.0%	404	755	-46.5%
SHORT TERM NATURAL GAS	U04	0	125	-100.0%	0	0.0%	600	375	60.0%
SHORT TERM NATURAL GAS	U05	0	80	-100.0%	0	0.0%	200	705	-71.6%
SHORT TERM NATURAL GAS	U06	0	0	0.0%	0	0.0%	50	450	-88.9%
SHORT TERM NATURAL GAS	U07	0	300	-100.0%	0	0.0%	600	550	9.1%
SHORT TERM NATURAL GAS	U08	0	150	-100.0%	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	500	-100.0%	0	0.0%	0	700	-100.0%
SHORT TERM NATURAL GAS	U16	0	12	-100.0%	0	0.0%	100	597	-83.2%
SHORT TERM NATURAL GAS	U17	0	1,760	-100.0%	0	0.0%	0	2,280	-100.0%
SHORT TERM NATURAL GAS	U18	0	22	-100.0%	25	-100.0%	25	522	-95.2%
SHORT TERM NATURAL GAS	U19	0	0	0.0%	0	0.0%	0	185	-100.0%
SHORT TERM NATURAL GAS	U20	0	0	0.0%	0	0.0%	0	0	0.0%
SHORT TERM NATURAL GAS	U21	0	203	-100.0%	0	0.0%	50	203	-75.4%
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	100	-100.0%	0	0.0%	0	400	-100.0%
SHORT TERM NATURAL GAS	U30	200	0	0.0%	0	0.0%	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	50,150	95,991	-47.8%	46,275	8.4%	281,930	622,479	-54.7%
WTI CRUDE OIL 1 M CSO FI	7A	48,415	82,700	-41.5%	110,950	-56.4%	309,715	403,750	-23.3%
Metals Futures									
COMEX GOLD	GC	7,142,711	8,676,586	-17.7%	5,096,346	40.2%	29,206,932	38,608,171	-24.4%
NYMEX HOT ROLLED STEEL	HR	28,415	9,487	199.5%	19,031	49.3%	97,592	50,723	92.4%
NYMEX PLATINUM	PL	414,824	392,326	5.7%	398,312	4.1%	2,193,203	2,169,332	1.1%
PALLADIUM	PA	129,839	127,272	2.0%	96,677	34.3%	594,181	636,963	-6.7%
URANIUM	UX	1,175	100	1,075.0%	1,000	17.5%	7,850	1,012	675.7%
COMEX SILVER	SI	1,476,265	1,702,205	-13.3%	1,920,305	-23.1%	8,124,923	10,512,590	-22.7%
COMEX E-Mini GOLD	QO	14,787	6,960	112.5%	9,214	60.5%	43,533	35,505	22.6%

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Metals Futures									
COMEX E-Mini SILVER	QI	5,823	898	548.4%	3,970	46.7%	16,503	5,857	181.8%
COMEX COPPER	HG	2,082,227	2,562,938	-18.8%	2,243,498	-7.2%	10,531,362	13,926,264	-24.4%
COMEX MINY COPPER	QC	435	363	19.8%	779	-44.2%	2,887	2,762	4.5%
ALUMINUM	A38	0	0	0.0%	0	0.0%	22	0	0.0%
ALUMINUM	AEP	840	2,804	-70.0%	2,337	-64.1%	8,705	9,840	-11.5%
ALUMINUM	ALA	120	775	-84.5%	0	0.0%	240	3,700	-93.5%
ALUMINUM	ALI	0	0	0.0%	0	0.0%	0	0	0.0%
ALUMINUM	AUP	7,775	8,480	-8.3%	6,285	23.7%	32,984	58,938	-44.0%
ALUMINUM	CUP	0	0	0.0%	0	0.0%	0	205	-100.0%
ALUMINUM	EDP	1,140	1,785	-36.1%	1,492	-23.6%	10,164	8,477	19.9%
ALUMINUM	MJP	1,440	176	718.2%	540	166.7%	4,200	7,475	-43.8%
COPPER	HGS	2,002	50	3,904.0%	1,196	67.4%	5,649	10,123	-44.2%
E-MICRO GOLD	MGC	174,099	148,719	17.1%	184,890	-5.8%	977,690	667,871	46.4%
FERROUS PRODUCTS	BUS	923	1,106	-16.5%	2,480	-62.8%	6,350	10,300	-38.3%
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	5,679	5,349	6.2%	4,431	28.2%	35,034	19,763	77.3%
LNDN ZINC	ZNC	108	137	-21.2%	117	-7.7%	1,194	177	574.6%
SILVER	SIL	14,325	5,546	158.3%	15,831	-9.5%	76,926	34,814	121.0%
Metals Options									
COMEX COPPER	HX	50,998	21,300	139.4%	69,781	-26.9%	307,123	103,516	196.7%
COMEX GOLD	OG	1,002,115	972,624	3.0%	807,033	24.2%	4,747,180	4,815,346	-1.4%
COMEX SILVER	SO	118,247	141,157	-16.2%	103,575	14.2%	614,165	732,357	-16.1%
COPPER	H1E	17	0	-	64	-73.4%	117	0	-
COPPER	H2E	222	0	-	25	788.0%	269	0	-
COPPER	H3E	28	0	-	0	0.0%	55	0	-
COPPER	H4E	11	11	0.0%	10	10.0%	43	11	290.9%
COPPER	H5E	10	0	-	0	0.0%	20	0	-
GOLD	OG1	17,757	12,153	46.1%	35,228	-49.6%	111,733	53,225	109.9%
GOLD	OG2	37,842	10,392	264.1%	24,364	55.3%	127,677	42,916	197.5%
GOLD	OG3	18,026	11,994	50.3%	18,662	-3.4%	90,837	48,626	86.8%
GOLD	OG4	21,158	4,069	420.0%	10,900	94.1%	58,574	27,580	112.4%
GOLD	OG5	14,940	0	0.0%	0	0.0%	28,663	6,835	319.4%



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Metals Options									
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%	3,150	-100.0%	6,660	200	3,230.0%
IRON ORE 62 CHINA TSI PUT OPTION	ICT	0	0	0.0%	1,800	-100.0%	3,600	1,080	233.3%
NYMEX PLATINUM	PO	4,609	3,237	42.4%	4,234	8.9%	19,199	15,771	21.7%
PALLADIUM	PAO	1,158	2,212	-47.6%	1,528	-24.2%	6,623	16,574	-60.0%
SILVER	SO1	1,516	119	1,173.9%	987	53.6%	5,050	740	582.4%
SILVER	SO2	780	317	146.1%	1,462	-46.6%	4,134	667	519.8%
SILVER	SO3	912	207	340.6%	1,131	-19.4%	5,439	965	463.6%
SILVER	SO4	575	109	427.5%	830	-30.7%	2,131	474	349.6%
SILVER	SO5	562	0	0.0%	0	0.0%	1,867	133	1,303.8%
TOTAL FUTURES GROUP									
Ag Products Futures		6	0	0.0%	0	0.0%	9	65	-86.2%
Energy Futures		49,724,500	52,767,300	-5.8%	47,088,131	5.6%	225,389,689	247,977,514	-9.1%
Metals Futures		11,504,952	13,654,062	-15.7%	10,008,731	14.9%	51,978,124	66,780,998	-22.2%
TOTAL FUTURES		61,229,458	66,421,362	-7.8%	57,096,862	7.2%	277,367,822	314,758,577	-11.9%
TOTAL OPTIONS GROUP									
Energy Options		5,914,087	6,638,339	-10.9%	5,100,197	16.0%	24,597,936	34,225,487	-28.1%
Metals Options		1,291,483	1,179,901	9.5%	1,084,764	19.1%	6,141,759	5,867,016	4.7%
TOTAL OPTIONS		7,205,570	7,818,240	-7.8%	6,184,961	16.5%	30,739,695	40,092,503	-23.3%



NYMEX/COMEX Exchange Volume Report - Monthly

Commodity	VOLUME MAY 2019	VOLUME MAY 2018	% CHG	VOLUME APR 2019	% CHG	VOLUME Y.T.D 2019	VOLUME Y.T.D 2018	% CHG
TOTAL COMBINED								
Ag Products	6	0	0.0%	0	-	9	65	-86.2%
Energy	55,638,587	59,405,639	-6.3%	52,188,328	6.6%	249,987,625	282,203,001	-11.4%
Metals	12,796,435	14,833,963	-13.7%	11,093,495	15.4%	58,119,883	72,648,014	-20.0%
GRAND TOTAL	68,435,028	74,239,602	-7.8%	63,281,823	8.1%	308,107,517	354,851,080	-13.2%