

NYMEX/COMEX Exchange Volume Report - Monthly

Commodity		VOLUME AUG 2019	VOLUME AUG 2018	% CHG	VOLUME JUL 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%	8	5	60.0%
COFFEE	KT	0	0	0.0%	0	-	0	0	0.0%
COTTON	TT	1	2	-50.0%	14	-92.9%	30	4	650.0%
SUGAR 11	YO	0	0	0.0%	0	0.0%	10	58	-82.8%
Energy Futures									
CRUDE OIL PHY	CL	27,901,738	19,661,056	41.9%	22,825,340	22.2%	202,803,333	210,513,741	-3.7%
CRUDE OIL	WS	0	500	-100.0%	0	0.0%	16,694	15,639	6.7%
MINY WTI CRUDE OIL	QM	530,406	310,323	70.9%	550,243	-3.6%	3,739,038	2,690,332	39.0%
BRENT OIL LAST DAY	BZ	2,263,777	1,211,004	86.9%	2,007,392	12.8%	17,384,488	14,061,245	23.6%
HEATING OIL PHY	HO	3,379,134	3,566,048	-5.2%	3,082,273	9.6%	26,696,710	31,115,863	-14.2%
HTG OIL	BH	0	0	0.0%	48	-100.0%	96	84	14.3%
MINY HTG OIL	QH	3	7	-57.1%	3	0.0%	26	29	-10.3%
RBOB PHY	RB	3,663,823	4,858,921	-24.6%	4,235,311	-13.5%	34,884,158	33,728,168	3.4%
MINY RBOB GAS	QU	13	5	160.0%	6	116.7%	56	28	100.0%
NATURAL GAS	HP	110,025	71,377	54.1%	100,821	9.1%	876,404	890,036	-1.5%
LTD NAT GAS	HH	220,673	312,724	-29.4%	272,857	-19.1%	2,419,110	2,701,701	-10.5%
MINY NATURAL GAS	QG	34,885	17,133	103.6%	33,478	4.2%	226,069	203,155	11.3%
PJM MONTHLY	JM	0	0	0.0%	0	0.0%	0	0	0.0%
NATURAL GAS PHY	NG	9,283,257	8,461,994	9.7%	9,037,161	2.7%	63,232,213	70,144,990	-9.9%
RBOB GAS	RT	0	0	0.0%	12	-100.0%	72	14,374	-99.5%
3.5% FUEL OIL CID MED SWA	7D	16	60	-73.3%	3	433.3%	97	512	-81.1%
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	720	15,010	-95.2%	2,505	-71.3%	73,466	187,111	-60.7%
ARGUS PROPAN FAR EST INDE	7E	6,872	5,486	25.3%	5,444	26.2%	49,853	45,787	8.9%
ARGUS PROPAN(SAUDI ARAMCO	9N	3,559	3,403	4.6%	2,522	41.1%	23,463	20,554	14.2%



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Energy Futures									
AUSTRALIAN COKE COAL	ACT	0	0	0.0%	0	0.0%	0	20	-100.0%
AUSTRALIAN COKE COAL	ALW	0	0	0.0%	0	0.0%	0	0	0.0%
BRENT BALMO SWAP	J9	352	0	0.0%	50	604.0%	1,315	185	610.8%
BRENT CALENDAR SWAP	CY	9,902	2,997	230.4%	12,224	-19.0%	58,186	27,989	107.9%
BRENT CFD SWAP	6W	0	0	0.0%	0	0.0%	0	300	-100.0%
BRENT FINANCIAL FUTURES	BB	0	1,000	-100.0%	0	0.0%	7,000	14,264	-50.9%
BRENT FINANCIAL FUTURES	MBC	450	0	0.0%	237	89.9%	769	127	505.5%
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	91,961	111,631	-17.6%	96,231	-4.4%	841,475	803,867	4.7%
CHICAGO ULSD (PLATTS) SWA	4C	0	0	0.0%	0	-	0	0	0.0%
CHICAGO ULSD PL VS HO SPR	5C	270	586	-53.9%	365	-26.0%	4,484	3,120	43.7%
CHICAGO UNL GAS PL VS RBO	3C	50	200	-75.0%	245	-79.6%	1,170	950	23.2%
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	424	1,214	-65.1%	688	-38.4%	4,294	10,010	-57.1%
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	230	41.3%
COAL SWAP	ACM	0	15	-100.0%	0	0.0%	0	465	-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	570	183	211.5%	50	1,040.0%	1,803	1,497	20.4%
CONWAY NORMAL BUTANE (OPIS) SWAP	8M	760	110	590.9%	335	126.9%	3,556	2,536	40.2%
CONWAY PROPANE 5 DECIMALS SWAP	8K	14,126	19,614	-28.0%	13,696	3.1%	122,820	130,544	-5.9%
CRUDE OIL	LPS	2,835	3,900	-27.3%	2,100	35.0%	22,660	37,855	-40.1%
CRUDE OIL OUTRIGHTS	42	50	98	-49.0%	42	19.0%	3,101	1,895	63.6%
CRUDE OIL OUTRIGHTS	CC5	120	0	0.0%	621	-80.7%	3,191	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	272	1,560	-82.6%	0	0.0%	3,192	1,565	104.0%
CRUDE OIL OUTRIGHTS	DBL	0	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	38,902	35,150	10.7%	63,946	-39.2%	458,646	407,568	12.5%
CRUDE OIL OUTRIGHTS	LSW	30	30	0.0%	0	0.0%	3,168	320	890.0%
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	1,610	2,360	-31.8%	1,535	4.9%	33,904	56,310	-39.8%
CRUDE OIL PHY	CLL	0	0	0.0%	0	0.0%	0	0	0.0%
CRUDE OIL PHY	HCL	12,616	0	-	12,830	-1.7%	155,891	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	13,150	22,628	-41.9%	29,995	-56.2%	179,430	366,144	-51.0%
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	0	0.0%	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	125	875	-85.7%	490	-74.5%	17,663	14,902	18.5%
DUTCH TTF NATURAL GAS CAL MONTH FUT	TTF	9,459	417	2,168.3%	17,365	-45.5%	68,701	7,597	804.3%
DY EURO 3.5% FUEL OI RDA	FOR	0	0	0.0%	0	-	0	0	0.0%
EASTERN RAIL DELIVERY CSX	QX	0	0	0.0%	0	0.0%	0	245	-100.0%
EAST/WEST FUEL OIL SPREAD	EW	0	0	0.0%	10	-100.0%	20	187	-89.3%
EIA FLAT TAX ONHWAY DIESE	A5	119	206	-42.2%	389	-69.4%	2,761	1,686	63.8%
ELEC ERCOT DLY OFF PK	14	0	0	0.0%	0	0.0%	0	0	0.0%
ELEC ERCOT DLY PEAK	13	0	0	0.0%	0	0.0%	0	0	0.0%
ELEC ERCOT DLY PEAK	17	0	0	0.0%	0	0.0%	0	0	0.0%
ELEC ERCOT OFF PEAK	12	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	11	0	0	0.0%	0	0.0%	0	1,950	-100.0%
ERCOT NORTH ZMCPE 5MW OFFPEAK	18	0	0	0.0%	0	0.0%	0	0	0.0%
ERCOT NORTH ZMCPE 5MW OFFPEAK SWAP	16	0	0	0.0%	0	0.0%	0	19,600	-100.0%
ERCOT NORTH ZMCPE 5MW PEAK	15	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	20	20	0.0%	10	100.0%	550	270	103.7%
ETHANOL T2 FOB ROTT INCL DUTY SWAP	Z1	2,983	2,833	5.3%	1,879	58.8%	26,461	23,443	12.9%
EURO 1% FUEL OIL NEW BALM	KX	0	2	-100.0%	0	0.0%	3	25	-88.0%
EURO 3.5% FUEL OIL RDAM B	KR	11	457	-97.6%	72	-84.7%	302	5,167	-94.2%

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Energy Futures									
EURO 3.5% FUEL OIL SPREAD	FK	0	125	-100.0%	12	-100.0%	147	834	-82.4%
EURO-DENOMINATED PETRO PROD	NCP	0	640	-100.0%	0	0.0%	0	640	-100.0%
EURO GASOIL 10PPM VS ICE	ET	0	0	0.0%	0	0.0%	0	370	-100.0%
EUROPE 1% FUEL OIL NWE CA	UF	13	0	0.0%	0	0.0%	463	366	26.5%
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	18	95	-81.1%	14	28.6%	385	768	-49.9%
EUROPE 3.5% FUEL OIL RDAM	UV	762	4,047	-81.2%	380	100.5%	8,035	68,381	-88.2%
EUROPEAN GASOIL (ICE)	7F	84	334	-74.9%	100	-16.0%	816	3,651	-77.6%
EUROPEAN NAPHTHA BALMO	KZ	8	277	-97.1%	181	-95.6%	1,343	2,289	-41.3%
EUROPEAN NAPHTHA CRACK SPR	EN	2,036	8,901	-77.1%	2,124	-4.1%	34,260	72,491	-52.7%
EUROPE DATED BRENT SWAP	UB	0	0	0.0%	0	0.0%	1,633	0	0.0%
EUROPE JET KERO NWE CALSW	UJ	0	18	-100.0%	0	0.0%	5	39	-87.2%
EUROPE NAPHTHA CALSWAP	UN	509	3,780	-86.5%	1,682	-69.7%	15,393	27,309	-43.6%
EURO PROPANE CIF ARA SWA	PS	1,671	1,443	15.8%	1,703	-1.9%	15,510	13,960	11.1%
FLORIDA GAS ZONE3 BASIS S	FP	0	0	0.0%	0	-	0	0	0.0%
FREIGHT MARKETS	ACB	0	0	-	420	-100.0%	420	0	-
FREIGHT MARKETS	FLP	242	282	-14.2%	361	-33.0%	1,385	1,067	29.8%
FREIGHT MARKETS	FRC	90	60	50.0%	230	-60.9%	1,210	600	101.7%
FREIGHT MARKETS	FRS	0	0	0.0%	0	0.0%	70	0	0.0%
FREIGHT MARKETS	T2D	240	185	29.7%	545	-56.0%	4,340	2,123	104.4%
FREIGHT MARKETS	TC6	0	0	0.0%	0	0.0%	0	240	-100.0%
FREIGHT MARKETS	TD3	0	0	0.0%	70	-100.0%	140	30	366.7%
FREIGHT MARKETS	TD8	0	0	-	0	0.0%	60	0	-
FREIGHT MARKETS	USC	100	0	-	60	66.7%	160	0	-
FUEL OIL CRACK VS ICE	FO	2,843	1,630	74.4%	1,214	134.2%	14,011	32,077	-56.3%
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%	0	0.0%	6	154	-96.1%
FUEL OIL (PLATS) CAR CN	1X	0	0	0.0%	0	0.0%	0	120	-100.0%
FUELOIL SWAP:CARGOES VS.B	FS	10	165	-93.9%	36	-72.2%	1,426	1,878	-24.1%
GAS EURO-BOB OXY NWE BARGES	7H	1,622	6,480	-75.0%	2,902	-44.1%	44,459	62,148	-28.5%
GAS EURO-BOB OXY NWE BARGES CRK	7K	3,880	13,155	-70.5%	5,279	-26.5%	66,945	152,732	-56.2%
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	5	-100.0%	0	0.0%	21	10	110.0%

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GASOIL 0.1 ROTTERDAM BARG	VL	0	5	-100.0%	0	0.0%	103	1,260	-91.8%
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	39	6	550.0%	12	225.0%	129	54	138.9%
GASOIL CRACK SPREAD CALEN	GZ	120	2,832	-95.8%	960	-87.5%	5,114	35,552	-85.6%
GASOIL MINI CALENDAR SWAP	QA	612	172	255.8%	427	43.3%	2,310	1,442	60.2%
GERMAN POWER BASELOAD CAL MONTH FU	DEB	1,913	915	109.1%	5,143	-62.8%	19,348	2,991	546.9%
GROUP THREE ULSD (PLATTS)	A7	0	20	-100.0%	0	0.0%	0	205	-100.0%
GROUP THREE UNLEAD GAS (P	A9	300	0	0.0%	0	0.0%	300	425	-29.4%
GRP THREE ULSD(PLT)VS HEA	A6	3,270	2,880	13.5%	4,648	-29.6%	28,265	27,718	2.0%
GRP THREE UNL GS (PLT) VS	A8	1,370	1,985	-31.0%	1,810	-24.3%	21,187	15,777	34.3%
GULF COAST 3% FUEL OIL BA	VZ	663	981	-32.4%	809	-18.0%	5,601	11,466	-51.2%
GULF COAST JET FUEL CLNDR	GE	0	241	-100.0%	0	0.0%	267	1,156	-76.9%
GULF COAST JET VS NYM 2 H	ME	18,687	29,940	-37.6%	20,360	-8.2%	171,097	301,608	-43.3%
GULF COAST NO.6 FUEL OIL	MF	21,075	46,376	-54.6%	18,314	15.1%	186,537	472,377	-60.5%
GULF COAST NO.6 FUEL OIL	MG	80	530	-84.9%	160	-50.0%	1,573	14,873	-89.4%
GULF COAST ULSD CALENDAR	LY	200	215	-7.0%	277	-27.8%	3,042	2,025	50.2%
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%	40	-100.0%	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	0	62	-100.0%	1,178	-100.0%	12,426	7,494	65.8%
HENRY HUB FINANCIAL LAST	NBP	0	4,419	-100.0%	0	0.0%	0	22,465	-100.0%
HENRY HUB FINANCIAL LAST	TTE	0	78	-100.0%	0	0.0%	0	855	-100.0%
HENRY HUB INDEX SWAP FUTU	IN	0	62	-100.0%	1,178	-100.0%	12,426	7,494	65.8%
HENRY HUB SWAP	NN	35,392	194,981	-81.8%	74,882	-52.7%	814,678	1,407,056	-42.1%
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	2,030	11,453	-82.3%	4,276	-52.5%	41,144	82,951	-50.4%
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%

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Energy Futures									
INDIANA MISO	PTD	0	0	0.0%	0	0.0%	0	0	0.0%
INDONESIAN COAL	MCC	0	0	0.0%	0	-	0	0	0.0%
INDONESIAN COAL ICI4	ICI	205	210	-2.4%	550	-62.7%	2,965	985	201.0%
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	27	0	0.0%	0	0.0%	196	1,689	-88.4%
JAPAN C&F NAPHTHA SWAP	JA	469	1,496	-68.6%	824	-43.1%	9,152	16,489	-44.5%
JAPAN NAPHTHA BALMO SWAP	E6	39	97	-59.8%	10	290.0%	328	498	-34.1%
JET AV FUEL (P) CAR FM ICE GAS SWAP	1V	0	0	0.0%	0	0.0%	0	5	-100.0%
JET CIF NWE VS ICE	JC	30	0	0.0%	0	0.0%	100	630	-84.1%
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	2,775	5,500	-49.5%	4,915	-43.5%	34,088	47,757	-28.6%
JKM LNG Futures	JKM	1,535	2,208	-30.5%	1,760	-12.8%	12,511	9,218	35.7%
LA CARB DIESEL (OPIS)	LX	0	0	0.0%	0	-	0	0	0.0%
LA CARB DIESEL (OPIS) SWA	KL	50	105	-52.4%	0	0.0%	375	2,630	-85.7%
LA CARBOB GASOLINE(OPIS)S	JL	175	75	133.3%	375	-53.3%	2,850	4,150	-31.3%
LA JET FUEL VS NYM NO 2 H	MQ	0	0	0.0%	0	-	0	0	0.0%
LA JET (OPIS) SWAP	JS	1,179	1,388	-15.1%	1,425	-17.3%	10,484	17,643	-40.6%
LLS (ARGUS) CALENDAR SWAP	XA	0	607	-100.0%	0	0.0%	0	607	-100.0%
LLS (ARGUS) VS WTI SWAP	WJ	60	2,292	-97.4%	1,080	-94.4%	16,599	46,712	-64.5%
LOS ANGELES CARB GASOLINE	MH	0	0	-	10	-100.0%	10	0	-
MARS (ARGUS) VS WTI SWAP	YX	810	500	62.0%	1,440	-43.8%	13,630	19,200	-29.0%
MARS (ARGUS) VS WTI TRD M	YV	17,370	9,911	75.3%	12,197	42.4%	148,954	181,546	-18.0%
MARS BLEND CRUDE OIL	MB	0	0	0.0%	0	0.0%	0	2,319	-100.0%
MCCLOSKEY ARA ARGS COAL	MTF	25,303	19,040	32.9%	35,161	-28.0%	235,857	193,068	22.2%
MCCLOSKEY RCH BAY COAL	MFF	1,375	2,606	-47.2%	2,312	-40.5%	18,639	26,483	-29.6%
MGF FUT	MGF	0	88	-100.0%	0	0.0%	0	218	-100.0%
MGN1 SWAP FUT	MGN	130	40	225.0%	10	1,200.0%	490	573	-14.5%
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	532	265	100.8%	114	366.7%	1,876	2,951	-36.4%
MINI RBOB V. EBOBARG NWE BRGS BALMO	MXR	0	375	-100.0%	0	0.0%	3,500	3,035	15.3%
MINI RBOB V. EBOB(ARGUS) NWE BRGS	MXB	639	2,108	-69.7%	2,042	-68.7%	17,521	13,567	29.1%
MJC FUT	MJC	0	80	-100.0%	0	0.0%	150	1,325	-88.7%

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Energy Futures									
MNC FUT	MNC	2,840	4,712	-39.7%	3,232	-12.1%	31,473	30,929	1.8%
MONT BELVIEU ETHANE 5 DECIMAL	C0	19,218	19,570	-1.8%	20,907	-8.1%	124,498	125,059	-0.4%
MONT BELVIEU ETHANE OPIS BALMO	8C	60	130	-53.8%	155	-61.3%	1,279	1,290	-0.9%
MONT BELVIEU LDH PROPANE 5 DECIMAL	B0	157,461	111,817	40.8%	162,351	-3.0%	1,169,932	964,037	21.4%
MONT BELVIEU LDH PROPANE OPIS BALMO	8O	2,746	987	178.2%	1,653	66.1%	24,817	21,613	14.8%
MONT BELVIEU NATURAL GASOLINE 5 DEC	7Q	6,184	5,130	20.5%	9,154	-32.4%	63,019	63,933	-1.4%
MONT BELVIEU NATURAL GASOLINE BALMO	R0	405	382	6.0%	865	-53.2%	5,129	3,226	59.0%
MONT BELVIEU NORMAL BUTANE 5 DECIMAL	D0	52,185	46,652	11.9%	51,174	2.0%	366,196	272,449	34.4%
MONT BELVIEU NORMAL BUTANE BALMO	8J	1,533	1,105	38.7%	1,010	51.8%	10,677	8,601	24.1%
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	23,866	30,236	-21.1%	21,025	13.5%	226,464	279,942	-19.1%
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	55,040	0	0.0%	0	0.0%	71,600	79,520	-10.0%
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	272	1,030	-73.6%	925	-70.6%	5,721	10,666	-46.4%
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	400	-100.0%	0	0.0%	675	2,558	-73.6%
NORTHEN NATURAL GAS DEMAR	PE	0	0	0.0%	0	0.0%	0	0	0.0%
NORTHEN NATURAL GAS VENTU	PF	0	0	0.0%	0	0.0%	0	100	-100.0%
NORTHERN ILLINOIS OFF-PEA	UO	0	0	0.0%	0	-	0	0	0.0%

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Energy Futures									
NORTHWEST ROCKIES BASIS S	NR	0	0	0.0%	0	0.0%	3,106	0	0.0%
N ROCKIES PIPE SWAP	XR	0	59	-100.0%	0	0.0%	0	59	-100.0%
NY1% VS GC SPREAD SWAP	VR	704	375	87.7%	488	44.3%	3,847	12,933	-70.3%
NY 2.2% FUEL OIL (PLATTS	Y3	0	0	0.0%	0	-	0	0	0.0%
NY 3.0% FUEL OIL (PLATTS	H1	0	450	-100.0%	0	0.0%	775	1,650	-53.0%
NY HARBOR 1% FUEL OIL BAL	VK	0	50	-100.0%	25	-100.0%	25	50	-50.0%
NY HARBOR HEAT OIL SWP	MP	1,685	5,614	-70.0%	498	238.4%	17,164	16,029	7.1%
NY HARBOR LOW SULPUR GAS 1000MBBL	NLS	0	150	-100.0%	0	0.0%	390	2,845	-86.3%
NY HARBOR RESIDUAL FUEL 1	MM	713	989	-27.9%	502	42.0%	6,198	9,164	-32.4%
NY HARBOR RESIDUAL FUEL C	ML	0	0	-	0	0.0%	0	0	-
NYH NO 2 CRACK SPREAD CAL	HK	390	90	333.3%	0	0.0%	2,625	7,397	-64.5%
NYISO A	KA	0	0	0.0%	0	-	0	0	0.0%
NYISO A OFF-PEAK	KB	0	0	0.0%	0	-	0	0	0.0%
NYISO CAPACITY	LHV	0	0	0.0%	0	0.0%	240	246	-2.4%
NYISO CAPACITY	NNC	0	150	-100.0%	0	0.0%	0	615	-100.0%
NYISO CAPACITY	NRS	0	60	-100.0%	0	0.0%	60	275	-78.2%
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	55,040	22,320	146.6%	0	0.0%	101,424	600,854	-83.1%
NYISO ZONE G 5MW D AH PK	T3	0	0	0.0%	6,375	-100.0%	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	100	0	0.0%	77	29.9%	1,595	213	648.8%
ONEOK OKLAHOMA NG BASIS	8X	0	1,464	-100.0%	0	0.0%	0	1,464	-100.0%
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	25	0	0.0%	0	0.0%	25	10	150.0%
ONTARIO POWER SWAPS	OPM	0	0	0.0%	0	0.0%	100	0	0.0%

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Energy Futures									
PANHANDLE BASIS SWAP FUTU	PH	0	0	0.0%	0	0.0%	0	275	-100.0%
PANHANDLE PIPE SWAP	XH	0	0	0.0%	0	0.0%	0	0	0.0%
PERMIAN BASIS SWAP	PM	0	0	0.0%	0	0.0%	0	0	0.0%
PETROCHEMICALS	22	161	190	-15.3%	179	-10.1%	1,327	1,306	1.6%
PETROCHEMICALS	32	67	179	-62.6%	132	-49.2%	858	1,354	-36.6%
PETROCHEMICALS	3NA	0	0	-	2	-100.0%	49	0	-
PETROCHEMICALS	51	0	0	0.0%	60	-100.0%	77	23	234.8%
PETROCHEMICALS	8I	845	44	1,820.5%	360	134.7%	4,882	5,684	-14.1%
PETROCHEMICALS	91	531	243	118.5%	370	43.5%	3,738	3,187	17.3%
PETROCHEMICALS	HPE	0	0	0.0%	0	-	0	0	0.0%
PETROCHEMICALS	MAA	0	0	0.0%	30	-100.0%	280	50	460.0%
PETROCHEMICALS	MAC	0	0	0.0%	0	-	0	0	0.0%
PETROCHEMICALS	MAE	622	114	445.6%	769	-19.1%	2,961	1,492	98.5%
PETROCHEMICALS	MAS	296	385	-23.1%	275	7.6%	1,782	1,146	55.5%
PETROCHEMICALS	MBE	320	990	-67.7%	210	52.4%	2,715	6,690	-59.4%
PETROCHEMICALS	MNB	118	1,039	-88.6%	410	-71.2%	5,711	16,319	-65.0%
PETROCHEMICALS	MPS	175	120	45.8%	108	62.0%	1,758	890	97.5%
PETRO CRCKS & SPRDS ASIA	JNC	0	0	0.0%	0	0.0%	0	0	0.0%
PETRO CRCKS & SPRDS ASIA	STI	0	0	0.0%	0	0.0%	50	0	0.0%
PETRO CRCKS & SPRDS ASIA	STR	0	0	0.0%	0	0.0%	0	100	-100.0%
PETRO CRCKS & SPRDS ASIA	STS	50	0	0.0%	21	138.1%	282	509	-44.6%
PETRO CRCKS & SPRDS NA	CRB	8,761	2,785	214.6%	7,150	22.5%	55,426	12,005	361.7%
PETRO CRCKS & SPRDS NA	EXR	1,261	2,140	-41.1%	2,021	-37.6%	21,442	22,870	-6.2%
PETRO CRCKS & SPRDS NA	FOC	150	200	-25.0%	700	-78.6%	3,370	5,575	-39.6%
PETRO CRCKS & SPRDS NA	GBB	250	1,600	-84.4%	1,150	-78.3%	5,218	10,335	-49.5%
PETRO CRCKS & SPRDS NA	GCC	0	0	0.0%	0	0.0%	0	1,740	-100.0%
PETRO CRCKS & SPRDS NA	GCI	1,064	2,183	-51.3%	476	123.5%	10,759	12,547	-14.3%
PETRO CRCKS & SPRDS NA	GCM	0	21	-100.0%	0	0.0%	0	163	-100.0%
PETRO CRCKS & SPRDS NA	GCU	2,919	14,880	-80.4%	4,723	-38.2%	26,682	108,664	-75.4%
PETRO CRCKS & SPRDS NA	GFC	0	0	0.0%	0	0.0%	100	40	150.0%
PETRO CRCKS & SPRDS NA	HOB	5,820	1,092	433.0%	110	5,190.9%	14,462	8,033	80.0%
PETRO CRCKS & SPRDS NA	KSD	0	0	0.0%	0	-	0	0	0.0%
PETRO CRCKS & SPRDS NA	MFR	0	4	-100.0%	0	0.0%	0	4	-100.0%
PETRO CRCKS & SPRDS NA	NFG	0	0	0.0%	0	0.0%	0	50	-100.0%
PETRO CRCKS & SPRDS NA	NYF	0	0	0.0%	75	-100.0%	75	0	0.0%
PETRO CRCKS & SPRDS NA	NYH	0	0	0.0%	0	-	0	0	0.0%

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Commodity		VOLUME AUG 2019	VOLUME AUG 2018	% CHG	VOLUME JUL 2019	% CHG	VOLUME Y.T.D 2019	VOLUME Y.T.D 2018	% CHG
Energy Futures									
PETRO CRCKS & SPRDS NA	RBB	2,278	4,844	-53.0%	2,182	4.4%	59,822	43,263	38.3%
PETRO CRCKS & SPRDS NA	RVG	8,580	9,196	-6.7%	11,810	-27.3%	110,698	133,093	-16.8%
PETRO CRCKS & SPRDS NA	SF3	190	0	0.0%	101	88.1%	884	321	175.4%
PETRO CRK&SPRD EURO	1NB	140	2,313	-93.9%	739	-81.1%	9,573	15,811	-39.5%
PETRO CRK&SPRD EURO	1ND	0	0	0.0%	0	0.0%	0	100	-100.0%
PETRO CRK&SPRD EURO	43	0	211	-100.0%	3	-100.0%	155	2,979	-94.8%
PETRO CRK&SPRD EURO	BFR	0	0	0.0%	0	0.0%	60	0	0.0%
PETRO CRK&SPRD EURO	BOB	935	1,412	-33.8%	105	790.5%	4,042	14,732	-72.6%
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	0	0.0%	8	-100.0%	23	188	-87.8%
PETRO CRK&SPRD EURO	EPN	720	664	8.4%	602	19.6%	4,863	7,340	-33.7%
PETRO CRK&SPRD EURO	EVC	578	1,210	-52.2%	728	-20.6%	3,642	17,671	-79.4%
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	100	0	0.0%	135	-25.9%	517	680	-24.0%
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	30	0	0.0%	10	200.0%	110	163	-32.5%
PETRO CRK&SPRD EURO	NBB	0	20	-100.0%	0	0.0%	58	152	-61.8%
PETRO CRK&SPRD EURO	NOB	115	1,899	-93.9%	255	-54.9%	3,295	13,444	-75.5%
PETRO CRK&SPRD EURO	SFB	0	0	0.0%	0	0.0%	51	125	-59.2%
PETROLEUM PRODUCTS	1NM	65	0	-	110	-40.9%	708	0	-
PETROLEUM PRODUCTS	EWB	0	0	0.0%	0	-	0	0	0.0%
PETROLEUM PRODUCTS	EWG	575	4,635	-87.6%	1,075	-46.5%	20,005	35,953	-44.4%
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	0	0	-	9	-100.0%	9	0	-
PETROLEUM PRODUCTS	S53	27	0	-	0	-	27	0	-
PETROLEUM PRODUCTS	VU	142	0	0.0%	50	184.0%	377	1,044	-63.9%
PETROLEUM PRODUCTS ASIA	E6M	60	70	-14.3%	0	0.0%	128	634	-79.8%
PETROLEUM PRODUCTS ASIA	MJN	900	1,545	-41.7%	1,731	-48.0%	12,646	15,434	-18.1%
PETROLEUM PRODUCTS ASIA	MSB	20	0	0.0%	0	-	20	0	0.0%

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Energy Futures									
PETRO OUTFRIGHT EURO	0B	73	0	0.0%	10	630.0%	241	84	186.9%
PETRO OUTFRIGHT EURO	0C	30	3	900.0%	0	0.0%	45	3	1,400.0%
PETRO OUTFRIGHT EURO	0D	1,180	1,026	15.0%	1,367	-13.7%	11,132	10,771	3.4%
PETRO OUTFRIGHT EURO	0E	0	3	-100.0%	20	-100.0%	76	198	-61.6%
PETRO OUTFRIGHT EURO	0F	448	476	-5.9%	338	32.5%	3,130	4,565	-31.4%
PETRO OUTFRIGHT EURO	1T	0	18	-100.0%	0	0.0%	5	39	-87.2%
PETRO OUTFRIGHT EURO	33	0	0	0.0%	0	0.0%	0	0	0.0%
PETRO OUTFRIGHT EURO	5L	0	10	-100.0%	0	0.0%	203	224	-9.4%
PETRO OUTFRIGHT EURO	63	0	5	-100.0%	0	0.0%	15	172	-91.3%
PETRO OUTFRIGHT EURO	6L	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTFRIGHT EURO	7I	0	0	0.0%	50	-100.0%	644	582	10.7%
PETRO OUTFRIGHT EURO	7R	72	393	-81.7%	44	63.6%	1,197	2,535	-52.8%
PETRO OUTFRIGHT EURO	88	0	0	0.0%	25	-100.0%	25	105	-76.2%
PETRO OUTFRIGHT EURO	CBB	15	0	0.0%	0	0.0%	15	55	-72.7%
PETRO OUTFRIGHT EURO	CGB	0	0	0.0%	0	0.0%	20	0	0.0%
PETRO OUTFRIGHT EURO	CPB	70	0	0.0%	137	-48.9%	1,847	3,009	-38.6%
PETRO OUTFRIGHT EURO	EFF	56	15	273.3%	0	0.0%	172	116	48.3%
PETRO OUTFRIGHT EURO	EFM	0	0	0.0%	0	0.0%	31	0	0.0%
PETRO OUTFRIGHT EURO	ENS	15	40	-62.5%	0	0.0%	146	105	39.0%
PETRO OUTFRIGHT EURO	ESB	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTFRIGHT EURO	EWN	118	765	-84.6%	208	-43.3%	3,945	5,612	-29.7%
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	5	-100.0%	0	0.0%	0	5	-100.0%
PETRO OUTFRIGHT EURO	H5G	0	0	-	60	-100.0%	120	0	-
PETRO OUTFRIGHT EURO	MBB	0	0	0.0%	0	0.0%	0	171	-100.0%
PETRO OUTFRIGHT EURO	MBN	540	409	32.0%	240	125.0%	2,842	8,378	-66.1%
PETRO OUTFRIGHT EURO	MEF	285	15	1,800.0%	227	25.6%	2,683	15	17,786.7%
PETRO OUTFRIGHT EURO	R53	0	0	-	6	-100.0%	54	0	-
PETRO OUTFRIGHT EURO	R5M	321	0	-	71	352.1%	835	0	-
PETRO OUTFRIGHT EURO	R5O	116	0	-	5	2,220.0%	252	0	-
PETRO OUTFRIGHT EURO	S5F	23	0	-	0	-	23	0	-
PETRO OUTFRIGHT EURO	S5M	380	0	-	126	201.6%	610	0	-
PETRO OUTFRIGHT EURO	S5O	6	0	-	0	-	6	0	-
PETRO OUTFRIGHT EURO	SMU	0	150	-100.0%	500	-100.0%	625	478	30.8%
PETRO OUTFRIGHT EURO	T0	0	0	0.0%	0	0.0%	0	9	-100.0%

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Energy Futures									
PETRO OUTRIGHT EURO	T2B	0	0	-	0	0.0%	15	0	-
PETRO OUTRIGHT EURO	TMB	50	0	-	0	-	50	0	-
PETRO OUTRIGHT EURO	ULB	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTRIGHT EURO	V0	0	0	0.0%	0	0.0%	0	980	-100.0%
PETRO OUTRIGHT EURO	X0	0	0	-	0	0.0%	0	0	-
PETRO OUTRIGHT NA	FCB	0	32	-100.0%	230	-100.0%	426	592	-28.0%
PETRO OUTRIGHT NA	FOM	0	0	0.0%	0	0.0%	0	0	0.0%
PETRO OUTRIGHT NA	JE	0	0	0.0%	0	0.0%	60	69	-13.0%
PETRO OUTRIGHT NA	JET	1,575	6,340	-75.2%	2,425	-35.1%	19,655	21,220	-7.4%
PETRO OUTRIGHT NA	JTB	475	150	216.7%	950	-50.0%	5,750	3,860	49.0%
PETRO OUTRIGHT NA	MBL	0	0	0.0%	0	0.0%	0	40	-100.0%
PETRO OUTRIGHT NA	MEN	10	635	-98.4%	68	-85.3%	1,326	3,568	-62.8%
PETRO OUTRIGHT NA	MEO	1,119	2,609	-57.1%	3,269	-65.8%	20,052	30,169	-33.5%
PETRO OUTRIGHT NA	MFD	0	0	0.0%	10	-100.0%	295	100	195.0%
PETRO OUTRIGHT NA	MMF	83	19	336.8%	65	27.7%	755	74	920.3%
PETRO OUTRIGHT NA	NYT	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTRIGHT NA	XER	0	300	-100.0%	0	0.0%	0	300	-100.0%
PJM AD HUB 5MW REAL TIME	V3	0	0	0.0%	0	0.0%	117,180	28,032	318.0%
PJM AD HUB 5MW REAL TIME	Z9	0	0	0.0%	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	2,560	0	0.0%	0	0.0%	3,845	5,100	-24.6%
PJM NI HUB 5MW REAL TIME	B6	46,640	0	0.0%	0	0.0%	70,000	0	0.0%

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Energy Futures									
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	23,400	-100.0%	0	0.0%	0	23,400	-100.0%
PJM PSEG DA PEAK	L6	0	1,275	-100.0%	0	0.0%	0	1,275	-100.0%
PJM WESTH DA OFF-PEAK	E4	0	23,400	-100.0%	0	0.0%	0	101,810	-100.0%
PJM WESTHDA PEAK	J4	0	1,275	-100.0%	0	0.0%	0	5,525	-100.0%
PJM WESTH RT OFF-PEAK	N9	0	0	0.0%	0	0.0%	47,100	294,000	-84.0%
PJM WESTH RT PEAK	L1	0	2,791	-100.0%	514	-100.0%	47,090	45,970	2.4%
PLASTICS	PGP	540	471	14.6%	620	-12.9%	5,720	3,015	89.7%
PREMIUM UNLD 10P FOB MED	3G	32	174	-81.6%	33	-3.0%	805	2,033	-60.4%
PREMIUM UNLEAD 10PPM FOB	8G	32	48	-33.3%	15	113.3%	65	403	-83.9%
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	116	-100.0%	0	0.0%	30	186	-83.9%
PROPANE NON-LDH MB (OPIS) BALMO SWP	1S	985	707	39.3%	1,343	-26.7%	12,059	4,398	174.2%
PROPANE NON-LDH MT. BEL (OPIS) SWP	1R	11,081	12,617	-12.2%	30,094	-63.2%	145,845	93,749	55.6%
RBOB CALENDAR SWAP	RL	3,707	6,092	-39.1%	4,083	-9.2%	47,876	46,084	3.9%
RBOB CRACK SPREAD	RM	150	60	150.0%	560	-73.2%	8,875	9,213	-3.7%
RBOB CRACK SPREAD BALMO S	1E	0	0	0.0%	0	0.0%	25	0	0.0%
RBOB GASOLINE BALMO CLNDR	1D	852	833	2.3%	821	3.8%	7,896	9,000	-12.3%
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	0	0.0%	0	0.0%	0	58	-100.0%
SAN JUAN PIPE SWAP	XX	0	0	0.0%	0	0.0%	0	360	-100.0%
SINGAPORE 180CST BALMO	BS	20	48	-58.3%	15	33.3%	113	438	-74.2%
SINGAPORE 380CST BALMO	BT	123	282	-56.4%	343	-64.1%	716	1,808	-60.4%
SINGAPORE 380CST FUEL OIL	SE	2,234	10,558	-78.8%	2,649	-15.7%	24,137	72,321	-66.6%
SINGAPORE FUEL 180CST CAL	UA	185	543	-65.9%	267	-30.7%	2,232	7,197	-69.0%
SINGAPORE FUEL OIL SPREAD	SD	60	273	-78.0%	75	-20.0%	495	5,724	-91.4%
SINGAPORE GASOIL	MAF	2,674	8	33,325.0%	2,442	9.5%	15,363	8	191,937.5%
SINGAPORE GASOIL	MTB	62	51	21.6%	25	148.0%	391	476	-17.9%
SINGAPORE GASOIL	MTS	4,878	4,141	17.8%	4,657	4.7%	31,275	38,123	-18.0%

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Energy Futures									
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%	270	-100.0%	270	0	0.0%
SINGAPORE GASOIL CALENDAR	MGO	0	0	0.0%	0	0.0%	0	200	-100.0%
SINGAPORE GASOIL CALENDAR	MSG	225	50	350.0%	257	-12.5%	1,450	4,249	-65.9%
SINGAPORE GASOIL CALENDAR	SGG	0	0	0.0%	0	0.0%	0	325	-100.0%
SINGAPORE GASOIL SWAP	SG	819	6,590	-87.6%	908	-9.8%	8,315	35,693	-76.7%
SINGAPORE GASOIL VS ICE	GA	0	5,775	-100.0%	150	-100.0%	4,490	107,216	-95.8%
SINGAPORE JET KERO BALMO	BX	0	0	0.0%	0	0.0%	0	215	-100.0%
SINGAPORE JET KERO GASOIL	RK	0	2,325	-100.0%	0	0.0%	100	31,170	-99.7%
SINGAPORE JET KEROSENE SW	KS	275	1,995	-86.2%	425	-35.3%	4,565	9,060	-49.6%
SINGAPORE JET KERO VS. GASOIL BALMO	Z0	0	375	-100.0%	0	0.0%	0	400	-100.0%
SINGAPORE MOGAS 92 UNLEADED BALMO	1P	0	1,793	-100.0%	50	-100.0%	1,475	4,976	-70.4%
SINGAPORE MOGAS 92 UNLEADED SWP	1N	1,592	9,639	-83.5%	5,867	-72.9%	83,283	111,179	-25.1%
SINGAPORE NAPHTHA SWAP	SP	0	0	0.0%	0	0.0%	0	200	-100.0%
SING FUEL	MSD	0	0	0.0%	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	91	0	0.0%	546	-83.3%	2,061	548	276.1%
TC5 RAS TANURA TO YOKOHAM	TH	20	0	0.0%	530	-96.2%	2,501	240	942.1%
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	2,965	2,035	45.7%	6,760	-56.1%	37,946	8,655	338.4%
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%

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Commodity		VOLUME AUG 2019	VOLUME AUG 2018	% CHG	VOLUME JUL 2019	% CHG	VOLUME Y.T.D 2019	VOLUME Y.T.D 2018	% CHG
Energy Futures									
TRANSCO ZONE4 BASIS SWAP	TR	0	0	0.0%	0	0.0%	0	0	0.0%
TRANSCO ZONE 4 NAT GAS IN	B2	0	0	0.0%	0	-	0	0	0.0%
TRANSCO ZONE 6 BASIS SWAP	NZ	0	0	0.0%	0	0.0%	0	0	0.0%
TRANSCO ZONE 6 INDEX	IT	0	0	0.0%	0	-	0	0	0.0%
UCM FUT	UCM	0	0	0.0%	0	0.0%	20	60	-66.7%
UK NBP NAT GAS CAL MTH FUT	UKG	1,170	1,336	-12.4%	150	680.0%	4,469	40,712	-89.0%
ULSD 10PPM CIF MED SWAP	Z6	0	0	0.0%	0	-	0	0	0.0%
ULSD 10PPM CIF MED VS ICE	Z7	0	0	0.0%	0	0.0%	0	14	-100.0%
ULSD 10PPM CIF NW BALMO S	B1	0	0	0.0%	0	-	0	0	0.0%
ULSD UP-DOWN BALMO SWP	1L	2,555	4,837	-47.2%	5,070	-49.6%	40,170	40,362	-0.5%
UP DOWN GC ULSD VS NMX HO	LT	43,125	33,292	29.5%	27,797	55.1%	244,916	253,949	-3.6%
WAHA BASIS	NW	0	0	0.0%	0	0.0%	650	3,201	-79.7%
WAHA INDEX SWAP FUTURE	IY	0	0	0.0%	0	-	0	0	0.0%
WESTERN RAIL DELIVERY PRB	QP	0	0	0.0%	0	0.0%	0	25	-100.0%
WTI-BRENT BULLET SWAP	BY	35	0	0.0%	550	-93.6%	1,449	6,650	-78.2%
WTI-BRENT CALENDAR SWAP	BK	32,180	14,291	125.2%	36,248	-11.2%	288,407	250,805	15.0%
WTI CALENDAR	CS	22,528	35,424	-36.4%	36,849	-38.9%	320,094	264,043	21.2%
WTS (ARGUS) VS WTI SWAP	FF	2,235	13,583	-83.5%	3,750	-40.4%	36,907	68,502	-46.1%
WTS (ARGUS) VS WTI TRD MT	FH	1,560	1,815	-14.0%	0	0.0%	6,493	5,385	20.6%
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	780	970	-19.6%	0	0.0%	3,810	5,715	-33.3%
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	0	11,500	-100.0%	2,540	-100.0%	35,190	385,838	-90.9%
BRENT CRUDE OIL 6 M CSO	9L	0	0	0.0%	0	0.0%	0	1,000	-100.0%
BRENT OIL LAST DAY	BE	16,410	12,503	31.2%	24,460	-32.9%	313,689	260,912	20.2%
BRENT OIL LAST DAY	BZO	83,502	123,118	-32.2%	74,938	11.4%	788,051	1,044,045	-24.5%
BRENT OIL LAST DAY	OS	0	100	-100.0%	0	0.0%	0	1,190	-100.0%
COAL API2 INDEX	CLA	0	460	-100.0%	50	-100.0%	210	5,365	-96.1%
COAL API2 INDEX	CQA	100	150	-33.3%	150	-33.3%	760	3,455	-78.0%
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%



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Energy Options									
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	221,175	115,030	92.3%	250,925	-11.9%	1,873,511	1,718,040	9.0%
CRUDE OIL APO	AO	32,588	31,738	2.7%	36,148	-9.8%	377,777	371,503	1.7%
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	150	1,250	-88.0%	0	0.0%	1,300	19,050	-93.2%
CRUDE OIL PHY	LC	8,447	11,985	-29.5%	9,315	-9.3%	83,050	79,139	4.9%
CRUDE OIL PHY	LO	2,942,807	2,936,385	0.2%	2,519,080	16.8%	21,755,655	28,171,941	-22.8%
CRUDE OIL PHY	LO1	8,772	13,737	-36.1%	15,220	-42.4%	121,236	110,885	9.3%
CRUDE OIL PHY	LO2	10,496	14,177	-26.0%	12,449	-15.7%	117,810	121,518	-3.1%
CRUDE OIL PHY	LO3	4,133	7,936	-47.9%	12,436	-66.8%	71,988	78,580	-8.4%
CRUDE OIL PHY	LO4	10,222	12,228	-16.4%	12,559	-18.6%	124,739	119,022	4.8%
CRUDE OIL PHY	LO5	9,850	14,791	-33.4%	0	0.0%	48,114	49,705	-3.2%
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	22,538	3,306	581.7%	15,793	42.7%	90,926	57,811	57.3%
ETHANOL SWAP	GVR	0	475	-100.0%	0	0.0%	780	2,668	-70.8%
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	325	0	0.0%	390	-16.7%	1,727	750	130.3%
HEATING OIL PHY	OH	25,493	23,794	7.1%	25,393	0.4%	229,289	239,503	-4.3%
HENRY HUB FINANCIAL LAST	E7	2,673	5,117	-47.8%	4,100	-34.8%	48,696	32,365	50.5%
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	50	0	0.0%	200	-75.0%	920	1,905	-51.7%
NATURAL GAS	G10	0	0	0.0%	0	-	0	0	0.0%
NATURAL GAS 1 M CSO FIN	G4	144,150	30,645	370.4%	82,050	75.7%	433,475	286,327	51.4%

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Energy Options									
NATURAL GAS 2 M CSO FIN	G2	500	0	0.0%	1,250	-60.0%	4,125	1,200	243.8%
NATURAL GAS 3 M CSO FIN	G3	59,350	5,500	979.1%	34,650	71.3%	178,350	43,546	309.6%
NATURAL GAS 5 M CSO FIN	G5	500	0	0.0%	0	0.0%	1,600	2,550	-37.3%
NATURAL GAS 6 M CSO FIN	G6	5,550	1,700	226.5%	1,800	208.3%	41,075	70,950	-42.1%
NATURAL GAS OPTION ON CALENDAR STRP	6J	3,600	1,000	260.0%	6,260	-42.5%	18,960	22,308	-15.0%
NATURAL GAS PHY	KD	7,371	18,333	-59.8%	3,211	129.6%	24,217	167,913	-85.6%
NATURAL GAS PHY	LN	1,383,739	1,511,535	-8.5%	1,535,832	-9.9%	11,411,514	13,652,416	-16.4%
NATURAL GAS PHY	ON	105,884	168,737	-37.2%	129,660	-18.3%	978,232	1,376,077	-28.9%
NATURAL GAS WINTER STRIP	6I	200	1,200	-83.3%	0	0.0%	1,500	1,200	25.0%
N ROCKIES PIPE SWAP	ZR	546	708	-22.9%	960	-43.1%	3,624	1,780	103.6%
NY HARBOR HEAT OIL SWP	AT	1,503	1,999	-24.8%	462	225.3%	16,987	20,187	-15.9%
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	166	1,373	-87.9%	38	336.8%	4,779	5,014	-4.7%
PETROCHEMICALS	4J	0	0	0.0%	0	0.0%	200	1,350	-85.2%
PETROCHEMICALS	4K	0	1,200	-100.0%	0	0.0%	160	3,300	-95.2%
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	0	0	0.0%	120	-100.0%	240	0	0.0%
PJM WES HUB PEAK CAL MTH	6OA	0	10	-100.0%	100	-100.0%	640	320	100.0%
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	443	-100.0%	0	0.0%	836	6,857	-87.8%
RBOB 1MO CAL SPD OPTIONS	ZA	0	0	0.0%	0	0.0%	150	700	-78.6%
RBOB CALENDAR SWAP	RA	0	0	0.0%	120	-100.0%	381	965	-60.5%
RBOB CRACK	RX	0	0	-	0	0.0%	0	0	-
RBOB PHY	OB	11,309	8,825	28.1%	11,600	-2.5%	126,090	92,312	36.6%
RBOB PHY	RF	0	0	0.0%	600	-100.0%	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	1,092	124	780.6%	604	80.8%	2,970	1,882	57.8%
SHORT TERM	C15	0	0	-	0	0.0%	0	0	-
SHORT TERM	U11	0	0	0.0%	450	-100.0%	700	1,236	-43.4%
SHORT TERM	U12	230	0	0.0%	100	130.0%	1,030	835	23.4%
SHORT TERM	U13	0	300	-100.0%	0	0.0%	150	400	-62.5%
SHORT TERM	U14	100	50	100.0%	0	0.0%	150	863	-82.6%

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Energy Options									
SHORT TERM	U15	100	20	400.0%	350	-71.4%	1,275	797	60.0%
SHORT TERM	U22	0	30	-100.0%	0	0.0%	1	1,221	-99.9%
SHORT TERM	U23	100	303	-67.0%	0	0.0%	117	898	-87.0%
SHORT TERM	U24	0	453	-100.0%	100	-100.0%	250	879	-71.6%
SHORT TERM	U25	0	0	0.0%	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%
SHORT TERM NATURAL GAS	U02	175	3	5,733.3%	0	0.0%	175	1,448	-87.9%
SHORT TERM NATURAL GAS	U03	100	104	-3.8%	200	-50.0%	704	1,429	-50.7%
SHORT TERM NATURAL GAS	U04	0	650	-100.0%	0	0.0%	600	1,600	-62.5%
SHORT TERM NATURAL GAS	U05	50	0	0.0%	0	0.0%	250	810	-69.1%
SHORT TERM NATURAL GAS	U06	0	0	0.0%	0	0.0%	405	875	-53.7%
SHORT TERM NATURAL GAS	U07	50	0	0.0%	0	0.0%	650	1,601	-59.4%
SHORT TERM NATURAL GAS	U08	1,850	2	92,400.0%	100	1,750.0%	2,450	1,377	77.9%
SHORT TERM NATURAL GAS	U09	50	0	0.0%	150	-66.7%	300	1,534	-80.4%
SHORT TERM NATURAL GAS	U10	0	200	-100.0%	250	-100.0%	250	1,150	-78.3%
SHORT TERM NATURAL GAS	U16	50	0	0.0%	100	-50.0%	250	700	-64.3%
SHORT TERM NATURAL GAS	U17	0	3	-100.0%	150	-100.0%	150	2,296	-93.5%
SHORT TERM NATURAL GAS	U18	0	0	0.0%	100	-100.0%	125	1,372	-90.9%
SHORT TERM NATURAL GAS	U19	100	0	0.0%	0	0.0%	100	223	-55.2%
SHORT TERM NATURAL GAS	U20	0	365	-100.0%	0	0.0%	300	875	-65.7%
SHORT TERM NATURAL GAS	U21	0	10	-100.0%	0	0.0%	50	363	-86.2%
SHORT TERM NATURAL GAS	U27	0	25	-100.0%	0	0.0%	0	425	-100.0%
SHORT TERM NATURAL GAS	U28	0	0	0.0%	0	0.0%	425	100	325.0%
SHORT TERM NATURAL GAS	U29	100	0	0.0%	0	0.0%	100	460	-78.3%
SHORT TERM NATURAL GAS	U30	100	0	0.0%	0	0.0%	300	100	200.0%
SHORT TERM NATURAL GAS	U31	0	2	-100.0%	350	-100.0%	1,200	27	4,344.4%
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	97,950	20,030	389.0%	29,500	232.0%	444,030	739,797	-40.0%
WTI CRUDE OIL 1 M CSO FI	7A	45,825	47,550	-3.6%	20,030	128.8%	431,120	596,150	-27.7%

Metals Futures

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Metals Futures									
COMEX GOLD	GC	9,582,250	6,274,162	52.7%	9,490,344	1.0%	55,588,109	57,852,452	-3.9%
NYMEX HOT ROLLED STEEL	HR	5,113	17,235	-70.3%	13,715	-62.7%	130,451	84,045	55.2%
NYMEX PLATINUM	PL	496,003	412,710	20.2%	444,188	11.7%	3,726,946	3,628,422	2.7%
PALLADIUM	PA	133,300	176,108	-24.3%	79,652	67.4%	881,501	1,005,343	-12.3%
URANIUM	UX	0	190	-100.0%	300	-100.0%	9,384	2,154	335.7%
COMEX SILVER	SI	3,018,629	2,364,109	27.7%	2,086,973	44.6%	15,881,745	16,945,446	-6.3%
COMEX E-Mini GOLD	QO	44,915	7,762	478.7%	31,114	44.4%	144,297	59,958	140.7%
COMEX E-Mini SILVER	QI	7,551	1,210	524.0%	4,349	73.6%	33,923	9,776	247.0%
COMEX COPPER	HG	2,397,053	3,402,437	-29.5%	1,875,657	27.8%	17,061,136	23,781,704	-28.3%
COMEX MINY COPPER	QC	733	381	92.4%	703	4.3%	5,345	3,921	36.3%
ALUMINUM	A38	0	0	0.0%	0	0.0%	22	0	0.0%
ALUMINUM	AEP	2,675	435	514.9%	2,065	29.5%	13,805	11,945	15.6%
ALUMINUM	ALA	15	360	-95.8%	0	0.0%	255	5,325	-95.2%
ALUMINUM	ALI	3,118	0	0.0%	350	790.9%	3,468	0	0.0%
ALUMINUM	AUP	6,175	3,462	78.4%	7,054	-12.5%	47,846	74,776	-36.0%
ALUMINUM	CUP	0	0	0.0%	0	0.0%	0	205	-100.0%
ALUMINUM	EDP	1,716	376	356.4%	3,840	-55.3%	16,570	10,623	56.0%
ALUMINUM	MJP	1,260	1,060	18.9%	2,680	-53.0%	8,140	9,435	-13.7%
COPPER	HGS	181	500	-63.8%	127	42.5%	6,052	11,139	-45.7%
E-MICRO GOLD	MGC	889,807	164,142	442.1%	608,677	46.2%	2,967,222	1,070,839	177.1%
FERROUS PRODUCTS	BUS	468	1,980	-76.4%	668	-29.9%	8,803	13,179	-33.2%
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	3,116	5,152	-39.5%	3,835	-18.7%	45,740	32,523	40.6%
LNDN ZINC	ZNC	0	1,435	-100.0%	0	0.0%	1,230	4,266	-71.2%
SILVER	SIL	56,056	9,435	494.1%	23,306	140.5%	174,868	60,622	188.5%
Metals Options									
COMEX COPPER	HX	56,611	28,755	96.9%	49,537	14.3%	479,964	200,632	139.2%
COMEX GOLD	OG	2,202,838	1,266,404	73.9%	1,546,529	42.4%	10,598,962	7,968,402	33.0%
COMEX SILVER	SO	341,165	197,561	72.7%	249,760	36.6%	1,391,577	1,265,729	9.9%
COPPER	H1E	172	16	975.0%	24	616.7%	328	29	1,031.0%
COPPER	H2E	181	53	241.5%	87	108.0%	586	107	447.7%
COPPER	H3E	40	90	-55.6%	10	300.0%	129	95	35.8%



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Commodity	VOLUME AUG 2019	VOLUME AUG 2018	% CHG	VOLUME JUL 2019	% CHG	VOLUME Y.T.D 2019	VOLUME Y.T.D 2018	% CHG	
Metals Options									
COPPER	H4E	10	40	-75.0%	10	0.0%	115	156	-26.3%
COPPER	H5E	77	12	541.7%	0	0.0%	97	12	708.3%
GOLD	OG1	38,813	9,401	312.9%	73,411	-47.1%	305,489	84,216	262.7%
GOLD	OG2	54,932	9,186	498.0%	48,588	13.1%	271,278	72,481	274.3%
GOLD	OG3	45,472	14,277	218.5%	42,269	7.6%	209,520	89,337	134.5%
GOLD	OG4	34,113	8,449	303.8%	17,200	98.3%	152,344	51,115	198.0%
GOLD	OG5	33,714	10,653	216.5%	0	0.0%	62,377	26,028	139.7%
HOT ROLLED COIL STEEL CALL OPTION	HRO	0	0	0.0%	300	-100.0%	900	0	0.0%
IRON ORE 62 CHINA TSI CALL OPTION	ICT	100	0	0.0%	0	0.0%	6,760	200	3,280.0%
IRON ORE 62 CHINA TSI PUT OPTION	ICT	0	0	0.0%	0	0.0%	3,600	1,280	181.3%
NYMEX PLATINUM	PO	3,236	3,984	-18.8%	1,149	181.6%	28,303	32,350	-12.5%
PALLADIUM	PAO	1,135	3,329	-65.9%	469	142.0%	9,939	24,551	-59.5%
SILVER	SO1	1,204	691	74.2%	2,428	-50.4%	11,816	3,036	289.2%
SILVER	SO2	1,779	637	179.3%	1,948	-8.7%	9,430	2,430	288.1%
SILVER	SO3	2,919	1,234	136.5%	860	239.4%	10,212	4,508	126.5%
SILVER	SO4	587	377	55.7%	459	27.9%	4,271	1,627	162.5%
SILVER	SO5	2,166	911	137.8%	0	0.0%	4,033	2,092	92.8%
TOTAL FUTURES GROUP									
Ag Products Futures		1	2	-50.0%	14	-92.9%	48	67	-28.4%
Energy Futures		48,367,232	39,639,789	22.0%	43,131,420	12.1%	360,938,334	377,032,360	-4.3%
Metals Futures		16,650,134	12,844,641	29.6%	14,679,597	13.4%	96,756,858	104,678,234	-7.6%
TOTAL FUTURES		65,017,367	52,484,432	23.9%	57,811,031	12.5%	457,695,240	481,710,661	-5.0%
TOTAL OPTIONS GROUP									
Energy Options		5,272,901	5,164,182	2.1%	4,877,393	8.1%	40,232,743	50,010,692	-19.6%
Metals Options		2,821,264	1,556,060	81.3%	2,035,038	38.6%	13,562,030	9,830,413	38.0%
TOTAL OPTIONS		8,094,165	6,720,242	20.4%	6,912,431	17.1%	53,794,773	59,841,105	-10.1%

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 AUG 2019	VOLUME AUG 2018	% CHG	VOLUME JUL 2019	% CHG	VOLUME Y.T.D 2019	VOLUME Y.T.D 2018	% CHG
TOTAL COMBINED								
Ag Products	1	2	-50.0%	14	-92.9%	48	67	-28.4%
Energy	53,640,133	44,803,971	19.7%	48,008,813	11.7%	401,171,077	427,043,052	-6.1%
Metals	19,471,398	14,400,701	35.2%	16,714,635	16.5%	110,318,888	114,508,647	-3.7%
GRAND TOTAL	73,111,532	59,204,674	23.5%	64,723,462	13.0%	511,490,013	541,551,766	-5.6%