

NYMEX/COMEX Exchange ADV Report - Monthly

April 2019

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Commodity		ADV APR 2019	ADV APR 2018	% CHG	ADV MAR 2019	% CHG	ADV Y.T.D 2019	ADV Y.T.D 2018	% CHG
Metals Futures									
COMEX GOLD	GC	242,683	316,907.67	-23.4%	319,596.48	-24.1%	269,076	365,019.33	-26.3%
NYMEX HOT ROLLED STEEL	HR	906	574.95	57.6%	626.9	44.6%	844	502.88	67.8%
NYMEX PLATINUM	PL	18,967	20,176.43	-6.0%	30,151.14	-37.1%	21,688	21,670.8	0.1%
PALLADIUM	PA	4,604	6,911.33	-33.4%	5,390.14	-14.6%	5,663	6,215.74	-8.9%
URANIUM	UX	48	1.29	3603.7%	148.43	-67.9%	81	11.12	631.9%
COMEX SILVER	SI	91,443	125,036	-26.9%	67,548.86	35.4%	81,081	107,443.72	-24.5%
COMEX E-Mini GOLD	QO	439	332.76	31.9%	390.81	12.3%	351	348.11	0.7%
COMEX E-Mini SILVER	QI	189	57.19	230.6%	147.71	28.0%	130	60.48	115.4%
COMEX COPPER	HG	106,833	147,188.43	-27.4%	83,244.86	28.3%	103,038	138,577.15	-25.6%
COMEX MINY COPPER	QC	37	25.29	46.7%	25.43	45.9%	30	29.26	2.2%
ALUMINUM	A38	0	0	-	0	-	0	0	-
ALUMINUM	AEP	111	142.29	-21.8%	11.43	873.7%	96	85.8	11.8%
ALUMINUM	ALA	0	97.62	-100.0%	5.71	-100.0%	1	35.67	-95.9%
ALUMINUM	ALI	0	0	-	0	-	0	0	-
ALUMINUM	AUP	299	533.57	-43.9%	219.05	36.6%	307	615.34	-50.0%
ALUMINUM	CUP	0	0	-	0	-	0	2.5	-100.0%
ALUMINUM	EDP	71	8.29	757.5%	181.43	-60.8%	110	81.61	34.8%
ALUMINUM	MJP	26	56.86	-54.8%	62.62	-58.9%	34	89.01	-62.2%
COPPER	HGS	57	32.9	73.1%	20.14	182.7%	44	122.84	-63.8%
E-MICRO GOLD	MGC	8,804	6,352.62	38.6%	11,643.62	-24.4%	9,800	6,331.12	54.8%
FERROUS PRODUCTS	BUS	118	70.81	66.8%	27.57	328.3%	66	112.12	-41.0%
Gold Kilo	GCK	0	2.86	-100.0%	0	-	0	1.66	-100.0%
IRON ORE 62 CHINA PLATTS FUTURES	PIO	0	0	-	0	-	0	0	-
IRON ORE 62 CHINA TSI FUTURES	TIO	211	170.9	23.5%	296.33	-28.8%	358	175.78	103.7%
LNDN ZINC	ZNC	6	0.33	1571.6%	5.81	-4.1%	13	0.49	2615.0%
SILVER	SIL	754	444.52	69.6%	661.86	13.9%	763	356.93	113.9%
Metals Options									
COMEX COPPER	HX	3,323	1,160.19	186.4%	3,120.05	6.5%	3,123	1,002.63	211.5%
COMEX GOLD	OG	38,430	45,682.81	-15.9%	56,327.76	-31.8%	45,672	46,862.46	-2.5%
COMEX SILVER	SO	4,932	8,438.43	-41.6%	5,943.29	-17.0%	6,048	7,209.76	-16.1%
COPPER	H1E	3	0	-	0.48	540.0%	1	0	-
COPPER	H2E	1	0	-	0.48	150.0%	1	0	-
COPPER	H3E	0	0	-	0.52	-100.0%	0	0	-

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Metals Options									
COPPER	H4E	0	0	-	0.48	0.0%	0	0	-
COPPER	H5E	0	0	-	0.48	-100.0%	0	0	-
GOLD	OG1	1,678	509.57	229.2%	931.43	80.1%	1,146	500.88	128.8%
GOLD	OG2	1,160	348.95	232.5%	1,691.86	-31.4%	1,096	396.63	176.2%
GOLD	OG3	889	393.86	125.6%	1,383.67	-35.8%	888	446.73	98.8%
GOLD	OG4	519	385	34.8%	592.57	-12.4%	456	286.72	59.1%
GOLD	OG5	0	0	-	653.48	-100.0%	167	83.35	100.8%
HOT ROLLED COIL STEEL CALL OPTION	HRO	0	0	-	28.57	-100.0%	7	0	-
IRON ORE 62 CHINA TSI CALL OPTION	ICT	150	0	-	154.29	-2.8%	81	2.44	3230.0%
IRON ORE 62 CHINA TSI PUT OPTION	ICT	86	0	-	85.71	0.0%	44	13.17	233.3%
NYMEX PLATINUM	PO	202	44.81	349.9%	93.14	116.5%	178	152.85	16.4%
PALLADIUM	PAO	73	218.57	-66.7%	74.81	-2.7%	67	175.15	-61.9%
SILVER	SO1	47	5.76	715.7%	29.05	61.8%	43	7.57	469.1%
SILVER	SO2	70	5.48	1171.3%	46.24	50.6%	41	4.27	858.3%
SILVER	SO3	54	15.29	252.3%	65.43	-17.7%	55	9.24	497.2%
SILVER	SO4	40	2.19	1704.4%	17.67	123.7%	19	4.45	326.3%
SILVER	SO5	0	0	-	62.14	-100.0%	16	1.62	881.2%
Energy Futures									
CRUDE OIL PHY	CL	1,315,648	1,332,243.48	-1.2%	1,134,475.62	16.0%	1,220,930	1,320,342.91	-7.5%
CRUDE OIL	WS	51	0	-	354.33	-85.7%	204	52.91	284.7%
MINY WTI CRUDE OIL	QM	14,264	16,853.43	-15.4%	17,476.48	-18.4%	18,965	14,478.72	31.0%
BRENT OIL LAST DAY	BZ	114,065	93,734.48	21.7%	89,409.05	27.6%	90,874	83,594.17	8.7%
HEATING OIL PHY	HO	142,808	193,634.86	-26.2%	161,060.57	-11.3%	156,739	196,962.95	-20.4%
HTG OIL	BH	2	2.29	0.0%	0	-	1	0.59	0.0%
MINY HTG OIL	QH	0	0.14	33.3%	0.19	0.0%	0	0.16	7.7%
RBOB PHY	RB	249,708	193,683.67	28.9%	240,440.52	3.9%	218,066	197,143.82	10.6%
MINY RBOB GAS	QU	0	0.14	0.0%	0.43	-66.7%	0	0.15	100.1%
NATURAL GAS	HP	5,053	4,615.81	9.5%	3,884.43	30.1%	5,397	7,206.12	-25.1%
LTD NAT GAS	HH	13,835	12,562.19	10.1%	13,180.24	5.0%	15,899	18,257.66	-12.9%
MINY NATURAL GAS	QG	989	849.95	16.3%	963.81	2.6%	1,294	1,621.68	-20.2%
PJM MONTHLY	JM	0	0	-	0	-	0	0	-
NATURAL GAS PHY	NG	330,667	400,438.24	-17.4%	289,273	14.3%	359,973	467,554.39	-23.0%

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Energy Futures									
RBOB GAS	RT	3	101.33	-97.2%	0	-	1	162.54	-99.5%
3.5% FUEL OIL CID MED SWA	7D	0	2.29	-89.6%	0.24	0.0%	0	4.84	-97.5%
3.5% FUEL OIL CIF BALMO S	8D	0	4.29	-100.0%	0	-	0	1.1	-77.8%
AEP-DAYTON HUB DAILY	VD	0	0	-	0	-	0	0	-
AEP-DAYTON HUB MTHLY	VM	0	0	-	0	-	0	0	-
AEP-DAYTON HUB OFF-PEAK M	VP	0	0	-	0	-	0	0	-
ALGONQUIN CITYGATES BASIS	B4	0	0	-	0	-	0	0	-
ANR OKLAHOMA	NE	0	0	-	0	-	0	0	-
ARGUS LLS VS. WTI (ARG) T	E5	583	952.38	-38.7%	710.95	-17.9%	729	1,334.33	-45.4%
ARGUS PROPAN FAR EST INDE	7E	321	374.43	-14.3%	317.1	1.2%	320	341.5	-6.4%
ARGUS PROPAN(SAUDI ARAMCO	9N	167	170.24	-1.7%	134.38	24.6%	153	140.9	8.3%
AUSTRIALIAN COKE COAL	ACT	0	0	-	0	-	0	0	-
AUSTRIALIAN COKE COAL	ALW	0	0	-	0	-	0	0	-
BRENT BALMO SWAP	J9	17	0	-	10.62	63.7%	9	0.61	1325.9%
BRENT CALENDAR SWAP	CY	102	216.57	-53.0%	80.14	27.0%	151	92.07	64.2%
BRENT CFD SWAP	6W	0	0	-	0	-	0	3.66	-100.0%
BRENT FINANCIAL FUTURES	BB	167	0	-	0	-	85	128.05	-33.3%
BRENT FINANCIAL FUTURES	MBC	0	0	-	2.86	-100.0%	1	0	-
BRENT FINANCIAL FUTURES	MDB	0	6.86	-100.0%	0	-	0	1.76	-100.0%
BRENT OIL LAST DAY	BZL	0	0	-	0	-	0	0	-
BRENT OIL LAST DAY	BZS	0	0	-	0	-	0	0	-
CANADIAN LIGHT SWEET OIL	CIL	0	0	-	0	-	0	0	-
CENTERPOINT BASIS SWAP	PW	0	0	-	0	-	0	0.44	-100.0%
CHICAGO ETHANOL SWAP	CU	5,245	5,046.05	3.9%	6,252.33	-16.1%	5,303	5,328.8	-0.5%
CHICAGO ULSD PL VS HO SPR	5C	12	3.71	220.5%	7.14	66.7%	25	14.05	80.6%
CHICAGO UNL GAS PL VS RBO	3C	8	0	-	0	-	8	6.4	28.6%
CIG BASIS	CI	0	2.67	-100.0%	0	-	0	2.39	-100.0%
CINERGY HUB OFF-PEAK MONT	EJ	0	0	-	0	-	0	0	-
CINERGY HUB PEAK MONTH	EM	0	0	-	0	-	0	0	-
CIN HUB 5MW D AH O PK	K2	0	0	-	0	-	0	0	-
CIN HUB 5MW D AH PK	H5	0	52.38	-100.0%	12.38	-100.0%	27	56.15	-51.9%
CIN HUB 5MW REAL TIME O P	H4	0	0	-	186.67	-100.0%	48	0	-
CIN HUB 5MW REAL TIME PK	H3	0	0	-	0	-	4	0	-
COAL SWAP	ACM	0	1.67	-100.0%	0	-	0	2.26	-100.0%
COLUMB GULF MAINLINE NG B	5Z	17	0	-	0	-	4	0	-
CONWAY NATURAL GASOLINE (OPIS) SWA	8L	7	2.29	191.7%	4.05	64.7%	12	6.68	79.6%

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Energy Futures									
CONWAY NORMAL BUTANE (OPIS) SWAP	8M	15	7.14	106.7%	15.38	-4.0%	10	4.15	142.1%
CONWAY PROPANE 5 DECIMALS SWAP	8K	687	759.19	-9.5%	531.95	29.1%	693	763.12	-9.2%
CRUDE OIL	LPS	155	215.71	-28.3%	103.57	49.4%	150	237.26	-36.6%
CRUDE OIL OUTRIGHTS	42	25	17.48	42.2%	2.67	832.1%	26	11.05	132.2%
CRUDE OIL OUTRIGHTS	CC5	26	0	-	4.29	500.0%	16	0	-
CRUDE OIL OUTRIGHTS	CPD	0	4.76	-100.0%	0	-	0	36.05	-100.0%
CRUDE OIL OUTRIGHTS	CSW	9	0	-	51.43	-83.3%	25	0.06	40483.8%
CRUDE OIL OUTRIGHTS	DBL	0	0.76	-100.0%	0	-	0	0.49	-100.0%
CRUDE OIL OUTRIGHTS	GSW	0	0	-	0	-	3	1.28	162.9%
CRUDE OIL OUTRIGHTS	HTT	3,315	1,995.24	66.1%	3,250	2.0%	2,909	2,361.76	23.2%
CRUDE OIL OUTRIGHTS	LSW	37	2.86	1188.4%	2.86	1188.4%	35	3.54	878.6%
CRUDE OIL OUTRIGHTS	SSW	0	0	-	0	-	0	0	-
CRUDE OIL OUTRIGHTS	UMD	0	33.33	-100.0%	0	-	0	57.32	-100.0%
CRUDE OIL OUTRIGHTS	UNS	0	23.81	-100.0%	0	-	0	73.83	-100.0%
CRUDE OIL OUTRIGHTS	WCC	0	0	-	0	-	0	0	-
CRUDE OIL OUTRIGHTS	WCW	142	486.14	-70.9%	184.76	-23.3%	293	512.94	-42.9%
CRUDE OIL PHY	CLL	0	0	-	0	-	0	0	-
CRUDE OIL PHY	HCL	1,075	0	-	1,105.48	-2.8%	1,123	0	-
CRUDE OIL SPRDS	38	0	0	-	0	-	0	14.09	-100.0%
CRUDE OIL SPRDS	WTT	1,292	2,038.29	-36.6%	632.81	104.2%	1,023	2,699.68	-62.1%
CRUDE OIL TRADE AT MARKER SINGAPOR	CLS	0	0	-	0	-	0	0	-
DAILY PJM	AOR	0	0	-	0	-	0	0	-
DAILY PJM	IDO	0	0	-	0	-	0	0	-
DAILY PJM	NOC	0	0	-	0	-	0	0	-
DAILY PJM	PAP	0	0	-	0	-	0	0	-
DAILY PJM	PEO	0	0	-	0	-	0	0	-
DAILY PJM	PNO	0	0	-	0	-	0	0	-
DAILY PJM	PNP	0	0	-	0	-	0	0	-
DAILY PJM	PWO	0	0	-	0	-	0	0	-
DAILY PJM	PWP	0	0	-	0	-	0	0	-
DAILY PJM	WOR	0	0	-	0	-	0	0	-
DAILY PJM	ZAO	0	0	-	0	-	0	0	-
DAILY PJM	ZGO	0	0	-	0	-	0	0	-
DAILY PJM	ZJO	0	0	-	0	-	0	0	-
DATED TO FRONTLINE BRENT	FY	14	28.57	-50.0%	0	-	11	32.44	-66.2%
DIESEL 10P BRG FOB RDM VS	7X	0	0	-	0	-	0	0.06	-100.0%

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Energy Futures									
DOMINION TRAN INC - APP I	IH	0	0	-	0	-	0	0	-
DOMINION TRANSMISSION INC	PG	0	0	-	0	-	0	0	-
DUBAI CRUDE OIL BALMO	BI	0	0	-	0	-	0	1.52	-100.0%
DUBAI CRUDE OIL CALENDAR	DC	22	56.38	-60.3%	41.57	-46.2%	192	109.07	76.3%
DUTCH TTF NATURAL GAS CAL MONTH FUT	TTF	185	48.33	283.1%	548.19	-66.2%	381	41.71	812.7%
EASTERN RAIL DELIVERY CSX	QX	0	1.43	-100.0%	0	-	0	1.83	-100.0%
EAST/WEST FUEL OIL SPREAD	EW	0	0.95	-100.0%	0	-	0	1.91	-100.0%
EIA FLAT TAX ONHWAY DIESE	A5	2	10.76	-82.7%	1.9	-2.5%	13	8.12	60.2%
ELEC ERCOT DLY OFF PK	I4	0	0	-	0	-	0	0	-
ELEC ERCOT DLY PEAK	I3	0	0	-	0	-	0	0	-
ELEC ERCOT DLY PEAK	I7	0	0	-	0	-	0	0	-
ELEC ERCOT OFF PEAK	I2	0	933.33	-100.0%	0	-	0	239.02	-100.0%
ELEC FINSETTLED	47	0	0	-	0	-	0	0	-
ELEC MISO PEAK	4L	0	0	-	0	-	0	0	-
ELEC MISO PEAK	55	0	0	-	0	-	0	0	-
ELEC NYISO OFF-PEAK	4M	0	0	-	0	-	0	0	-
ELEC NYISO OFF-PEAK	58	0	0	-	0	-	0	0	-
ELECTRICITY OFF PEAK	46	0	0	-	0	-	0	0	-
ELECTRICITY OFF PEAK	4P	0	0	-	0	-	0	0	-
ERCOT HOUSTON Z MCPE 5MW PEAK SWA	I1	0	0	-	0	-	0	18.41	-100.0%
ERCOT NORTH ZMCPE 5MW OFFPEAK	I8	0	0	-	0	-	0	0	-
ERCOT NORTH ZMCPE 5MW OFFPEAK SWA	I6	0	933.33	-100.0%	0	-	0	239.02	-100.0%
ERCOT NORTH ZMCPE 5MW PEAK	I5	0	0	-	0	-	0	56.22	-100.0%
ETHANOL	MTH	1	0	-	0	-	0	0	-
ETHANOL	Z1B	0	0	-	0	-	0	0	-
ETHANOL SWAP	MT2	7	0.95	675.0%	3.33	121.4%	4	0.37	1116.5%
ETHANOL T2 FOB ROTT INCL DUTY SWAP	Z1	149	162.1	-8.1%	241.19	-38.2%	202	152.82	32.2%
EURO 1% FUEL OIL NEW BALM	KX	0	0	-	0	-	0	0.06	-100.0%
EURO 3.5% FUEL OIL RDAM B	KR	1	34.48	-96.1%	5	-73.3%	2	29.63	-92.9%
EURO 3.5% FUEL OIL SPREAD	FK	2	9.1	-79.1%	2.14	-11.1%	1	5.88	-82.4%
EURO-DENOMINATED PETRO PROD	NCP	0	0	-	0	-	0	0	-
EURO GASOIL 10PPM VS ICE	ET	0	0	-	0	-	0	4.33	-100.0%
EUROPE 1% FUEL OIL NWE CA	UF	0	2.14	-80.0%	0	-	1	3.7	-66.0%
EUROPE 1% FUEL OIL RDAM C	UH	0	0	-	0	-	0	0	-
EUROPE 3.5% FUEL OIL MED	UI	1	5.29	-88.3%	3.71	-83.3%	3	7.44	-53.1%
EUROPE 3.5% FUEL OIL RDAM	UV	57	562.05	-89.9%	87.48	-34.8%	67	398.71	-83.1%

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Energy Futures									
EUROPEAN GASOIL (ICE)	7F	0	34.67	-100.0%	10.48	-100.0%	5	20.27	-74.2%
EUROPEAN NAPHTHA BALMO	KZ	6	9.67	-36.9%	13.71	-55.6%	11	13.4	-19.5%
EUROPEAN NAPHTHA CRACK SPR	EN	229	401.05	-42.9%	304.67	-24.9%	267	455.43	-41.3%
EUROPE DATED BRENT SWAP	UB	2	0	-	8.38	-71.6%	10	0	-
EUROPE JET KERO NWE CALSW	UJ	0	0	-	0	-	0	0.18	-66.6%
EUROPE NAPHTHA CALSWAP	UN	121	113.9	6.5%	144.05	-15.8%	120	166.59	-28.1%
EURO PROPANE CIF ARA SWA	PS	105	78.52	33.8%	137.95	-23.8%	104	102.3	1.7%
FREIGHT MARKETS	FLP	3	2.1	25.0%	2.1	25.0%	6	6	-1.4%
FREIGHT MARKETS	FRC	4	0	-	16.9	-77.5%	5	2.26	143.2%
FREIGHT MARKETS	FRS	0	0	-	0	-	0	0	-
FREIGHT MARKETS	T2D	16	25.71	-38.0%	7.14	123.3%	27	12.54	115.0%
FREIGHT MARKETS	TC6	0	0	-	0	-	0	2.93	-100.0%
FREIGHT MARKETS	TD3	0	0	-	3.33	-100.0%	1	0	-
FREIGHT MARKETS	TD8	0	0	-	0	-	1	0	-
FUEL OIL CRACK VS ICE	FO	93	187.24	-50.4%	87.19	6.5%	72	225.78	-68.2%
FUEL OIL NWE CRACK VS ICE	FI	0	0.71	-100.0%	0	-	0	2.09	-91.2%
FUEL OIL (PLATS) CAR CM	1W	0	0	-	0	-	0	1.88	-100.0%
FUEL OIL (PLATS) CAR CN	1X	0	1.29	-100.0%	0	-	0	0.88	-100.0%
FUELOIL SWAP:CARGOES VS.B	FS	4	11.95	-66.1%	8.14	-50.3%	10	14.94	-33.6%
GAS EURO-BOB OXY NWE BARGES	7H	334	277.1	20.6%	445	-24.9%	375	357.18	5.1%
GAS EURO-BOB OXY NWE BARGES CRK	7K	505	1,102.43	-54.2%	613.62	-17.7%	508	1,135.5	-55.2%
GASOIL 0.1CIF MED VS ICE	Z5	0	0	-	0	-	0	0.12	-100.0%
GASOIL 0.1 CIF NWE VS ISE	TU	0	0	-	0	-	0	0	-
GASOIL 0.1 RDAM BRGS VS I	WQ	0	0	-	0	-	0	0.06	199.8%
GASOIL 0.1 ROTTERDAM BARG	VL	2	15.24	-84.7%	0.57	308.3%	1	4.45	-80.0%
GASOIL 10PPM VS ICE SWAP	TP	0	0	-	0.71	-100.0%	0	0.15	100.1%
GASOIL CALENDAR SWAP	GX	0	0	-	0	-	1	0.15	350.1%
GASOIL CRACK SPREAD CALEN	GZ	0	71.19	-100.0%	7.14	-100.0%	6	292.83	-98.1%
GASOIL MINI CALENDAR SWAP	QA	12	5.24	125.5%	6.57	79.7%	10	6.54	56.7%
GERMAN POWER BASELOAD CAL MONTH F	DEB	119	9.71	1126.5%	235.43	-49.4%	103	25.32	306.5%
GROUP THREE ULSD (PLATTS)	A7	0	0	-	0	-	0	1.4	-100.0%
GROUP THREE UNLEAD GAS (P	A9	0	0	-	0	-	0	0	-
GRP THREE ULSD(PLT)VS HEA	A6	82	189.24	-56.8%	122.62	-33.4%	126	198.71	-36.4%
GRP THREE UNL GS (PLT) VS	A8	181	140.48	29.1%	232.62	-22.0%	176	109	61.5%
GULF COAST 3% FUEL OIL BA	VZ	33	45.1	-27.7%	52.33	-37.7%	41	67.02	-39.0%
GULF COAST JET FUEL CLNDR	GE	0	16	-100.0%	2.43	-100.0%	3	7.72	-57.8%

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Energy Futures									
GULF COAST JET VS NYM 2 H	ME	950	1,514.95	-37.3%	965.24	-1.6%	924	2,294.3	-59.7%
GULF COAST NO.6 FUEL OIL	MF	1,158	2,868.57	-59.6%	1,082.67	6.9%	1,272	2,939.46	-56.7%
GULF COAST NO.6 FUEL OIL	MG	5	174.52	-97.0%	13.48	-61.1%	13	103.45	-87.9%
GULF COAST ULSD CALENDAR	LY	8	9.52	-18.0%	8.71	-10.4%	16	9.2	69.4%
GULF COAST ULSD CRACK SPR	GY	0	4.76	-100.0%	0	-	0	15.79	-100.0%
HEATING OIL BALMO CLNDR S	1G	2	0	-	0	-	1	0.68	-19.6%
HEATING OIL PHY	HOL	0	0	-	0	-	0	0	-
HENRY HUB BASIS SWAP	HB	218	59.05	270.0%	0	-	56	75.51	-25.9%
HENRY HUB FINANCIAL LAST	NBP	0	58.19	-100.0%	0	-	0	64.51	-100.0%
HENRY HUB FINANCIAL LAST	TTE	0	1.24	-100.0%	0	-	0	7.57	-100.0%
HENRY HUB INDEX SWAP FUTU	IN	218	59.05	270.0%	0	-	56	75.51	-25.9%
HENRY HUB SWAP	NN	5,568	6,240.62	-10.8%	2,855.57	95.0%	6,052	7,883.44	-23.2%
HOUSTON SHIP CHANNEL BASI	NH	35	0	-	0	-	9	0	-
ICE BRENT DUBAI SWAP	DB	206	630.62	-67.3%	48.33	326.1%	237	524.6	-54.8%
IN DELIVERY MONTH EUA	6T	0	0	-	0	-	0	0	-
INDIANA MISO	FAD	0	0	-	0	-	0	0	-
INDIANA MISO	FTD	0	0	-	0	-	0	0	-
INDIANA MISO	PDD	0	0	-	0	-	0	0	-
INDIANA MISO	PTD	0	0	-	0	-	0	0	-
INDONESIAN COAL ICI4	ICI	8	5.48	49.6%	50.14	-83.7%	20	2.87	583.0%
ISO NEW ENGLAND OFF-PEAK	KI	0	0	-	0	-	0	0	-
ISO NEW ENGLAND PK LMP	NI	0	0	-	0	-	0	0	-
JAPAN C&F NAPHTHA CRACK S	JB	8	43.71	-81.6%	0	-	2	19.61	-89.5%
JAPAN C&F NAPHTHA SWAP	JA	77	94.48	-18.3%	80.14	-3.7%	73	96.55	-24.6%
JAPAN NAPHTHA BALMO SWAP	E6	0	1.76	-86.5%	4.38	-94.6%	3	1.71	97.1%
JET AV FUEL (P) CAR FM ICE GAS SWAP	1V	0	0	-	0	-	0	0.06	-100.0%
JET CIF NWE VS ICE	JC	0	3.52	-100.0%	0	-	1	5.78	-85.2%
JET FUEL UP-DOWN BALMO CL	1M	230	212.38	8.3%	130.48	76.3%	177	368.83	-52.1%
JKM LNG Futures	JKM	38	95.24	-60.4%	187.1	-79.8%	74	42.01	77.0%
LA CARB DIESEL (OPIS) SWA	KL	0	15.48	-100.0%	5.95	-100.0%	3	12.2	-71.5%
LA CARBOB GASOLINE(OPIS)S	JL	5	69.05	-93.1%	17.86	-73.3%	20	39.94	-48.9%
LA JET (OPIS) SWAP	JS	82	125.48	-34.7%	48.81	67.8%	67	116.28	-42.4%
LLS (ARGUS) CALENDAR SWAP	XA	0	0	-	0	-	0	0	-
LLS (ARGUS) VS WTI SWAP	WJ	223	289.76	-23.1%	186.19	19.7%	169	234.41	-27.8%
LOS ANGELES CARB GASOLINE	MH	0	0	-	0	-	0	0	-
MARS (ARGUS) VS WTI SWAP	YX	27	168.1	-84.1%	174.05	-84.7%	97	177.38	-45.2%

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Energy Futures									
MARS (ARGUS) VS WTI TRD M	YV	1,038	934.76	11.0%	534.05	94.3%	1,050	1,398	-24.9%
MARS BLEND CRUDE OIL	MB	0	16.67	-100.0%	0	-	0	18.52	-100.0%
MCCLOSKEY ARA ARGS COAL	MTF	1,240	1,087.95	14.0%	1,622.05	-23.5%	1,356	1,301.71	4.2%
MCCLOSKEY RCH BAY COAL	MFF	111	113.05	-2.0%	118	-6.1%	131	170.98	-23.2%
MGF FUT	MGF	0	2.38	-100.0%	0	-	0	1.59	-100.0%
MGN1 SWAP FUT	MGN	0	1.43	-100.0%	2.38	-100.0%	2	4.67	-55.6%
MICHIGAN BASIS	NF	0	0	-	0	-	0	0	-
MICHIGAN MISO	HMO	0	0	-	0	-	0	0	-
MICHIGAN MISO	HMW	0	0	-	0	-	0	0	-
MINI GAS EUROBOB OXY NWE ARGS BALM	MEB	3	23.9	-86.7%	2.1	52.3%	9	16.94	-49.4%
MINI RBOB V. EBOBARG NWE BRGS BALMO	MXR	56	41.05	36.2%	10.95	410.4%	34	12.84	163.1%
MINI RBOB V. EBOB(ARGUS) NWE BRGS	MXB	129	96.24	33.7%	93.1	38.3%	102	75.82	35.0%
MJC FUT	MJC	0	9.05	-100.0%	1.43	-100.0%	1	11.83	-88.7%
MNC FUT	MNC	196	163.86	19.4%	256	-23.6%	212	176.67	19.8%
MONT BELVIEU ETHANE 5 DECIMAL	C0	713	552.05	29.1%	601.9	18.4%	680	748.65	-9.1%
MONT BELVIEU ETHANE OPIS BALMO	8C	7	4.29	65.6%	2.38	198.0%	9	7.99	13.6%
MONT BELVIEU LDH PROPANE 5 DECIMAL	B0	8,226	6,585.43	24.9%	6,541.67	25.7%	6,835	6,552.21	4.3%
MONT BELVIEU LDH PROPANE OPIS BALM	8O	54	108.33	-50.5%	121.57	-55.9%	157	171.27	-8.1%
MONT BELVIEU NATURAL GASOLINE 5 DEC	7Q	392	435	-9.9%	365	7.3%	398	471.76	-15.6%
MONT BELVIEU NATURAL GASOLINE BALM	R0	15	10.86	36.0%	34.05	-56.6%	31	21.62	42.1%
MONT BELVIEU NORMAL BUTANE 5 DECIM	D0	2,123	2,001.57	6.1%	1,737.86	22.2%	1,827	1,433.17	27.4%
MONT BELVIEU NORMAL BUTANE BALMO	8J	59	37.14	59.9%	68.1	-12.8%	71	46.57	51.4%
NAT GAS BASIS SWAP	TZ6	0	0	-	0	-	0	0	-
NATURAL GAS	XIC	0	0	-	0	-	0	0	-
NATURAL GAS PEN SWP	NP	1,477	1,467.29	0.7%	991.14	49.1%	1,352	1,971.83	-31.4%
NEPOOL CNCTCT 5MW D AH O	P3	0	0	-	0	-	0	0	-
NEPOOL CONECTIC 5MW D AH	P2	0	0	-	0	-	0	0	-
NEPOOL INTR HUB 5MW D AH	H2	0	0	-	0	-	202	755.12	-73.3%
NEPOOL INTR HUB 5MW D AH	U6	0	0	-	0	-	0	41.65	-100.0%
NEPOOL NE MASS 5MW D AH O	P8	0	0	-	0	-	0	0	-
NEPOOL NE MASS 5MW D AH P	P7	0	0	-	0	-	0	0	-
NEPOOL RHD ISLD 5MW D AH	U4	0	0	-	0	-	0	0	-
NEPOOL RHODE IL 5MW D AH	U5	0	0	-	0	-	0	0	-
NEPOOL W CNT MASS 5MW D A	L9	0	0	-	0	-	0	0	-
NEPOOL W CNTR M 5MW D AH	R6	0	0	-	0	-	0	0	-
NEW ENGLAND HUB PEAK DAIL	CE	0	0	-	0	-	0	0	-

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Energy Futures									
NEW YORK ETHANOL SWAP	EZ	15	72.14	-79.9%	54.38	-73.3%	32	90.99	-65.3%
NEW YORK HUB ZONE G PEAK	GN	0	0	-	0	-	0	0	-
NEW YORK HUB ZONE J PEAK	JN	0	0	-	0	-	0	0	-
NGPL MID-CONTINENT	NL	0	0	-	0	-	15	4.88	210.0%
NGPL TEX/OK	PD	123	720	-83.0%	0	-	31	278.49	-88.7%
N ILLINOIS HUB DAILY	UD	0	0	-	0	-	0	0	-
N ILLINOIS HUB MTHLY	UM	0	0	-	0	-	0	0	-
NO 2 UP-DOWN SPREAD CALEN	UT	0	14.29	-100.0%	10.71	-100.0%	7	18.72	-62.5%
NORTHEN NATURAL GAS DEMAR	PE	0	0	-	0	-	0	0	-
NORTHEN NATURAL GAS VENTU	PF	0	0	-	0	-	0	1.22	-100.0%
NORTHWEST ROCKIES BASIS S	NR	0	0	-	0	-	38	0	-
N ROCKIES PIPE SWAP	XR	0	0	-	0	-	0	0	-
NY1% VS GC SPREAD SWAP	VR	7	40.05	-82.2%	17.14	-58.3%	22	86.6	-75.1%
NY 3.0% FUEL OIL (PLATTS	H1	4	9.52	-62.5%	9.52	-62.5%	6	11.89	-46.2%
NY HARBOR 1% FUEL OIL BAL	VK	0	0	-	0	-	0	0	-
NY HARBOR HEAT OIL SWP	MP	23	72.43	-67.8%	45.43	-48.6%	75	72.5	3.9%
NY HARBOR LOW SULPUR GAS 1000MBBL	NLS	4	4.76	-25.0%	0	-	5	30.18	-84.2%
NY HARBOR RESIDUAL FUEL 1	MM	52	29.48	75.0%	46.52	10.8%	48	55.32	-12.7%
NY HARBOR RESIDUAL FUEL C	ML	0	0	-	0	-	0	0	-
NYH NO 2 CRACK SPREAD CAL	HK	23	90.71	-74.8%	12.62	81.1%	16	63.13	-74.0%
NYISO CAPACITY	LHV	0	0	-	0	-	3	1.76	66.7%
NYISO CAPACITY	NNC	0	6.48	-100.0%	0	-	0	3.73	-100.0%
NYISO CAPACITY	NRS	0	0	-	0	-	1	1.32	-44.4%
NYISO J	KJ	0	0	-	0	-	0	0	-
NYISO J OFF-PEAK	KK	0	0	-	0	-	0	0	-
NYISO ZONE A 5MW D AH O P	K4	0	0	-	0	-	0	0	-
NYISO ZONE A 5MW D AH PK	K3	0	0	-	0	-	0	0	-
NYISO ZONE G 5MW D AH O P	D2	389	2,194.29	-82.3%	0	-	167	4,784.76	-96.5%
NYISO ZONE G 5MW D AH PK	T3	0	100.71	-100.0%	0	-	0	67.2	-100.0%
NYISO ZONE J 5MW D AH O P	D4	0	0	-	0	-	0	0	-
NYISO ZONE J 5MW D AH PK	D3	0	0	-	0	-	0	0	-
NYMEX ALUMINUM FUTURES	AN	0	0	-	0	-	0	0	-
NYMEX ULSD VS NYMEX HO	UY	0	0	-	33.33	-100.0%	18	0	-
NY ULSD (ARGUS) VS HEATING OIL	7Y	36	0	-	1.29	2677.8%	14	0	-
ONEOK OKLAHOMA NG BASIS	8X	0	0	-	0	-	0	0	-
ONTARIO POWER SWAPS	OFD	0	0	-	0	-	0	0	-

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Energy Futures									
ONTARIO POWER SWAPS	OPD	0	0	-	0	-	0	0.12	-100.0%
PANHANDLE BASIS SWAP FUTU	PH	0	0	-	0	-	0	3.35	-100.0%
PANHANDLE PIPE SWAP	XH	0	0	-	0	-	0	0	-
PERMIAN BASIS SWAP	PM	0	0	-	0	-	0	0	-
PETROCHEMICALS	22	9	11.52	-26.0%	3.33	155.7%	9	7.95	8.4%
PETROCHEMICALS	32	3	13.38	-74.0%	11.1	-68.7%	6	10.37	-44.7%
PETROCHEMICALS	3NA	1	0	-	0	-	0	0	-
PETROCHEMICALS	51	0	0.95	-75.0%	0	-	0	0.28	-78.3%
PETROCHEMICALS	8I	44	54.48	-18.5%	25.1	76.9%	33	43.4	-23.8%
PETROCHEMICALS	91	14	21.57	-34.9%	20.86	-32.6%	23	27.73	-17.1%
PETROCHEMICALS	MAA	2	0	-	0	-	1	0	-
PETROCHEMICALS	MAE	7	11.43	-37.5%	13.1	-45.5%	10	9.39	7.0%
PETROCHEMICALS	MAS	4	4.29	-11.1%	6.9	-44.8%	7	5.49	27.8%
PETROCHEMICALS	MBE	16	25.71	-38.0%	14.29	11.7%	14	43.29	-68.6%
PETROCHEMICALS	MNB	56	143.52	-60.8%	16.76	235.5%	51	107.04	-52.4%
PETROCHEMICALS	MPS	5	5.48	-17.4%	7.38	-38.7%	8	4.21	81.2%
PETRO CRCKS & SPRDS ASIA	JNC	0	0	-	0	-	0	0	-
PETRO CRCKS & SPRDS ASIA	STR	0	4.76	-100.0%	0	-	0	1.22	-100.0%
PETRO CRCKS & SPRDS ASIA	STS	5	0	-	1.33	264.3%	2	4.99	-68.2%
PETRO CRCKS & SPRDS NA	CRB	480	13.33	3498.2%	385.24	24.5%	351	12.74	2657.4%
PETRO CRCKS & SPRDS NA	EXR	154	121.05	27.5%	215.05	-28.3%	161	139.84	15.3%
PETRO CRCKS & SPRDS NA	FOC	2	100	-97.6%	10.48	-77.3%	17	54.88	-68.4%
PETRO CRCKS & SPRDS NA	GBB	10	31.9	-67.2%	42.86	-75.6%	37	34.7	6.2%
PETRO CRCKS & SPRDS NA	GCC	0	7.14	-100.0%	0	-	0	11.59	-100.0%
PETRO CRCKS & SPRDS NA	GCI	116	31.43	267.7%	72.19	60.1%	72	71.87	0.3%
PETRO CRCKS & SPRDS NA	GCM	0	4.76	-100.0%	0	-	0	1.48	-100.0%
PETRO CRCKS & SPRDS NA	GCU	107	1,001.19	-89.3%	227.33	-52.8%	177	615.15	-71.2%
PETRO CRCKS & SPRDS NA	GFC	0	0	-	0	-	1	0	-
PETRO CRCKS & SPRDS NA	HOB	166	22.62	632.6%	8.57	1833.3%	54	70.56	-23.3%
PETRO CRCKS & SPRDS NA	MFR	0	0	-	0	-	0	0	-
PETRO CRCKS & SPRDS NA	NFG	0	0	-	0	-	0	0.61	-100.0%
PETRO CRCKS & SPRDS NA	NYF	0	0	-	0	-	0	0	-
PETRO CRCKS & SPRDS NA	RBB	487	234.33	107.7%	352.71	38.0%	492	222.33	121.2%
PETRO CRCKS & SPRDS NA	RVG	745	853.43	-12.6%	831.19	-10.3%	757	842.7	-10.2%
PETRO CRCKS & SPRDS NA	SF3	6	1.57	293.9%	6.9	-10.3%	6	2.85	105.6%
PETRO CRK&SPRD EURO	1NB	97	103.67	-6.9%	81.43	18.5%	92	104.13	-11.4%

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Energy Futures									
PETRO CRK&SPRD EURO	1ND	0	0	-	0	-	0	1.22	-100.0%
PETRO CRK&SPRD EURO	43	4	32.38	-89.0%	0	-	1	22.17	-95.9%
PETRO CRK&SPRD EURO	BFR	0	0	-	2.86	-100.0%	1	0	-
PETRO CRK&SPRD EURO	BOB	25	129.14	-80.6%	24.43	2.5%	27	94.96	-72.0%
PETRO CRK&SPRD EURO	EOB	0	0	-	0.71	-100.0%	0	1.32	-86.1%
PETRO CRK&SPRD EURO	EPN	29	36.43	-19.6%	31.14	-6.0%	30	50.85	-40.2%
PETRO CRK&SPRD EURO	EVC	14	80	-82.0%	31.67	-54.4%	23	95.44	-75.5%
PETRO CRK&SPRD EURO	FBT	0	0	-	2.86	-100.0%	1	0	-
PETRO CRK&SPRD EURO	FVB	0	0	-	0	-	0	0.37	-100.0%
PETRO CRK&SPRD EURO	GCB	0	9.52	-100.0%	0	-	3	4.57	-24.8%
PETRO CRK&SPRD EURO	GOC	0	0	-	0	-	0	1.02	-100.0%
PETRO CRK&SPRD EURO	MGB	1	0	-	2.86	-50.0%	1	0.98	12.5%
PETRO CRK&SPRD EURO	MUD	0	0	-	0	-	0	1.5	-91.9%
PETRO CRK&SPRD EURO	NBB	1	3.14	-68.2%	0.24	320.0%	1	1.17	-39.6%
PETRO CRK&SPRD EURO	NOB	22	78.67	-72.0%	34.14	-35.6%	29	86.26	-66.1%
PETRO CRK&SPRD EURO	SFB	1	1.43	-30.0%	0	-	1	0.37	70.0%
PETROLEUM PRODUCTS	1NM	6	0	-	0	-	2	0	-
PETROLEUM PRODUCTS	EWG	157	151.9	3.2%	95.24	64.6%	161	270.72	-40.7%
PETROLEUM PRODUCTS	MME	0	0	-	0	-	0	0.37	-100.0%
PETROLEUM PRODUCTS	MPE	0	0	-	0	-	0	0	-
PETROLEUM PRODUCTS	VU	0	28.71	-100.0%	0	-	2	7.35	-77.6%
PETROLEUM PRODUCTS ASIA	E6M	0	1.43	-100.0%	0.48	-100.0%	1	4.56	-86.6%
PETROLEUM PRODUCTS ASIA	MJN	66	128.43	-48.4%	84.1	-21.2%	80	115.63	-30.8%
PETRO OUTRIGHT EURO	0B	1	0	-	0	-	0	0.61	-60.0%
PETRO OUTRIGHT EURO	0C	0	0	-	0	-	0	0	-
PETRO OUTRIGHT EURO	0D	78	88.52	-11.5%	53.43	46.6%	61	58.94	3.2%
PETRO OUTRIGHT EURO	0E	1	5.19	-81.7%	0	-	1	1.45	-57.1%
PETRO OUTRIGHT EURO	0F	21	31.57	-32.1%	31.24	-31.4%	20	29.7	-31.1%
PETRO OUTRIGHT EURO	1T	0	0	-	0	-	0	0.18	-66.6%
PETRO OUTRIGHT EURO	33	0	0	-	0	-	0	0	-
PETRO OUTRIGHT EURO	5L	0	2.19	-78.3%	3.38	-85.9%	2	1.09	49.4%
PETRO OUTRIGHT EURO	63	0	3.33	-100.0%	0	-	0	1.3	-100.0%
PETRO OUTRIGHT EURO	7I	2	17.38	-88.5%	8.33	-76.0%	5	5.23	-8.2%
PETRO OUTRIGHT EURO	7R	5	12	-54.8%	5.57	-2.6%	11	15	-24.3%
PETRO OUTRIGHT EURO	88	0	2.14	-100.0%	0	-	0	1.16	-100.0%
PETRO OUTRIGHT EURO	CBB	0	0	-	0	-	0	0.67	-100.0%

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Commodity		ADV APR 2019	ADV APR 2018	% CHG	ADV MAR 2019	% CHG	ADV Y.T.D 2019	ADV Y.T.D 2018	% CHG
Energy Futures									
PETRO OUTFRIGHT EURO	CGB	0	0	-	0	-	0	0	-
PETRO OUTFRIGHT EURO	CPB	3	16.76	-81.0%	13.81	-76.9%	16	30.33	-48.0%
PETRO OUTFRIGHT EURO	EFF	0	4.43	-94.6%	0.95	-75.0%	1	1.13	18.3%
PETRO OUTFRIGHT EURO	EFM	0	0	-	0	-	0	0	-
PETRO OUTFRIGHT EURO	ENS	2	0	-	0.48	350.0%	1	0.67	0.0%
PETRO OUTFRIGHT EURO	EWN	18	25.48	-30.3%	44.95	-60.5%	35	34.41	1.7%
PETRO OUTFRIGHT EURO	FLB	0	0	-	0	-	0	0	-
PETRO OUTFRIGHT EURO	GES	0	0	-	0	-	0	0	-
PETRO OUTFRIGHT EURO	MBB	0	1.19	-100.0%	0	-	0	1.96	-100.0%
PETRO OUTFRIGHT EURO	MBN	20	70.62	-71.7%	12.38	61.5%	16	67.06	-76.8%
PETRO OUTFRIGHT EURO	MEF	22	0	-	15.95	35.2%	17	0	-
PETRO OUTFRIGHT EURO	R53	0	0	-	0.57	-100.0%	0	0	-
PETRO OUTFRIGHT EURO	R5M	0	0	-	0	-	0	0	-
PETRO OUTFRIGHT EURO	R5O	4	0	-	1.43	183.3%	1	0	-
PETRO OUTFRIGHT EURO	S5M	0	0	-	0.43	-100.0%	1	0	-
PETRO OUTFRIGHT EURO	SMU	0	0	-	0	-	2	4	-61.9%
PETRO OUTFRIGHT EURO	T0	0	0	-	0	-	0	0	-
PETRO OUTFRIGHT EURO	T2B	0	0	-	0	-	0	0	-
PETRO OUTFRIGHT EURO	V0	0	14.29	-100.0%	0	-	0	11.95	-100.0%
PETRO OUTFRIGHT EURO	X0	0	0	-	0	-	0	0	-
PETRO OUTFRIGHT NA	FCB	6	2.38	164.0%	0	-	2	3.04	-47.0%
PETRO OUTFRIGHT NA	FOM	0	0	-	0	-	0	0	-
PETRO OUTFRIGHT NA	JE	0	0	-	0	-	0	0.84	-100.0%
PETRO OUTFRIGHT NA	JET	100	91.67	9.1%	111.9	-10.6%	105	118.05	-11.4%
PETRO OUTFRIGHT NA	JTB	26	32.62	-19.7%	38.1	-31.2%	33	30	8.7%
PETRO OUTFRIGHT NA	MBL	0	0	-	0	-	0	0.12	-100.0%
PETRO OUTFRIGHT NA	MEN	9	18.9	-53.4%	14.86	-40.7%	10	15	-30.3%
PETRO OUTFRIGHT NA	MEO	128	148.14	-13.8%	148.29	-13.9%	137	187.96	-27.0%
PETRO OUTFRIGHT NA	MFD	0	0	-	0	-	0	0.37	-100.0%
PETRO OUTFRIGHT NA	MMF	6	0.95	570.0%	3.86	65.4%	4	0.67	554.6%
PETRO OUTFRIGHT NA	XER	0	0	-	0	-	0	0	-
PJM AD HUB 5MW REAL TIME	V3	0	0	-	0	-	855	341.85	150.1%
PJM AD HUB 5MW REAL TIME	Z9	0	0	-	0	-	16	91.62	-83.0%
PJM ATSI ELEC	MOD	0	0	-	0	-	0	0	-
PJM ATSI ELEC	MPD	0	0	-	0	-	0	0	-
PJM BGE DA OFF-PEAK	R3	0	0	-	0	-	0	0	-

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Energy Futures									
PJM BGE DA PEAK	E3	0	0	-	0	-	0	0	-
PJM COMED 5MW D AH O PK	D9	0	0	-	0	-	0	0	-
PJM COMED 5MW D AH PK	D8	0	0	-	0	-	0	0	-
PJM DAILY	JD	0	0	-	0	-	0	0	-
PJM DAYTON DA OFF-PEAK	R7	0	0	-	0	-	0	0	-
PJM DAYTON DA PEAK	D7	0	0	-	0	-	0	0	-
PJM NI HUB 5MW REAL TIME	B3	0	0	-	0	-	0	62.2	-100.0%
PJM NI HUB 5MW REAL TIME	B6	0	0	-	0	-	0	0	-
PJM NILL DA OFF-PEAK	L3	0	0	-	0	-	0	0	-
PJM NILL DA PEAK	N3	0	1.05	-100.0%	0	-	0	0.27	-100.0%
PJM OFF-PEAK LMP SWAP FUT	JP	0	0	-	0	-	0	0	-
PJM PECO ZONE5MW PEAK CAL MO DAY A	4N	0	0	-	0	-	0	0	-
PJM PSEG DA OFF-PEAK	W6	0	0	-	0	-	0	0	-
PJM PSEG DA PEAK	L6	0	0	-	0	-	0	0	-
PJM WESTH DA OFF-PEAK	E4	0	1,505.24	-100.0%	0	-	0	956.22	-100.0%
PJM WESTHDA PEAK	J4	0	80.95	-100.0%	0	-	0	51.83	-100.0%
PJM WESTH RT OFF-PEAK	N9	0	4,899.05	-100.0%	0	-	285	2,110.73	-86.5%
PJM WESTH RT PEAK	L1	205	469.52	-56.4%	485.71	-57.9%	244	420.17	-42.0%
PLASTICS	PGP	22	11.43	91.7%	23.33	-6.1%	41	18.56	121.1%
PREMIUM UNLD 10P FOB MED	3G	6	0.71	686.6%	1.62	247.1%	8	16.17	-50.2%
PREMIUM UNLEAD 10PPM FOB	8G	0	0	-	0	-	0	2.01	-89.1%
PREM UNL GAS 10PPM RDAM FOB BALMO	7N	0	0	-	0	-	0	0.98	-75.0%
PREM UNL GAS 10PPM RDAM FOB SWAP	7L	0	0	-	0	-	0	0.12	199.9%
PROPANE NON-LDH MB (OPIS) BALMO SWP	1S	54	23.19	130.8%	64.71	-17.3%	100	27.45	263.1%
PROPANE NON-LDH MT. BEL (OPIS) SWP	1R	857	608.33	40.9%	955.62	-10.3%	884	520.62	69.9%
RBOB CALENDAR SWAP	RL	428	263.95	62.3%	215.76	98.5%	299	213.21	40.2%
RBOB CRACK SPREAD	RM	96	90.29	6.3%	56.9	68.6%	55	54.49	1.7%
RBOB GASOLINE BALMO CLNDR	1D	76	179	-57.5%	24.33	212.7%	52	64.17	-18.3%
RBOB PHY	RBL	0	0	-	0	-	0	0	-
RBOB SPREAD (PLATTS) SWAP	RI	0	0	-	0	-	0	0	-
RBOB VS HEATING OIL SWAP	RH	0	28.57	-100.0%	0	-	1	14.02	-93.5%
SAN JUAN BASIS SWAP	NJ	0	0	-	0	-	0	0.38	-100.0%
SAN JUAN PIPE SWAP	XX	0	17.14	-100.0%	0	-	0	4.39	-100.0%
SINGAPORE 180CST BALMO	BS	1	2.95	-58.1%	0.81	52.9%	1	2.22	-65.4%
SINGAPORE 380CST BALMO	BT	4	5.71	-30.8%	4.29	-7.8%	2	4.99	-51.6%
SINGAPORE 380CST FUEL OIL	SE	123	448.48	-72.6%	135.81	-9.5%	151	335.62	-55.2%

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Energy Futures									
SINGAPORE FUEL 180CST CAL	UA	23	63.05	-63.3%	17.52	32.1%	16	41.02	-60.7%
SINGAPORE FUEL OIL SPREAD	SD	1	72.62	-99.0%	2.62	-72.7%	3	50.49	-94.1%
SINGAPORE GASOIL	MAF	75	0	-	105.1	-28.6%	87	0	-
SINGAPORE GASOIL	MTB	2	0	-	3	-27.0%	2	3.27	-28.7%
SINGAPORE GASOIL	MTS	154	244.52	-37.2%	166.38	-7.7%	177	247.93	-28.7%
SINGAPORE GASOIL	STZ	0	7.14	-100.0%	0	-	0	52.44	-100.0%
SINGAPORE GASOIL CALENDAR	GDH	0	0	-	0	-	0	0.61	-100.0%
SINGAPORE GASOIL CALENDAR	GDL	0	0	-	0	-	0	3.05	-100.0%
SINGAPORE GASOIL CALENDAR	GHS	0	0	-	0	-	0	0	-
SINGAPORE GASOIL CALENDAR	MGO	0	0	-	0	-	0	2.44	-100.0%
SINGAPORE GASOIL CALENDAR	MSG	1	7.62	-88.1%	15.24	-94.1%	8	47.79	-82.4%
SINGAPORE GASOIL CALENDAR	SGG	0	0	-	0	-	0	3.96	-100.0%
SINGAPORE GASOIL SWAP	SG	66	268.57	-75.5%	32.76	101.2%	60	258.13	-76.8%
SINGAPORE GASOIL VS ICE	GA	0	444.05	-100.0%	146.43	-100.0%	53	903.17	-94.1%
SINGAPORE JET KERO BALMO	BX	0	0	-	0	-	0	2.01	-100.0%
SINGAPORE JET KERO GASOIL	RK	0	55.95	-100.0%	0	-	1	235.3	-99.5%
SINGAPORE JET KEROSENE SW	KS	45	57.62	-22.3%	24.52	82.5%	32	59.09	-46.6%
SINGAPORE JET KERO VS. GASOIL BALMO	Z0	0	0	-	0	-	0	0.3	-100.0%
SINGAPORE MOGAS 92 UNLEADED BALMO	1P	21	14.29	50.0%	21.43	0.0%	17	20.28	-17.3%
SINGAPORE MOGAS 92 UNLEADED SWP	1N	663	526.62	25.9%	873.52	-24.1%	810	776.88	4.2%
SINGAPORE NAPHTHA SWAP	SP	0	0	-	0	-	0	2.44	-100.0%
SING FUEL	MSD	0	2.62	-100.0%	0	-	0	0.67	-100.0%
SOUTH STAR TEX OKLHM KNS	8Z	0	0	-	0	-	0	0	-
Sumas Basis Swap	NK	0	0	-	0	-	0	1.11	-100.0%
TC2 ROTTERDAM TO USAC 37K	TM	12	1.43	733.3%	17.62	-32.4%	12	6.68	78.8%
TC5 RAS TANURA TO YOKOHAM	TH	13	0.95	1300.0%	23.1	-42.3%	19	2.93	533.3%
TCO BASIS SWAP	TC	0	0	-	0	-	0	0	-
TD3 MEG TO JAPAN 250K MT	TL	144	7.62	1784.4%	178.86	-19.7%	183	23.96	662.6%
TENNESSEE ZONE 0 BASIS SW	NQ	0	0	-	0	-	0	0	-
Tetco STX Basis	TX	0	0	-	0	-	0	0	-
TEXAS EASTERN ZONE M-3 BA	NX	0	0	-	0	-	0	0	-
TEXAS GAS ZONE1 NG BASIS	9F	0	0	-	0	-	0	0	-
Transco Zone 3 Basis	CZ	0	0	-	0	-	0	0	-
TRANSCO ZONE4 BASIS SWAP	TR	0	0	-	0	-	0	0	-
TRANSCO ZONE 6 BASIS SWAP	NZ	0	0	-	0	-	0	0	-
UCM FUT	UCM	0	0	-	0	-	0	0.61	-60.0%

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Energy Futures									
UK NBP NAT GAS CAL MTH FUT	UKG	17	248.33	-93.2%	42.57	-60.3%	38	182.07	-79.0%
ULSD 10PPM CIF MED VS ICE	Z7	0	0	-	0	-	0	0.17	-100.0%
ULSD UP-DOWN BALMO SWP	1L	162	263.1	-38.5%	292.62	-44.7%	286	241.04	18.7%
UP DOWN GC ULSD VS NMX HO	LT	967	1,269.33	-23.8%	1,110.14	-12.9%	1,262	1,693.32	-25.5%
WAHA BASIS	NW	4	39.95	-91.1%	14.29	-75.0%	6	35.67	-82.9%
WESTERN RAIL DELIVERY PRB	QP	0	0	-	0	-	0	0.18	-100.0%
WTI-BRENT BULLET SWAP	BY	13	300	-95.8%	0	-	11	76.83	-86.3%
WTI-BRENT CALENDAR SWAP	BK	2,921	1,707.86	71.0%	1,457.62	100.4%	1,710	1,855.78	-7.9%
WTI CALENDAR	CS	3,281	2,052.95	59.8%	2,541.14	29.1%	2,341	1,872.6	25.0%
WTS (ARGUS) VS WTI SWAP	FF	88	174.71	-49.7%	137.14	-35.9%	159	437.4	-63.6%
WTS (ARGUS) VS WTI TRD MT	FH	46	50	-8.0%	50.1	-8.2%	49	15.51	212.7%
Energy Options									
BRENT 1 MONTH CAL	AA	0	0	-	0	-	0	36.59	-100.0%
BRENT CALENDAR SWAP	BA	11	0	-	0	-	3	13.9	-78.9%
BRENT CRUDE OIL 12 M CSO	9Y	0	0	-	0	-	0	24.39	-100.0%
BRENT CRUDE OIL 1 M CSO	9C	429	6,311.62	-93.2%	147.62	190.3%	367	3,106.63	-88.2%
BRENT CRUDE OIL 6 M CSO	9L	0	47.62	-100.0%	0	-	0	12.2	-100.0%
BRENT OIL LAST DAY	BE	2,760	2,445.19	12.9%	1,102.29	150.4%	2,132	1,050.78	102.9%
BRENT OIL LAST DAY	BZO	4,556	6,256.62	-27.2%	4,716.71	-3.4%	4,530	5,546.94	-18.3%
BRENT OIL LAST DAY	OS	0	0	-	0	-	0	12.68	-100.0%
COAL API2 INDEX	CLA	2	10.71	-84.4%	2.38	-30.0%	1	36.16	-97.1%
COAL API2 INDEX	CQA	0	19.05	-100.0%	14.29	-100.0%	6	12.8	-51.4%
COAL API4 INDEX	RLA	0	0	-	0	-	0	0.3	-100.0%
COAL API4 INDEX	RQA	0	0	-	0	-	0	0.73	-100.0%
COAL SWAP	CPF	0	0	-	0	-	0	0	-
COAL SWAP	RPF	0	0	-	0	-	0	0	-
CRUDE OIL	6Y	0	0	-	7.14	-100.0%	2	0	-
CRUDE OIL 1MO	WA	15,150	11,917.86	27.1%	9,871.62	53.5%	12,274	9,161.71	34.0%
CRUDE OIL APO	AO	3,866	2,711.76	42.6%	4,466.86	-13.5%	2,849	2,791.66	2.0%
CRUDE OIL CALNDR STRIP	6F	0	8.1	-100.0%	9.52	-100.0%	2	2.07	17.6%
CRUDE OIL OUTRIGHTS	AH	0	0	-	0	-	0	0	-
CRUDE OIL OUTRIGHTS	WCI	0	0	-	0	-	12	0	-
CRUDE OIL PHY	CD	29	183.33	-84.4%	11.9	140.0%	10	85.67	-87.9%

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Energy Options									
CRUDE OIL PHY	LC	828	647.14	27.9%	238.1	247.6%	492	649.89	-24.3%
CRUDE OIL PHY	LO	132,905	177,134.29	-25.0%	97,957.33	35.7%	114,424	181,924.55	-37.1%
CRUDE OIL PHY	LO1	1,112	690.95	61.0%	292.43	280.4%	847	587.34	44.2%
CRUDE OIL PHY	LO2	1,299	860.48	50.9%	651.81	99.2%	874	675.16	29.5%
CRUDE OIL PHY	LO3	502	801.19	-37.4%	4.14	12014.0%	330	584.33	-43.5%
CRUDE OIL PHY	LO4	1,262	871.9	44.8%	684.52	84.4%	750	705.99	6.2%
CRUDE OIL PHY	LO5	0	0	-	930.38	-100.0%	239	161.91	47.4%
ETHANOL	CE1	0	8.33	-100.0%	0	-	0	3.35	-100.0%
ETHANOL	CE3	0	0	-	0	-	0	0	-
ETHANOL SWAP	CVR	522	350.48	48.9%	406.33	28.4%	381	388.62	-2.1%
ETHANOL SWAP	GVR	0	28.57	-100.0%	8.57	-100.0%	10	20.52	-53.7%
HEATING OIL PHY	LB	16	0	-	9.76	67.3%	8	0	-
HEATING OIL PHY	OH	952	1,216.38	-21.8%	995.71	-4.4%	1,214	1,640.35	-26.0%
HENRY HUB FINANCIAL LAST	E7	568	66	760.8%	226.52	150.8%	365	176.2	107.4%
HO 1 MONTH CLNDR OPTIONS	FA	55	0	-	0	-	26	0	-
LLS CRUDE OIL	WJO	0	0	-	0	-	0	1.22	-100.0%
LLS CRUDE OIL	YVO	0	0	-	0	-	0	0	-
MCCLOSKEY ARA ARGS COAL	MTO	0	0	-	0	-	2	1.1	44.4%
MCCLOSKEY RCH BAY COAL	MFO	2	9.52	-75.0%	0	-	3	21.04	-84.3%
NATURAL GAS 1 M CSO FIN	G4	571	7.14	7900.0%	373.81	52.9%	2,128	2,593.8	-18.0%
NATURAL GAS 2 M CSO FIN	G2	60	0	-	23.81	150.0%	21	0	-
NATURAL GAS 3 M CSO FIN	G3	1,214	372.14	226.3%	216.67	460.4%	373	174.34	114.0%
NATURAL GAS 5 M CSO FIN	G5	0	52.38	-100.0%	0	-	0	31.1	-100.0%
NATURAL GAS 6 M CSO FIN	G6	538	47.62	1030.0%	19.05	2725.0%	346	776.22	-55.4%
NATURAL GAS OPTION ON CALENDAR STR	6J	19	218.29	-91.3%	133.33	-85.7%	94	224.49	-58.2%
NATURAL GAS PHY	KD	116	875.81	-86.7%	41.52	179.5%	100	1,117.39	-91.0%
NATURAL GAS PHY	LN	58,562	60,721.24	-3.6%	42,816.19	36.8%	69,257	101,757.21	-31.9%
NATURAL GAS PHY	ON	5,792	5,385.19	7.6%	4,127.62	40.3%	6,358	8,993.31	-29.3%
NATURAL GAS WINTER STRIP	6I	0	0	-	0	-	0	0	-
N ROCKIES PIPE SWAP	ZR	49	0	-	0	-	13	0	-
NY HARBOR HEAT OIL SWP	AT	19	88.38	-78.7%	68.19	-72.3%	59	143.21	-58.5%
NYISO ZONE G 5MW PEAK OPTIONS	9U	0	0	-	0	-	0	0	-
PANHANDLE PIPE SWAP	PU	0	0	-	0	-	0	0	-
PETROCHEMICALS	4H	18	23.81	-24.6%	1.52	1078.1%	22	26.01	-13.5%
PETROCHEMICALS	4J	0	0	-	0	-	0	16.46	-100.0%
PETROCHEMICALS	4K	8	0	-	0	-	2	0	-

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Energy Options									
PETROCHEMICALS	CPR	0	0	-	0	-	0	0	-
PETRO OUTRIGHT EURO	8H	0	0	-	0	-	0	0	-
PETRO OUTRIGHT EURO	BCO	0	0	-	0	-	0	0	-
PETRO OUTRIGHT NA	DAP	0	0	-	0	-	0	0	-
PJM WES HUB PEAK CAL MTH	6OA	2	8.1	-76.5%	4.76	-60.0%	2	3.05	-36.0%
PJM WES HUB PEAK CAL MTH	JOA	0	0	-	0	-	0	10.73	-100.0%
PJM WES HUB PEAK LMP 50MW	PMA	0	61.05	-100.0%	18.86	-100.0%	10	52.13	-80.4%
RBOB 1MO CAL SPD OPTIONS	ZA	0	0	-	0	-	2	6.1	-70.0%
RBOB CALENDAR SWAP	RA	0	21.9	-100.0%	2.71	-100.0%	3	11.1	-74.0%
RBOB CRACK	RX	0	0	-	0	-	0	0	-
RBOB PHY	OB	1,585	397.62	298.6%	494.81	220.3%	818	566.27	44.4%
RBOB PHY	RF	0	0	-	0.95	-100.0%	6	1.52	312.8%
ROTTERDAM 3.5%FUEL OIL CL	Q6	0	0	-	0	-	0	0	-
SAN JUAN PIPE SWAP	PJ	0	42.86	-100.0%	0	-	0	10.98	-100.0%
SHORT TERM	C15	0	0	-	0	-	0	0	-
SHORT TERM	U11	0	0	-	0	-	3	3.66	-16.7%
SHORT TERM	U12	0	15.48	-100.0%	0	-	9	6.52	30.8%
SHORT TERM	U13	0	4.76	-100.0%	0	-	0	1.22	-100.0%
SHORT TERM	U14	0	0	-	0	-	1	7.74	-92.1%
SHORT TERM	U15	1	0	-	0	-	10	3.35	200.0%
SHORT TERM	U22	0	0	-	0	-	0	12.5	-99.9%
SHORT TERM	U23	0	11.9	-100.0%	0	-	0	7.07	-100.0%
SHORT TERM	U24	0	0	-	0	-	0	1.22	-100.0%
SHORT TERM	U25	0	0	-	0	-	0	0	-
SHORT TERM	U26	0	14.29	-100.0%	0	-	0	3.66	-100.0%
SHORT TERM NATURAL GAS	U01	0	0	-	0	-	6	1.52	320.0%
SHORT TERM NATURAL GAS	U02	0	0	-	0	-	0	11.89	-100.0%
SHORT TERM NATURAL GAS	U03	0	0	-	0	-	0	1.59	-100.0%
SHORT TERM NATURAL GAS	U04	0	0	-	0	-	7	3.05	140.0%
SHORT TERM NATURAL GAS	U05	0	9.52	-100.0%	0	-	2	7.62	-68.0%
SHORT TERM NATURAL GAS	U06	0	21.43	-100.0%	2.38	-100.0%	1	5.49	-88.9%
SHORT TERM NATURAL GAS	U07	0	0	-	14.29	-100.0%	7	3.05	140.0%
SHORT TERM NATURAL GAS	U08	0	0	-	0	-	6	14.94	-59.2%
SHORT TERM NATURAL GAS	U09	0	21.81	-100.0%	0	-	1	8.95	-86.4%
SHORT TERM NATURAL GAS	U10	0	4.76	-100.0%	0	-	0	2.44	-100.0%
SHORT TERM NATURAL GAS	U16	0	0	-	0	-	1	7.13	-82.9%

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Commodity		ADV APR 2019	ADV APR 2018	% CHG	ADV MAR 2019	% CHG	ADV Y.T.D 2019	ADV Y.T.D 2018	% CHG
Energy Options									
SHORT TERM NATURAL GAS	U17	0	14.29	-100.0%	0	-	0	6.34	-100.0%
SHORT TERM NATURAL GAS	U18	1	0	-	0	-	0	6.1	-95.0%
SHORT TERM NATURAL GAS	U19	0	5.95	-100.0%	0	-	0	2.26	-100.0%
SHORT TERM NATURAL GAS	U20	0	0	-	0	-	0	0	-
SHORT TERM NATURAL GAS	U21	0	0	-	2.38	-100.0%	1	0	-
SHORT TERM NATURAL GAS	U27	0	7.14	-100.0%	0	-	0	4.88	-100.0%
SHORT TERM NATURAL GAS	U28	0	0	-	1.19	-100.0%	5	1.22	325.0%
SHORT TERM NATURAL GAS	U29	0	0	-	0	-	0	3.66	-100.0%
SHORT TERM NATURAL GAS	U30	0	0	-	0	-	0	1.22	-100.0%
SHORT TERM NATURAL GAS	U31	0	0	-	0	-	10	0.3	3299.8%
SINGAPORE GASOIL CALENDAR	M2	0	0	-	0	-	0	0	-
SINGAPORE JET FUEL CALEND	N2	0	0	-	0	-	0	0	-
WTI-BRENT BULLET SWAP	BV	2,204	6,702.86	-67.1%	1,128.57	95.3%	2,827	6,420.59	-56.0%
WTI CRUDE OIL 1 M CSO FI	7A	5,283	5,595.24	-5.6%	2,754.76	91.8%	3,187	3,915.24	-18.6%
Ag Products Futures									
COCOA TAS	CJ	0	0.24	-100.0%	0	-	0	0.06	-100.0%
COTTON	TT	0	0	-	0	-	0	0.02	50.0%
SUGAR 11	YO	0	2.76	-100.0%	0	-	0	0.71	-100.0%
TOTAL FUTURES GROUP									
Ag Products Futures		0	3	-100.0%	0	-	0	0.79	-95.4%
Energy Futures		2,242,292	2,317,071.86	-3.2%	1,999,131.43	12.2%	2,142,258	2,380,612.37	-10.0%
Metals Futures		476,606	625,124.9	-23.8%	520,406.33	-8.4%	493,575	647,889.46	-23.8%
TOTAL FUTURES		2,718,898	2,942,199.76	-7.6%	2,519,537.76	7.9%	2,635,833.71	3,028,502.62	-13.0%

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Commodity	ADV APR 2019	ADV APR 2018	% CHG	ADV MAR 2019	% CHG	ADV Y.T.D 2019	ADV Y.T.D 2018	% CHG
TOTAL OPTIONS GROUP								
Energy Options	242,867	293,350.05	-17.2%	175,003.33	38.8%	227,852	336,428.63	-32.3%
Metals Options	51,655	57,210.9	-9.7%	71,303.57	-27.6%	59,150	57,159.94	3.5%
TOTAL OPTIONS	294,522	350,560.95	-16.0%	246,306.91	19.6%	287,001.53	393,588.57	-27.1%
TOTAL COMBINED								
Metals	528,262	682,335.81	-22.6%	591,709.9	-10.7%	552,725	705,049.4	-21.6%
Energy	2,485,158	2,610,421.91	-4.8%	2,174,134.76	14.3%	2,370,110	2,717,041	-12.8%
Ag Products	0	3	-100.0%	0	-	0	0.79	-95.4%
GRAND TOTAL	3,013,420	3,292,760.71	-8.5%	2,765,844.67	9.0%	2,922,835.23	3,422,091.2	-14.6%