



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



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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 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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Commodity		VOLUME AUG 2019	VOLUME AUG 2018	% CHG	VOLUME JUL 2019	% CHG	VOLUME Y.T.D 2019	VOLUME Y.T.D 2018	% CHG
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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Commodity		VOLUME AUG 2019	VOLUME AUG 2018	% CHG	VOLUME JUL 2019	% CHG	VOLUME Y.T.D 2019	VOLUME Y.T.D 2018	% CHG
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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Commodity		VOLUME AUG 2019	VOLUME AUG 2018	% CHG	VOLUME JUL 2019	% CHG	VOLUME Y.T.D 2019	VOLUME Y.T.D 2018	% CHG
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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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%

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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%