



NYMEX/COMEX Exchange Volume Report - Monthly

Commodity		VOLUME JUL 2019	VOLUME JUL 2018	% CHG	VOLUME JUN 2019	% CHG	VOLUME Y.T.D 2019	VOLUME Y.T.D 2018	% CHG
Ag Products Futures									
COCOA TAS	CJ	0	0	0.0%	8	-100.0%	8	5	60.0%
COFFEE	KT	0	0	0.0%	0	-	0	0	0.0%
COTTON	TT	14	0	0.0%	6	133.3%	29	2	1,350.0%
SUGAR 11	YO	0	0	0.0%	10	-100.0%	10	58	-82.8%
Energy Futures									
CRUDE OIL PHY	CL	22,825,340	23,056,226	-1.0%	23,435,515	-2.6%	174,901,595	190,852,685	-8.4%
CRUDE OIL	WS	0	4,800	-100.0%	0	0.0%	16,694	15,139	10.3%
MINY WTI CRUDE OIL	QM	550,243	403,151	36.5%	590,831	-6.9%	3,208,632	2,380,009	34.8%
BRENT OIL LAST DAY	BZ	2,007,392	1,651,027	21.6%	2,503,878	-19.8%	15,120,711	12,850,241	17.7%
HEATING OIL PHY	HO	3,082,273	3,326,215	-7.3%	3,370,846	-8.6%	23,317,576	27,549,815	-15.4%
HTG OIL	BH	48	36	33.3%	0	0.0%	96	84	14.3%
MINY HTG OIL	QH	3	4	-25.0%	3	0.0%	23	22	4.5%
RBOB PHY	RB	4,235,311	3,959,402	7.0%	4,270,153	-0.8%	31,220,335	28,869,247	8.1%
MINY RBOB GAS	QU	6	4	50.0%	7	-14.3%	43	23	87.0%
NATURAL GAS	HP	100,821	74,845	34.7%	116,365	-13.4%	766,379	818,659	-6.4%
LTD NAT GAS	HH	272,857	264,029	3.3%	341,493	-20.1%	2,198,437	2,388,977	-8.0%
MINY NATURAL GAS	QG	33,478	18,460	81.4%	27,384	22.3%	191,184	186,022	2.8%
PJM MONTHLY	JM	0	0	0.0%	0	0.0%	0	0	0.0%
NATURAL GAS PHY	NG	9,037,161	7,091,612	27.4%	8,344,210	8.3%	53,948,956	61,682,996	-12.5%
RBOB GAS	RT	12	36	-66.7%	0	0.0%	72	14,374	-99.5%
3.5% FUEL OIL CID MED SWA	7D	3	0	0.0%	5	-40.0%	81	452	-82.1%
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	2,505	11,970	-79.1%	5,900	-57.5%	72,746	172,101	-57.7%
ARGUS PROPAN FAR EST INDE	7E	5,444	3,918	38.9%	5,678	-4.1%	42,981	40,301	6.6%
ARGUS PROPAN(SAUDI ARAMCO	9N	2,522	2,024	24.6%	1,995	26.4%	19,904	17,151	16.1%

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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	50	135	-63.0%	200	-75.0%	963	185	420.5%
BRENT CALENDAR SWAP	CY	12,224	1,669	632.4%	12,231	-0.1%	48,284	24,992	93.2%
BRENT CFD SWAP	6W	0	0	0.0%	0	0.0%	0	300	-100.0%
BRENT FINANCIAL FUTURES	BB	0	0	0.0%	0	0.0%	7,000	13,264	-47.2%
BRENT FINANCIAL FUTURES	MBC	237	127	86.6%	0	0.0%	319	127	151.2%
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	96,231	66,953	43.7%	96,843	-0.6%	749,514	692,236	8.3%
CHICAGO ULSD (PLATTS) SWA	4C	0	0	0.0%	0	-	0	0	0.0%
CHICAGO ULSD PL VS HO SPR	5C	365	550	-33.6%	672	-45.7%	4,214	2,534	66.3%
CHICAGO UNL GAS PL VS RBO	3C	245	125	96.0%	200	22.5%	1,120	750	49.3%
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	688	1,216	-43.4%	442	55.7%	3,870	8,796	-56.0%
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	230	-100.0%	0	0.0%	325	230	41.3%
COAL SWAP	ACM	0	30	-100.0%	0	0.0%	0	450	-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	50	89	-43.8%	75	-33.3%	1,233	1,314	-6.2%
CONWAY NORMAL BUTANE (OPIS) SWAP	8M	335	209	60.3%	1,003	-66.6%	2,796	2,426	15.3%
CONWAY PROPANE 5 DECIMALS SWAP	8K	13,696	13,364	2.5%	21,126	-35.2%	108,694	110,930	-2.0%
CRUDE OIL	LPS	2,100	5,150	-59.2%	2,400	-12.5%	19,825	33,955	-41.6%
CRUDE OIL OUTRIGHTS	42	42	243	-82.7%	414	-89.9%	3,051	1,797	69.8%
CRUDE OIL OUTRIGHTS	CC5	621	0	0.0%	750	-17.2%	3,071	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	0	0	0.0%	530	-100.0%	2,920	5	58,300.0%
CRUDE OIL OUTRIGHTS	DBL	0	0	0.0%	400	-100.0%	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	63,946	40,225	59.0%	48,141	32.8%	419,744	372,418	12.7%
CRUDE OIL OUTRIGHTS	LSW	0	0	0.0%	180	-100.0%	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	1,535	2,758	-44.3%	3,530	-56.5%	32,294	53,950	-40.1%
CRUDE OIL PHY	CLL	0	0	0.0%	0	0.0%	0	0	0.0%
CRUDE OIL PHY	HCL	12,830	0	-	12,739	0.7%	143,275	0	-
CRUDE OIL SPRDS	38	0	0	0.0%	0	0.0%	0	2,055	-100.0%
CRUDE OIL SPRDS	HIL	0	0	-	0	0.0%	720	0	-
CRUDE OIL SPRDS	WTT	29,995	29,726	0.9%	22,810	31.5%	166,280	343,516	-51.6%
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	85	-100.0%	0	0.0%	1,000	3,135	-68.1%
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	490	2,075	-76.4%	1,175	-58.3%	17,538	14,027	25.0%
DUTCH TTF NATURAL GAS CAL MONTH FUT	TTF	17,365	482	3,502.7%	4,217	311.8%	59,242	7,180	725.1%
DY EURO 3.5% FUEL OI RDA	FOR	0	0	0.0%	0	-	0	0	0.0%
EASTERN RAIL DELIVERY CSX	QX	0	15	-100.0%	0	0.0%	0	245	-100.0%
EAST/WEST FUEL OIL SPREAD	EW	10	30	-66.7%	10	0.0%	20	187	-89.3%
EIA FLAT TAX ONHWAY DIESE	A5	389	31	1,154.8%	686	-43.3%	2,642	1,480	78.5%
ELEC ERCOT DLY OFF PK	I4	0	0	0.0%	0	0.0%	0	0	0.0%
ELEC ERCOT DLY PEAK	I3	0	0	0.0%	0	0.0%	0	0	0.0%
ELEC ERCOT DLY PEAK	I7	0	0	0.0%	0	0.0%	0	0	0.0%
ELEC ERCOT OFF PEAK	I2	0	0	0.0%	0	0.0%	0	19,600	-100.0%
ELEC FINSETTLED	47	0	0	0.0%	0	0.0%	0	0	0.0%
ELEC FINSETTLED	49	0	0	0.0%	0	-	0	0	0.0%
ELEC MISO PEAK	4L	0	0	0.0%	0	0.0%	0	0	0.0%
ELEC MISO PEAK	55	0	0	0.0%	0	0.0%	0	0	0.0%
ELEC NYISO OFF-PEAK	4M	0	0	0.0%	0	0.0%	0	0	0.0%
ELEC NYISO OFF-PEAK	58	0	0	0.0%	0	0.0%	0	0	0.0%
ELECTRICITY ERCOT PEAK	ERE	0	0	0.0%	0	-	0	0	0.0%
ELECTRICITY OFF PEAK	46	0	0	0.0%	0	0.0%	0	0	0.0%
ELECTRICITY OFF PEAK	4P	0	0	-	0	0.0%	0	0	-
ELECTRICITY OFF PEAK	50	0	0	0.0%	0	-	0	0	0.0%
ELEC WEST POWER OFF-PEAK	MDA	0	0	0.0%	0	-	0	0	0.0%
ELEC WEST POWER PEAK	MDC	0	0	0.0%	0	-	0	0	0.0%
ERCOT DAILY 5MW PEAK	ERW	0	0	0.0%	0	-	0	0	0.0%
ERCOT HOUSTON Z MCPE 5MW PEAK SWAP	I1	0	0	0.0%	0	0.0%	0	1,950	-100.0%
ERCOT NORTH ZMCPE 5MW OFFPEAK	I8	0	0	0.0%	0	0.0%	0	0	0.0%
ERCOT NORTH ZMCPE 5MW OFFPEAK SWAP	I6	0	0	0.0%	0	0.0%	0	19,600	-100.0%
ERCOT NORTH ZMCPE 5MW PEAK	I5	0	0	0.0%	0	0.0%	0	5,050	-100.0%
ETHANOL	MTH	0	0	-	0	0.0%	40	0	-
ETHANOL	Z1B	0	0	-	0	0.0%	0	0	-
ETHANOL SWAP	MT2	10	120	-91.7%	0	0.0%	530	250	112.0%
ETHANOL T2 FOB ROTT INCL DUTY SWAP	Z1	1,879	2,339	-19.7%	2,207	-14.9%	23,478	20,610	13.9%
EURO 1% FUEL OIL NEW BALM	KX	0	0	0.0%	0	0.0%	3	23	-87.0%
EURO 3.5% FUEL OIL RDAM B	KR	72	701	-89.7%	6	1,100.0%	291	4,710	-93.8%

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Energy Futures									
EURO 3.5% FUEL OIL SPREAD	FK	12	17	-29.4%	15	-20.0%	147	709	-79.3%
EURO-DENOMINATED PETRO PROD	NCP	0	0	0.0%	0	0.0%	0	0	0.0%
EURO GASOIL 10PPM VS ICE	ET	0	0	0.0%	0	0.0%	0	370	-100.0%
EUROPE 1% FUEL OIL NWE CA	UF	0	48	-100.0%	6	-100.0%	450	366	23.0%
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	14	2	600.0%	5	180.0%	367	673	-45.5%
EUROPE 3.5% FUEL OIL RDAM	UV	380	7,697	-95.1%	604	-37.1%	7,273	64,334	-88.7%
EUROPEAN GASOIL (ICE)	7F	100	318	-68.6%	156	-35.9%	732	3,317	-77.9%
EUROPEAN NAPHTHA BALMO	KZ	181	410	-55.9%	159	13.8%	1,335	2,012	-33.6%
EUROPEAN NAPHTHA CRACK SPR	EN	2,124	7,925	-73.2%	4,300	-50.6%	32,224	63,590	-49.3%
EUROPE DATED BRENT SWAP	UB	0	0	0.0%	575	-100.0%	1,633	0	0.0%
EUROPE JET KERO NWE CALSW	UJ	0	6	-100.0%	0	0.0%	5	21	-76.2%
EUROPE NAPHTHA CALSWAP	UN	1,682	4,080	-58.8%	1,246	35.0%	14,884	23,529	-36.7%
EURO PROPANE CIF ARA SWA	PS	1,703	1,189	43.2%	1,921	-11.3%	13,839	12,517	10.6%
FLORIDA GAS ZONE3 BASIS S	FP	0	0	0.0%	0	-	0	0	0.0%
FREIGHT MARKETS	FLP	361	177	104.0%	110	228.2%	1,143	785	45.6%
FREIGHT MARKETS	FRC	230	0	0.0%	290	-20.7%	1,120	540	107.4%
FREIGHT MARKETS	FRS	0	0	0.0%	70	-100.0%	70	0	0.0%
FREIGHT MARKETS	T2D	545	330	65.2%	765	-28.8%	4,100	1,938	111.6%
FREIGHT MARKETS	TC6	0	0	0.0%	0	0.0%	0	240	-100.0%
FREIGHT MARKETS	TD3	70	30	133.3%	0	0.0%	140	30	366.7%
FREIGHT MARKETS	TD8	0	0	-	0	0.0%	60	0	-
FREIGHT MARKETS	USC	60	0	-	0	-	60	0	-
FUEL OIL CRACK VS ICE	FO	1,214	2,312	-47.5%	1,100	10.4%	11,168	30,447	-63.3%
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%	6	-100.0%	6	154	-96.1%
FUEL OIL (PLATS) CAR CN	1X	0	48	-100.0%	0	0.0%	0	120	-100.0%
FUELOIL SWAP:CARGOES VS.B	FS	36	203	-82.3%	184	-80.4%	1,416	1,713	-17.3%
GAS EURO-BOB OXY NWE BARGES	7H	2,902	7,209	-59.7%	4,428	-34.5%	42,837	55,668	-23.0%
GAS EURO-BOB OXY NWE BARGES CRK	7K	5,279	13,153	-59.9%	7,358	-28.3%	63,065	139,577	-54.8%
GASOIL 0.1 CIF MED SWAP	Z4	0	0	0.0%	0	-	0	0	0.0%
GASOIL 0.1CIF MED VS ICE	Z5	0	0	0.0%	0	0.0%	0	10	-100.0%
GASOIL 0.1 CIF NWE VS ISE	TU	0	0	0.0%	0	0.0%	10	0	0.0%
GASOIL 0.1 CIF VS ICE GAS	8W	0	0	0.0%	0	-	0	0	0.0%
GASOIL 0.1 RDAM BRGS VS I	WQ	0	0	0.0%	6	-100.0%	21	5	320.0%
GASOIL 0.1 ROTTERDAM BARG	VL	0	95	-100.0%	0	0.0%	103	1,255	-91.8%

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Energy Futures									
GASOIL 10P CRG CIF NW VS	3V	0	0	0.0%	0	-	0	0	0.0%
GASOIL 10PPM VS ICE SWAP	TP	0	0	0.0%	0	0.0%	39	12	225.0%
GASOIL BULLET SWAP	BG	0	0	0.0%	0	-	0	0	0.0%
GASOIL CALENDAR SWAP	GX	12	0	0.0%	12	0.0%	90	48	87.5%
GASOIL CRACK SPREAD CALEN	GZ	960	1,524	-37.0%	3,272	-70.7%	4,994	32,720	-84.7%
GASOIL MINI CALENDAR SWAP	QA	427	384	11.2%	266	60.5%	1,698	1,270	33.7%
GERMAN POWER BASELOAD CAL MONTH FU	DEB	5,143	0	0.0%	867	493.2%	17,435	2,076	739.8%
GROUP THREE ULSD (PLATTS)	A7	0	0	0.0%	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	4,648	2,060	125.6%	2,901	60.2%	24,995	24,838	0.6%
GRP THREE UNL GS (PLT) VS	A8	1,810	2,160	-16.2%	1,100	64.5%	19,817	13,792	43.7%
GULF COAST 3% FUEL OIL BA	VZ	809	1,846	-56.2%	389	108.0%	4,938	10,485	-52.9%
GULF COAST JET FUEL CLNDR	GE	0	60	-100.0%	0	0.0%	267	915	-70.8%
GULF COAST JET VS NYM 2 H	ME	20,360	27,628	-26.3%	24,016	-15.2%	152,410	271,668	-43.9%
GULF COAST NO.6 FUEL OIL	MF	18,314	47,665	-61.6%	18,925	-3.2%	165,462	426,001	-61.2%
GULF COAST NO.6 FUEL OIL	MG	160	835	-80.8%	305	-47.5%	1,493	14,343	-89.6%
GULF COAST ULSD CALENDAR	LY	277	98	182.7%	752	-63.2%	2,842	1,810	57.0%
GULF COAST ULSD CRACK SPR	GY	0	0	0.0%	0	0.0%	0	1,295	-100.0%
HEATING OIL BALMO CLNDR S	1G	40	0	0.0%	480	-91.7%	565	223	153.4%
HEATING OIL CRCK SPRD BAL	1H	0	0	-	0	0.0%	18	0	-
HEATING OIL PHY	HOL	0	0	0.0%	0	0.0%	0	0	0.0%
HENRY HUB BASIS SWAP	HB	1,178	0	0.0%	1,860	-36.7%	12,426	7,432	67.2%
HENRY HUB FINANCIAL LAST	NBP	0	3,975	-100.0%	0	0.0%	0	18,046	-100.0%
HENRY HUB FINANCIAL LAST	TTE	0	69	-100.0%	0	0.0%	0	777	-100.0%
HENRY HUB INDEX SWAP FUTU	IN	1,178	0	0.0%	1,860	-36.7%	12,426	7,432	67.2%
HENRY HUB SWAP	NN	74,882	202,461	-63.0%	97,368	-23.1%	779,286	1,212,075	-35.7%
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	4,276	7,850	-45.5%	8,880	-51.8%	39,114	71,498	-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%

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Energy Futures									
INDONESIAN COAL	MCC	0	0	0.0%	0	-	0	0	0.0%
INDONESIAN COAL ICI4	ICI	550	240	129.2%	235	134.0%	2,760	775	256.1%
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	824	2,037	-59.5%	759	8.6%	8,683	14,993	-42.1%
JAPAN NAPHTHA BALMO SWAP	E6	10	185	-94.6%	3	233.3%	289	401	-27.9%
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	138	-100.0%	0	0.0%	70	630	-88.9%
JET FUEL BRG FOB RDM VS I	9Q	0	0	0.0%	0	-	0	0	0.0%
JET FUEL CRG CIF NEW VS I	6X	0	0	0.0%	0	-	0	0	0.0%
JET FUEL UP-DOWN BALMO CL	1M	4,915	3,420	43.7%	5,064	-2.9%	31,313	42,257	-25.9%
JKM LNG Futures	JKM	1,760	2,065	-14.8%	240	633.3%	10,976	7,010	56.6%
LA CARB DIESEL (OPIS)	LX	0	0	0.0%	0	-	0	0	0.0%
LA CARB DIESEL (OPIS) SWA	KL	0	775	-100.0%	30	-100.0%	325	2,525	-87.1%
LA CARBOB GASOLINE(OPIS)S	JL	375	150	150.0%	300	25.0%	2,675	4,075	-34.4%
LA JET FUEL VS NYM NO 2 H	MQ	0	0	0.0%	0	-	0	0	0.0%
LA JET (OPIS) SWAP	JS	1,425	1,115	27.8%	1,510	-5.6%	9,305	16,255	-42.8%
LLS (ARGUS) CALENDAR SWAP	XA	0	0	-	0	0.0%	0	0	-
LLS (ARGUS) VS WTI SWAP	WJ	1,080	2,530	-57.3%	760	42.1%	16,539	44,420	-62.8%
LOS ANGELES CARB GASOLINE	MH	10	0	-	0	0.0%	10	0	-
MARS (ARGUS) VS WTI SWAP	YX	1,440	150	860.0%	1,615	-10.8%	12,820	18,700	-31.4%
MARS (ARGUS) VS WTI TRD M	YV	12,197	6,165	97.8%	18,752	-35.0%	131,584	171,635	-23.3%
MARS BLEND CRUDE OIL	MB	0	200	-100.0%	0	0.0%	0	2,319	-100.0%
MCCLOSKEY ARA ARGS COAL	MTF	35,161	21,320	64.9%	35,682	-1.5%	210,554	174,028	21.0%
MCCLOSKEY RCH BAY COAL	MFF	2,312	3,013	-23.3%	2,678	-13.7%	17,264	23,877	-27.7%
MGF FUT	MGF	0	0	0.0%	0	0.0%	0	130	-100.0%
MGN1 SWAP FUT	MGN	10	30	-66.7%	120	-91.7%	360	533	-32.5%
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	114	552	-79.3%	223	-48.9%	1,344	2,686	-50.0%
MINI RBOB V. EBOBARG NWE BRGS BALMO	MXR	0	851	-100.0%	560	-100.0%	3,500	2,660	31.6%
MINI RBOB V. EBOB(ARGUS) NWE BRGS	MXB	2,042	1,614	26.5%	2,381	-14.2%	16,882	11,459	47.3%
MJC FUT	MJC	0	50	-100.0%	0	0.0%	150	1,245	-88.0%
MNC FUT	MNC	3,232	3,792	-14.8%	3,904	-17.2%	28,633	26,217	9.2%



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Energy Futures									
MONT BELVIEU ETHANE 5 DECIMAL	C0	20,907	11,511	81.6%	18,473	13.2%	105,280	105,489	-0.2%
MONT BELVIEU ETHANE OPIS BALMO	8C	155	300	-48.3%	225	-31.1%	1,219	1,160	5.1%
MONT BELVIEU LDH PROPANE 5 DECIMAL	B0	162,351	93,989	72.7%	150,673	7.8%	1,012,471	852,220	18.8%
MONT BELVIEU LDH PROPANE OPIS BALMO	8O	1,653	2,472	-33.1%	3,520	-53.0%	22,071	20,626	7.0%
MONT BELVIEU NATURAL GASOLINE 5 DEC	7Q	9,154	4,528	102.2%	6,807	34.5%	56,835	58,803	-3.3%
MONT BELVIEU NATURAL GASOLINE BALMO	R0	865	215	302.3%	935	-7.5%	4,724	2,844	66.1%
MONT BELVIEU NORMAL BUTANE 5 DECIMAL	D0	51,174	39,530	29.5%	55,341	-7.5%	314,011	225,797	39.1%
MONT BELVIEU NORMAL BUTANE BALMO	8J	1,010	2,284	-55.8%	514	96.5%	9,144	7,496	22.0%
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	21,025	21,360	-1.6%	33,703	-37.6%	202,598	249,706	-18.9%
NEPOOL CNCTCT 5MW D AH O	P3	0	0	0.0%	0	0.0%	0	0	0.0%
NEPOOL CONECTIC 5MW D AH	P2	0	0	0.0%	0	0.0%	0	0	0.0%
NEPOOL INTR HUB 5MW D AH	H2	0	0	0.0%	0	0.0%	16,560	79,520	-79.2%
NEPOOL INTR HUB 5MW D AH	U6	0	0	0.0%	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	925	450	105.6%	1,077	-14.1%	5,449	9,636	-43.5%
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	95	-100.0%	0	0.0%	675	2,158	-68.7%
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%

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Energy Futures									
N ROCKIES PIPE SWAP	XR	0	0	0.0%	0	0.0%	0	0	0.0%
NY1% VS GC SPREAD SWAP	VR	488	1,918	-74.6%	180	171.1%	3,143	12,558	-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	200	-100.0%	0	0.0%	775	1,200	-35.4%
NY HARBOR 1% FUEL OIL BAL	VK	25	0	0.0%	0	0.0%	25	0	0.0%
NY HARBOR HEAT OIL SWP	MP	498	1,999	-75.1%	2,357	-78.9%	15,479	10,415	48.6%
NY HARBOR LOW SULPUR GAS 1000MBBL	NLS	0	0	0.0%	0	0.0%	390	2,695	-85.5%
NY HARBOR RESIDUAL FUEL 1	MM	502	887	-43.4%	427	17.6%	5,485	8,175	-32.9%
NY HARBOR RESIDUAL FUEL C	ML	0	0	-	0	0.0%	0	0	-
NYH NO 2 CRACK SPREAD CAL	HK	0	360	-100.0%	630	-100.0%	2,235	7,307	-69.4%
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	78	-100.0%	0	0.0%	240	246	-2.4%
NYISO CAPACITY	NNC	0	58	-100.0%	0	0.0%	0	465	-100.0%
NYISO CAPACITY	NRS	0	18	-100.0%	0	0.0%	60	215	-72.1%
NYISO G	KG	0	0	0.0%	0	-	0	0	0.0%
NYISO G OFF-PEAK	KH	0	0	0.0%	0	-	0	0	0.0%
NYISO J	KJ	0	0	0.0%	0	0.0%	0	0	0.0%
NYISO J OFF-PEAK	KK	0	0	0.0%	0	0.0%	0	0	0.0%
NYISO ZONE A 5MW D AH O P	K4	0	0	0.0%	0	0.0%	0	0	0.0%
NYISO ZONE A 5MW D AH PK	K3	0	0	0.0%	0	0.0%	0	0	0.0%
NYISO ZONE C 5MW D AH O P	A3	0	0	0.0%	0	-	0	0	0.0%
NYISO ZONE C 5MW D AH PK	Q5	0	0	0.0%	0	-	0	0	0.0%
NYISO ZONE G 5MW D AH O P	D2	0	0	0.0%	0	0.0%	46,384	578,534	-92.0%
NYISO ZONE G 5MW D AH PK	T3	6,375	0	0.0%	0	0.0%	8,174	18,284	-55.3%
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	77	79	-2.5%	177	-56.5%	1,495	213	601.9%
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%	0	0.0%	100	0	0.0%
PANHANDLE BASIS SWAP FUTU	PH	0	0	0.0%	0	0.0%	0	275	-100.0%

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Energy Futures									
PANHANDLE PIPE SWAP	XH	0	0	0.0%	0	0.0%	0	0	0.0%
PERMIAN BASIS SWAP	PM	0	0	0.0%	0	0.0%	0	0	0.0%
PETROCHEMICALS	22	179	176	1.7%	101	77.2%	1,166	1,116	4.5%
PETROCHEMICALS	32	132	64	106.3%	119	10.9%	791	1,175	-32.7%
PETROCHEMICALS	3NA	2	0	-	14	-85.7%	49	0	-
PETROCHEMICALS	51	60	0	0.0%	0	0.0%	77	23	234.8%
PETROCHEMICALS	8I	360	602	-40.2%	725	-50.3%	4,037	5,640	-28.4%
PETROCHEMICALS	91	370	222	66.7%	372	-0.5%	3,207	2,944	8.9%
PETROCHEMICALS	HPE	0	0	0.0%	0	-	0	0	0.0%
PETROCHEMICALS	MAA	30	0	0.0%	150	-80.0%	280	50	460.0%
PETROCHEMICALS	MAC	0	0	0.0%	0	-	0	0	0.0%
PETROCHEMICALS	MAE	769	298	158.1%	456	68.6%	2,339	1,378	69.7%
PETROCHEMICALS	MAS	275	110	150.0%	323	-14.9%	1,486	761	95.3%
PETROCHEMICALS	MBE	210	470	-55.3%	300	-30.0%	2,395	5,700	-58.0%
PETROCHEMICALS	MNB	410	1,454	-71.8%	287	42.9%	5,593	15,280	-63.4%
PETROCHEMICALS	MPS	108	90	20.0%	696	-84.5%	1,583	770	105.6%
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%	50	-100.0%	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	21	10	110.0%	25	-16.0%	232	509	-54.4%
PETRO CRCKS & SPRDS NA	CRB	7,150	2,090	242.1%	4,125	73.3%	46,665	9,220	406.1%
PETRO CRCKS & SPRDS NA	EXR	2,021	2,247	-10.1%	2,385	-15.3%	20,181	20,730	-2.6%
PETRO CRCKS & SPRDS NA	FOC	700	0	0.0%	150	366.7%	3,220	5,375	-40.1%
PETRO CRCKS & SPRDS NA	GBB	1,150	1,570	-26.8%	448	156.7%	4,968	8,735	-43.1%
PETRO CRCKS & SPRDS NA	GCC	0	150	-100.0%	0	0.0%	0	1,740	-100.0%
PETRO CRCKS & SPRDS NA	GCI	476	1,524	-68.8%	2,081	-77.1%	9,695	10,364	-6.5%
PETRO CRCKS & SPRDS NA	GCM	0	0	0.0%	0	0.0%	0	142	-100.0%
PETRO CRCKS & SPRDS NA	GCU	4,723	8,318	-43.2%	1,774	166.2%	23,763	93,784	-74.7%
PETRO CRCKS & SPRDS NA	GFC	0	15	-100.0%	0	0.0%	100	40	150.0%
PETRO CRCKS & SPRDS NA	HOB	110	60	83.3%	3,582	-96.9%	8,642	6,941	24.5%
PETRO CRCKS & SPRDS NA	KSD	0	0	0.0%	0	-	0	0	0.0%
PETRO CRCKS & SPRDS NA	MFR	0	0	-	0	0.0%	0	0	-
PETRO CRCKS & SPRDS NA	NFG	0	0	0.0%	0	0.0%	0	50	-100.0%
PETRO CRCKS & SPRDS NA	NYF	75	0	0.0%	0	0.0%	75	0	0.0%
PETRO CRCKS & SPRDS NA	NYH	0	0	0.0%	0	-	0	0	0.0%
PETRO CRCKS & SPRDS NA	RBB	2,182	3,616	-39.7%	7,201	-69.7%	57,544	38,419	49.8%

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Commodity		VOLUME JUL 2019	VOLUME JUL 2018	% CHG	VOLUME JUN 2019	% CHG	VOLUME Y.T.D 2019	VOLUME Y.T.D 2018	% CHG
Energy Futures									
PETRO CRCKS & SPRDS NA	RVG	11,810	12,057	-2.0%	14,405	-18.0%	102,118	123,897	-17.6%
PETRO CRCKS & SPRDS NA	SF3	101	33	206.1%	70	44.3%	694	321	116.2%
PETRO CRK&SPRD EURO	1NB	739	2,134	-65.4%	375	97.1%	9,433	13,498	-30.1%
PETRO CRK&SPRD EURO	1ND	0	0	0.0%	0	0.0%	0	100	-100.0%
PETRO CRK&SPRD EURO	43	3	435	-99.3%	27	-88.9%	155	2,768	-94.4%
PETRO CRK&SPRD EURO	BFR	0	0	0.0%	0	0.0%	60	0	0.0%
PETRO CRK&SPRD EURO	BOB	105	1,217	-91.4%	416	-74.8%	3,107	13,320	-76.7%
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	8	9	-11.1%	0	0.0%	23	188	-87.8%
PETRO CRK&SPRD EURO	EPN	602	708	-15.0%	543	10.9%	4,143	6,676	-37.9%
PETRO CRK&SPRD EURO	EVC	728	2,249	-67.6%	150	385.3%	3,064	16,461	-81.4%
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	135	0	0.0%	0	0.0%	417	680	-38.7%
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%	0	0.0%	120	80	50.0%
PETRO CRK&SPRD EURO	MUD	10	0	0.0%	60	-83.3%	80	163	-50.9%
PETRO CRK&SPRD EURO	NBB	0	10	-100.0%	0	0.0%	58	132	-56.1%
PETRO CRK&SPRD EURO	NOB	255	1,488	-82.9%	244	4.5%	3,180	11,545	-72.5%
PETRO CRK&SPRD EURO	SFB	0	15	-100.0%	0	0.0%	51	125	-59.2%
PETROLEUM PRODUCTS	1NM	110	0	-	100	10.0%	643	0	-
PETROLEUM PRODUCTS	EWB	0	0	0.0%	0	-	0	0	0.0%
PETROLEUM PRODUCTS	EWG	1,075	3,952	-72.8%	1,994	-46.1%	19,430	31,318	-38.0%
PETROLEUM PRODUCTS	JCC	0	0	-	0	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	R5F	9	0	-	0	-	9	0	-
PETROLEUM PRODUCTS	VU	50	116	-56.9%	0	0.0%	235	1,044	-77.5%
PETROLEUM PRODUCTS ASIA	E6M	0	150	-100.0%	18	-100.0%	68	564	-87.9%
PETROLEUM PRODUCTS ASIA	MJN	1,731	1,308	32.3%	1,530	13.1%	11,746	13,889	-15.4%
PETROLEUM PRODUCTS ASIA	MSB	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTRIGHT EURO	0B	10	20	-50.0%	60	-83.3%	168	84	100.0%
PETRO OUTRIGHT EURO	0C	0	0	0.0%	0	0.0%	15	0	0.0%

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Commodity		VOLUME JUL 2019	VOLUME JUL 2018	% CHG	VOLUME JUN 2019	% CHG	VOLUME Y.T.D 2019	VOLUME Y.T.D 2018	% CHG
Energy Futures									
PETRO OUTRIGHT EURO	0D	1,367	1,187	15.2%	1,464	-6.6%	9,952	9,745	2.1%
PETRO OUTRIGHT EURO	0E	20	30	-33.3%	5	300.0%	76	195	-61.0%
PETRO OUTRIGHT EURO	0F	338	353	-4.2%	227	48.9%	2,682	4,089	-34.4%
PETRO OUTRIGHT EURO	1T	0	6	-100.0%	0	0.0%	5	21	-76.2%
PETRO OUTRIGHT EURO	33	0	0	0.0%	0	0.0%	0	0	0.0%
PETRO OUTRIGHT EURO	5L	0	10	-100.0%	10	-100.0%	203	214	-5.1%
PETRO OUTRIGHT EURO	63	0	25	-100.0%	10	-100.0%	15	167	-91.0%
PETRO OUTRIGHT EURO	6L	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTRIGHT EURO	7I	50	120	-58.3%	75	-33.3%	644	582	10.7%
PETRO OUTRIGHT EURO	7R	44	236	-81.4%	51	-13.7%	1,125	2,142	-47.5%
PETRO OUTRIGHT EURO	88	25	0	0.0%	0	0.0%	25	105	-76.2%
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	137	10	1,270.0%	288	-52.4%	1,777	3,009	-40.9%
PETRO OUTRIGHT EURO	EFF	0	0	0.0%	6	-100.0%	116	101	14.9%
PETRO OUTRIGHT EURO	EFM	0	0	0.0%	6	-100.0%	31	0	0.0%
PETRO OUTRIGHT EURO	ENS	0	0	0.0%	36	-100.0%	131	65	101.5%
PETRO OUTRIGHT EURO	ESB	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTRIGHT EURO	EWN	208	665	-68.7%	380	-45.3%	3,827	4,847	-21.0%
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	60	0	-	0	0.0%	120	0	-
PETRO OUTRIGHT EURO	MBB	0	10	-100.0%	0	0.0%	0	171	-100.0%
PETRO OUTRIGHT EURO	MBN	240	250	-4.0%	216	11.1%	2,302	7,969	-71.1%
PETRO OUTRIGHT EURO	MEF	227	0	-	352	-35.5%	2,398	0	-
PETRO OUTRIGHT EURO	R53	6	0	-	24	-75.0%	54	0	-
PETRO OUTRIGHT EURO	R5M	71	0	-	183	-61.2%	514	0	-
PETRO OUTRIGHT EURO	R5O	5	0	-	10	-50.0%	136	0	-
PETRO OUTRIGHT EURO	S5M	126	0	-	52	142.3%	230	0	-
PETRO OUTRIGHT EURO	SMU	500	0	0.0%	0	0.0%	625	328	90.5%
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	-



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Commodity		VOLUME JUL 2019	VOLUME JUL 2018	% CHG	VOLUME JUN 2019	% CHG	VOLUME Y.T.D 2019	VOLUME Y.T.D 2018	% CHG
Energy Futures									
PETRO OUTRIGHT NA	FCB	230	57	303.5%	32	618.8%	426	560	-23.9%
PETRO OUTRIGHT NA	FOM	0	0	0.0%	0	0.0%	0	0	0.0%
PETRO OUTRIGHT NA	JE	0	0	0.0%	60	-100.0%	60	69	-13.0%
PETRO OUTRIGHT NA	JET	2,425	1,650	47.0%	2,880	-15.8%	18,080	14,880	21.5%
PETRO OUTRIGHT NA	JTB	950	625	52.0%	125	660.0%	5,275	3,710	42.2%
PETRO OUTRIGHT NA	MBL	0	0	0.0%	0	0.0%	0	40	-100.0%
PETRO OUTRIGHT NA	MEN	68	517	-86.8%	236	-71.2%	1,316	2,933	-55.1%
PETRO OUTRIGHT NA	MEO	3,269	3,618	-9.6%	2,176	50.2%	18,933	27,560	-31.3%
PETRO OUTRIGHT NA	MFD	10	0	0.0%	285	-96.5%	295	100	195.0%
PETRO OUTRIGHT NA	MMF	65	0	0.0%	84	-22.6%	672	55	1,121.8%
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	0	0	0.0%	23,700	-100.0%	117,180	28,032	318.0%
PJM AD HUB 5MW REAL TIME	Z9	0	5,140	-100.0%	0	0.0%	2,560	12,653	-79.8%
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%	0	0.0%	1,285	5,100	-74.8%
PJM NI HUB 5MW REAL TIME	B6	0	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%

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Energy Futures									
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%
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	0	0.0%	23,700	-100.0%	47,100	294,000	-84.0%
PJM WESTH RT PEAK	L1	514	3,830	-86.6%	6,656	-92.3%	47,090	43,179	9.1%
PLASTICS	PGP	620	90	588.9%	435	42.5%	5,180	2,544	103.6%
PREMIUM UNLD 10P FOB MED	3G	33	326	-89.9%	30	10.0%	773	1,859	-58.4%
PREMIUM UNLEAD 10PPM FOB	8G	15	31	-51.6%	0	0.0%	33	355	-90.7%
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	6	-100.0%	0	0.0%	30	70	-57.1%
PROPANE NON-LDH MB (OPIS) BALMO SWP	1S	1,343	510	163.3%	1,482	-9.4%	11,074	3,691	200.0%
PROPANE NON-LDH MT. BEL (OPIS) SWP	1R	30,094	8,600	249.9%	16,233	85.4%	134,764	81,132	66.1%
RBOB CALENDAR SWAP	RL	4,083	10,131	-59.7%	5,671	-28.0%	44,169	39,992	10.4%
RBOB CRACK SPREAD	RM	560	960	-41.7%	1,520	-63.2%	8,725	9,153	-4.7%
RBOB CRACK SPREAD BALMO S	1E	0	0	0.0%	0	0.0%	25	0	0.0%
RBOB GASOLINE BALMO CLNDR	1D	821	374	119.5%	1,117	-26.5%	7,044	8,167	-13.8%
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	1,975	-96.2%
SAN JUAN BASIS SWAP	NJ	0	27	-100.0%	0	0.0%	0	58	-100.0%
SAN JUAN PIPE SWAP	XX	0	0	0.0%	0	0.0%	0	360	-100.0%
SINGAPORE 180CST BALMO	BS	15	55	-72.7%	5	200.0%	93	390	-76.2%
SINGAPORE 380CST BALMO	BT	343	323	6.2%	26	1,219.2%	593	1,526	-61.1%
SINGAPORE 380CST FUEL OIL	SE	2,649	7,996	-66.9%	3,293	-19.6%	21,903	61,763	-64.5%
SINGAPORE FUEL 180CST CAL	UA	267	812	-67.1%	253	5.5%	2,047	6,654	-69.2%
SINGAPORE FUEL OIL SPREAD	SD	75	140	-46.4%	87	-13.8%	435	5,451	-92.0%
SINGAPORE GASOIL	MAF	2,442	0	-	1,508	61.9%	12,689	0	-
SINGAPORE GASOIL	MTB	25	46	-45.7%	61	-59.0%	329	425	-22.6%
SINGAPORE GASOIL	MTS	4,657	4,697	-0.9%	3,770	23.5%	26,397	33,982	-22.3%
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	270	0	0.0%	0	0.0%	270	0	0.0%
SINGAPORE GASOIL CALENDAR	MGO	0	0	0.0%	0	0.0%	0	200	-100.0%

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Energy Futures									
SINGAPORE GASOIL CALENDAR	MSG	257	0	0.0%	105	144.8%	1,225	4,199	-70.8%
SINGAPORE GASOIL CALENDAR	SGG	0	0	0.0%	0	0.0%	0	325	-100.0%
SINGAPORE GASOIL SWAP	SG	908	2,400	-62.2%	1,109	-18.1%	7,496	29,103	-74.2%
SINGAPORE GASOIL VS ICE	GA	150	8,381	-98.2%	0	0.0%	4,490	101,441	-95.6%
SINGAPORE JET KERO BALMO	BX	0	0	0.0%	0	0.0%	0	215	-100.0%
SINGAPORE JET KERO GASOIL	RK	0	4,000	-100.0%	0	0.0%	100	28,845	-99.7%
SINGAPORE JET KEROSENE SW	KS	425	75	466.7%	880	-51.7%	4,290	7,065	-39.3%
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	620	-91.9%	50	0.0%	1,475	3,183	-53.7%
SINGAPORE MOGAS 92 UNLEADED SWP	1N	5,867	11,300	-48.1%	4,892	19.9%	81,691	101,540	-19.5%
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	95	-100.0%
SOCAL PIPE SWAP	XN	0	0	0.0%	0	-	0	0	0.0%
SONAT BASIS SWAP FUTURE	SZ	0	0	0.0%	0	-	0	0	0.0%
SOUTH STAR TEX OKLHM KNS	8Z	0	0	0.0%	0	0.0%	0	0	0.0%
Sumas Basis Swap	NK	0	0	0.0%	0	0.0%	0	91	-100.0%
SUMAS NAT GAS PLATTS FIXED PRICE	DVS	0	0	0.0%	0	-	0	0	0.0%
TC2 ROTTERDAM TO USAC 37K	TM	546	0	0.0%	314	73.9%	1,970	548	259.5%
TC5 RAS TANURA TO YOKOHAM	TH	530	0	0.0%	206	157.3%	2,481	240	933.8%
TCO BASIS SWAP	TC	0	0	0.0%	0	0.0%	0	0	0.0%
TCO NG INDEX SWAP	Q1	0	0	0.0%	0	-	0	0	0.0%
TD3 MEG TO JAPAN 250K MT	TL	6,760	1,650	309.7%	6,260	8.0%	34,981	6,620	428.4%
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	10	-100.0%	0	0.0%	20	60	-66.7%

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Commodity		VOLUME JUL 2019	VOLUME JUL 2018	% CHG	VOLUME JUN 2019	% CHG	VOLUME Y.T.D 2019	VOLUME Y.T.D 2018	% CHG
Energy Futures									
UK NBP NAT GAS CAL MTH FUT	UKG	150	6,342	-97.6%	0	0.0%	3,299	39,376	-91.6%
ULSD 10PPM CIF MED SWAP	Z6	0	0	0.0%	0	-	0	0	0.0%
ULSD 10PPM CIF MED VS ICE	Z7	0	0	0.0%	0	0.0%	0	14	-100.0%
ULSD 10PPM CIF NW BALMO S	B1	0	0	0.0%	0	-	0	0	0.0%
ULSD UP-DOWN BALMO SWP	1L	5,070	4,080	24.3%	4,600	10.2%	37,615	35,525	5.9%
UP DOWN GC ULSD VS NMX HO	LT	27,797	24,917	11.6%	32,158	-13.6%	201,791	220,657	-8.5%
WAHA BASIS	NW	0	0	0.0%	0	0.0%	650	3,201	-79.7%
WAHA INDEX SWAP FUTURE	IY	0	0	0.0%	0	-	0	0	0.0%
WESTERN RAIL DELIVERY PRB	QP	0	10	-100.0%	0	0.0%	0	25	-100.0%
WTI-BRENT BULLET SWAP	BY	550	0	0.0%	0	0.0%	1,414	6,650	-78.7%
WTI-BRENT CALENDAR SWAP	BK	36,248	24,687	46.8%	38,949	-6.9%	256,227	236,514	8.3%
WTI CALENDAR	CS	36,849	23,613	56.1%	28,367	29.9%	297,566	228,619	30.2%
WTS (ARGUS) VS WTI SWAP	FF	3,750	6,662	-43.7%	4,090	-8.3%	34,672	54,919	-36.9%
WTS (ARGUS) VS WTI TRD MT	FH	0	1,620	-100.0%	175	-100.0%	4,933	3,570	38.2%
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	0	440	-100.0%	690	-100.0%	3,030	4,745	-36.1%
BRENT CRUDE OIL 12 M CSO	9Y	0	0	0.0%	0	0.0%	0	2,000	-100.0%
BRENT CRUDE OIL 1 M CSO	9C	2,540	2,800	-9.3%	1,500	69.3%	35,190	374,338	-90.6%
BRENT CRUDE OIL 6 M CSO	9L	0	0	0.0%	0	0.0%	0	1,000	-100.0%
BRENT OIL LAST DAY	BE	24,460	73,346	-66.7%	28,520	-14.2%	297,279	248,409	19.7%
BRENT OIL LAST DAY	BZO	74,938	176,722	-57.6%	100,602	-25.5%	704,549	920,927	-23.5%
BRENT OIL LAST DAY	OS	0	0	0.0%	0	0.0%	0	1,090	-100.0%
COAL API2 INDEX	CLA	50	680	-92.6%	25	100.0%	210	4,905	-95.7%
COAL API2 INDEX	CQA	150	425	-64.7%	0	0.0%	660	3,305	-80.0%
COAL API2 INDEX	MTC	0	0	0.0%	0	-	0	0	0.0%
COAL API4 INDEX	RLA	0	0	0.0%	0	0.0%	0	25	-100.0%
COAL API4 INDEX	RQA	0	0	0.0%	0	0.0%	0	60	-100.0%
COAL SWAP	CPF	0	0	0.0%	0	0.0%	0	0	0.0%
COAL SWAP	RPF	0	0	0.0%	0	0.0%	0	0	0.0%
CRUDE OIL	6Y	0	0	-	0	0.0%	150	0	-
CRUDE OIL 1MO	WA	250,925	240,900	4.2%	91,750	173.5%	1,652,336	1,603,010	3.1%
CRUDE OIL APO	AO	36,148	13,742	163.0%	47,657	-24.1%	345,189	339,765	1.6%



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Energy Options									
CRUDE OIL CALNDR STRIP	6F	0	0	0.0%	0	0.0%	200	170	17.6%
CRUDE OIL OUTRIGHTS	AH	0	0	0.0%	0	0.0%	0	0	0.0%
CRUDE OIL OUTRIGHTS	DBP	0	0	0.0%	0	-	0	0	0.0%
CRUDE OIL OUTRIGHTS	WCI	0	0	0.0%	0	0.0%	960	0	0.0%
CRUDE OIL PHY	CD	0	175	-100.0%	0	0.0%	1,150	17,800	-93.5%
CRUDE OIL PHY	LC	9,315	1,799	417.8%	11,482	-18.9%	74,603	67,154	11.1%
CRUDE OIL PHY	LO	2,519,080	3,041,132	-17.2%	3,289,771	-23.4%	18,812,848	25,235,556	-25.5%
CRUDE OIL PHY	LO1	15,220	16,623	-8.4%	11,897	27.9%	112,464	97,148	15.8%
CRUDE OIL PHY	LO2	12,449	15,483	-19.6%	9,050	37.6%	107,314	107,341	0.0%
CRUDE OIL PHY	LO3	12,436	13,568	-8.3%	17,943	-30.7%	67,855	70,644	-3.9%
CRUDE OIL PHY	LO4	12,559	12,220	2.8%	19,750	-36.4%	114,517	106,794	7.2%
CRUDE OIL PHY	LO5	0	0	0.0%	0	0.0%	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	15,793	3,470	355.1%	9,778	61.5%	68,388	54,505	25.5%
ETHANOL SWAP	GVR	0	120	-100.0%	0	0.0%	780	2,193	-64.4%
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	390	10	3,800.0%	264	47.7%	1,402	750	86.9%
HEATING OIL PHY	OH	25,393	28,188	-9.9%	38,241	-33.6%	203,796	215,709	-5.5%
HENRY HUB FINANCIAL LAST	E7	4,100	6,477	-36.7%	2,701	51.8%	46,023	27,248	68.9%
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	0	0.0%	0	0.0%	130	255	-49.0%
MCCLOSKEY RCH BAY COAL	MFO	200	30	566.7%	300	-33.3%	870	1,905	-54.3%
NATURAL GAS	G10	0	0	0.0%	0	-	0	0	0.0%
NATURAL GAS 1 M CSO FIN	G4	82,050	18,037	354.9%	13,300	516.9%	289,325	255,682	13.2%
NATURAL GAS 2 M CSO FIN	G2	1,250	200	525.0%	550	127.3%	3,625	1,200	202.1%
NATURAL GAS 3 M CSO FIN	G3	34,650	3,150	1,000.0%	38,650	-10.3%	119,000	38,046	212.8%
NATURAL GAS 5 M CSO FIN	G5	0	0	0.0%	850	-100.0%	1,100	2,550	-56.9%
NATURAL GAS 6 M CSO FIN	G6	1,800	1,600	12.5%	1,250	44.0%	35,525	69,250	-48.7%
NATURAL GAS OPTION ON CALENDAR STRP	6J	6,260	1,800	247.8%	800	682.5%	15,360	21,308	-27.9%

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Energy Options									
NATURAL GAS PHY	KD	3,211	10,749	-70.1%	4,340	-26.0%	16,846	149,580	-88.7%
NATURAL GAS PHY	LN	1,535,832	1,180,551	30.1%	1,502,464	2.2%	10,027,775	12,140,881	-17.4%
NATURAL GAS PHY	ON	129,660	136,509	-5.0%	124,266	4.3%	872,348	1,207,340	-27.7%
NATURAL GAS WINTER STRIP	6I	0	0	-	0	0.0%	1,300	0	-
N ROCKIES PIPE SWAP	ZR	960	112	757.1%	546	75.8%	3,078	1,072	187.1%
NY HARBOR HEAT OIL SWP	AT	462	1,001	-53.8%	3,457	-86.6%	15,484	18,188	-14.9%
NYISO ZONE G 5MW PEAK OPTIONS	9U	0	0	0.0%	0	0.0%	0	0	0.0%
NYMEX EUROPEAN GASOIL APO	F7	0	0	0.0%	0	-	0	0	0.0%
PANHANDLE PIPE SWAP	PU	0	0	0.0%	0	0.0%	0	0	0.0%
PETROCHEMICALS	4H	38	475	-92.0%	2,711	-98.6%	4,613	3,641	26.7%
PETROCHEMICALS	4J	0	0	0.0%	0	0.0%	200	1,350	-85.2%
PETROCHEMICALS	4K	0	1,900	-100.0%	0	0.0%	160	2,100	-92.4%
PETROCHEMICALS	CPR	0	0	0.0%	0	0.0%	40	0	0.0%
PETRO OUTRIGHT EURO	8H	0	0	0.0%	0	0.0%	0	0	0.0%
PETRO OUTRIGHT EURO	BCO	0	0	-	0	0.0%	24	0	-
PETRO OUTRIGHT NA	DAP	120	0	0.0%	120	0.0%	240	0	0.0%
PJM WES HUB PEAK CAL MTH	6OA	100	0	0.0%	380	-73.7%	640	310	106.5%
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	92	-100.0%	0	0.0%	836	6,414	-87.0%
RBOB 1MO CAL SPD OPTIONS	ZA	0	0	0.0%	0	0.0%	150	700	-78.6%
RBOB CALENDAR SWAP	RA	120	0	0.0%	24	400.0%	381	965	-60.5%
RBOB CRACK	RX	0	0	-	0	0.0%	0	0	-
RBOB PHY	OB	11,600	8,850	31.1%	17,353	-33.2%	114,781	83,487	37.5%
RBOB PHY	RF	600	0	0.0%	12	4,900.0%	1,624	125	1,199.2%
ROTTERDAM 3.5%FUEL OIL CL	Q6	0	0	0.0%	0	0.0%	0	0	0.0%
SAN JUAN PIPE SWAP	PJ	604	336	79.8%	364	65.9%	1,878	1,758	6.8%
SHORT TERM	C15	0	0	-	0	0.0%	0	0	-
SHORT TERM	U11	450	210	114.3%	0	0.0%	700	1,236	-43.4%
SHORT TERM	U12	100	250	-60.0%	0	0.0%	800	835	-4.2%
SHORT TERM	U13	0	0	0.0%	150	-100.0%	150	100	50.0%
SHORT TERM	U14	0	0	0.0%	0	0.0%	50	813	-93.8%
SHORT TERM	U15	350	0	0.0%	0	0.0%	1,175	777	51.2%
SHORT TERM	U22	0	0	0.0%	0	0.0%	1	1,191	-99.9%
SHORT TERM	U23	0	15	-100.0%	0	0.0%	17	595	-97.1%
SHORT TERM	U24	100	0	0.0%	150	-33.3%	250	426	-41.3%
SHORT TERM	U25	0	0	0.0%	0	0.0%	0	102	-100.0%



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Energy Options									
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%
SHORT TERM NATURAL GAS	U02	0	0	0.0%	0	0.0%	0	1,445	-100.0%
SHORT TERM NATURAL GAS	U03	200	570	-64.9%	0	0.0%	604	1,325	-54.4%
SHORT TERM NATURAL GAS	U04	0	0	0.0%	0	0.0%	600	950	-36.8%
SHORT TERM NATURAL GAS	U05	0	0	0.0%	0	0.0%	200	810	-75.3%
SHORT TERM NATURAL GAS	U06	0	225	-100.0%	355	-100.0%	405	875	-53.7%
SHORT TERM NATURAL GAS	U07	0	0	0.0%	0	0.0%	600	1,601	-62.5%
SHORT TERM NATURAL GAS	U08	100	0	0.0%	0	0.0%	600	1,375	-56.4%
SHORT TERM NATURAL GAS	U09	150	800	-81.3%	0	0.0%	250	1,534	-83.7%
SHORT TERM NATURAL GAS	U10	250	250	0.0%	0	0.0%	250	950	-73.7%
SHORT TERM NATURAL GAS	U16	100	103	-2.9%	0	0.0%	200	700	-71.4%
SHORT TERM NATURAL GAS	U17	150	13	1,053.8%	0	0.0%	150	2,293	-93.5%
SHORT TERM NATURAL GAS	U18	100	0	0.0%	0	0.0%	125	1,372	-90.9%
SHORT TERM NATURAL GAS	U19	0	38	-100.0%	0	0.0%	0	223	-100.0%
SHORT TERM NATURAL GAS	U20	0	210	-100.0%	300	-100.0%	300	510	-41.2%
SHORT TERM NATURAL GAS	U21	0	0	0.0%	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	0	0.0%	0	0.0%	0	460	-100.0%
SHORT TERM NATURAL GAS	U30	0	0	0.0%	0	0.0%	200	100	100.0%
SHORT TERM NATURAL GAS	U31	350	0	0.0%	0	0.0%	1,200	25	4,700.0%
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	29,500	35,065	-15.9%	34,650	-14.9%	346,080	719,767	-51.9%
WTI CRUDE OIL 1 M CSO FI	7A	20,030	53,550	-62.6%	55,550	-63.9%	385,295	548,600	-29.8%
Metals Futures									
COMEX GOLD	GC	9,490,344	7,231,169	31.2%	7,308,583	29.9%	46,005,859	51,578,290	-10.8%
NYMEX HOT ROLLED STEEL	HR	13,715	10,861	26.3%	14,031	-2.3%	125,338	66,810	87.6%
NYMEX PLATINUM	PL	444,188	393,517	12.9%	593,552	-25.2%	3,230,943	3,215,712	0.5%
PALLADIUM	PA	79,652	98,611	-19.2%	74,368	7.1%	748,201	829,235	-9.8%
URANIUM	UX	300	521	-42.4%	1,234	-75.7%	9,384	1,964	377.8%

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Metals Futures									
COMEX SILVER	SI	2,086,973	1,582,406	31.9%	2,651,220	-21.3%	12,863,116	14,581,337	-11.8%
COMEX E-Mini GOLD	QO	31,114	11,516	170.2%	24,735	25.8%	99,382	52,196	90.4%
COMEX E-Mini SILVER	QI	4,349	1,123	287.3%	5,520	-21.2%	26,372	8,566	207.9%
COMEX COPPER	HG	1,875,657	2,833,195	-33.8%	2,257,064	-16.9%	14,664,083	20,379,267	-28.0%
COMEX MINY COPPER	QC	703	360	95.3%	1,022	-31.2%	4,612	3,540	30.3%
ALUMINUM	A38	0	0	0.0%	0	0.0%	22	0	0.0%
ALUMINUM	AEP	2,065	710	190.8%	360	473.6%	11,130	11,510	-3.3%
ALUMINUM	ALA	0	965	-100.0%	0	0.0%	240	4,965	-95.2%
ALUMINUM	ALI	350	0	0.0%	0	0.0%	350	0	0.0%
ALUMINUM	AUP	7,054	5,201	35.6%	1,633	332.0%	41,671	71,314	-41.6%
ALUMINUM	CUP	0	0	0.0%	0	0.0%	0	205	-100.0%
ALUMINUM	EDP	3,840	1,590	141.5%	850	351.8%	14,854	10,247	45.0%
ALUMINUM	MJP	2,680	520	415.4%	0	0.0%	6,880	8,375	-17.9%
COPPER	HGS	127	0	0.0%	95	33.7%	5,871	10,639	-44.8%
E-MICRO GOLD	MGC	608,677	126,651	380.6%	491,048	24.0%	2,077,415	906,697	129.1%
FERROUS PRODUCTS	BUS	668	744	-10.2%	1,317	-49.3%	8,335	11,199	-25.6%
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	3,835	4,842	-20.8%	3,755	2.1%	42,624	27,371	55.7%
LNDN ZINC	ZNC	0	1,538	-100.0%	36	-100.0%	1,230	2,831	-56.6%
SILVER	SIL	23,306	6,645	250.7%	18,580	25.4%	118,812	51,187	132.1%
Metals Options									
COMEX COPPER	HX	49,537	35,140	41.0%	66,693	-25.7%	423,353	171,877	146.3%
COMEX GOLD	OG	1,546,529	926,919	66.8%	2,102,415	-26.4%	8,396,124	6,701,998	25.3%
COMEX SILVER	SO	249,760	143,979	73.5%	186,487	33.9%	1,050,412	1,068,168	-1.7%
COPPER	H1E	24	13	84.6%	15	60.0%	156	13	1,100.0%
COPPER	H2E	87	47	85.1%	49	77.6%	405	54	650.0%
COPPER	H3E	10	0	0.0%	24	-58.3%	89	5	1,680.0%
COPPER	H4E	10	80	-87.5%	52	-80.8%	105	116	-9.5%
COPPER	H5E	0	0	-	0	0.0%	20	0	-
GOLD	OG1	73,411	15,397	376.8%	81,532	-10.0%	266,676	74,815	256.4%
GOLD	OG2	48,588	12,973	274.5%	40,081	21.2%	216,346	63,295	241.8%
GOLD	OG3	42,269	14,126	199.2%	30,942	36.6%	164,048	75,060	118.6%



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Metals Options									
GOLD	OG4	17,200	7,159	140.3%	42,457	-59.5%	118,231	42,666	177.1%
GOLD	OG5	0	0	0.0%	0	0.0%	28,663	15,375	86.4%
HOT ROLLED COIL STEEL CALL OPTION	HRO	300	0	0.0%	0	0.0%	900	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	0	0.0%	0	0.0%	3,600	1,280	181.3%
NYMEX PLATINUM	PO	1,149	6,756	-83.0%	4,719	-75.7%	25,067	28,366	-11.6%
PALLADIUM	PAO	469	2,055	-77.2%	1,712	-72.6%	8,804	21,222	-58.5%
SILVER	SO1	2,428	1,139	113.2%	3,134	-22.5%	10,612	2,345	352.5%
SILVER	SO2	1,948	581	235.3%	1,569	24.2%	7,651	1,793	326.7%
SILVER	SO3	860	1,507	-42.9%	994	-13.5%	7,293	3,274	122.8%
SILVER	SO4	459	274	67.5%	1,094	-58.0%	3,684	1,250	194.7%
SILVER	SO5	0	0	0.0%	0	0.0%	1,867	1,181	58.1%
TOTAL FUTURES GROUP									
Ag Products Futures		14	0	0.0%	24	-41.7%	47	65	-27.7%
Energy Futures		43,131,000	40,835,855	5.6%	44,049,993	-2.1%	312,570,682	337,392,571	-7.4%
Metals Futures		14,679,597	12,312,685	19.2%	13,449,003	9.2%	80,106,724	91,833,593	-12.8%
TOTAL FUTURES		57,810,611	53,148,540	8.8%	57,499,020	0.5%	392,677,453	429,226,229	-8.5%
TOTAL OPTIONS GROUP									
Energy Options		4,877,393	5,105,011	-4.5%	5,484,513	-11.1%	34,959,842	44,846,510	-22.0%
Metals Options		2,035,038	1,168,145	74.2%	2,563,969	-20.6%	10,740,766	8,274,353	29.8%
TOTAL OPTIONS		6,912,431	6,273,156	10.2%	8,048,482	-14.1%	45,700,608	53,120,863	-14.0%



NYMEX/COMEX Exchange Volume Report - Monthly

Commodity	VOLUME JUL 2019	VOLUME JUL 2018	% CHG	VOLUME JUN 2019	% CHG	VOLUME Y.T.D 2019	VOLUME Y.T.D 2018	% CHG
TOTAL COMBINED								
Ag Products	14	0	0.0%	24	-41.7%	47	65	-27.7%
Energy	48,008,393	45,940,866	4.5%	49,534,506	-3.1%	347,530,524	382,239,081	-9.1%
Metals	16,714,635	13,480,830	24.0%	16,012,972	4.4%	90,847,490	100,107,946	-9.3%
GRAND TOTAL	64,723,042	59,421,696	8.9%	65,547,502	-1.3%	438,378,061	482,347,092	-9.1%