

## NYMEX/COMEX Exchange ADV Report - Monthly

May 2019

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Commodity		ADV MAY 2019	ADV MAY 2018	% CHG	ADV APR 2019	% CHG	ADV Y.T.D 2019	ADV Y.T.D 2018	% CHG
<b>Metals Futures</b>									
COMEX GOLD	GC	323,068	394,390.27	-18.1%	242,683.14	33.1%	280,084	371,232.41	-24.6%
NYMEX HOT ROLLED STEEL	HR	1,336	431.23	209.8%	906.24	47.4%	944	487.72	93.6%
NYMEX PLATINUM	PL	18,835	17,833	5.6%	18,967.24	-0.7%	21,106	20,858.96	1.2%
PALLADIUM	PA	5,934	5,785.09	2.6%	4,603.67	28.9%	5,718	6,124.64	-6.6%
URANIUM	UX	36	4.55	695.1%	47.62	-24.1%	72	9.73	641.7%
COMEX SILVER	SI	65,662	77,372.95	-15.1%	91,443.1	-28.2%	77,937	101,082.6	-22.9%
COMEX E-Mini GOLD	QO	684	316.36	116.2%	438.76	55.9%	419	341.39	22.6%
COMEX E-Mini SILVER	QI	269	40.82	560.0%	189.05	42.5%	159	56.32	181.6%
COMEX COPPER	HG	93,525	116,497.18	-19.7%	106,833.24	-12.5%	101,099	133,906.38	-24.5%
COMEX MINY COPPER	QC	19	16.5	17.2%	37.1	-47.9%	28	26.56	4.5%
ALUMINUM	A38	0	0	-	0	-	0	0	-
ALUMINUM	AEP	40	127.45	-68.6%	111.29	-64.1%	85	94.62	-10.7%
ALUMINUM	ALA	6	35.23	-83.8%	0	-	2	35.58	-93.5%
ALUMINUM	ALI	0	0	-	0	-	0	0	-
ALUMINUM	AUP	339	385.45	-12.2%	299.29	13.1%	314	566.71	-44.6%
ALUMINUM	CUP	0	0	-	0	-	0	1.97	-100.0%
ALUMINUM	EDP	54	81.14	-33.1%	71.05	-23.6%	99	81.51	21.1%
ALUMINUM	MJP	69	8	757.1%	25.71	166.7%	41	71.88	-43.3%
COPPER	HGS	95	2.27	4094.7%	56.95	67.4%	55	97.34	-43.7%
E-MICRO GOLD	MGC	7,845	6,759.95	16.0%	8,804.29	-10.9%	9,401	6,421.84	46.4%
FERROUS PRODUCTS	BUS	43	50.27	-14.4%	118.1	-63.5%	61	99.04	-37.9%
Gold Kilo	GCK	0	0	-	0	-	0	1.31	-100.0%
IRON ORE 62 CHINA PLATTS FUTURES	PIO	0	0	-	0	-	0	0	-
IRON ORE 62 CHINA TSI FUTURES	TIO	269	243.14	10.7%	211	27.6%	340	190.03	78.9%
LNDN ZINC	ZNC	5	6.23	-17.4%	5.57	-7.7%	12	1.7	581.1%
SILVER	SIL	642	252.09	154.8%	753.86	-14.8%	739	334.75	120.7%
<b>Metals Options</b>									
COMEX COPPER	HX	2,221	968.18	129.4%	3,322.9	-33.1%	2,940	995.35	195.3%
COMEX GOLD	OG	42,382	44,210.18	-4.1%	38,430.14	10.3%	45,001	46,301.4	-2.8%
COMEX SILVER	SO	5,136	6,416.23	-20.0%	4,932.14	4.1%	5,862	7,041.89	-16.8%
COPPER	H1E	1	0	-	3.05	-73.4%	1	0	-
COPPER	H2E	11	0	-	1.19	788.0%	3	0	-
COPPER	H3E	1	0	-	0	-	1	0	-

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COPPER	H4E	1	0.5	4.8%	0.48	10.0%	0	0.11	294.6%
COPPER	H5E	0	0	-	0	-	0	0	-
GOLD	OG1	686	552.41	24.2%	1,677.52	-59.1%	1,052	511.78	105.6%
GOLD	OG2	1,703	472.36	260.5%	1,160.19	46.8%	1,219	412.65	195.5%
GOLD	OG3	840	545.18	54.1%	888.67	-5.5%	878	467.56	87.8%
GOLD	OG4	1,008	184.95	444.7%	519.05	94.1%	569	265.19	114.4%
GOLD	OG5	596	0	-	0	-	255	65.72	287.7%
HOT ROLLED COIL STEEL CALL OPTION	HRO	0	0	-	0	-	6	0	-
IRON ORE 62 CHINA TSI CALL OPTION	ICT	0	0	-	150	-100.0%	65	1.92	3262.3%
IRON ORE 62 CHINA TSI PUT OPTION	ICT	0	0	-	85.71	-100.0%	35	10.38	236.6%
NYMEX PLATINUM	PO	208	147.14	41.2%	201.62	3.1%	184	151.64	21.3%
PALLADIUM	PAO	54	100.55	-45.9%	72.76	-25.2%	64	159.37	-59.7%
SILVER	SO1	52	5.41	858.7%	47	10.3%	45	7.12	530.8%
SILVER	SO2	34	14.41	135.3%	69.62	-51.3%	39	6.41	515.5%
SILVER	SO3	42	9.41	348.9%	53.86	-21.6%	53	9.28	466.5%
SILVER	SO4	27	4.95	452.6%	39.52	-30.7%	21	4.56	353.9%
SILVER	SO5	27	0	-	0	-	18	1.28	1317.4%
<b>Energy Futures</b>									
CRUDE OIL PHY	CL	1,283,488	1,406,851.68	-8.8%	1,315,648.14	-2.4%	1,233,685	1,338,642.85	-7.8%
CRUDE OIL	WS	0	181.82	-100.0%	50.67	-100.0%	162	80.18	102.1%
MINY WTI CRUDE OIL	QM	22,530	18,580.55	21.3%	14,263.57	58.0%	19,692	15,346.41	28.3%
BRENT OIL LAST DAY	BZ	142,316	97,835.86	45.5%	114,065.43	24.8%	101,362	86,606.84	17.0%
HEATING OIL PHY	HO	181,680	197,027	-7.8%	142,807.57	27.2%	161,824	196,976.5	-17.8%
HTG OIL	BH	0	0	-	2.29	-100.0%	0	0.46	1.0%
MINY HTG OIL	QH	0	0.09	57.2%	0.19	-25.0%	0	0.14	14.4%
RBOB PHY	RB	220,974	207,685.41	6.4%	249,707.81	-11.5%	218,659	199,373.77	9.7%
MINY RBOB GAS	QU	0	0.14	109.5%	0.14	99.9%	0	0.14	102.0%
NATURAL GAS	HP	4,836	4,424.18	9.3%	5,052.9	-4.3%	5,283	6,617.63	-20.2%
LTD NAT GAS	HH	12,385	15,137.23	-18.2%	13,835.19	-10.5%	15,183	17,597.57	-13.7%
MINY NATURAL GAS	QG	1,070	724.91	47.6%	988.62	8.2%	1,248	1,431.98	-12.8%
PJM MONTHLY	JM	0	0	-	0	-	0	0	-
NATURAL GAS PHY	NG	311,978	374,614.05	-16.7%	330,666.71	-5.7%	350,188	447,893.93	-21.8%

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<b>Energy Futures</b>									
RBOB GAS	RT	0	45.91	-100.0%	2.86	-100.0%	1	137.87	-99.6%
3.5% FUEL OIL CID MED SWA	7D	3	2.5	20.0%	0.24	1160.0%	1	4.35	-83.7%
3.5% FUEL OIL CIF BALMO S	8D	0	0.23	-100.0%	0	-	0	0.91	-78.7%
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	217	1,170.77	-81.4%	583.38	-62.7%	625	1,299.73	-51.9%
ARGUS PROPAN FAR EST INDE	7E	256	223.09	14.8%	320.86	-20.2%	307	316.45	-3.1%
ARGUS PROPAN(SAUDI ARAMCO	9N	133	101.73	30.7%	167.43	-20.6%	149	132.62	12.1%
AUSTRIALIAN COKE COAL	ACT	0	0.91	-100.0%	0	-	0	0.19	-100.0%
AUSTRIALIAN COKE COAL	ALW	0	0	-	0	-	0	0	-
BRENT BALMO SWAP	J9	0	0	-	17.38	-100.0%	7	0.48	1339.7%
BRENT CALENDAR SWAP	CY	527	593	-11.1%	101.81	417.8%	228	198.04	15.1%
BRENT CFD SWAP	6W	0	0	-	0	-	0	2.88	-100.0%
BRENT FINANCIAL FUTURES	BB	0	21.64	-100.0%	166.67	-100.0%	68	105.54	-35.6%
BRENT FINANCIAL FUTURES	MBC	1	0	-	0	-	1	0	-
BRENT FINANCIAL FUTURES	MDB	0	3.64	-100.0%	0	-	0	2.15	-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	0.35	-100.0%
CHICAGO ETHANOL SWAP	CU	5,543	4,800.86	15.5%	5,245.19	5.7%	5,352	5,217.13	2.6%
CHICAGO ULSD PL VS HO SPR	5C	52	7.73	575.4%	11.9	338.4%	31	12.71	142.7%
CHICAGO UNL GAS PL VS RBO	3C	0	0	-	7.62	-100.0%	7	5.05	29.8%
CIG BASIS	CI	0	0	-	0	-	0	1.88	-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	25	62.36	-60.0%	0	-	27	57.46	-53.7%
CIN HUB 5MW REAL TIME O P	H4	0	0	-	0	-	38	0	-
CIN HUB 5MW REAL TIME PK	H3	0	0	-	0	-	3	0	-
COAL SWAP	ACM	0	5.23	-100.0%	0	-	0	2.88	-100.0%
COLUMB GULF MAINLINE NG B	5Z	0	0	-	17.33	-100.0%	4	0	-
CONWAY NATURAL GASOLINE (OPIS) SWA	8L	5	26.14	-79.6%	6.67	-20.0%	11	10.8	-1.5%

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CONWAY NORMAL BUTANE (OPIS) SWAP	8M	30	11.14	171.5%	14.76	104.8%	14	5.63	151.6%
CONWAY PROPANE 5 DECIMALS SWAP	8K	770	826.45	-6.8%	686.71	12.2%	708	776.52	-8.8%
CRUDE OIL	LPS	143	220.45	-35.2%	154.76	-7.7%	149	233.7	-36.3%
CRUDE OIL OUTRIGHTS	42	23	10.73	118.0%	24.86	-5.9%	25	10.98	129.4%
CRUDE OIL OUTRIGHTS	CC5	17	0	-	25.71	-35.2%	17	0	-
CRUDE OIL OUTRIGHTS	CPD	0	0	-	0	-	0	28.42	-100.0%
CRUDE OIL OUTRIGHTS	CSW	17	0	-	8.57	100.0%	23	0.05	48140.7%
CRUDE OIL OUTRIGHTS	DBL	0	2.68	-100.0%	0	-	0	0.95	-100.0%
CRUDE OIL OUTRIGHTS	GSW	0	0	-	0	-	3	1.01	165.4%
CRUDE OIL OUTRIGHTS	HTT	3,270	3,771.86	-13.3%	3,314.57	-1.3%	2,983	2,660.05	12.1%
CRUDE OIL OUTRIGHTS	LSW	6	0	-	36.81	-84.5%	29	2.79	929.9%
CRUDE OIL OUTRIGHTS	SSW	0	0	-	0	-	0	0	-
CRUDE OIL OUTRIGHTS	UMD	0	4.55	-100.0%	0	-	0	46.15	-100.0%
CRUDE OIL OUTRIGHTS	UNS	0	68.18	-100.0%	0	-	0	72.63	-100.0%
CRUDE OIL OUTRIGHTS	WCC	0	0	-	0	-	0	0	-
CRUDE OIL OUTRIGHTS	WCW	152	310.91	-51.0%	141.67	7.6%	264	470.2	-43.8%
CRUDE OIL PHY	CLL	0	0	-	0	-	0	0	-
CRUDE OIL PHY	HCL	1,194	0	-	1,075.05	11.1%	1,138	0	-
CRUDE OIL SPRDS	38	0	40.91	-100.0%	0	-	0	19.76	-100.0%
CRUDE OIL SPRDS	HIL	34	0	-	0	-	7	0	-
CRUDE OIL SPRDS	WTT	1,411	2,471.05	-42.9%	1,292.24	9.2%	1,102	2,651.32	-58.4%
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	5	0	-	14.29	-66.7%	10	25.58	-62.0%

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DIESEL 10P BRG FOB RDM VS	7X	0	0	-	0	-	0	0.05	-100.0%
DOMINION TRAN INC - APP I	IH	0	0	-	0	-	0	0	-
DOMINION TRANSMISSION INC	PG	0	5.73	-100.0%	0	-	0	1.21	-100.0%
DUBAI CRUDE OIL BALMO	BI	0	0	-	0	-	0	1.2	-100.0%
DUBAI CRUDE OIL CALENDAR	DC	5	124.41	-96.0%	22.38	-77.7%	154	112.32	37.2%
DUTCH TTF NATURAL GAS CAL MONTH FUT	TTF	300	98.91	203.0%	185.14	61.9%	364	53.81	576.8%
EASTERN RAIL DELIVERY CSX	QX	0	1.59	-100.0%	0	-	0	1.78	-100.0%
EAST/WEST FUEL OIL SPREAD	EW	0	0	-	0	-	0	1.51	-100.0%
EIA FLAT TAX ONHWAY DIESE	A5	20	9.59	112.5%	1.86	997.5%	15	8.43	72.1%
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	0	-	0	-	0	188.46	-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	14.52	-100.0%
ERCOT NORTH ZMCPE 5MW OFFPEAK	I8	0	0	-	0	-	0	0	-
ERCOT NORTH ZMCPE 5MW OFFPEAK SWA	I6	0	0	-	0	-	0	188.46	-100.0%
ERCOT NORTH ZMCPE 5MW PEAK	I5	0	0	-	0	-	0	44.33	-100.0%
ETHANOL	MTH	0	0	-	1.43	-100.0%	0	0	-
ETHANOL	Z1B	0	0	-	0	-	0	0	-
ETHANOL SWAP	MT2	7	0.45	1524.0%	7.38	0.0%	5	0.38	1212.7%
ETHANOL T2 FOB ROTT INCL DUTY SWAP	Z1	117	143.32	-18.6%	149	-21.7%	185	150.81	22.4%
EURO 1% FUEL OIL NEW BALM	KX	0	0.68	-79.0%	0	-	0	0.19	-84.9%
EURO 3.5% FUEL OIL RDAM B	KR	2	40.23	-95.3%	1.33	42.9%	2	31.88	-93.5%
EURO 3.5% FUEL OIL SPREAD	FK	2	3.64	-54.2%	1.9	-12.5%	1	5.4	-78.4%
EURO-DENOMINATED PETRO PROD	NCP	0	0	-	0	-	0	0	-
EURO GASOIL 10PPM VS ICE	ET	0	0.45	-100.0%	0	-	0	3.51	-100.0%
EUROPE 1% FUEL OIL NWE CA	UF	16	0.68	2274.7%	0.43	3677.5%	4	3.06	40.7%
EUROPE 1% FUEL OIL RDAM C	UH	0	0.14	-100.0%	0	-	0	0.03	-100.0%
EUROPE 3.5% FUEL OIL MED	UI	3	2.77	6.5%	0.62	377.0%	3	6.45	-47.6%

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EUROPE 3.5% FUEL OIL RDAM	UV	35	659.41	-94.7%	57.05	-38.6%	61	453.86	-86.6%
EUROPEAN GASOIL (ICE)	7F	2	35.73	-93.9%	0	-	5	23.54	-80.4%
EUROPEAN NAPHTHA BALMO	KZ	5	9.73	-46.2%	6.1	-14.1%	10	12.63	-23.5%
EUROPEAN NAPHTHA CRACK SPR	EN	167	405.59	-58.8%	228.9	-27.0%	247	444.88	-44.5%
EUROPE DATED BRENT SWAP	UB	12	0	-	2.38	420.0%	10	0	-
EUROPE JET KERO NWE CALSW	UJ	0	0	-	0.24	-100.0%	0	0.14	-66.4%
EUROPE NAPHTHA CALSWAP	UN	101	114.64	-11.7%	121.33	-16.6%	116	155.6	-25.5%
EURO PROPANE CIF ARA SWA	PS	79	70.59	11.6%	105.1	-25.1%	99	95.6	3.4%
FREIGHT MARKETS	FLP	8	3.36	136.4%	2.62	203.6%	6	5.44	16.3%
FREIGHT MARKETS	FRC	7	15.91	-55.1%	3.81	87.5%	6	5.14	13.2%
FREIGHT MARKETS	FRS	0	0	-	0	-	0	0	-
FREIGHT MARKETS	T2D	28	13.64	102.5%	15.95	73.1%	27	12.77	112.1%
FREIGHT MARKETS	TC6	0	0	-	0	-	0	2.31	-100.0%
FREIGHT MARKETS	TD3	0	0	-	0	-	1	0	-
FREIGHT MARKETS	TD8	0	0	-	0	-	1	0	-
FUEL OIL CRACK VS ICE	FO	129	236.82	-45.5%	92.86	39.0%	83	228.12	-63.4%
FUEL OIL NWE CRACK VS ICE	FI	0	0	-	0	-	0	1.64	-91.1%
FUEL OIL (PLATS) CAR CM	1W	0	0	-	0	-	0	1.48	-100.0%
FUEL OIL (PLATS) CAR CN	1X	0	0	-	0	-	0	0.69	-100.0%
FUELOIL SWAP:CARGOES VS.B	FS	13	8.91	46.5%	4.05	222.4%	11	13.66	-22.7%
GAS EURO-BOB OXY NWE BARGES	7H	212	475.55	-55.4%	334.19	-36.5%	342	382.22	-10.5%
GAS EURO-BOB OXY NWE BARGES CRK	7K	417	779.95	-46.5%	504.86	-17.4%	490	1,060.29	-53.8%
GASOIL 0.1CIF MED VS ICE	Z5	0	0	-	0	-	0	0.1	-100.0%
GASOIL 0.1 CIF NWE VS ISE	TU	0	0	-	0.24	0.0%	0	0	-
GASOIL 0.1 RDAM BRGS VS I	WQ	0	0	-	0	-	0	0.05	202.7%
GASOIL 0.1 ROTTERDAM BARG	VL	1	27.73	-94.8%	2.33	-38.8%	1	9.38	-89.3%
GASOIL 10PPM VS ICE SWAP	TP	1	0	-	0	-	0	0.12	228.1%
GASOIL CALENDAR SWAP	GX	1	1.09	-47.6%	0	-	1	0.35	85.1%
GASOIL CRACK SPREAD CALEN	GZ	14	188.45	-92.4%	0	-	7	270.75	-97.3%
GASOIL MINI CALENDAR SWAP	QA	6	5.95	8.0%	11.81	-45.6%	9	6.41	47.6%
GERMAN POWER BASELOAD CAL MONTH F	DEB	138	0	-	119.14	15.5%	110	19.96	451.0%
GROUP THREE ULSD (PLATTS)	A7	0	1.82	-100.0%	0	-	0	1.49	-100.0%
GROUP THREE UNLEAD GAS (P	A9	0	19.32	-100.0%	0	-	0	4.09	-100.0%
GRP THREE ULSD(PLT)VS HEA	A6	333	129.32	157.2%	81.67	307.3%	168	184.03	-8.5%
GRP THREE UNL GS (PLT) VS	A8	115	78.36	47.1%	181.38	-36.5%	164	102.52	59.6%
GULF COAST 3% FUEL OIL BA	VZ	18	98.82	-81.4%	32.62	-43.8%	36	73.75	-50.8%

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<b>Energy Futures</b>									
GULF COAST JET FUEL CLNDR	GE	0	2.18	-100.0%	0	-	3	6.55	-60.4%
GULF COAST JET VS NYM 2 H	ME	1,416	1,288.14	10.0%	949.76	49.1%	1,025	2,081.46	-50.8%
GULF COAST NO.6 FUEL OIL	MF	1,021	3,391.68	-69.9%	1,157.86	-11.8%	1,221	3,035.13	-59.8%
GULF COAST NO.6 FUEL OIL	MG	0	114.55	-100.0%	5.24	-100.0%	10	105.8	-90.6%
GULF COAST ULSD CALENDAR	LY	22	10.86	103.4%	7.81	182.9%	17	9.55	77.0%
GULF COAST ULSD CRACK SPR	GY	0	0	-	0	-	0	12.45	-100.0%
HEATING OIL BALMO CLNDR S	1G	0	0	-	1.67	-100.0%	0	0.54	-18.9%
HEATING OIL CRCK SPRD BAL	1H	1	0	-	0	-	0	0	-
HEATING OIL PHY	HOL	0	0	-	0	-	0	0	-
HENRY HUB BASIS SWAP	HB	229	0	-	218.48	4.6%	91	59.54	53.1%
HENRY HUB FINANCIAL LAST	NBP	0	198.95	-100.0%	0	-	0	92.95	-100.0%
HENRY HUB FINANCIAL LAST	TTE	0	3.14	-100.0%	0	-	0	6.63	-100.0%
HENRY HUB INDEX SWAP FUTU	IN	229	0	-	218.48	4.6%	91	59.54	53.1%
HENRY HUB SWAP	NN	4,981	9,680.41	-48.5%	5,567.81	-10.5%	5,833	8,263.57	-29.4%
HOUSTON SHIP CHANNEL BASI	NH	0	0	-	35.05	-100.0%	7	0	-
ICE BRENT DUBAI SWAP	DB	306	696.41	-56.0%	205.95	48.6%	251	560.94	-55.2%
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	17	7.95	115.5%	8.19	109.3%	19	3.94	383.9%
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	0	3.68	-100.0%	8.05	-100.0%	2	16.24	-89.9%
JAPAN C&F NAPHTHA SWAP	JA	47	123.23	-61.9%	77.19	-39.2%	68	102.19	-33.9%
JAPAN NAPHTHA BALMO SWAP	E6	0	2.41	-100.0%	0.24	-100.0%	3	1.86	44.4%
JET AV FUEL (P) CAR FM ICE GAS SWAP	1V	0	0	-	0	-	0	0.05	-100.0%
JET CIF NWE VS ICE	JC	0	0.82	-100.0%	0	-	1	4.73	-85.6%
JET FUEL UP-DOWN BALMO CL	1M	326	174.09	87.5%	230	41.9%	207	327.63	-36.8%
JKM LNG Futures	JKM	137	23.86	474.7%	37.71	263.6%	87	38.17	128.3%
LA CARB DIESEL (OPIS) SWA	KL	0	20.45	-97.7%	0	-	3	13.94	-79.5%
LA CARBOB GASOLINE(OPIS)S	JL	15	29.55	-47.6%	4.76	225.0%	19	37.74	-48.5%
LA JET (OPIS) SWAP	JS	39	106.59	-63.1%	81.9	-52.0%	61	114.23	-46.3%
LLS (ARGUS) CALENDAR SWAP	XA	0	0	-	0	-	0	0	-
LLS (ARGUS) VS WTI SWAP	WJ	40	785.14	-95.0%	222.9	-82.3%	143	350.91	-59.3%

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<b>Energy Futures</b>									
LOS ANGELES CARB GASOLINE	MH	0	0	-	0	-	0	0	-
MARS (ARGUS) VS WTI SWAP	YX	83	113.64	-27.1%	26.67	210.7%	94	163.89	-42.5%
MARS (ARGUS) VS WTI TRD M	YV	660	1,253.41	-47.3%	1,037.71	-36.4%	971	1,367.41	-29.0%
MARS BLEND CRUDE OIL	MB	0	27.27	-100.0%	0	-	0	20.38	-100.0%
MCCLOSKEY ARA ARGS COAL	MTF	1,288	984.18	30.9%	1,240.24	3.8%	1,342	1,234.54	8.7%
MCCLOSKEY RCH BAY COAL	MFF	71	155.18	-54.2%	110.81	-35.8%	119	167.63	-29.0%
MGF FUT	MGF	0	0	-	0	-	0	1.25	-100.0%
MGN1 SWAP FUT	MGN	3	3.64	-21.4%	0	-	2	4.45	-49.8%
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	14	14.27	1.4%	3.19	353.7%	10	16.38	-40.3%
MINI RBOB V. EBOBARG NWE BRGS BALMO	MXR	8	14.09	-42.6%	55.9	-85.5%	29	13.11	117.8%
MINI RBOB V. EBOB(ARGUS) NWE BRGS	MXB	186	72.64	156.3%	128.71	44.6%	119	75.14	58.9%
MJC FUT	MJC	2	5.45	-65.1%	0	-	1	10.48	-86.1%
MNC FUT	MNC	187	197.09	-5.1%	195.67	-4.4%	207	180.99	14.2%
MONT BELVIEU ETHANE 5 DECIMAL	C0	440	783.95	-43.9%	712.57	-38.2%	631	756.12	-16.5%
MONT BELVIEU ETHANE OPIS BALMO	8C	5	5.68	-20.4%	7.1	-36.2%	8	7.5	8.6%
MONT BELVIEU LDH PROPANE 5 DECIMAL	B0	6,212	5,801.32	7.1%	8,225.67	-24.5%	6,708	6,393.37	4.9%
MONT BELVIEU LDH PROPANE OPIS BALM	80	190	93.5	103.6%	53.62	255.1%	164	154.82	6.0%
MONT BELVIEU NATURAL GASOLINE 5 DEC	7Q	378	379.95	-0.4%	391.76	-3.4%	394	452.34	-12.9%
MONT BELVIEU NATURAL GASOLINE BALM	R0	19	16.18	19.2%	14.76	30.6%	28	20.47	38.7%
MONT BELVIEU NORMAL BUTANE 5 DECIM	D0	2,663	1,651	61.3%	2,123	25.5%	1,997	1,479.25	35.0%
MONT BELVIEU NORMAL BUTANE BALMO	8J	88	30.95	182.9%	59.38	47.5%	74	43.27	71.0%
NAT GAS BASIS SWAP	TZ6	0	0	-	0	-	0	0	-
NATURAL GAS	XIC	0	0	-	0	-	0	0	-
NATURAL GAS PEN SWP	NP	1,742	2,359.95	-26.2%	1,477.38	17.9%	1,432	2,053.93	-30.3%
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	375.27	-100.0%	0	-	161	674.77	-76.2%
NEPOOL INTR HUB 5MW D AH	U6	0	20.32	-100.0%	0	-	0	37.13	-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	-

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<b>Energy Futures</b>									
NEPOOL W CNTR M 5MW D AH	R6	0	0	-	0	-	0	0	-
NEW ENGLAND HUB PEAK DAIL	CE	0	0	-	0	-	0	0	-
NEW YORK ETHANOL SWAP	EZ	31	55.45	-44.6%	14.52	111.5%	31	83.47	-62.3%
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	-	12	3.85	213.0%
NGPL TEX/OK	PD	0	0	-	122.67	-100.0%	25	219.58	-88.6%
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	5	17.41	-72.6%	0	-	7	18.44	-64.5%
NORTHEN NATURAL GAS DEMAR	PE	0	0	-	0	-	0	0	-
NORTHEN NATURAL GAS VENTU	PF	0	0	-	0	-	0	0.96	-100.0%
NORTHWEST ROCKIES BASIS S	NR	0	0	-	0	-	30	0	-
N ROCKIES PIPE SWAP	XR	0	0	-	0	-	0	0	-
NY1% VS GC SPREAD SWAP	VR	28	21.59	30.1%	7.14	293.3%	23	72.85	-68.6%
NY 3.0% FUEL OIL (PLATTS	H1	12	1.14	947.6%	3.57	233.3%	8	9.62	-21.7%
NY HARBOR 1% FUEL OIL BAL	VK	0	0	-	0	-	0	0	-
NY HARBOR HEAT OIL SWP	MP	294	73.23	301.7%	23.33	1160.6%	120	72.65	65.1%
NY HARBOR LOW SULPUR GAS 1000MBBL	NLS	0	7.95	-100.0%	3.57	-100.0%	4	25.48	-85.1%
NY HARBOR RESIDUAL FUEL 1	MM	27	76.68	-65.1%	51.57	-48.1%	44	59.84	-26.6%
NY HARBOR RESIDUAL FUEL C	ML	0	0	-	0	-	0	0	-
NYH NO 2 CRACK SPREAD CAL	HK	12	52.5	-76.4%	22.86	-45.8%	16	60.88	-74.4%
NYISO CAPACITY	LHV	0	0.91	-100.0%	0	-	2	1.58	47.8%
NYISO CAPACITY	NNC	0	4.59	-100.0%	0	-	0	3.91	-100.0%
NYISO CAPACITY	NRS	0	4.05	-100.0%	0	-	1	1.89	-69.2%
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	1,557	7,226.55	-78.4%	388.57	300.8%	450	5,301.29	-91.5%
NYISO ZONE G 5MW D AH PK	T3	86	512	-83.3%	0	-	17	161.29	-89.2%
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	-	0	-	14	0	-
NY ULSD (ARGUS) VS HEATING OIL	7Y	4	6.09	-42.1%	35.71	-90.1%	12	1.29	835.1%

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<b>Energy Futures</b>									
ONEOK OKLAHOMA NG BASIS	8X	0	0	-	0	-	0	0	-
ONTARIO POWER SWAPS	OFD	0	0	-	0	-	0	0	-
ONTARIO POWER SWAPS	OPD	0	0	-	0	-	0	0.1	-100.0%
ONTARIO POWER SWAPS	OPM	5	0	-	0	-	1	0	-
PANHANDLE BASIS SWAP FUTU	PH	0	0	-	0	-	0	2.64	-100.0%
PANHANDLE PIPE SWAP	XH	0	0	-	0	-	0	0	-
PERMIAN BASIS SWAP	PM	0	0	-	0	-	0	0	-
PETROCHEMICALS	22	9	9.5	-10.3%	8.52	0.0%	9	8.28	3.9%
PETROCHEMICALS	32	3	8.32	-59.9%	3.48	-4.1%	5	9.93	-47.2%
PETROCHEMICALS	3NA	0	0	-	0.76	-100.0%	0	0	-
PETROCHEMICALS	51	1	0	-	0.24	140.0%	0	0.22	-25.4%
PETROCHEMICALS	8I	11	60.73	-81.3%	44.38	-74.4%	29	47.07	-39.1%
PETROCHEMICALS	91	27	12.09	122.5%	14.05	91.5%	24	24.42	-2.6%
PETROCHEMICALS	MAA	1	2.27	-58.1%	2.38	-60.0%	1	0.48	101.9%
PETROCHEMICALS	MAE	13	9.55	34.7%	7.14	80.0%	11	9.42	12.7%
PETROCHEMICALS	MAS	13	3.86	236.5%	3.81	241.3%	8	5.14	60.0%
PETROCHEMICALS	MBE	37	34.09	7.6%	15.95	129.9%	18	41.35	-55.7%
PETROCHEMICALS	MNB	25	122.91	-79.3%	56.24	-54.8%	46	110.39	-58.6%
PETROCHEMICALS	MPS	7	5.23	40.3%	4.52	62.1%	8	4.42	71.0%
PETRO CRCKS & SPRDS ASIA	JNC	0	0	-	0	-	0	0	-
PETRO CRCKS & SPRDS ASIA	STR	0	0	-	0	-	0	0.96	-100.0%
PETRO CRCKS & SPRDS ASIA	STS	3	0	-	4.86	-45.1%	2	3.93	-54.1%
PETRO CRCKS & SPRDS NA	CRB	308	25.45	1111.3%	479.76	-35.7%	343	15.43	2120.1%
PETRO CRCKS & SPRDS NA	EXR	117	159.41	-26.4%	154.29	-23.9%	152	143.98	5.8%
PETRO CRCKS & SPRDS NA	FOC	45	1.14	3880.8%	2.38	1800.0%	23	43.51	-47.1%
PETRO CRCKS & SPRDS NA	GBB	17	135.23	-87.7%	10.48	59.1%	33	55.96	-41.5%
PETRO CRCKS & SPRDS NA	GCC	0	15.45	-100.0%	0	-	0	12.4	-100.0%
PETRO CRCKS & SPRDS NA	GCI	58	69.5	-16.1%	115.57	-49.5%	69	71.37	-2.9%
PETRO CRCKS & SPRDS NA	GCM	0	0.95	-100.0%	0	-	0	1.37	-100.0%
PETRO CRCKS & SPRDS NA	GCU	113	740.05	-84.7%	107.29	5.6%	164	641.57	-74.4%
PETRO CRCKS & SPRDS NA	GFC	0	1.14	-100.0%	0	-	1	0.24	303.9%
PETRO CRCKS & SPRDS NA	HOB	24	17.73	37.0%	165.71	-85.3%	48	59.38	-19.1%
PETRO CRCKS & SPRDS NA	MFR	0	0	-	0	-	0	0	-
PETRO CRCKS & SPRDS NA	NFG	0	0	-	0	-	0	0.48	-100.0%
PETRO CRCKS & SPRDS NA	NYF	0	0	-	0	-	0	0	-
PETRO CRCKS & SPRDS NA	RBB	357	457.91	-22.0%	486.67	-26.6%	464	272.16	70.6%

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<b>Energy Futures</b>									
PETRO CRCKS & SPRDS NA	RVG	624	1,061.77	-41.2%	745.48	-16.3%	730	889.04	-17.9%
PETRO CRCKS & SPRDS NA	SF3	0	1.5	-84.1%	6.19	-96.2%	5	2.57	83.8%
PETRO CRK&SPRD EURO	1NB	36	64.55	-44.3%	96.52	-62.8%	81	95.76	-15.7%
PETRO CRK&SPRD EURO	1ND	0	0	-	0	-	0	0.96	-100.0%
PETRO CRK&SPRD EURO	43	2	7.32	-67.5%	3.57	-33.3%	1	19.03	-93.6%
PETRO CRK&SPRD EURO	BFR	0	0	-	0	-	1	0	-
PETRO CRK&SPRD EURO	BOB	19	116.23	-83.5%	25.05	-23.6%	25	99.46	-74.8%
PETRO CRK&SPRD EURO	EOB	0	3	-100.0%	0	-	0	1.67	-91.3%
PETRO CRK&SPRD EURO	EPN	23	46.91	-50.9%	29.29	-21.3%	29	50.02	-42.2%
PETRO CRK&SPRD EURO	EVC	9	165.73	-94.3%	14.43	-34.3%	21	110.31	-81.4%
PETRO CRK&SPRD EURO	FBT	0	0	-	0	-	1	0	-
PETRO CRK&SPRD EURO	FVB	0	0	-	0	-	0	0.29	-100.0%
PETRO CRK&SPRD EURO	GCB	0	7.05	-100.0%	0	-	3	5.1	-46.3%
PETRO CRK&SPRD EURO	GOC	0	0	-	0	-	0	0.81	-100.0%
PETRO CRK&SPRD EURO	MGB	1	0	-	1.43	0.0%	1	0.77	51.5%
PETRO CRK&SPRD EURO	MUD	0	0.45	-100.0%	0	-	0	1.28	-92.4%
PETRO CRK&SPRD EURO	NBB	0	0.27	-100.0%	1	-100.0%	1	0.98	-42.6%
PETRO CRK&SPRD EURO	NOB	13	81.77	-83.9%	22	-40.3%	26	85.31	-69.6%
PETRO CRK&SPRD EURO	SFB	0	0	-	1	-100.0%	0	0.29	71.6%
PETROLEUM PRODUCTS	1NM	11	0	-	5.86	95.1%	4	0	-
PETROLEUM PRODUCTS	EWG	143	113	26.4%	156.76	-8.9%	157	237.36	-33.9%
PETROLEUM PRODUCTS	JCC	1	0	-	0	-	0	0	-
PETROLEUM PRODUCTS	MME	0	0	-	0	-	0	0.29	-100.0%
PETROLEUM PRODUCTS	MPE	0	0	-	0	-	0	0	-
PETROLEUM PRODUCTS	VU	2	11.36	-79.0%	0	-	2	8.2	-78.1%
PETROLEUM PRODUCTS ASIA	E6M	0	0.91	-100.0%	0	-	0	3.79	-87.2%
PETROLEUM PRODUCTS ASIA	MJN	87	80.18	8.4%	66.29	31.1%	81	108.13	-24.7%
PETRO OUTRIGHT EURO	0B	0	0	-	0.95	-100.0%	0	0.48	-59.6%
PETRO OUTRIGHT EURO	0C	0	0	-	0.48	-100.0%	0	0	-
PETRO OUTRIGHT EURO	0D	94	84.64	10.6%	78.33	19.5%	68	64.38	4.9%
PETRO OUTRIGHT EURO	0E	0	1.36	-100.0%	0.95	-100.0%	0	1.43	-65.4%
PETRO OUTRIGHT EURO	0F	20	33.09	-38.7%	21.43	-5.3%	20	30.41	-32.8%
PETRO OUTRIGHT EURO	1T	0	0	-	0.24	-100.0%	0	0.14	-66.4%
PETRO OUTRIGHT EURO	33	0	0	-	0	-	0	0	-
PETRO OUTRIGHT EURO	5L	3	2.05	39.7%	0.48	500.0%	2	1.29	45.4%
PETRO OUTRIGHT EURO	63	0	0	-	0	-	0	1.03	-95.3%

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Commodity	ADV MAY 2019	ADV MAY 2018	% CHG	ADV APR 2019	% CHG	ADV Y.T.D 2019	ADV Y.T.D 2018	% CHG
<b>Energy Futures</b>								
PETRO OUTFRIGHT EURO	71	1.5	296.8%	2	197.6%	5	4.44	13.4%
PETRO OUTFRIGHT EURO	7R	17.27	-72.7%	5.43	-13.2%	10	15.48	-35.4%
PETRO OUTFRIGHT EURO	88	0	-	0	-	0	0.91	-100.0%
PETRO OUTFRIGHT EURO	CBB	0	-	0	-	0	0.53	-100.0%
PETRO OUTFRIGHT EURO	CGB	0	-	0	-	0	0	-
PETRO OUTFRIGHT EURO	CPB	22.55	-87.3%	3.19	-10.4%	13	28.68	-54.2%
PETRO OUTFRIGHT EURO	EFF	0.36	-100.0%	0.24	-100.0%	1	0.97	10.0%
PETRO OUTFRIGHT EURO	EFM	0	-	0	-	0	0	-
PETRO OUTFRIGHT EURO	ENS	0.45	319.1%	2.14	-11.1%	1	0.63	47.6%
PETRO OUTFRIGHT EURO	EWN	28.14	-40.1%	17.76	-5.1%	31	33.09	-5.4%
PETRO OUTFRIGHT EURO	FLB	0	-	0	-	0	0	-
PETRO OUTFRIGHT EURO	GES	0	-	0	-	0	0	-
PETRO OUTFRIGHT EURO	H5G	0	-	0	-	1	0	-
PETRO OUTFRIGHT EURO	MBB	0	-	0	-	0	1.55	-100.0%
PETRO OUTFRIGHT EURO	MBN	49.64	-51.1%	20	21.4%	17	63.38	-72.6%
PETRO OUTFRIGHT EURO	MEF	0	-	21.57	-13.7%	18	0	-
PETRO OUTFRIGHT EURO	R53	0	-	0	-	0	0	-
PETRO OUTFRIGHT EURO	R5M	0	-	0.19	6299.2%	3	0	-
PETRO OUTFRIGHT EURO	R5O	0	-	4.05	-92.9%	1	0	-
PETRO OUTFRIGHT EURO	S5M	0	-	0	-	1	0	-
PETRO OUTFRIGHT EURO	SMU	0	-	0	-	1	3.15	-61.5%
PETRO OUTFRIGHT EURO	T0	0.41	-100.0%	0	-	0	0.09	-100.0%
PETRO OUTFRIGHT EURO	T2B	0	-	0	-	0	0	-
PETRO OUTFRIGHT EURO	V0	0	-	0	-	0	9.42	-100.0%
PETRO OUTFRIGHT EURO	X0	0	-	0	-	0	0	-
PETRO OUTFRIGHT NA	FCB	11.55	-86.8%	6.29	-75.8%	2	4.84	-67.1%
PETRO OUTFRIGHT NA	FOM	0	-	0	-	0	0	-
PETRO OUTFRIGHT NA	JE	0	-	0	-	0	0.66	-100.0%
PETRO OUTFRIGHT NA	JET	81.82	137.2%	100	94.0%	123	110.38	11.3%
PETRO OUTFRIGHT NA	JTB	0	-	26.19	177.3%	41	23.65	72.4%
PETRO OUTFRIGHT NA	MBL	1.36	-100.0%	0	-	0	0.38	-100.0%
PETRO OUTFRIGHT NA	MEN	12	-38.5%	8.81	-16.2%	10	14.37	-31.6%
PETRO OUTFRIGHT NA	MEO	214.05	-50.7%	127.71	-17.3%	131	193.48	-32.4%
PETRO OUTFRIGHT NA	MFD	3.18	-100.0%	0	-	0	0.96	-100.0%
PETRO OUTFRIGHT NA	MMF	0	-	6.38	21.6%	5	0.53	860.2%
PETRO OUTFRIGHT NA	XER	0	-	0	-	0	0	-

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<b>Energy Futures</b>									
PJM AD HUB 5MW REAL TIME	V3	1,112	0	-	0	-	908	269.54	236.7%
PJM AD HUB 5MW REAL TIME	Z9	61	0	-	0	-	25	72.24	-65.6%
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	-
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	61	0	-	0	-	12	49.04	-74.6%
PJM NI HUB 5MW REAL TIME	B6	1,112	0	-	0	-	227	0	-
PJM NILL DA OFF-PEAK	L3	0	0	-	0	-	0	0	-
PJM NILL DA PEAK	N3	0	0	-	0	-	0	0.21	-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	0	-	0	-	0	753.94	-100.0%
PJM WESTH DA PEAK	J4	0	0	-	0	-	0	40.87	-100.0%
PJM WESTH RT OFF-PEAK	N9	0	4,441.82	-100.0%	0	-	227	2,603.85	-91.3%
PJM WESTH RT PEAK	L1	950	77.95	1118.1%	204.57	364.2%	388	347.78	11.4%
PLASTICS	PGP	36	18.64	94.2%	21.9	65.2%	40	18.58	115.6%
PREMIUM UNLD 10P FOB MED	3G	1	5.09	-71.9%	5.62	-74.6%	7	13.83	-51.6%
PREMIUM UNLEAD 10PPM FOB	8G	0	3.82	-100.0%	0	-	0	2.39	-92.7%
PREM UNL GAS 10PPM RDAM FOB BALMO	7N	0	0	-	0	-	0	0.77	-74.8%
PREM UNL GAS 10PPM RDAM FOB SWAP	7L	0	2.45	-100.0%	0	-	0	0.62	-52.7%
PROPANE NON-LDH MB (OPIS) BALMO SWP	1S	4	18.41	-80.6%	53.52	-93.3%	80	25.54	213.6%
PROPANE NON-LDH MT. BEL (OPIS) SWP	1R	644	829.64	-22.4%	857.19	-24.8%	835	585.99	42.6%
RBOB CALENDAR SWAP	RL	404	216.68	86.6%	428.29	-5.6%	320	213.94	49.8%
RBOB CRACK SPREAD	RM	100	123.18	-18.8%	95.95	4.2%	65	69.02	-6.5%
RBOB CRACK SPREAD BALMO S	1E	1	0	-	0	-	0	0	-
RBOB GASOLINE BALMO CLNDR	1D	37	69.36	-47.0%	76.1	-51.7%	49	65.27	-24.5%
RBOB PHY	RBL	0	0	-	0	-	0	0	-
RBOB SPREAD (PLATTS) SWAP	RI	0	0	-	0	-	0	0	-

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<b>Energy Futures</b>									
RBOB VS HEATING OIL SWAP	RH	0	0	-	0	-	1	11.06	-93.4%
SAN JUAN BASIS SWAP	NJ	0	0	-	0	-	0	0.3	-100.0%
SAN JUAN PIPE SWAP	XX	0	0	-	0	-	0	3.46	-100.0%
SINGAPORE 180CST BALMO	BS	0	5.14	-90.7%	1.24	-61.5%	1	2.84	-75.0%
SINGAPORE 380CST BALMO	BT	1	26.32	-95.3%	3.95	-68.7%	2	9.5	-77.1%
SINGAPORE 380CST FUEL OIL	SE	164	581.5	-71.8%	122.95	33.5%	153	387.63	-60.5%
SINGAPORE FUEL 180CST CAL	UA	9	81.73	-88.6%	23.14	-59.7%	15	49.63	-70.3%
SINGAPORE FUEL OIL SPREAD	SD	1	34.45	-96.1%	0.71	86.7%	3	47.1	-94.4%
SINGAPORE GASOIL	MAF	71	0	-	75.05	-5.8%	84	0	-
SINGAPORE GASOIL	MTB	2	4.09	-39.5%	2.19	13.0%	2	3.44	-31.5%
SINGAPORE GASOIL	MTS	150	202.18	-25.8%	153.52	-2.2%	171	238.25	-28.1%
SINGAPORE GASOIL	STZ	0	0	-	0	-	0	41.35	-100.0%
SINGAPORE GASOIL CALENDAR	GDH	0	0	-	0	-	0	0.48	-100.0%
SINGAPORE GASOIL CALENDAR	GDL	0	0	-	0	-	0	2.4	-100.0%
SINGAPORE GASOIL CALENDAR	GHS	0	0	-	0	-	0	0	-
SINGAPORE GASOIL CALENDAR	MGO	0	0	-	0	-	0	1.92	-100.0%
SINGAPORE GASOIL CALENDAR	MSG	8	8.18	-4.6%	0.9	763.1%	8	39.41	-79.0%
SINGAPORE GASOIL CALENDAR	SGG	0	0	-	0	-	0	3.13	-100.0%
SINGAPORE GASOIL SWAP	SG	26	59.82	-56.4%	65.9	-60.4%	53	216.18	-75.4%
SINGAPORE GASOIL VS ICE	GA	0	576.14	-100.0%	0	-	42	833.99	-94.9%
SINGAPORE JET KERO BALMO	BX	0	0	-	0	-	0	1.59	-100.0%
SINGAPORE JET KERO GASOIL	RK	0	146.59	-100.0%	0	-	1	216.54	-99.6%
SINGAPORE JET KEROSENE SW	KS	19	25	-23.8%	44.76	-57.4%	29	51.88	-44.1%
SINGAPORE JET KERO VS. GASOIL BALMO	Z0	0	0	-	0	-	0	0.24	-100.0%
SINGAPORE MOGAS 92 UNLEADED BALMO	1P	0	29.55	-100.0%	21.43	-100.0%	13	22.24	-40.0%
SINGAPORE MOGAS 92 UNLEADED SWP	1N	144	390	-63.0%	662.95	-78.2%	674	695.04	-3.0%
SINGAPORE NAPHTHA SWAP	SP	0	0	-	0	-	0	1.92	-100.0%
SING FUEL	MSD	0	0.45	-100.0%	0	-	0	0.63	-100.0%
SOUTH STAR TEX OKLHM KNS	8Z	0	0	-	0	-	0	0	-
Sumas Basis Swap	NK	0	0	-	0	-	0	0.88	-100.0%
TC2 ROTTERDAM TO USAC 37K	TM	6	0	-	11.9	-48.0%	11	5.27	104.5%
TC5 RAS TANURA TO YOKOHAM	TH	11	0	-	13.33	-19.6%	17	2.31	634.1%
TCO BASIS SWAP	TC	0	0	-	0	-	0	0	-
TD3 MEG TO JAPAN 250K MT	TL	286	42.95	566.3%	143.57	99.3%	204	27.98	628.5%
TENNESSEE ZONE 0 BASIS SW	NQ	0	0	-	0	-	0	0	-
Tetco STX Basis	TX	0	0	-	0	-	0	0	-

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<b>Energy Futures</b>									
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 FUT	0	0	-	0	-	0	0.48	-59.6%
UK NBP NAT GAS CAL MTH FUT	UKG	1	402.95	-99.8%	16.9	-94.4%	31	228.8	-86.6%
ULSD 10PPM CIF MED VS ICE	Z7	0	0	-	0	-	0	0.13	-100.0%
ULSD UP-DOWN BALMO SWP	1L	213	330.68	-35.6%	161.9	31.6%	271	260	4.4%
UP DOWN GC ULSD VS NMX HO	LT	1,662	1,467.91	13.3%	967.14	71.9%	1,344	1,645.63	-18.3%
WAHA BASIS	NW	7	12.55	-43.1%	3.57	100.0%	6	30.78	-79.5%
WESTERN RAIL DELIVERY PRB	QP	0	0	-	0	-	0	0.14	-100.0%
WTI-BRENT BULLET SWAP	BY	0	0	-	12.57	-100.0%	8	60.58	-86.2%
WTI-BRENT CALENDAR SWAP	BK	1,867	1,773.77	5.2%	2,920.86	-36.1%	1,742	1,838.43	-5.3%
WTI CALENDAR	CS	1,848	1,316.95	40.3%	3,280.95	-43.7%	2,241	1,755.06	27.7%
WTS (ARGUS) VS WTI SWAP	FF	656	199.68	228.6%	87.86	646.8%	261	387.12	-32.7%
WTS (ARGUS) VS WTI TRD MT	FH	37	4.09	807.9%	46	-19.3%	46	13.1	252.7%
<b>Energy Options</b>									
BRENT 1 MONTH CAL	AA	0	0	-	0	-	0	28.85	-100.0%
BRENT CALENDAR SWAP	BA	100	18.18	450.0%	11.43	775.0%	23	14.81	53.4%
BRENT CRUDE OIL 12 M CSO	9Y	0	0	-	0	-	0	19.23	-100.0%
BRENT CRUDE OIL 1 M CSO	9C	36	2,801.36	-98.7%	428.57	-91.7%	300	3,042.06	-90.2%
BRENT CRUDE OIL 6 M CSO	9L	0	0	-	0	-	0	9.62	-100.0%
BRENT OIL LAST DAY	BE	3,310	2,540	30.3%	2,759.81	19.9%	2,372	1,365.81	73.7%
BRENT OIL LAST DAY	BZO	6,923	6,261.82	10.6%	4,556.29	51.9%	5,018	5,698.16	-11.9%
BRENT OIL LAST DAY	OS	0	0	-	0	-	0	10	-100.0%
COAL API2 INDEX	CLA	2	40.45	-94.1%	1.67	42.9%	1	37.07	-96.5%
COAL API2 INDEX	CQA	0	43.41	-100.0%	0	-	5	19.28	-74.3%
COAL API4 INDEX	RLA	0	0	-	0	-	0	0.24	-100.0%
COAL API4 INDEX	RQA	0	0	-	0	-	0	0.58	-100.0%
COAL SWAP	CPF	0	0	-	0	-	0	0	-
COAL SWAP	RPF	0	0	-	0	-	0	0	-
CRUDE OIL	6Y	0	0	-	0	-	1	0	-

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<b>Energy Options</b>									
CRUDE OIL 1MO	WA	14,290	13,565.91	5.3%	15,150.33	-5.7%	12,685	10,093.37	25.7%
CRUDE OIL APO	AO	1,287	3,022.5	-57.4%	3,865.71	-66.7%	2,530	2,840.49	-10.9%
CRUDE OIL CALNDR STRIP	6F	0	0	-	0	-	2	1.63	18.8%
CRUDE OIL OUTRIGHTS	AH	0	0	-	0	-	0	0	-
CRUDE OIL OUTRIGHTS	WCI	0	0	-	0	-	9	0	-
CRUDE OIL PHY	CD	14	467.05	-96.9%	28.57	-50.0%	11	166.35	-93.3%
CRUDE OIL PHY	LC	637	445.64	42.9%	827.57	-23.1%	522	606.68	-14.0%
CRUDE OIL PHY	LO	153,305	178,881	-14.3%	132,905.19	15.3%	122,351	181,280.72	-32.5%
CRUDE OIL PHY	LO1	573	1,132.18	-49.3%	1,112.29	-48.4%	791	702.6	12.6%
CRUDE OIL PHY	LO2	663	1,071.91	-38.1%	1,298.57	-48.9%	831	759.09	9.5%
CRUDE OIL PHY	LO3	491	403.64	21.6%	501.86	-2.2%	363	546.11	-33.5%
CRUDE OIL PHY	LO4	987	1,027.64	-4.0%	1,262.24	-21.8%	798	774.03	3.1%
CRUDE OIL PHY	LO5	684	2.82	24153.9%	0	-	329	128.26	156.8%
ETHANOL	CE1	0	0	-	0	-	0	2.64	-100.0%
ETHANOL	CE3	0	6.82	-100.0%	0	-	0	1.44	-100.0%
ETHANOL SWAP	CVR	491	467.5	4.9%	521.76	-6.0%	403	405.31	-0.6%
ETHANOL SWAP	GVR	0	4.09	-100.0%	0	-	8	17.05	-55.6%
HEATING OIL PHY	LB	2	28.18	-92.4%	16.33	-86.9%	7	5.96	17.4%
HEATING OIL PHY	OH	1,836	1,178	55.8%	951.52	92.9%	1,340	1,542.55	-13.1%
HENRY HUB FINANCIAL LAST	E7	441	155.05	184.2%	568.14	-22.5%	381	171.72	121.8%
HO 1 MONTH CLNDR OPTIONS	FA	0	0	-	54.76	-100.0%	21	0	-
LLS CRUDE OIL	WJO	0	0	-	0	-	0	0.96	-100.0%
LLS CRUDE OIL	YVO	0	0	-	0	-	0	0	-
MCCLOSKEY ARA ARGS COAL	MTO	0	6.14	-100.0%	0	-	1	2.16	-41.7%
MCCLOSKEY RCH BAY COAL	MFO	5	6.82	-30.2%	2.38	100.0%	4	18.03	-80.1%
NATURAL GAS 1 M CSO FIN	G4	927	465.91	99.0%	571.43	62.3%	1,883	2,143.67	-12.1%
NATURAL GAS 2 M CSO FIN	G2	4	0	-	59.52	-94.0%	18	0	-
NATURAL GAS 3 M CSO FIN	G3	514	688.64	-25.3%	1,214.29	-57.6%	402	283.13	42.0%
NATURAL GAS 5 M CSO FIN	G5	12	0	-	0	-	2	24.52	-90.1%
NATURAL GAS 6 M CSO FIN	G6	195	90.91	114.8%	538.1	-63.7%	315	631.25	-50.1%
NATURAL GAS OPTION ON CALENDAR STR	6J	29	40.91	-30.2%	19.05	50.0%	81	185.65	-56.6%
NATURAL GAS PHY	KD	52	1,070.23	-95.2%	116.05	-55.4%	90	1,107.41	-91.9%
NATURAL GAS PHY	LN	55,865	68,877.27	-18.9%	58,561.52	-4.6%	66,526	94,801.84	-29.8%
NATURAL GAS PHY	ON	4,360	7,625.73	-42.8%	5,791.95	-24.7%	5,950	8,704.01	-31.6%
NATURAL GAS WINTER STRIP	6I	62	0	-	0	-	13	0	-
N ROCKIES PIPE SWAP	ZR	26	33.45	-22.3%	48.86	-46.8%	15	7.08	115.7%

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<b>Energy Options</b>									
NY HARBOR HEAT OIL SWP	AT	296	177.05	67.4%	18.86	1472.0%	108	150.37	-28.3%
NYISO ZONE G 5MW PEAK OPTIONS	9U	0	0	-	0	-	0	0	-
PANHANDLE PIPE SWAP	PU	0	0	-	0	-	0	0	-
PETROCHEMICALS	4H	1	32.18	-97.0%	17.95	-94.7%	18	27.32	-33.8%
PETROCHEMICALS	4J	10	0	-	0	-	2	12.98	-85.0%
PETROCHEMICALS	4K	0	0	-	7.62	-100.0%	2	0	-
PETROCHEMICALS	CPR	2	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	0	0	-	1.9	-100.0%	2	2.4	-35.4%
PJM WES HUB PEAK CAL MTH	JOA	0	0	-	0	-	0	8.46	-100.0%
PJM WES HUB PEAK LMP 50MW	PMA	0	48.36	-100.0%	0	-	8	51.34	-84.2%
RBOB 1MO CAL SPD OPTIONS	ZA	0	0	-	0	-	1	4.81	-69.7%
RBOB CALENDAR SWAP	RA	0	2.5	-100.0%	0	-	2	9.28	-75.2%
RBOB CRACK	RX	0	0	-	0	-	0	0	-
RBOB PHY	OB	842	627.5	34.2%	1,585.1	-46.9%	823	579.22	42.0%
RBOB PHY	RF	23	0	-	0	-	10	1.2	712.6%
ROTTERDAM 3.5%FUEL OIL CL	Q6	0	0	-	0	-	0	0	-
SAN JUAN PIPE SWAP	PJ	43	15.27	183.7%	0	-	9	11.88	-25.7%
SHORT TERM	C15	0	0	-	0	-	0	0	-
SHORT TERM	U11	0	29.59	-100.0%	0	-	2	9.14	-73.5%
SHORT TERM	U12	0	0	-	0	-	7	5.14	32.1%
SHORT TERM	U13	0	0	-	0	-	0	0.96	-100.0%
SHORT TERM	U14	0	4.68	-100.0%	0	-	0	7.1	-93.2%
SHORT TERM	U15	0	0.09	-100.0%	1.19	-100.0%	8	2.66	200.7%
SHORT TERM	U22	0	1.64	-100.0%	0.05	-100.0%	0	10.2	-99.9%
SHORT TERM	U23	1	0	-	0	-	0	5.58	-97.0%
SHORT TERM	U24	0	14.82	-100.0%	0	-	0	4.1	-100.0%
SHORT TERM	U25	0	0	-	0	-	0	0	-
SHORT TERM	U26	0	0	-	0	-	0	2.88	-100.0%
SHORT TERM NATURAL GAS	U01	0	10.23	-100.0%	0	-	5	3.37	51.5%
SHORT TERM NATURAL GAS	U02	0	9.09	-100.0%	0	-	0	11.3	-100.0%
SHORT TERM NATURAL GAS	U03	0	28.41	-99.3%	0	-	0	7.26	-99.5%
SHORT TERM NATURAL GAS	U04	0	5.68	-100.0%	0	-	6	3.61	61.6%
SHORT TERM NATURAL GAS	U05	0	3.64	-100.0%	0	-	2	6.78	-71.4%

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Commodity		ADV MAY 2019	ADV MAY 2018	% CHG	ADV APR 2019	% CHG	ADV Y.T.D 2019	ADV Y.T.D 2018	% CHG
<b>Energy Options</b>									
SHORT TERM NATURAL GAS	U06	0	0	-	0	-	0	4.33	-88.8%
SHORT TERM NATURAL GAS	U07	0	13.64	-100.0%	0	-	6	5.29	10.1%
SHORT TERM NATURAL GAS	U08	0	6.82	-100.0%	0	-	5	13.22	-63.3%
SHORT TERM NATURAL GAS	U09	0	0	-	0	-	1	7.06	-86.2%
SHORT TERM NATURAL GAS	U10	0	22.73	-100.0%	0	-	0	6.73	-100.0%
SHORT TERM NATURAL GAS	U16	0	0.55	-100.0%	0	-	1	5.74	-83.1%
SHORT TERM NATURAL GAS	U17	0	80	-100.0%	0	-	0	21.92	-100.0%
SHORT TERM NATURAL GAS	U18	0	1	-100.0%	1.19	-100.0%	0	5.02	-95.2%
SHORT TERM NATURAL GAS	U19	0	0	-	0	-	0	1.78	-100.0%
SHORT TERM NATURAL GAS	U20	0	0	-	0	-	0	0	-
SHORT TERM NATURAL GAS	U21	0	9.23	-100.0%	0	-	0	1.95	-75.1%
SHORT TERM NATURAL GAS	U27	0	0	-	0	-	0	3.85	-100.0%
SHORT TERM NATURAL GAS	U28	0	0	-	0	-	4	0.96	329.1%
SHORT TERM NATURAL GAS	U29	0	4.55	-100.0%	0	-	0	3.85	-100.0%
SHORT TERM NATURAL GAS	U30	10	0	-	0	-	2	0.96	101.9%
SHORT TERM NATURAL GAS	U31	0	0	-	0	-	8	0.24	3332.8%
SINGAPORE GASOIL CALENDAR	M2	0	0	-	0	-	0	0	-
SINGAPORE JET FUEL CALEND	N2	0	0	-	0	-	0	0	-
WTI-BRENT BULLET SWAP	BV	2,360	4,363.23	-45.9%	2,203.57	7.1%	2,731	5,985.38	-54.4%
WTI CRUDE OIL 1 M CSO FI	7A	2,305	3,759.09	-38.7%	5,283.33	-56.4%	3,007	3,882.21	-22.5%
<b>Ag Products Futures</b>									
COCOA TAS	CJ	0	0	-	0	-	0	0.05	-100.0%
COTTON	TT	0	0	-	0	-	0	0.02	355.2%
SUGAR 11	YO	0	0	-	0	-	0	0.56	-100.0%

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Commodity	ADV MAY 2019	ADV MAY 2018	% CHG	ADV APR 2019	% CHG	ADV Y.T.D 2019	ADV Y.T.D 2018	% CHG
<b>TOTAL FUTURES GROUP</b>								
Ag Products Futures	0	0	-	0	-	0	0.63	-86.0%
Energy Futures	2,237,015	2,398,513.64	-6.7%	2,242,291.95	-0.2%	2,161,578	2,384,399.17	-9.3%
Metals Futures	518,776	620,639.18	-16.4%	476,606.24	8.8%	498,713	642,124.98	-22.3%
<b>TOTAL FUTURES</b>	<b>2,755,791</b>	<b>3,019,152.82</b>	<b>-8.7%</b>	<b>2,718,898.19</b>	<b>1.4%</b>	<b>2,660,291.09</b>	<b>3,026,524.78</b>	<b>-12.1%</b>
<b>TOTAL OPTIONS GROUP</b>								
Energy Options	254,015	301,742.68	-15.8%	242,866.52	4.6%	233,186	329,091.22	-29.1%
Metals Options	55,030	53,631.86	2.6%	51,655.43	6.5%	58,310	56,413.62	3.4%
<b>TOTAL OPTIONS</b>	<b>309,045</b>	<b>355,374.55</b>	<b>-13.0%</b>	<b>294,521.95</b>	<b>4.9%</b>	<b>291,495.78</b>	<b>385,504.84</b>	<b>-24.4%</b>
<b>TOTAL COMBINED</b>								
Metals	573,806	674,271.05	-14.9%	528,261.67	8.6%	557,023	698,538.6	-20.3%
Energy	2,491,030	2,700,256.32	-7.7%	2,485,158.48	0.2%	2,394,764	2,713,490.39	-11.7%
Ag Products	0	0	-	0	-	0	0.63	-86.0%
<b>GRAND TOTAL</b>	<b>3,064,836</b>	<b>3,374,527.36</b>	<b>-9.2%</b>	<b>3,013,420.14</b>	<b>1.7%</b>	<b>2,951,786.86</b>	<b>3,412,029.62</b>	<b>-13.5%</b>