



NYMEX/COMEX Exchange Volume Report - Monthly

Commodity		VOLUME MAR 2019	VOLUME MAR 2018	% CHG	VOLUME FEB 2019	% CHG	VOLUME Y.T.D 2019	VOLUME Y.T.D 2018	% CHG
Ag Products Futures									
COCOA TAS	CJ	0	0	0.0%	0	0.0%	0	0	0.0%
COFFEE	KT	0	0	0.0%	0	-	0	0	0.0%
COTTON	TT	0	0	0.0%	0	0.0%	3	2	50.0%
SUGAR 11	YO	0	0	0.0%	0	0.0%	0	0	0.0%
Energy Futures									
CRUDE OIL PHY	CL	23,823,988	25,003,466	-4.7%	22,698,367	5.0%	72,487,681	80,291,006	-9.7%
CRUDE OIL	WS	7,441	500	1,388.2%	4,719	57.7%	15,630	4,339	260.2%
MINY WTI CRUDE OIL	QM	367,006	308,522	19.0%	380,566	-3.6%	1,255,616	833,333	50.7%
BRENT OIL LAST DAY	BZ	1,877,590	1,821,117	3.1%	1,522,396	23.3%	5,056,273	4,886,298	3.5%
HEATING OIL PHY	HO	3,382,272	3,715,839	-9.0%	3,043,056	11.1%	9,853,668	12,084,630	-18.5%
HTG OIL	BH	0	0	0.0%	0	0.0%	0	0	0.0%
MINY HTG OIL	QH	4	3	33.3%	3	33.3%	10	10	0.0%
RBOB PHY	RB	5,049,251	3,992,862	26.5%	3,660,391	37.9%	12,637,511	12,098,436	4.5%
MINY RBOB GAS	QU	9	2	350.0%	6	50.0%	21	9	133.3%
NATURAL GAS	HP	81,573	101,560	-19.7%	125,169	-34.8%	336,479	493,970	-31.9%
LTD NAT GAS	HH	276,785	308,387	-10.2%	363,890	-23.9%	1,013,188	1,233,322	-17.8%
MINY NATURAL GAS	QG	20,240	19,941	1.5%	22,339	-9.4%	85,328	115,129	-25.9%
PJM MONTHLY	JM	0	0	0.0%	0	0.0%	0	0	0.0%
NATURAL GAS PHY	NG	6,074,733	7,287,487	-16.6%	7,329,282	-17.1%	22,573,775	29,930,257	-24.6%
RBOB GAS	RT	0	1,920	-100.0%	0	0.0%	0	11,200	-100.0%
3.5% FUEL OIL CID MED SWA	7D	5	39	-87.2%	0	0.0%	5	349	-98.6%
3.5% FUEL OIL CIF BALMO S	8D	0	0	0.0%	20	-100.0%	20	0	0.0%
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	14,930	18,572	-19.6%	17,115	-12.8%	47,525	89,415	-46.8%
ARGUS PROPAN FAR EST INDE	7E	6,659	7,284	-8.6%	5,271	26.3%	19,462	20,140	-3.4%
ARGUS PROPAN(SAUDI ARAMCO	9N	2,822	2,877	-1.9%	2,664	5.9%	9,002	7,979	12.8%

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Energy Futures									
AUSTRIALIAN COKE COAL	ACT	0	0	0.0%	0	0.0%	0	0	0.0%
AUSTRIALIAN COKE COAL	ALW	0	0	0.0%	0	0.0%	0	0	0.0%
BRENT BALMO SWAP	J9	223	0	0.0%	125	78.4%	348	50	596.0%
BRENT CALENDAR SWAP	CY	1,683	796	111.4%	4,032	-58.3%	10,261	3,002	241.8%
BRENT CFD SWAP	6W	0	300	-100.0%	0	0.0%	0	300	-100.0%
BRENT FINANCIAL FUTURES	BB	0	6,500	-100.0%	0	0.0%	3,500	10,500	-66.7%
BRENT FINANCIAL FUTURES	MBC	60	0	-	0	0.0%	60	0	-
BRENT FINANCIAL FUTURES	MDB	0	0	0.0%	0	0.0%	0	0	0.0%
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	131,299	111,301	18.0%	92,092	42.6%	324,724	330,995	-1.9%
CHICAGO ULSD (PLATTS) SWA	4C	0	0	0.0%	0	-	0	0	0.0%
CHICAGO ULSD PL VS HO SPR	5C	150	180	-16.7%	721	-79.2%	1,831	1,074	70.5%
CHICAGO UNL GAS PL VS RBO	3C	0	225	-100.0%	405	-100.0%	515	525	-1.9%
CIG BASIS	CI	0	0	0.0%	0	0.0%	0	140	-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	260	1,056	-75.4%	890	-70.8%	2,216	3,504	-36.8%
CIN HUB 5MW REAL TIME O P	H4	3,920	0	0.0%	0	0.0%	3,920	0	0.0%
CIN HUB 5MW REAL TIME PK	H3	0	0	0.0%	325	-100.0%	325	0	0.0%
COAL SWAP	ACM	0	135	-100.0%	0	0.0%	0	150	-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%	0	0	0.0%
COLUMBIA GULF ONSHORE	GL	0	0	0.0%	0	-	0	0	0.0%
CONWAY NATURAL GASOLINE (OPIS) SWAP	8L	85	48	77.1%	600	-85.8%	844	500	68.8%
CONWAY NORMAL BUTANE (OPIS) SWAP	8M	323	110	193.6%	140	130.7%	513	190	170.0%
CONWAY PROPANE 5 DECIMALS SWAP	8K	11,171	17,872	-37.5%	11,250	-0.7%	42,374	46,633	-9.1%
CRUDE OIL	LPS	2,175	5,000	-56.5%	2,850	-23.7%	9,075	14,925	-39.2%
CRUDE OIL OUTRIGHTS	42	56	241	-76.8%	317	-82.3%	1,582	539	193.5%
CRUDE OIL OUTRIGHTS	CC5	90	0	0.0%	90	0.0%	810	0	0.0%

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CRUDE OIL OUTRIGHTS	CPD	0	324	-100.0%	0	0.0%	0	2,856	-100.0%
CRUDE OIL OUTRIGHTS	CSN	0	0	0.0%	0	-	0	0	0.0%
CRUDE OIL OUTRIGHTS	CSW	1,080	0	0.0%	170	535.3%	1,850	5	36,900.0%
CRUDE OIL OUTRIGHTS	DBL	0	24	-100.0%	0	0.0%	0	24	-100.0%
CRUDE OIL OUTRIGHTS	FE	0	0	0.0%	0	-	0	0	0.0%
CRUDE OIL OUTRIGHTS	GSW	0	0	0.0%	276	-100.0%	276	105	162.9%
CRUDE OIL OUTRIGHTS	HTT	68,250	35,996	89.6%	53,450	27.7%	168,953	151,764	11.3%
CRUDE OIL OUTRIGHTS	LSW	60	0	0.0%	150	-60.0%	2,065	230	797.8%
CRUDE OIL OUTRIGHTS	SSW	0	0	0.0%	0	0.0%	0	0	0.0%
CRUDE OIL OUTRIGHTS	UMD	0	900	-100.0%	0	0.0%	0	4,000	-100.0%
CRUDE OIL OUTRIGHTS	UNS	0	2,538	-100.0%	0	0.0%	0	5,554	-100.0%
CRUDE OIL OUTRIGHTS	WCC	0	0	0.0%	0	0.0%	0	0	0.0%
CRUDE OIL OUTRIGHTS	WCW	3,880	14,222	-72.7%	2,205	76.0%	21,052	31,852	-33.9%
CRUDE OIL PHY	CLL	0	0	0.0%	0	0.0%	0	0	0.0%
CRUDE OIL PHY	HCL	23,215	0	-	24,770	-6.3%	69,546	0	-
CRUDE OIL SPRDS	38	0	0	0.0%	0	0.0%	0	1,155	-100.0%
CRUDE OIL SPRDS	WTT	13,289	36,801	-63.9%	22,007	-39.6%	56,711	178,570	-68.2%
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	400	-100.0%	0	0.0%	600	2,060	-70.9%
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%
DOMINION TRAN INC - APP I	IH	0	0	0.0%	0	0.0%	0	0	0.0%

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Energy Futures									
DOMINION TRANSMISSION INC	PG	0	0	0.0%	0	0.0%	0	0	0.0%
DUBAI CRUDE OIL BALMO	BI	0	125	-100.0%	0	0.0%	0	125	-100.0%
DUBAI CRUDE OIL CALENDAR	DC	873	758	15.2%	9,085	-90.4%	15,298	7,760	97.1%
DUTCH TTF NATURAL GAS CAL MONTH FUT	TTF	11,512	1,230	835.9%	12,147	-5.2%	27,328	2,405	1,036.3%
DY EURO 3.5% FUEL OI RDA	FOR	0	0	0.0%	0	-	0	0	0.0%
EASTERN RAIL DELIVERY CSX	QX	0	15	-100.0%	0	0.0%	0	120	-100.0%
EAST/WEST FUEL OIL SPREAD	EW	0	12	-100.0%	0	0.0%	0	137	-100.0%
EIA FLAT TAX ONHWAY DIESE	A5	40	86	-53.5%	359	-88.9%	1,028	440	133.6%
ELEC ERCOT DLY OFF PK	I4	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	-
ELEC FINSETTLED	I47	0	0	0.0%	0	0.0%	0	0	0.0%
ELEC FINSETTLED	I49	0	0	0.0%	0	-	0	0	0.0%
ELEC MISO PEAK	I4L	0	0	0.0%	0	0.0%	0	0	0.0%
ELEC MISO PEAK	I55	0	0	0.0%	0	0.0%	0	0	0.0%
ELEC NYISO OFF-PEAK	I4M	0	0	0.0%	0	0.0%	0	0	0.0%
ELEC NYISO OFF-PEAK	I58	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	I46	0	0	0.0%	0	0.0%	0	0	0.0%
ELECTRICITY OFF PEAK	I4P	0	0	-	0	0.0%	0	0	-
ELECTRICITY OFF PEAK	I50	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	I11	0	630	-100.0%	0	0.0%	0	1,510	-100.0%
ERCOT NORTH ZMCPE 5MW OFFPEAK	I18	0	0	0.0%	0	0.0%	0	0	0.0%
ERCOT NORTH ZMCPE 5MW OFFPEAK SWAP	I16	0	0	0.0%	0	0.0%	0	0	0.0%
ERCOT NORTH ZMCPE 5MW PEAK	I15	0	630	-100.0%	0	0.0%	0	4,610	-100.0%
ETHANOL	MTH	0	0	-	10	-100.0%	10	0	-
ETHANOL	Z1B	0	0	-	0	0.0%	0	0	-
ETHANOL SWAP	MT2	70	10	600.0%	130	-46.2%	210	10	2,000.0%
ETHANOL T2 FOB ROTT INCL DUTY SWAP	Z1	5,065	3,198	58.4%	3,349	51.2%	13,434	9,127	47.2%
EURO 1% FUEL OIL NEW BALM	KX	0	0	0.0%	0	0.0%	0	5	-100.0%
EURO 3.5% FUEL OIL RDAM B	KR	105	449	-76.6%	0	0.0%	145	1,706	-91.5%
EURO 3.5% FUEL OIL SPREAD	FK	45	171	-73.7%	0	0.0%	45	291	-84.5%

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EURO-DENOMINATED PETRO PROD	NCP	0	0	0.0%	0	0.0%	0	0	0.0%
EURO GASOIL 10PPM VS ICE	ET	0	8	-100.0%	0	0.0%	0	355	-100.0%
EUROPE 1% FUEL OIL NWE CA	UF	0	90	-100.0%	4	-100.0%	94	258	-63.6%
EUROPE 1% FUEL OIL RDAM C	UH	0	0	0.0%	0	0.0%	0	0	0.0%
EUROPE 3.5% FUEL OIL MED	UI	78	99	-21.2%	40	95.0%	273	499	-45.3%
EUROPE 3.5% FUEL OIL RDAM	UV	1,837	8,226	-77.7%	610	201.1%	4,332	20,891	-79.3%
EUROPEAN GASOIL (ICE)	7F	220	400	-45.0%	80	175.0%	428	934	-54.2%
EUROPEAN NAPHTHA BALMO	KZ	288	214	34.6%	188	53.2%	757	896	-15.5%
EUROPEAN NAPHTHA CRACK SPR	EN	6,398	6,483	-1.3%	5,745	11.4%	17,107	28,923	-40.9%
EUROPE DATED BRENT SWAP	UB	176	0	0.0%	66	166.7%	748	0	0.0%
EUROPE JET KERO NWE CALSW	UJ	0	0	0.0%	0	0.0%	0	15	-100.0%
EUROPE NAPHTHA CALSWAP	UN	3,025	2,235	35.3%	2,458	23.1%	7,273	11,268	-35.5%
EURO PROPANE CIF ARA SWA	PS	2,897	1,979	46.4%	1,231	135.3%	6,321	6,740	-6.2%
FLORIDA GAS ZONE3 BASIS S	FP	0	0	0.0%	0	-	0	0	0.0%
FREIGHT MARKETS	FLP	44	234	-81.2%	75	-41.3%	430	448	-4.0%
FREIGHT MARKETS	FRC	355	55	545.5%	0	0.0%	370	185	100.0%
FREIGHT MARKETS	FRS	0	0	0.0%	0	0.0%	0	0	0.0%
FREIGHT MARKETS	T2D	150	0	0.0%	45	233.3%	1,875	488	284.2%
FREIGHT MARKETS	TC6	0	0	0.0%	0	0.0%	0	240	-100.0%
FREIGHT MARKETS	TD3	70	0	-	0	0.0%	70	0	-
FREIGHT MARKETS	TD8	0	0	-	60	-100.0%	60	0	-
FUEL OIL CRACK VS ICE	FO	1,831	7,229	-74.7%	979	87.0%	3,930	14,582	-73.0%
FUEL OIL NWE CRACK VS ICE	FI	0	0	0.0%	0	0.0%	15	156	-90.4%
FUEL OIL (PLATS) CAR CM	1W	0	50	-100.0%	0	0.0%	0	154	-100.0%
FUEL OIL (PLATS) CAR CN	1X	0	0	0.0%	0	0.0%	0	45	-100.0%
FUELOIL SWAP:CARGOES VS.B	FS	171	273	-37.4%	393	-56.5%	729	974	-25.2%
GAS EURO-BOB OXY NWE BARGES	7H	9,345	7,271	28.5%	5,854	59.6%	23,769	23,470	1.3%
GAS EURO-BOB OXY NWE BARGES CRK	7K	12,886	21,980	-41.4%	7,528	71.2%	31,067	69,960	-55.6%
GASOIL 0.1 CIF MED SWAP	Z4	0	0	0.0%	0	-	0	0	0.0%
GASOIL 0.1CIF MED VS ICE	Z5	0	10	-100.0%	0	0.0%	0	10	-100.0%
GASOIL 0.1 CIF NWE VS ISE	TU	0	0	0.0%	0	-	0	0	0.0%
GASOIL 0.1 CIF VS ICE GAS	8W	0	0	0.0%	0	-	0	0	0.0%
GASOIL 0.1 RDAM BRGS VS I	WQ	0	0	0.0%	15	-100.0%	15	5	200.0%
GASOIL 0.1 ROTTERDAM BARG	VL	12	5	140.0%	0	0.0%	24	45	-46.7%
GASOIL 10P CRG CIF NW VS	3V	0	0	0.0%	0	-	0	0	0.0%
GASOIL 10PPM VS ICE SWAP	TP	15	12	25.0%	0	0.0%	24	12	100.0%

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Energy Futures									
GASOIL BULLET SWAP	BG	0	0	0.0%	0	-	0	0	0.0%
GASOIL CALENDAR SWAP	GX	0	6	-100.0%	48	-100.0%	54	12	350.0%
GASOIL CRACK SPREAD CALEN	GZ	150	2,084	-92.8%	312	-51.9%	462	22,517	-97.9%
GASOIL MINI CALENDAR SWAP	QA	138	0	0.0%	113	22.1%	592	426	39.0%
GERMAN POWER BASELOAD CAL MONTH FU	DEB	4,944	501	886.8%	150	3,196.0%	5,937	1,872	217.1%
GROUP THREE ULSD (PLATTS)	A7	0	0	0.0%	0	0.0%	0	115	-100.0%
GROUP THREE UNLEAD GAS (P	A9	0	0	-	0	0.0%	0	0	-
GRP THREE ULSD(PLT)VS HEA	A6	2,575	2,530	1.8%	2,308	11.6%	8,640	12,320	-29.9%
GRP THREE UNL GS (PLT) VS	A8	4,885	1,990	145.5%	2,260	116.2%	10,629	5,988	77.5%
GULF COAST 3% FUEL OIL BA	VZ	1,099	796	38.1%	82	1,240.2%	2,670	4,549	-41.3%
GULF COAST JET FUEL CLNDR	GE	51	42	21.4%	0	0.0%	267	297	-10.1%
GULF COAST JET VS NYM 2 H	ME	20,270	47,433	-57.3%	17,999	12.6%	55,846	156,319	-64.3%
GULF COAST NO.6 FUEL OIL	MF	22,736	64,242	-64.6%	22,598	0.6%	80,005	180,796	-55.7%
GULF COAST NO.6 FUEL OIL	MG	283	2,377	-88.1%	245	15.5%	918	4,818	-80.9%
GULF COAST ULSD CALENDAR	LY	183	80	128.8%	337	-45.7%	1,113	554	100.9%
GULF COAST ULSD CRACK SPR	GY	0	100	-100.0%	0	0.0%	0	1,195	-100.0%
HEATING OIL BALMO CLNDR S	1G	0	0	0.0%	10	-100.0%	10	56	-82.1%
HEATING OIL PHY	HOL	0	0	0.0%	0	0.0%	0	0	0.0%
HENRY HUB BASIS SWAP	HB	0	360	-100.0%	0	0.0%	0	4,952	-100.0%
HENRY HUB FINANCIAL LAST	NBP	0	1,367	-100.0%	0	0.0%	0	4,068	-100.0%
HENRY HUB FINANCIAL LAST	TTE	0	464	-100.0%	0	0.0%	0	595	-100.0%
HENRY HUB INDEX SWAP FUTU	IN	0	360	-100.0%	0	0.0%	0	4,952	-100.0%
HENRY HUB SWAP	NN	59,967	132,155	-54.6%	130,209	-53.9%	379,318	515,389	-26.4%
HOUSTON SHIP CHANNEL BASI	NH	0	0	0.0%	0	0.0%	0	0	0.0%
HUSTN SHIP CHNL PIPE SWP	XJ	0	0	0.0%	0	-	0	0	0.0%
ICE BRENT DUBAI SWAP	DB	1,015	9,914	-89.8%	4,940	-79.5%	15,125	29,774	-49.2%
ICE GASOIL BALMO SWAP	U9	0	0	0.0%	0	-	0	0	0.0%
IN DELIVERY MONTH EUA	6T	0	0	0.0%	0	0.0%	0	0	0.0%
INDIANA MISO	FAD	0	0	0.0%	0	0.0%	0	0	0.0%
INDIANA MISO	FTD	0	0	0.0%	0	0.0%	0	0	0.0%
INDIANA MISO	FTM	0	0	0.0%	0	-	0	0	0.0%
INDIANA MISO	PDD	0	0	0.0%	0	0.0%	0	0	0.0%
INDIANA MISO	PTD	0	0	0.0%	0	0.0%	0	0	0.0%
INDONESIAN COAL	MCC	0	0	0.0%	0	-	0	0	0.0%
INDONESIAN COAL ICI4	ICI	1,053	90	1,070.0%	135	680.0%	1,433	120	1,094.2%
ISO NEW ENGLAND OFF-PEAK	KI	0	0	0.0%	0	0.0%	0	0	0.0%

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Energy Futures									
ISO NEW ENGLAND PK LMP	NI	0	0	0.0%	0	0.0%	0	0	0.0%
JAPAN C&F NAPHTHA CRACK S	JB	0	135	-100.0%	0	0.0%	0	690	-100.0%
JAPAN C&F NAPHTHA SWAP	JA	1,683	1,530	10.0%	1,267	32.8%	4,352	5,933	-26.6%
JAPAN NAPHTHA BALMO SWAP	E6	92	15	513.3%	25	268.0%	271	103	163.1%
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	0	0	0.0%	10	-100.0%	70	400	-82.5%
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	2,740	10,604	-74.2%	2,290	19.7%	9,649	25,784	-62.6%
JKM LNG Futures	JKM	3,929	1,150	241.7%	850	362.2%	5,304	1,445	267.1%
LA CARB DIESEL (OPIS)	LX	0	0	0.0%	0	-	0	0	0.0%
LA CARB DIESEL (OPIS) SWA	KL	125	225	-44.4%	75	66.7%	285	675	-57.8%
LA CARBOB GASOLINE(OPIS)S	JL	375	475	-21.1%	400	-6.3%	1,575	1,825	-13.7%
LA JET FUEL VS NYM NO 2 H	MQ	0	0	0.0%	0	-	0	0	0.0%
LA JET (OPIS) SWAP	JS	1,025	2,075	-50.6%	1,150	-10.9%	3,775	6,900	-45.3%
LLS (ARGUS) CALENDAR SWAP	XA	0	0	-	0	0.0%	0	0	-
LLS (ARGUS) VS WTI SWAP	WJ	3,910	6,713	-41.8%	1,100	255.5%	9,188	13,137	-30.1%
LOS ANGELES CARB GASOLINE	MH	0	0	-	0	0.0%	0	0	-
MARS (ARGUS) VS WTI SWAP	YX	3,655	2,275	60.7%	1,000	265.5%	7,405	11,015	-32.8%
MARS (ARGUS) VS WTI TRD M	YV	11,215	22,696	-50.6%	18,919	-40.7%	64,343	95,006	-32.3%
MARS BLEND CRUDE OIL	MB	0	389	-100.0%	0	0.0%	0	1,169	-100.0%
MCCLOSKEY ARA ARGS COAL	MTF	34,063	25,033	36.1%	25,550	33.3%	85,145	83,893	1.5%
MCCLOSKEY RCH BAY COAL	MFF	2,478	3,147	-21.3%	3,582	-30.8%	8,444	11,646	-27.5%
MGF FUT	MGF	0	0	0.0%	0	0.0%	0	80	-100.0%
MGN1 SWAP FUT	MGN	50	93	-46.2%	10	400.0%	170	353	-51.8%
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	44	286	-84.6%	135	-67.4%	636	887	-28.3%
MINI RBOB V. EBOBARG NWE BRGS BALMO	MXR	230	71	223.9%	490	-53.1%	1,596	191	735.6%
MINI RBOB V. EBOB(ARGUS) NWE BRGS	MXB	1,955	1,271	53.8%	2,058	-5.0%	5,689	4,196	35.6%
MJC FUT	MJC	30	210	-85.7%	40	-25.0%	110	780	-85.9%
MNC FUT	MNC	5,376	3,808	41.2%	4,258	26.3%	13,251	11,046	20.0%
MONT BELVIEU ETHANE 5 DECIMAL	C0	12,640	14,849	-14.9%	8,921	41.7%	40,828	49,796	-18.0%
MONT BELVIEU ETHANE OPIS BALMO	8C	50	15	233.3%	75	-33.3%	595	565	5.3%
MONT BELVIEU LDH PROPANE 5 DECIMAL	B0	137,375	121,247	13.3%	115,572	18.9%	387,741	398,987	-2.8%

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Energy Futures									
MONT BELVIEU LDH PROPANE OPIS BALMO	8O	2,553	2,756	-7.4%	3,027	-15.7%	11,774	11,769	0.0%
MONT BELVIEU NATURAL GASOLINE 5 DEC	7Q	7,665	9,342	-18.0%	9,377	-18.3%	24,403	29,549	-17.4%
MONT BELVIEU NATURAL GASOLINE BALMO	R0	715	665	7.5%	278	157.2%	2,209	1,545	43.0%
MONT BELVIEU NORMAL BUTANE 5 DECIMAL	D0	36,495	26,240	39.1%	28,713	27.1%	105,192	75,487	39.4%
MONT BELVIEU NORMAL BUTANE BALMO	8J	1,430	1,031	38.7%	1,306	9.5%	4,534	3,039	49.2%
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	20,814	26,372	-21.1%	29,965	-30.5%	79,852	130,877	-39.0%
NEPOOL CNCTCT 5MW D AH O	P3	0	0	0.0%	0	0.0%	0	0	0.0%
NEPOOL CONECTIC 5MW D AH	P2	0	0	0.0%	0	0.0%	0	0	0.0%
NEPOOL INTR HUB 5MW D AH	H2	0	0	0.0%	16,560	-100.0%	16,560	61,920	-73.3%
NEPOOL INTR HUB 5MW D AH	U6	0	0	0.0%	0	0.0%	0	3,415	-100.0%
NEPOOL NE MASS 5MW D AH O	P8	0	0	0.0%	0	0.0%	0	0	0.0%
NEPOOL NE MASS 5MW D AH P	P7	0	0	0.0%	0	0.0%	0	0	0.0%
NEPOOL RHD ISLD 5MW D AH	U4	0	0	0.0%	0	0.0%	0	0	0.0%
NEPOOL RHODE IL 5MW D AH	U5	0	0	0.0%	0	0.0%	0	0	0.0%
NEPOOL W CNT MASS 5MW D A	L9	0	0	0.0%	0	0.0%	0	0	0.0%
NEPOOL W CNTR M 5MW D AH	R6	0	0	0.0%	0	0.0%	0	0	0.0%
NEW ENGLAND HUB PEAK DAIL	CE	0	0	0.0%	0	0.0%	0	0	0.0%
NEW YORK ETHANOL SWAP	EZ	1,142	2,100	-45.6%	305	274.4%	2,287	5,946	-61.5%
NEW YORK HUB ZONE G PEAK	GN	0	0	0.0%	0	0.0%	0	0	0.0%
NEW YORK HUB ZONE J PEAK	JN	0	0	0.0%	0	0.0%	0	0	0.0%
NGPL MID-CONTINENT	NL	0	0	0.0%	400	-100.0%	1,240	400	210.0%
NGPL TEX/OK	PD	0	76	-100.0%	0	0.0%	0	7,716	-100.0%
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	225	275	-18.2%	250	-10.0%	575	1,235	-53.4%
NORTHEN NATURAL GAS DEMAR	PE	0	0	0.0%	0	0.0%	0	0	0.0%
NORTHEN NATURAL GAS VENTU	PF	0	0	0.0%	0	0.0%	0	100	-100.0%
NORTHERN ILLINOIS OFF-PEA	UO	0	0	0.0%	0	-	0	0	0.0%
NORTHWEST ROCKIES BASIS S	NR	0	0	0.0%	1,770	-100.0%	3,106	0	0.0%
N ROCKIES PIPE SWAP	XR	0	0	0.0%	0	0.0%	0	0	0.0%
NY1% VS GC SPREAD SWAP	VR	360	2,690	-86.6%	695	-48.2%	1,615	6,260	-74.2%
NY 2.2% FUEL OIL (PLATTS)	Y3	0	0	0.0%	0	-	0	0	0.0%

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Energy Futures									
NY 3.0% FUEL OIL (PLATTS)	H1	200	275	-27.3%	75	166.7%	450	775	-41.9%
NY HARBOR 1% FUEL OIL BAL	VK	0	0	0.0%	0	0.0%	0	0	0.0%
NY HARBOR HEAT OIL SWP	MP	954	926	3.0%	2,169	-56.0%	5,688	4,424	28.6%
NY HARBOR LOW SULPUR GAS 1000MBBL	NLS	0	1,550	-100.0%	0	0.0%	315	2,375	-86.7%
NY HARBOR RESIDUAL FUEL 1	MM	977	1,345	-27.4%	1,154	-15.3%	2,876	3,917	-26.6%
NY HARBOR RESIDUAL FUEL C	ML	0	0	-	0	0.0%	0	0	-
NYH NO 2 CRACK SPREAD CAL	HK	265	867	-69.4%	210	26.2%	865	3,272	-73.6%
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	24	-100.0%	60	-100.0%	240	144	66.7%
NYISO CAPACITY	NNC	0	120	-100.0%	0	0.0%	0	170	-100.0%
NYISO CAPACITY	NRS	0	108	-100.0%	0	0.0%	60	108	-44.4%
NYISO G	KG	0	0	0.0%	0	-	0	0	0.0%
NYISO G OFF-PEAK	KH	0	0	0.0%	0	-	0	0	0.0%
NYISO J	KJ	0	0	0.0%	0	0.0%	0	0	0.0%
NYISO J OFF-PEAK	KK	0	0	0.0%	0	0.0%	0	0	0.0%
NYISO ZONE A 5MW D AH O P	K4	0	0	0.0%	0	0.0%	0	0	0.0%
NYISO ZONE A 5MW D AH PK	K3	0	0	0.0%	0	0.0%	0	0	0.0%
NYISO ZONE C 5MW D AH O P	A3	0	0	0.0%	0	-	0	0	0.0%
NYISO ZONE C 5MW D AH PK	Q5	0	0	0.0%	0	-	0	0	0.0%
NYISO ZONE G 5MW D AH O P	D2	0	264,520	-100.0%	5,520	-100.0%	5,520	346,270	-98.4%
NYISO ZONE G 5MW D AH PK	T3	0	2,340	-100.0%	0	0.0%	0	3,395	-100.0%
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	700	0	0.0%	750	-6.7%	1,450	0	0.0%
NY ULSD (ARGUS) VS HEATING OIL	7Y	27	0	0.0%	48	-43.8%	417	0	0.0%
ONEOK OKLAHOMA NG BASIS	8X	0	0	0.0%	0	0.0%	0	0	0.0%
ONTARIO POWER SWAPS	OFD	0	0	0.0%	0	0.0%	0	0	0.0%
ONTARIO POWER SWAPS	OFM	0	0	0.0%	0	-	0	0	0.0%
ONTARIO POWER SWAPS	OPD	0	0	0.0%	0	0.0%	0	10	-100.0%
ONTARIO POWER SWAPS	OPM	0	0	0.0%	0	-	0	0	0.0%
PANHANDLE BASIS SWAP FUTU	PH	0	0	0.0%	0	0.0%	0	275	-100.0%
PANHANDLE PIPE SWAP	XH	0	0	0.0%	0	0.0%	0	0	0.0%
PERMIAN BASIS SWAP	PM	0	0	0.0%	0	0.0%	0	0	0.0%
PETROCHEMICALS	22	70	118	-40.7%	184	-62.0%	528	410	28.8%

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Energy Futures									
PETROCHEMICALS	32	233	213	9.4%	106	119.8%	397	569	-30.2%
PETROCHEMICALS	3NA	0	0	-	0	0.0%	17	0	-
PETROCHEMICALS	51	0	0	0.0%	0	0.0%	0	3	-100.0%
PETROCHEMICALS	8I	527	777	-32.2%	294	79.3%	1,781	2,415	-26.3%
PETROCHEMICALS	91	438	546	-19.8%	325	34.8%	1,590	1,821	-12.7%
PETROCHEMICALS	HPE	0	0	0.0%	0	-	0	0	0.0%
PETROCHEMICALS	MAA	0	0	-	0	0.0%	30	0	-
PETROCHEMICALS	MAC	0	0	0.0%	0	-	0	0	0.0%
PETROCHEMICALS	MAE	275	250	10.0%	129	113.2%	674	530	27.2%
PETROCHEMICALS	MAS	145	140	3.6%	60	141.7%	495	360	37.5%
PETROCHEMICALS	MBE	300	520	-42.3%	190	57.9%	780	3,010	-74.1%
PETROCHEMICALS	MNB	352	2,575	-86.3%	1,521	-76.9%	2,996	5,763	-48.0%
PETROCHEMICALS	MPS	155	70	121.4%	60	158.3%	530	230	130.4%
PETRO CRCKS & SPRDS ASIA	JNC	0	0	0.0%	0	0.0%	0	0	0.0%
PETRO CRCKS & SPRDS ASIA	STI	0	0	0.0%	0	-	0	0	0.0%
PETRO CRCKS & SPRDS ASIA	STR	0	0	0.0%	0	0.0%	0	0	0.0%
PETRO CRCKS & SPRDS ASIA	STS	28	0	0.0%	0	0.0%	28	409	-93.2%
PETRO CRCKS & SPRDS NA	CRB	8,090	150	5,293.3%	2,250	259.6%	18,740	765	2,349.7%
PETRO CRCKS & SPRDS NA	EXR	4,516	2,605	73.4%	3,054	47.9%	9,982	8,925	11.8%
PETRO CRCKS & SPRDS NA	FOC	220	1,300	-83.1%	500	-56.0%	1,370	2,400	-42.9%
PETRO CRCKS & SPRDS NA	GBB	900	213	322.5%	200	350.0%	2,800	2,175	28.7%
PETRO CRCKS & SPRDS NA	GCC	0	400	-100.0%	0	0.0%	0	800	-100.0%
PETRO CRCKS & SPRDS NA	GCI	1,516	1,054	43.8%	200	658.0%	3,486	5,233	-33.4%
PETRO CRCKS & SPRDS NA	GCM	0	21	-100.0%	0	0.0%	0	21	-100.0%
PETRO CRCKS & SPRDS NA	GCU	4,774	7,060	-32.4%	2,928	63.0%	12,284	29,417	-58.2%
PETRO CRCKS & SPRDS NA	GFC	0	0	0.0%	100	-100.0%	100	0	0.0%
PETRO CRCKS & SPRDS NA	HOB	180	3,315	-94.6%	0	0.0%	960	5,311	-81.9%
PETRO CRCKS & SPRDS NA	KSD	0	0	0.0%	0	-	0	0	0.0%
PETRO CRCKS & SPRDS NA	MFR	0	0	-	0	0.0%	0	0	-
PETRO CRCKS & SPRDS NA	NFG	0	0	0.0%	0	0.0%	0	50	-100.0%
PETRO CRCKS & SPRDS NA	NYF	0	0	0.0%	0	0.0%	0	0	0.0%
PETRO CRCKS & SPRDS NA	NYH	0	0	0.0%	0	-	0	0	0.0%
PETRO CRCKS & SPRDS NA	RBB	7,407	4,444	66.7%	12,039	-38.5%	30,103	13,310	126.2%
PETRO CRCKS & SPRDS NA	RVG	17,455	17,962	-2.8%	16,628	5.0%	46,398	51,179	-9.3%
PETRO CRCKS & SPRDS NA	SF3	145	36	302.8%	206	-29.6%	351	201	74.6%
PETRO CRK&SPRD EURO	1NB	1,710	1,935	-11.6%	1,292	32.4%	5,537	6,362	-13.0%

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Energy Futures									
PETRO CRK&SPRD EURO	1ND	0	0	0.0%	0	0.0%	0	100	-100.0%
PETRO CRK&SPRD EURO	43	0	260	-100.0%	0	0.0%	0	1,138	-100.0%
PETRO CRK&SPRD EURO	BFR	60	0	0.0%	0	-	60	0	0.0%
PETRO CRK&SPRD EURO	BOB	513	1,621	-68.4%	459	11.8%	1,653	5,075	-67.4%
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	15	15	0.0%	0	0.0%	15	108	-86.1%
PETRO CRK&SPRD EURO	EPN	654	1,233	-47.0%	549	19.1%	1,877	3,405	-44.9%
PETRO CRK&SPRD EURO	EVC	665	1,776	-62.6%	273	143.6%	1,613	6,146	-73.8%
PETRO CRK&SPRD EURO	FBT	60	0	-	0	-	60	0	-
PETRO CRK&SPRD EURO	FVB	0	0	0.0%	0	0.0%	0	30	-100.0%
PETRO CRK&SPRD EURO	GCB	0	0	0.0%	0	0.0%	282	175	61.1%
PETRO CRK&SPRD EURO	GOC	0	15	-100.0%	0	0.0%	0	84	-100.0%
PETRO CRK&SPRD EURO	MGB	60	80	-25.0%	0	0.0%	60	80	-25.0%
PETRO CRK&SPRD EURO	MUD	0	23	-100.0%	0	0.0%	10	123	-91.9%
PETRO CRK&SPRD EURO	NBB	5	0	0.0%	32	-84.4%	37	30	23.3%
PETRO CRK&SPRD EURO	NOB	717	1,324	-45.8%	565	26.9%	1,937	5,421	-64.3%
PETRO CRK&SPRD EURO	SFB	0	0	0.0%	0	0.0%	30	0	0.0%
PETROLEUM PRODUCTS	1NM	0	0	-	70	-100.0%	70	0	-
PETROLEUM PRODUCTS	EWB	0	0	0.0%	0	-	0	0	0.0%
PETROLEUM PRODUCTS	EWG	2,000	3,434	-41.8%	4,234	-52.8%	9,869	19,009	-48.1%
PETROLEUM PRODUCTS	MBS	0	0	0.0%	0	-	0	0	0.0%
PETROLEUM PRODUCTS	MGS	0	0	0.0%	0	-	0	0	0.0%
PETROLEUM PRODUCTS	MME	0	0	0.0%	0	0.0%	0	30	-100.0%
PETROLEUM PRODUCTS	MPE	0	0	0.0%	0	0.0%	0	0	0.0%
PETROLEUM PRODUCTS	VU	0	0	0.0%	0	0.0%	135	0	0.0%
PETROLEUM PRODUCTS ASIA	E6M	10	0	0.0%	10	0.0%	50	344	-85.5%
PETROLEUM PRODUCTS ASIA	MJN	1,766	1,605	10.0%	1,675	5.4%	5,168	6,785	-23.8%
PETROLEUM PRODUCTS ASIA	MSB	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTRIGHT EURO	0B	0	0	0.0%	0	0.0%	0	50	-100.0%
PETRO OUTRIGHT EURO	0C	0	0	0.0%	0	0.0%	5	0	0.0%
PETRO OUTRIGHT EURO	0D	1,122	1,162	-3.4%	875	28.2%	3,343	2,974	12.4%
PETRO OUTRIGHT EURO	0E	0	0	0.0%	13	-100.0%	31	10	210.0%
PETRO OUTRIGHT EURO	0F	656	592	10.8%	307	113.7%	1,228	1,772	-30.7%
PETRO OUTRIGHT EURO	1T	0	0	0.0%	0	0.0%	0	15	-100.0%
PETRO OUTRIGHT EURO	33	0	0	0.0%	0	0.0%	0	0	0.0%

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Energy Futures									
PETRO OUTFRIGHT EURO	5L	71	0	0.0%	0	0.0%	123	43	186.0%
PETRO OUTFRIGHT EURO	63	0	5	-100.0%	0	0.0%	0	37	-100.0%
PETRO OUTFRIGHT EURO	6L	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTFRIGHT EURO	7I	175	0	0.0%	0	0.0%	352	64	450.0%
PETRO OUTFRIGHT EURO	7R	117	145	-19.3%	519	-77.5%	817	978	-16.5%
PETRO OUTFRIGHT EURO	88	0	0	0.0%	0	0.0%	0	50	-100.0%
PETRO OUTFRIGHT EURO	CBB	0	35	-100.0%	0	0.0%	0	55	-100.0%
PETRO OUTFRIGHT EURO	CGB	0	0	0.0%	10	-100.0%	20	0	0.0%
PETRO OUTFRIGHT EURO	CPB	290	826	-64.9%	250	16.0%	1,225	2,135	-42.6%
PETRO OUTFRIGHT EURO	EFF	20	0	0.0%	20	0.0%	105	0	0.0%
PETRO OUTFRIGHT EURO	EFM	0	0	0.0%	22	-100.0%	22	0	0.0%
PETRO OUTFRIGHT EURO	ENS	10	0	0.0%	0	0.0%	10	55	-81.8%
PETRO OUTFRIGHT EURO	ESB	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTFRIGHT EURO	EWN	944	606	55.8%	848	11.3%	2,497	2,287	9.2%
PETRO OUTFRIGHT EURO	FBD	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTFRIGHT EURO	FLB	0	0	-	0	0.0%	6	0	-
PETRO OUTFRIGHT EURO	GES	0	0	-	0	0.0%	0	0	-
PETRO OUTFRIGHT EURO	MBB	0	0	0.0%	0	0.0%	0	136	-100.0%
PETRO OUTFRIGHT EURO	MBN	260	1,652	-84.3%	230	13.0%	856	4,016	-78.7%
PETRO OUTFRIGHT EURO	MEF	335	0	-	302	10.9%	970	0	-
PETRO OUTFRIGHT EURO	R53	12	0	-	0	-	12	0	-
PETRO OUTFRIGHT EURO	R5O	30	0	-	0	-	30	0	-
PETRO OUTFRIGHT EURO	S5M	9	0	-	23	-60.9%	52	0	-
PETRO OUTFRIGHT EURO	SMU	0	150	-100.0%	125	-100.0%	125	328	-61.9%
PETRO OUTFRIGHT EURO	T0	0	0	0.0%	0	0.0%	0	0	0.0%
PETRO OUTFRIGHT EURO	T2B	0	0	-	0	0.0%	15	0	-
PETRO OUTFRIGHT EURO	ULB	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTFRIGHT EURO	V0	0	200	-100.0%	0	0.0%	0	680	-100.0%
PETRO OUTFRIGHT EURO	X0	0	0	-	0	0.0%	0	0	-
PETRO OUTFRIGHT NA	FCB	0	64	-100.0%	0	0.0%	0	199	-100.0%
PETRO OUTFRIGHT NA	FOM	0	0	0.0%	0	0.0%	0	0	0.0%
PETRO OUTFRIGHT NA	JE	0	24	-100.0%	0	0.0%	0	69	-100.0%
PETRO OUTFRIGHT NA	JET	2,350	2,850	-17.5%	2,200	6.8%	6,475	7,755	-16.5%
PETRO OUTFRIGHT NA	JTB	800	825	-3.0%	600	33.3%	2,125	1,775	19.7%
PETRO OUTFRIGHT NA	MBL	0	10	-100.0%	0	0.0%	0	10	-100.0%
PETRO OUTFRIGHT NA	MEN	312	403	-22.6%	81	285.2%	672	833	-19.3%

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Energy Futures									
PETRO OUTRIGHT NA	MEO	3,114	3,233	-3.7%	2,707	15.0%	8,572	12,302	-30.3%
PETRO OUTRIGHT NA	MFD	0	0	0.0%	0	0.0%	0	30	-100.0%
PETRO OUTRIGHT NA	MMF	81	9	800.0%	74	9.5%	226	35	545.7%
PETRO OUTRIGHT NA	NYT	0	0	0.0%	0	-	0	0	0.0%
PETRO OUTRIGHT NA	XER	0	0	-	0	0.0%	0	0	-
PJM AD HUB 5MW REAL TIME	V3	0	28,032	-100.0%	46,720	-100.0%	70,120	28,032	150.1%
PJM AD HUB 5MW REAL TIME	Z9	0	2,413	-100.0%	0	0.0%	1,275	7,513	-83.0%
PJM AECO DA OFF-PEAK	X1	0	0	0.0%	0	-	0	0	0.0%
PJM AECO DA PEAK	Y1	0	0	0.0%	0	-	0	0	0.0%
PJM APS ZONE DA OFF-PEAK	W4	0	0	0.0%	0	-	0	0	0.0%
PJM APS ZONE DA PEAK	S4	0	0	0.0%	0	-	0	0	0.0%
PJM ATSI ELEC	MOD	0	0	0.0%	0	0.0%	0	0	0.0%
PJM ATSI ELEC	MPD	0	0	0.0%	0	0.0%	0	0	0.0%
PJM BGE DA OFF-PEAK	R3	0	0	0.0%	0	0.0%	0	0	0.0%
PJM BGE DA PEAK	E3	0	0	0.0%	0	0.0%	0	0	0.0%
PJM COMED 5MW D AH O PK	D9	0	0	0.0%	0	0.0%	0	0	0.0%
PJM COMED 5MW D AH PK	D8	0	0	0.0%	0	0.0%	0	0	0.0%
PJM DAILY	JD	0	0	0.0%	0	0.0%	0	0	0.0%
PJM DAYTON DA OFF-PEAK	R7	0	0	0.0%	0	0.0%	0	0	0.0%
PJM DAYTON DA PEAK	D7	0	0	0.0%	0	0.0%	0	0	0.0%
PJM JCPL DA OFF-PEAK	F2	0	0	0.0%	0	-	0	0	0.0%
PJM JCPL DA PEAK	J2	0	0	0.0%	0	-	0	0	0.0%
PJM NI HUB 5MW REAL TIME	B3	0	0	0.0%	0	0.0%	0	5,100	-100.0%
PJM NI HUB 5MW REAL TIME	B6	0	0	0.0%	0	0.0%	0	0	0.0%
PJM NILL DA OFF-PEAK	L3	0	0	0.0%	0	0.0%	0	0	0.0%
PJM NILL DA PEAK	N3	0	0	0.0%	0	0.0%	0	0	0.0%
PJM OFF-PEAK LMP SWAP FUT	JP	0	0	0.0%	0	0.0%	0	0	0.0%
PJM PECO ZONE5MW PEAK CAL MO DAY AH	4N	0	0	-	0	0.0%	0	0	-
PJM PPL DA OFF-PEAK	F5	0	0	0.0%	0	-	0	0	0.0%
PJM PPL DA PEAK	L5	0	0	0.0%	0	-	0	0	0.0%
PJM PSEG DA OFF-PEAK	W6	0	0	0.0%	0	0.0%	0	0	0.0%
PJM PSEG DA PEAK	L6	0	0	0.0%	0	0.0%	0	0	0.0%
PJM WESTH DA OFF-PEAK	E4	0	0	0.0%	0	0.0%	0	46,800	-100.0%
PJM WESTHDA PEAK	J4	0	0	0.0%	0	0.0%	0	2,550	-100.0%
PJM WESTH RT OFF-PEAK	N9	0	0	0.0%	0	0.0%	23,400	70,200	-66.7%
PJM WESTH RT PEAK	L1	10,200	8,944	14.0%	2,880	254.2%	15,683	24,594	-36.2%

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Energy Futures									
PLASTICS	PGP	490	250	96.0%	938	-47.8%	2,905	1,282	126.6%
PREMIUM UNLND 10P FOB MED	3G	34	265	-87.2%	150	-77.3%	542	1,311	-58.7%
PREMIUM UNLEAD 10PPM FOB	8G	0	10	-100.0%	18	-100.0%	18	165	-89.1%
PREM UNL GAS 10PPM RDAM FOB BALMO	7N	0	0	0.0%	0	0.0%	20	80	-75.0%
PREM UNL GAS 10PPM RDAM FOB SWAP	7L	0	0	0.0%	15	-100.0%	30	10	200.0%
PROPANE NON-LDH MB (OPIS) BALMO SWP	1S	1,359	1,035	31.3%	2,923	-53.5%	7,050	1,764	299.7%
PROPANE NON-LDH MT. BEL (OPIS) SWP	1R	20,068	14,845	35.2%	17,659	13.6%	54,518	29,916	82.2%
RBOB CALENDAR SWAP	RL	4,531	4,080	11.1%	6,132	-26.1%	15,520	11,940	30.0%
RBOB CRACK SPREAD	RM	1,195	542	120.5%	660	81.1%	2,530	2,572	-1.6%
RBOB CRACK SPREAD BALMO S	1E	0	0	0.0%	0	-	0	0	0.0%
RBOB GASOLINE BALMO CLNDR	1D	511	616	-17.0%	1,532	-66.6%	2,703	1,503	79.8%
RBOB PHY	RBL	0	0	0.0%	0	0.0%	0	0	0.0%
RBOB SPREAD (PLATTS) SWAP	RI	0	0	0.0%	0	0.0%	0	0	0.0%
RBOB VS HEATING OIL SWAP	RH	0	150	-100.0%	75	-100.0%	75	550	-86.4%
SAN JUAN BASIS SWAP	NJ	0	0	0.0%	0	0.0%	0	31	-100.0%
SAN JUAN PIPE SWAP	XX	0	0	-	0	0.0%	0	0	-
SINGAPORE 180CST BALMO	BS	17	25	-32.0%	10	70.0%	37	120	-69.2%
SINGAPORE 380CST BALMO	BT	90	133	-32.3%	5	1,700.0%	115	289	-60.2%
SINGAPORE 380CST FUEL OIL	SE	2,852	7,439	-61.7%	2,571	10.9%	9,759	18,103	-46.1%
SINGAPORE FUEL 180CST CAL	UA	368	546	-32.6%	201	83.1%	835	2,040	-59.1%
SINGAPORE FUEL OIL SPREAD	SD	55	1,604	-96.6%	63	-12.7%	230	2,615	-91.2%
SINGAPORE GASOIL	MAF	2,207	0	-	1,799	22.7%	5,565	0	-
SINGAPORE GASOIL	MTB	63	190	-66.8%	45	40.0%	145	268	-45.9%
SINGAPORE GASOIL	MTS	3,494	5,431	-35.7%	3,059	14.2%	11,277	15,195	-25.8%
SINGAPORE GASOIL	STZ	0	150	-100.0%	0	0.0%	0	4,150	-100.0%
SINGAPORE GASOIL CALENDAR	GDH	0	0	0.0%	0	0.0%	0	50	-100.0%
SINGAPORE GASOIL CALENDAR	GDH	0	0	0.0%	0	0.0%	0	250	-100.0%
SINGAPORE GASOIL CALENDAR	GHS	0	0	0.0%	0	0.0%	0	0	0.0%
SINGAPORE GASOIL CALENDAR	MGO	0	0	0.0%	0	0.0%	0	200	-100.0%
SINGAPORE GASOIL CALENDAR	MSG	320	110	190.9%	90	255.6%	670	3,759	-82.2%
SINGAPORE GASOIL CALENDAR	SGG	0	0	0.0%	0	0.0%	0	325	-100.0%
SINGAPORE GASOIL SWAP	SG	688	1,315	-47.7%	861	-20.1%	3,537	15,527	-77.2%
SINGAPORE GASOIL VS ICE	GA	3,075	14,815	-79.2%	0	0.0%	4,340	64,735	-93.3%
SINGAPORE JET KERO BALMO	BX	0	0	0.0%	0	0.0%	0	165	-100.0%
SINGAPORE JET KERO GASOIL	RK	0	2,425	-100.0%	0	0.0%	100	18,120	-99.4%
SINGAPORE JET KEROSENE SW	KS	515	565	-8.8%	390	32.1%	1,645	3,635	-54.7%

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Energy Futures									
SINGAPORE JET KERO VS. GASOIL BALMO	Z0	0	0	0.0%	0	0.0%	0	25	-100.0%
SINGAPORE MOGAS 92 UNLEADED BALMO	1P	450	225	100.0%	375	20.0%	925	1,363	-32.1%
SINGAPORE MOGAS 92 UNLEADED SWP	1N	18,344	13,451	36.4%	19,364	-5.3%	52,478	52,645	-0.3%
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	0	0.0%
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	370	172	115.1%	240	54.2%	730	518	40.9%
TC5 RAS TANURA TO YOKOHAM	TH	485	20	2,325.0%	385	26.0%	1,240	220	463.6%
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	3,756	1,030	264.7%	4,020	-6.6%	11,971	1,805	563.2%
TENNESSEE 500 LEG BASIS S	NM	0	0	0.0%	0	-	0	0	0.0%
TENNESSEE 800 LEG NG BASI	6Z	0	0	0.0%	0	-	0	0	0.0%
TENNESSEE ZONE 0 BASIS SW	NQ	0	0	0.0%	0	0.0%	0	0	0.0%
TETCO M-3 INDEX	IX	0	0	0.0%	0	-	0	0	0.0%
Tetco STX Basis	TX	0	0	0.0%	0	0.0%	0	0	0.0%
TEXAS EASTERN ZONE M-3 BA	NX	0	0	0.0%	0	0.0%	0	0	0.0%
TEXAS GAS ZONE1 NG BASIS	9F	0	0	0.0%	0	0.0%	0	0	0.0%
Transco Zone 3 Basis	CZ	0	0	0.0%	0	0.0%	0	0	0.0%
TRANSCO ZONE 3 NG INDEX S	Y6	0	0	0.0%	0	-	0	0	0.0%
TRANSCO ZONE4 BASIS SWAP	TR	0	0	0.0%	0	0.0%	0	0	0.0%
TRANSCO ZONE 4 NAT GAS IN	B2	0	0	0.0%	0	-	0	0	0.0%
TRANSCO ZONE 6 BASIS SWAP	NZ	0	0	0.0%	0	0.0%	0	0	0.0%
TRANSCO ZONE 6 INDEX	IT	0	0	0.0%	0	-	0	0	0.0%
UCM FUT	UCM	0	20	-100.0%	20	-100.0%	20	50	-60.0%
UK NBP NAT GAS CAL MTH FUT	UKG	894	5,150	-82.6%	705	26.8%	2,774	9,715	-71.4%
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	6,145	3,500	75.6%	5,385	14.1%	20,070	14,240	40.9%
UP DOWN GC ULSD VS NMX HO	LT	23,313	30,926	-24.6%	23,401	-0.4%	83,189	112,196	-25.9%
WAHA BASIS	NW	300	0	0.0%	0	0.0%	425	2,086	-79.6%

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Commodity		VOLUME MAR 2019	VOLUME MAR 2018	% CHG	VOLUME FEB 2019	% CHG	VOLUME Y.T.D 2019	VOLUME Y.T.D 2018	% CHG
Energy Futures									
WAHA INDEX SWAP FUTURE	IY	0	0	0.0%	0	-	0	0	0.0%
WESTERN RAIL DELIVERY PRB	QP	0	0	0.0%	0	0.0%	0	15	-100.0%
WTI-BRENT BULLET SWAP	BY	0	0	0.0%	0	0.0%	600	0	0.0%
WTI-BRENT CALENDAR SWAP	BK	30,610	34,796	-12.0%	27,935	9.6%	78,870	116,309	-32.2%
WTI CALENDAR	CS	53,364	29,601	80.3%	40,180	32.8%	123,082	110,441	11.4%
WTS (ARGUS) VS WTI SWAP	FF	2,880	10,838	-73.4%	210	1,271.4%	11,208	32,198	-65.2%
WTS (ARGUS) VS WTI TRD MT	FH	1,052	72	1,361.1%	600	75.3%	3,012	222	1,256.8%
Energy Options									
12 MO GASOIL CAL SWAP SPR	GXZ	0	0	0.0%	0	-	0	0	0.0%
BRENT 1 MONTH CAL	AA	0	0	0.0%	0	0.0%	0	3,000	-100.0%
BRENT CALENDAR SWAP	BA	0	0	0.0%	0	0.0%	0	1,140	-100.0%
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	3,100	122,200	-97.5%	3,000	3.3%	21,100	122,200	-82.7%
BRENT CRUDE OIL 6 M CSO	9L	0	0	-	0	0.0%	0	0	-
BRENT OIL LAST DAY	BE	23,148	32,815	-29.5%	49,146	-52.9%	116,843	34,815	235.6%
BRENT OIL LAST DAY	BZO	99,051	124,942	-20.7%	72,955	35.8%	275,770	323,460	-14.7%
BRENT OIL LAST DAY	OS	0	0	0.0%	0	0.0%	0	1,040	-100.0%
COAL API2 INDEX	CLA	50	1,055	-95.3%	0	0.0%	50	2,740	-98.2%
COAL API2 INDEX	CQA	300	275	9.1%	35	757.1%	510	650	-21.5%
COAL API2 INDEX	MTC	0	0	0.0%	0	-	0	0	0.0%
COAL API4 INDEX	RLA	0	0	0.0%	0	0.0%	0	25	-100.0%
COAL API4 INDEX	RQA	0	0	0.0%	0	0.0%	0	60	-100.0%
COAL SWAP	CPF	0	0	0.0%	0	0.0%	0	0	0.0%
COAL SWAP	RPF	0	0	0.0%	0	0.0%	0	0	0.0%
CRUDE OIL	6Y	150	0	-	0	-	150	0	-
CRUDE OIL 1MO	WA	207,304	91,250	127.2%	141,200	46.8%	688,304	500,985	37.4%
CRUDE OIL APO	AO	93,804	66,502	41.1%	42,399	121.2%	152,420	171,969	-11.4%
CRUDE OIL CALNDR STRIP	6F	200	0	-	0	0.0%	200	0	-
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%	135	-100.0%	960	0	0.0%
CRUDE OIL PHY	CD	250	925	-73.0%	0	0.0%	250	3,175	-92.1%
CRUDE OIL PHY	LC	5,000	9,424	-46.9%	10,880	-54.0%	22,986	39,701	-42.1%
CRUDE OIL PHY	LO	2,057,104	3,355,272	-38.7%	2,045,862	0.5%	6,591,754	11,197,993	-41.1%



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Commodity		VOLUME MAR 2019	VOLUME MAR 2018	% CHG	VOLUME FEB 2019	% CHG	VOLUME Y.T.D 2019	VOLUME Y.T.D 2018	% CHG
Energy Options									
CRUDE OIL PHY	LO1	6,141	6,473	-5.1%	21,001	-70.8%	46,105	33,652	37.0%
CRUDE OIL PHY	LO2	13,688	7,009	95.3%	14,585	-6.2%	44,417	37,293	19.1%
CRUDE OIL PHY	LO3	87	7,138	-98.8%	9,024	-99.0%	16,533	31,090	-46.8%
CRUDE OIL PHY	LO4	14,375	16,266	-11.6%	10,739	33.9%	34,978	39,581	-11.6%
CRUDE OIL PHY	LO5	19,538	13,277	47.2%	38	51,315.8%	19,576	13,277	47.4%
ELEC MISO PEAK	9T	0	0	0.0%	0	-	0	0	0.0%
ETHANOL	CE1	0	100	-100.0%	0	0.0%	0	100	-100.0%
ETHANOL	CE3	0	0	0.0%	0	0.0%	0	0	0.0%
ETHANOL SWAP	CVR	8,533	7,151	19.3%	6,214	37.3%	20,252	24,507	-17.4%
ETHANOL SWAP	GVR	180	78	130.8%	0	0.0%	780	1,083	-28.0%
EUROPEAN JET KEROSENE NWE (PLATTS) A	30	0	0	0.0%	0	-	0	0	0.0%
GASOLINE	GCE	0	0	0.0%	0	-	0	0	0.0%
HEATING OIL CRACK OPTIONS	CH	0	0	0.0%	0	-	0	0	0.0%
HEATING OIL CRK SPD AVG PRICE OPTIONS	3W	0	0	0.0%	0	-	0	0	0.0%
HEATING OIL PHY	LB	205	0	0.0%	128	60.2%	333	0	0.0%
HEATING OIL PHY	OH	20,910	23,526	-11.1%	27,577	-24.2%	79,538	108,965	-27.0%
HENRY HUB FINANCIAL LAST	E7	4,757	1,671	184.7%	2,947	61.4%	18,039	13,062	38.1%
HO 1 MONTH CLNDR OPTIONS	FA	0	0	0.0%	0	0.0%	1,000	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 ARGV COAL	MTO	0	0	0.0%	0	0.0%	130	90	44.4%
MCCLOSKEY RCH BAY COAL	MFO	0	675	-100.0%	220	-100.0%	220	1,525	-85.6%
NATURAL GAS	G10	0	0	0.0%	0	-	0	0	0.0%
NATURAL GAS 1 M CSO FIN	G4	7,850	0	0.0%	39,150	-79.9%	162,500	212,542	-23.5%
NATURAL GAS 2 M CSO FIN	G2	500	0	0.0%	0	0.0%	500	0	0.0%
NATURAL GAS 3 M CSO FIN	G3	4,550	30	15,066.7%	550	727.3%	5,100	6,481	-21.3%
NATURAL GAS 5 M CSO FIN	G5	0	1,450	-100.0%	0	0.0%	0	1,450	-100.0%
NATURAL GAS 6 M CSO FIN	G6	400	24,200	-98.3%	8,200	-95.1%	17,075	62,650	-72.7%
NATURAL GAS OPTION ON CALENDAR STRP	6J	2,800	1,320	112.1%	3,600	-22.2%	7,300	13,824	-47.2%
NATURAL GAS PHY	KD	872	11,016	-92.1%	2,598	-66.4%	5,770	73,234	-92.1%
NATURAL GAS PHY	LN	899,140	1,084,375	-17.1%	1,260,170	-28.6%	4,449,251	7,068,945	-37.1%
NATURAL GAS PHY	ON	86,680	91,745	-5.5%	129,774	-33.2%	399,708	624,362	-36.0%
NATURAL GAS WINTER STRIP	6I	0	0	-	0	0.0%	0	0	-
N ROCKIES PIPE SWAP	ZR	0	0	0.0%	0	0.0%	0	0	0.0%
NY HARBOR HEAT OIL SWP	AT	1,432	2,287	-37.4%	799	79.2%	4,478	9,887	-54.7%
NYISO ZONE G 5MW PEAK OPTIONS	9U	0	0	0.0%	0	0.0%	0	0	0.0%

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Energy Options									
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	32	0	0.0%	1,210	-97.4%	1,467	1,633	-10.2%
PETROCHEMICALS	4J	0	0	0.0%	0	0.0%	0	1,350	-100.0%
PETROCHEMICALS	4K	0	0	0.0%	0	0.0%	0	0	0.0%
PETROCHEMICALS	CPR	0	0	0.0%	0	0.0%	0	0	0.0%
PETRO OUTRIGHT EURO	8H	0	0	0.0%	0	0.0%	0	0	0.0%
PETRO OUTRIGHT EURO	BCO	0	0	-	0	0.0%	24	0	-
PETRO OUTRIGHT NA	DAP	0	0	0.0%	0	0.0%	0	0	0.0%
PJM WES HUB PEAK CAL MTH	6OA	100	60	66.7%	20	400.0%	120	80	50.0%
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	396	764	-48.2%	0	0.0%	836	2,993	-72.1%
RBOB 1MO CAL SPD OPTIONS	ZA	0	300	-100.0%	0	0.0%	150	500	-70.0%
RBOB CALENDAR SWAP	RA	57	150	-62.0%	0	0.0%	237	450	-47.3%
RBOB CRACK	RX	0	0	-	0	0.0%	0	0	-
RBOB PHY	OB	10,391	8,412	23.5%	15,194	-31.6%	33,767	38,084	-11.3%
RBOB PHY	RF	20	0	0.0%	496	-96.0%	516	125	312.8%
ROTTERDAM 3.5%FUEL OIL CL	Q6	0	0	0.0%	0	0.0%	0	0	0.0%
SAN JUAN PIPE SWAP	PJ	0	0	0.0%	0	0.0%	0	0	0.0%
SHORT TERM	C15	0	0	-	0	0.0%	0	0	-
SHORT TERM	U11	0	0	0.0%	250	-100.0%	250	300	-16.7%
SHORT TERM	U12	0	0	0.0%	700	-100.0%	700	210	233.3%
SHORT TERM	U13	0	0	0.0%	0	0.0%	0	0	0.0%
SHORT TERM	U14	0	0	0.0%	0	0.0%	50	635	-92.1%
SHORT TERM	U15	0	250	-100.0%	600	-100.0%	800	275	190.9%
SHORT TERM	U22	0	0	0.0%	0	0.0%	0	1,025	-100.0%
SHORT TERM	U23	0	150	-100.0%	0	0.0%	0	330	-100.0%
SHORT TERM	U24	0	0	0.0%	0	0.0%	0	100	-100.0%
SHORT TERM	U25	0	0	0.0%	0	0.0%	0	0	0.0%
SHORT TERM	U26	0	0	0.0%	0	0.0%	0	0	0.0%
SHORT TERM NATURAL GAS	U01	0	0	0.0%	25	-100.0%	525	125	320.0%
SHORT TERM NATURAL GAS	U02	0	520	-100.0%	0	0.0%	0	975	-100.0%
SHORT TERM NATURAL GAS	U03	0	0	0.0%	0	0.0%	0	130	-100.0%
SHORT TERM NATURAL GAS	U04	0	0	0.0%	600	-100.0%	600	250	140.0%
SHORT TERM NATURAL GAS	U05	0	0	0.0%	200	-100.0%	200	425	-52.9%
SHORT TERM NATURAL GAS	U06	50	0	0.0%	0	0.0%	50	0	0.0%

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Energy Options									
SHORT TERM NATURAL GAS	U07	300	0	0.0%	200	50.0%	600	250	140.0%
SHORT TERM NATURAL GAS	U08	0	0	0.0%	500	-100.0%	500	1,225	-59.2%
SHORT TERM NATURAL GAS	U09	0	100	-100.0%	0	0.0%	100	276	-63.8%
SHORT TERM NATURAL GAS	U10	0	0	0.0%	0	0.0%	0	100	-100.0%
SHORT TERM NATURAL GAS	U16	0	50	-100.0%	0	0.0%	100	585	-82.9%
SHORT TERM NATURAL GAS	U17	0	0	0.0%	0	0.0%	0	220	-100.0%
SHORT TERM NATURAL GAS	U18	0	0	0.0%	0	0.0%	0	500	-100.0%
SHORT TERM NATURAL GAS	U19	0	0	0.0%	0	0.0%	0	60	-100.0%
SHORT TERM NATURAL GAS	U20	0	0	0.0%	0	0.0%	0	0	0.0%
SHORT TERM NATURAL GAS	U21	50	0	0.0%	0	0.0%	50	0	0.0%
SHORT TERM NATURAL GAS	U27	0	200	-100.0%	0	0.0%	0	250	-100.0%
SHORT TERM NATURAL GAS	U28	25	0	0.0%	400	-93.8%	425	100	325.0%
SHORT TERM NATURAL GAS	U29	0	200	-100.0%	0	0.0%	0	300	-100.0%
SHORT TERM NATURAL GAS	U30	0	0	0.0%	0	0.0%	0	100	-100.0%
SHORT TERM NATURAL GAS	U31	0	0	0.0%	0	0.0%	850	25	3,300.0%
SINGAPORE GASOIL CALENDAR	M2	0	0	0.0%	0	0.0%	0	0	0.0%
SINGAPORE JET FUEL CALEND	N2	0	0	0.0%	0	0.0%	0	0	0.0%
SOCAL PIPE SWAP	ZN	0	0	0.0%	0	-	0	0	0.0%
WTI-BRENT BULLET SWAP	BV	23,700	156,858	-84.9%	75,650	-68.7%	185,505	385,728	-51.9%
WTI CRUDE OIL 1 M CSO FI	7A	57,850	86,625	-33.2%	32,050	80.5%	150,350	203,550	-26.1%
Metals Futures									
COMEX GOLD	GC	6,711,526	8,036,082	-16.5%	4,010,538	67.3%	16,967,875	23,276,524	-27.1%
NYMEX HOT ROLLED STEEL	HR	13,165	9,655	36.4%	15,281	-13.8%	50,146	29,162	72.0%
NYMEX PLATINUM	PL	633,174	562,720	12.5%	384,444	64.7%	1,380,067	1,353,301	2.0%
PALLADIUM	PA	113,193	101,277	11.8%	147,433	-23.2%	367,665	364,553	0.9%
URANIUM	UX	3,117	200	1,458.5%	1,000	211.7%	5,675	885	541.2%
COMEX SILVER	SI	1,418,526	1,842,321	-23.0%	1,783,560	-20.5%	4,728,353	6,184,629	-23.5%
COMEX E-Mini GOLD	QO	8,207	6,801	20.7%	5,083	61.5%	19,532	21,557	-9.4%
COMEX E-Mini SILVER	QI	3,102	1,258	146.6%	2,775	11.8%	6,710	3,758	78.6%
COMEX COPPER	HG	1,748,142	2,510,551	-30.4%	2,441,593	-28.4%	6,205,637	8,272,369	-25.0%
COMEX MINY COPPER	QC	534	402	32.8%	664	-19.6%	1,673	1,868	-10.4%
ALUMINUM	A38	0	0	0.0%	0	0.0%	22	0	0.0%
ALUMINUM	AEP	240	1,498	-84.0%	1,579	-84.8%	5,528	4,048	36.6%

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Metals Futures									
ALUMINUM	ALA	120	30	300.0%	0	0.0%	120	875	-86.3%
ALUMINUM	ALI	0	0	0.0%	0	0.0%	0	0	0.0%
ALUMINUM	AUP	4,600	12,182	-62.2%	4,786	-3.9%	18,924	39,253	-51.8%
ALUMINUM	CUP	0	0	0.0%	0	0.0%	0	205	-100.0%
ALUMINUM	EDP	3,810	2,150	77.2%	2,560	48.8%	7,532	6,518	15.6%
ALUMINUM	MJP	1,315	4,395	-70.1%	860	52.9%	2,220	6,105	-63.6%
COPPER	HGS	423	3,847	-89.0%	1,197	-64.7%	2,451	9,382	-73.9%
E-MICRO GOLD	MGC	244,516	117,149	108.7%	165,381	47.9%	618,701	385,747	60.4%
FERROUS PRODUCTS	BUS	579	779	-25.7%	1,383	-58.1%	2,947	7,707	-61.8%
GOLD	GPS	0	0	0.0%	0	-	0	0	0.0%
Gold Kilo	GCK	0	35	-100.0%	0	0.0%	0	76	-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	6,223	5,870	6.0%	5,430	14.6%	24,924	10,825	130.2%
LNDN ZINC	ZNC	122	0	0.0%	280	-56.4%	969	33	2,836.4%
SILVER	SIL	13,899	5,150	169.9%	17,517	-20.7%	46,770	19,933	134.6%
Metals Options									
COMEX COPPER	HX	65,521	17,801	268.1%	70,292	-6.8%	186,344	57,852	222.1%
COMEX GOLD	OG	1,182,883	940,584	25.8%	727,549	62.6%	2,938,032	2,883,383	1.9%
COMEX SILVER	SO	124,809	125,745	-0.7%	109,350	14.1%	392,343	413,993	-5.2%
COPPER	H1E	10	0	-	20	-50.0%	36	0	-
COPPER	H2E	10	0	-	0	0.0%	22	0	-
COPPER	H3E	11	0	-	10	10.0%	27	0	-
COPPER	H4E	10	0	-	6	66.7%	22	0	-
COPPER	H5E	10	0	-	0	0.0%	10	0	-
GOLD	OG1	19,560	9,447	107.0%	27,283	-28.3%	58,748	30,371	93.4%
GOLD	OG2	35,529	6,822	420.8%	14,608	143.2%	65,471	25,196	159.8%
GOLD	OG3	29,057	6,800	327.3%	10,535	175.8%	54,149	28,361	90.9%
GOLD	OG4	12,444	4,614	169.7%	6,423	93.7%	26,516	15,426	71.9%
GOLD	OG5	13,723	6,835	100.8%	0	0.0%	13,723	6,835	100.8%
HOT ROLLED COIL STEEL CALL OPTION	HRO	600	0	0.0%	0	0.0%	600	0	0.0%
IRON ORE 62 CHINA TSI CALL OPTION	ICT	3,240	200	1,520.0%	150	2,060.0%	3,510	200	1,655.0%
IRON ORE 62 CHINA TSI PUT OPTION	ICT	1,800	360	400.0%	0	0.0%	1,800	1,080	66.7%
NYMEX PLATINUM	PO	1,956	3,477	-43.7%	4,133	-52.7%	10,356	11,593	-10.7%
PALLADIUM	PAO	1,571	3,184	-50.7%	1,036	51.6%	3,937	9,772	-59.7%

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Commodity	VOLUME MAR 2019	VOLUME MAR 2018	% CHG	VOLUME FEB 2019	% CHG	VOLUME Y.T.D 2019	VOLUME Y.T.D 2018	% CHG	
Metals Options									
SILVER SO1	610	350	74.3%	536	13.8%	2,547	500	409.4%	
SILVER SO2	971	155	526.5%	491	97.8%	1,892	235	705.1%	
SILVER SO3	1,374	267	414.6%	1,163	18.1%	3,396	437	677.1%	
SILVER SO4	371	98	278.6%	215	72.6%	726	319	127.6%	
SILVER SO5	1,305	133	881.2%	0	0.0%	1,305	133	881.2%	
TOTAL FUTURES GROUP									
Ag Products Futures	0	0	0.0%	0	0.0%	3	2	50.0%	
Energy Futures	41,981,760	44,013,951	-4.6%	40,185,680	4.5%	128,577,058	146,551,705	-12.3%	
Metals Futures	10,928,533	13,224,352	-17.4%	8,993,344	21.5%	30,464,441	39,999,313	-23.8%	
TOTAL FUTURES	52,910,293	57,238,303	-7.6%	49,179,024	7.6%	159,041,502	186,551,020	-14.7%	
TOTAL OPTIONS GROUP									
Energy Options	3,675,070	5,359,086	-31.4%	4,031,021	-8.8%	13,583,652	21,426,797	-36.6%	
Metals Options	1,497,375	1,126,872	32.9%	973,800	53.8%	3,765,512	3,485,686	8.0%	
TOTAL OPTIONS	5,172,445	6,485,958	-20.3%	5,004,821	3.3%	17,349,164	24,912,483	-30.4%	
TOTAL COMBINED									
Ag Products	0	0	0.0%	0	-	3	2	50.0%	
Energy	45,656,830	49,373,037	-7.5%	44,216,701	3.3%	142,160,710	167,978,502	-15.4%	
Metals	12,425,908	14,351,224	-13.4%	9,967,144	24.7%	34,229,953	43,484,999	-21.3%	
GRAND TOTAL	58,082,738	63,724,261	-8.9%	54,183,845	7.2%	176,390,666	211,463,503	-16.6%	

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