

## NYMEX/COMEX Exchange ADV Report - Monthly

September 2019

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Commodity		ADV SEP 2019	ADV SEP 2018	% CHG	ADV AUG 2019	% CHG	ADV Y.T.D 2019	ADV Y.T.D 2018	% CHG
<b>Metals Futures</b>									
COMEX GOLD	GC	429,143	289,244.53	48.4%	435,556.82	-1.5%	341,335	336,957.97	1.3%
NYMEX HOT ROLLED STEEL	HR	460	350.95	31.1%	232.41	97.9%	743	482.52	53.9%
NYMEX PLATINUM	PL	36,958	30,560.16	20.9%	22,545.59	63.9%	23,756	22,388.64	6.1%
PALLADIUM	PA	4,008	4,703.58	-14.8%	6,059.09	-33.9%	5,115	5,822.93	-12.2%
URANIUM	UX	61	68.32	-10.9%	0	-	56	18.36	207.1%
COMEX SILVER	SI	128,994	86,754	48.7%	137,210.41	-6.0%	98,200	98,903.04	-0.7%
COMEX E-Mini GOLD	QO	1,617	583.95	176.9%	2,041.59	-20.8%	940	377.94	148.6%
COMEX E-Mini SILVER	QI	373	41.84	791.6%	343.23	8.7%	220	56.23	291.5%
COMEX COPPER	HG	74,570	123,667.74	-39.7%	108,956.95	-31.6%	98,684	138,996.76	-29.0%
COMEX MINY COPPER	QC	37	13.68	171.5%	33.32	11.5%	32	22.24	45.6%
ALUMINUM	A38	0	0	-	0	-	0	0	-
ALUMINUM	AEP	87	18.95	358.6%	121.59	-28.5%	83	65.45	26.3%
ALUMINUM	ALA	15	7.89	93.2%	0.68	2136.7%	3	29.12	-89.8%
ALUMINUM	ALI	163	0	-	141.73	15.2%	36	0	-
ALUMINUM	AUP	230	209.63	9.5%	280.68	-18.2%	279	418.93	-33.4%
ALUMINUM	CUP	0	0	-	0	-	0	1.09	-100.0%
ALUMINUM	EDP	5	57.79	-91.5%	78	-93.7%	89	62.35	42.2%
ALUMINUM	MJP	72	41.05	75.4%	57.27	25.7%	51	54.34	-6.2%
COPPER	HGS	50	57.68	-12.7%	8.23	512.0%	38	65.08	-42.3%
E-MICRO GOLD	MGC	36,133	8,738.89	313.5%	40,445.77	-10.7%	19,627	6,579.14	198.3%
FERROUS PRODUCTS	BUS	70	79	-11.2%	21.27	229.8%	54	78.09	-30.5%
Gold Kilo	GCK	0	0	-	0	-	0	0.72	-100.0%
IRON ORE 62 CHINA PLATTS FUTURES	PIO	0	0	-	0	-	0	0	-
IRON ORE 62 CHINA TSI FUTURES	TIO	147	23.05	538.5%	141.64	3.9%	259	175.32	47.7%
LNDN ZINC	ZNC	0	88.26	-100.0%	0	-	7	31.61	-79.3%
SILVER	SIL	2,852	380.32	649.9%	2,548	11.9%	1,234	360.89	241.8%

### Metals Options

COMEX COPPER	HX	2,929	2,045.32	43.2%	2,573.23	13.8%	2,865	1,273.9	124.9%
COMEX GOLD	OG	72,131	39,453.05	82.8%	100,129	-28.0%	64,051	46,372.39	38.1%
COMEX SILVER	SO	16,273	7,956.42	104.5%	15,507.5	4.9%	9,133	7,536.71	21.2%
COPPER	H1E	2	0.32	533.3%	7.82	-74.4%	2	0.19	951.3%
COPPER	H2E	2	0.32	565.0%	8.23	-74.5%	3	0.6	455.7%
COPPER	H3E	25	0.32	7768.9%	1.82	1266.7%	3	0.54	519.8%

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COPPER	H4E	1	0.68	-19.6%	0.45	21.0%	1	0.9	-25.4%
COPPER	H5E	0	0	-	3.5	-100.0%	1	0.06	708.6%
GOLD	OG1	2,964	572	418.1%	1,764.23	68.0%	1,940	505.77	283.6%
GOLD	OG2	2,369	426.95	454.9%	2,496.91	-5.1%	1,695	428.69	295.4%
GOLD	OG3	2,625	324.53	708.8%	2,066.91	27.0%	1,394	507.99	174.4%
GOLD	OG4	1,525	712.53	114.0%	1,550.59	-1.7%	973	343.9	182.8%
GOLD	OG5	0	0	-	1,532.45	-100.0%	332	138.45	139.7%
HOT ROLLED COIL STEEL CALL OPTION	HRO	0	0	-	0	-	5	0	-
IRON ORE 62 CHINA TSI CALL OPTION	ICT	2	0	-	4.55	-56.0%	36	1.06	3300.1%
IRON ORE 62 CHINA TSI PUT OPTION	ICT	0	0	-	0	-	19	6.81	181.2%
NYMEX PLATINUM	PO	173	255.16	-32.1%	147.09	17.8%	169	197.86	-14.6%
PALLADIUM	PAO	41	109.79	-62.5%	51.59	-20.2%	57	141.69	-59.6%
SILVER	SO1	245	38.84	530.2%	54.73	347.3%	89	20.07	342.8%
SILVER	SO2	251	38.84	546.3%	80.86	210.5%	77	16.85	356.2%
SILVER	SO3	141	44.74	215.5%	132.68	6.4%	69	28.5	143.3%
SILVER	SO4	65	61.32	5.5%	26.68	142.5%	30	14.85	99.3%
SILVER	SO5	0	0	-	98.45	-100.0%	21	11.13	92.8%

### Energy Futures

CRUDE OIL PHY	CL	1,348,512	1,111,216.21	21.4%	1,268,260.82	6.3%	1,222,200	1,232,057.71	-0.8%
CRUDE OIL	WS	0	0	-	0	-	89	83.19	6.7%
MINY WTI CRUDE OIL	QM	30,319	15,731.89	92.7%	24,109.36	25.8%	23,114	15,900.2	45.4%
BRENT OIL LAST DAY	BZ	120,670	82,292.89	46.6%	102,898.95	17.3%	105,308	83,110.69	26.7%
HEATING OIL PHY	HO	195,834	181,059.32	8.2%	153,597	27.5%	162,837	183,808.46	-11.4%
HTG OIL	BH	0	0	-	0	-	1	0.45	14.3%
MINY HTG OIL	QH	0	0.37	-59.3%	0.14	10.0%	0	0.19	-19.4%
RBOB PHY	RB	205,582	205,314.53	0.1%	166,537.41	23.4%	207,425	200,155.02	3.6%
MINY RBOB GAS	QU	0	0.26	-24.0%	0.59	-66.2%	0	0.18	81.8%
NATURAL GAS	HP	7,900	6,837.47	15.5%	5,001.14	58.0%	5,502	5,425.26	1.4%
LTD NAT GAS	HH	16,513	20,298.89	-18.7%	10,030.59	64.6%	14,624	16,422.23	-10.9%
MINY NATURAL GAS	QG	2,226	1,286.68	73.0%	1,585.68	40.4%	1,439	1,210.65	18.9%
PJM MONTHLY	JM	0	0	-	0	-	0	0	-
NATURAL GAS PHY	NG	494,666	514,556.68	-3.9%	421,966.23	17.2%	388,966	425,114.72	-8.5%

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<b>Energy Futures</b>									
RBOB GAS	RT	0	0	-	0	-	0	76.46	-99.5%
3.5% FUEL OIL CID MED SWA	7D	0	3.16	-100.0%	0.73	-100.0%	1	3.04	-83.0%
3.5% FUEL OIL CIF BALMO S	8D	0	0	-	0	-	0	0.51	-78.9%
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	152	648.84	-76.5%	32.73	365.5%	407	1,060.85	-61.6%
ARGUS PROPAN FAR EST INDE	7E	338	332	1.9%	312.36	8.3%	301	277.1	8.7%
ARGUS PROPAN(SAUDI ARAMCO	9N	195	245.37	-20.6%	161.77	20.4%	146	134.13	8.5%
AUSTRIALIAN COKE COAL	ACT	0	0	-	0	-	0	0.11	-100.0%
AUSTRIALIAN COKE COAL	ALW	0	0	-	0	-	0	0	-
BRENT BALMO SWAP	J9	22	5.26	325.6%	16	40.0%	9	1.52	518.6%
BRENT CALENDAR SWAP	CY	75	147.89	-49.4%	450.09	-83.4%	317	163.82	93.8%
BRENT CFD SWAP	6W	0	0	-	0	-	0	1.6	-100.0%
BRENT FINANCIAL FUTURES	BB	0	105.26	-100.0%	0	-	37	86.51	-57.0%
BRENT FINANCIAL FUTURES	MBC	31	0	-	20.45	49.6%	7	0.68	987.4%
BRENT FINANCIAL FUTURES	MDB	0	0	-	0	-	0	1.19	-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	0.19	-100.0%
CHICAGO ETHANOL SWAP	CU	5,219	4,512	15.7%	4,180.05	24.9%	5,031	4,731.89	6.3%
CHICAGO ULSD PL VS HO SPR	5C	37	33.16	11.6%	12.27	201.5%	28	19.95	39.3%
CHICAGO UNL GAS PL VS RBO	3C	10	0	-	2.27	340.0%	7	5.05	44.2%
CIG BASIS	CI	0	0	-	0	-	0	1.04	-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	19	51.68	-63.4%	19.27	-1.9%	25	58.47	-57.5%
CIN HUB 5MW REAL TIME O P	H4	0	0	-	0	-	21	0	-
CIN HUB 5MW REAL TIME PK	H3	0	67.11	-100.0%	0	-	2	8.01	-78.4%
COAL SWAP	ACM	0	2.37	-100.0%	0	-	0	2.71	-100.0%
COLUMB GULF MAINLINE NG B	5Z	0	0	-	0	-	2	0	-
CONWAY NATURAL GASOLINE (OPIS) SWA	8L	24	6.68	265.8%	25.91	-5.6%	12	8.64	41.1%

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CONWAY NORMAL BUTANE (OPIS) SWAP	8M	37	7.11	417.9%	34.55	6.5%	23	14.21	60.7%
CONWAY PROPANE 5 DECIMALS SWAP	8K	628	729.53	-14.0%	642.09	-2.2%	720	768.11	-6.3%
CRUDE OIL	LPS	165	214.74	-23.2%	128.86	28.0%	138	223.06	-38.1%
CRUDE OIL OUTRIGHTS	42	30	19.32	56.3%	2.27	1228.8%	20	12.03	63.8%
CRUDE OIL OUTRIGHTS	CC5	6	4.74	26.7%	5.45	10.0%	18	0.48	3579.1%
CRUDE OIL OUTRIGHTS	CPD	0	0	-	0	-	0	15.72	-100.0%
CRUDE OIL OUTRIGHTS	CSW	0	37.89	-100.0%	12.36	-100.0%	17	12.15	39.7%
CRUDE OIL OUTRIGHTS	DBL	0	0	-	0	-	2	0.53	304.0%
CRUDE OIL OUTRIGHTS	GSW	0	0	-	0	-	1	0.56	162.9%
CRUDE OIL OUTRIGHTS	HTT	2,761	1,577.05	75.1%	1,768.27	56.1%	2,733	2,327.3	17.4%
CRUDE OIL OUTRIGHTS	LSW	0	0	-	1.36	-100.0%	17	1.7	890.0%
CRUDE OIL OUTRIGHTS	SSW	0	0	-	0	-	0	0	-
CRUDE OIL OUTRIGHTS	UMD	0	0	-	0	-	0	25.53	-100.0%
CRUDE OIL OUTRIGHTS	UNS	0	0	-	0	-	0	40.18	-100.0%
CRUDE OIL OUTRIGHTS	WCC	0	0	-	0	-	0	0	-
CRUDE OIL OUTRIGHTS	WCW	113	213.21	-47.0%	73.18	54.3%	192	321.07	-40.1%
CRUDE OIL PHY	CLL	0	0	-	0	-	0	0	-
CRUDE OIL PHY	HCL	307	0	-	573.45	-46.5%	862	0	-
CRUDE OIL SPRDS	38	0	0	-	0	-	0	10.93	-100.0%
CRUDE OIL SPRDS	HIL	0	0	-	0	-	4	0	-
CRUDE OIL SPRDS	WTT	809	1,577.79	-48.7%	597.73	35.4%	1,041	2,107.03	-50.6%
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	0	3.95	-100.0%	0	-	5	17.07	-68.8%

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DIESEL 10P BRG FOB RDM VS	7X	0	0	-	0	-	0	0.03	-100.0%
DOMINION TRAN INC - APP I	IH	0	0	-	0	-	0	0	-
DOMINION TRANSMISSION INC	PG	0	0	-	0	-	0	0.67	-100.0%
DUBAI CRUDE OIL BALMO	BI	0	0	-	0	-	0	0.66	-100.0%
DUBAI CRUDE OIL CALENDAR	DC	8	1,170	-99.4%	5.68	33.8%	95	197.51	-52.0%
DUTCH TTF NATURAL GAS CAL MONTH FUT	TTF	582	345.11	68.7%	429.95	35.4%	427	75.29	467.6%
EASTERN RAIL DELIVERY CSX	QX	0	0	-	0	-	0	1.3	-100.0%
EAST/WEST FUEL OIL SPREAD	EW	0	0	-	0	-	0	0.99	-89.3%
EIA FLAT TAX ONHWAY DIESE	A5	30	45.42	-34.4%	5.41	450.9%	18	13.56	31.7%
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	104.26	-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	10.37	-100.0%
ERCOT NORTH ZMCPE 5MW OFFPEAK	I8	0	0	-	0	-	0	0	-
ERCOT NORTH ZMCPE 5MW OFFPEAK SWA	I6	0	0	-	0	-	0	104.26	-100.0%
ERCOT NORTH ZMCPE 5MW PEAK	I5	0	0	-	0	-	0	26.86	-100.0%
ETHANOL	MTH	0	0	-	0	-	0	0	-
ETHANOL	Z1B	0	0	-	0	-	0	0	-
ETHANOL SWAP	MT2	11	3.16	248.3%	0.91	1110.0%	4	1.76	133.3%
ETHANOL T2 FOB ROTT INCL DUTY SWAP	Z1	140	153.26	-8.4%	135.59	3.5%	156	140.19	11.1%
EURO 1% FUEL OIL NEW BALM	KX	0	0.42	-100.0%	0	-	0	0.18	-90.9%
EURO 3.5% FUEL OIL RDAM B	KR	8	5.79	34.7%	0.5	1460.0%	2	28.07	-91.3%
EURO 3.5% FUEL OIL SPREAD	FK	0	0	-	0	-	1	4.44	-82.4%
EURO-DENOMINATED PETRO PROD	NCP	0	0	-	0	-	0	3.4	-100.0%
EURO GASOIL 10PPM VS ICE	ET	0	0	-	0	-	0	1.97	-100.0%
EUROPE 1% FUEL OIL NWE CA	UF	3	0	-	0.59	433.1%	3	1.95	43.7%
EUROPE 1% FUEL OIL RDAM C	UH	0	0	-	0	-	0	0.02	-100.0%
EUROPE 3.5% FUEL OIL MED	UI	0	3.16	-100.0%	0.82	-100.0%	2	4.4	-53.5%

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EUROPE 3.5% FUEL OIL RDAM	UV	40	114.53	-64.9%	34.64	15.9%	47	375.3	-87.5%
EUROPEAN GASOIL (ICE)	7F	9	35.26	-73.3%	3.82	146.2%	5	22.98	-76.8%
EUROPEAN NAPHTHA BALMO	KZ	3	6.26	-56.1%	0.36	656.3%	7	12.81	-41.9%
EUROPEAN NAPHTHA CRACK SPR	EN	92	337.84	-72.9%	92.55	-1.1%	192	419.73	-54.3%
EUROPE DATED BRENT SWAP	UB	0	57.37	-100.0%	0	-	9	5.8	49.8%
EUROPE JET KERO NWE CALSW	UJ	0	0	-	0	-	0	0.21	-79.5%
EUROPE NAPHTHA CALSWAP	UN	42	156.79	-72.9%	23.14	83.5%	86	161.11	-46.4%
EURO PROPANE CIF ARA SWA	PS	85	73.32	15.3%	75.95	11.3%	91	81.66	12.0%
FREIGHT MARKETS	ACB	0	0	-	0	-	2	0	-
FREIGHT MARKETS	FLP	1	11.37	-89.4%	11	-89.1%	7	6.82	9.8%
FREIGHT MARKETS	FRC	5	0	-	4.09	24.7%	7	3.19	118.7%
FREIGHT MARKETS	FRS	0	0	-	0	-	0	0	-
FREIGHT MARKETS	T2D	11	19.74	-45.5%	10.91	-1.5%	24	13.29	82.3%
FREIGHT MARKETS	TC6	0	0	-	0	-	0	1.28	-100.0%
FREIGHT MARKETS	TD3	0	0	-	0	-	1	0.16	366.6%
FREIGHT MARKETS	TD8	0	0	-	0	-	0	0	-
FREIGHT MARKETS	USC	6	0	-	4.55	21.0%	1	0	-
FUEL OIL CRACK VS ICE	FO	70	61.47	14.0%	129.23	-45.8%	82	176.84	-53.6%
FUEL OIL NWE CRACK VS ICE	FI	0	0	-	0	-	0	0.91	-91.2%
FUEL OIL (PLATS) CAR CM	1W	0	0	-	0	-	0	0.82	-96.1%
FUEL OIL (PLATS) CAR CN	1X	0	0	-	0	-	0	0.64	-100.0%
FUELOIL SWAP:CARGOES VS.B	FS	1	7.37	-91.2%	0.45	43.0%	8	10.73	-28.7%
GAS EURO-BOB OXY NWE BARGES	7H	118	366.32	-67.7%	73.73	60.3%	249	367.6	-32.2%
GAS EURO-BOB OXY NWE BARGES CRK	7K	272	609.68	-55.4%	176.36	54.3%	385	874.02	-55.9%
GASOIL 0.1CIF MED VS ICE	Z5	0	0	-	0	-	0	0.05	-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	0.05	110.0%
GASOIL 0.1 ROTTERDAM BARG	VL	2	10.26	-82.9%	0	-	1	7.74	-90.5%
GASOIL 10PPM VS ICE SWAP	TP	0	0	-	0	-	0	0.06	225.1%
GASOIL CALENDAR SWAP	GX	0	0	-	1.77	-83.1%	1	0.29	150.0%
GASOIL CRACK SPREAD CALEN	GZ	28	97.37	-71.7%	5.45	406.0%	30	198.95	-84.9%
GASOIL MINI CALENDAR SWAP	QA	21	14.21	45.7%	27.82	-25.6%	14	9.11	59.1%
GERMAN POWER BASELOAD CAL MONTH F	DEB	118	5.84	1914.7%	86.95	35.4%	115	16.5	599.6%
GROUP THREE ULSD (PLATTS)	A7	0	0	-	0	-	0	1.09	-100.0%
GROUP THREE UNLEAD GAS (P	A9	0	0	-	13.64	-100.0%	2	2.26	-29.4%
GRP THREE ULSD(PLT)VS HEA	A6	217	221.05	-2.0%	148.64	45.8%	173	169.78	2.1%

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<b>Energy Futures</b>									
GRP THREE UNL GS (PLT) VS	A8	105	123.42	-15.1%	62.27	68.2%	124	96.39	28.5%
GULF COAST 3% FUEL OIL BA	VZ	111	14.26	681.4%	30.14	269.8%	42	62.43	-33.3%
GULF COAST JET FUEL CLNDR	GE	0	2.05	-100.0%	0	-	1	6.36	-77.7%
GULF COAST JET VS NYM 2 H	ME	943	2,152.11	-56.2%	849.41	11.0%	1,010	1,821.8	-44.5%
GULF COAST NO.6 FUEL OIL	MF	1,135	1,702.21	-33.3%	957.95	18.4%	1,113	2,684.68	-58.5%
GULF COAST NO.6 FUEL OIL	MG	4	48.47	-92.8%	3.64	-3.8%	9	84.01	-89.6%
GULF COAST ULSD CALENDAR	LY	29	45.42	-35.5%	9.09	222.3%	19	15.36	25.6%
GULF COAST ULSD CRACK SPR	GY	18	0	-	0	-	2	6.89	-72.2%
HEATING OIL BALMO CLNDR S	1G	0	1.05	-100.0%	0	-	3	1.29	132.5%
HEATING OIL CRCK SPRD BAL	1H	0	0	-	0	-	0	0	-
HEATING OIL PHY	HOL	0	0	-	0	-	0	0	-
HENRY HUB BASIS SWAP	HB	159	417.68	-61.9%	0	-	83	82.07	1.2%
HENRY HUB FINANCIAL LAST	NBP	0	201.63	-100.0%	0	-	0	139.87	-100.0%
HENRY HUB FINANCIAL LAST	TTE	0	1.58	-100.0%	0	-	0	4.71	-100.0%
HENRY HUB INDEX SWAP FUTU	IN	159	417.68	-61.9%	0	-	83	82.07	1.2%
HENRY HUB SWAP	NN	5,357	5,804	-7.7%	1,608.73	233.0%	4,903	8,070.91	-39.2%
HOUSTON SHIP CHANNEL BASI	NH	0	0	-	0	-	4	0	-
ICE BRENT DUBAI SWAP	DB	414	401.42	3.2%	92.27	348.8%	263	481.8	-45.4%
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	18	13.95	25.5%	9.32	87.8%	18	6.65	165.2%
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	0	-	1.23	-100.0%	1	8.98	-88.4%
JAPAN C&F NAPHTHA SWAP	JA	24	92.53	-74.5%	21.32	10.5%	51	97.06	-47.3%
JAPAN NAPHTHA BALMO SWAP	E6	0	1.47	-83.0%	1.77	-85.9%	2	2.8	-36.7%
JET AV FUEL (P) CAR FM ICE GAS SWAP	1V	0	0	-	0	-	0	0.03	-100.0%
JET CIF NWE VS ICE	JC	7	0.63	945.0%	1.36	384.0%	1	3.41	-63.9%
JET FUEL CRG CIF NEW VS I	6X	7	0	-	0	-	1	0	-
JET FUEL UP-DOWN BALMO CL	1M	155	280	-44.8%	126.14	22.5%	198	282.32	-30.0%
JKM LNG Futures	JKM	43	41.89	2.0%	69.77	-38.7%	71	53.27	33.5%
LA CARB DIESEL (OPIS) SWA	KL	0	5.26	-100.0%	2.27	-100.0%	2	14.52	-86.3%
LA CARBOB GASOLINE(OPIS)S	JL	1	5.26	-76.3%	7.95	-84.3%	15	22.61	-32.4%



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<b>Energy Futures</b>									
LA JET (OPIS) SWAP	JS	38	50	-25.0%	53.59	-30.0%	60	98.9	-39.6%
LLS (ARGUS) CALENDAR SWAP	XA	0	0	-	0	-	0	3.23	-100.0%
LLS (ARGUS) VS WTI SWAP	WJ	29	250	-88.5%	2.73	954.2%	91	273.73	-66.6%
LOS ANGELES CARB GASOLINE	MH	0	0	-	0	-	0	0	-
MARS (ARGUS) VS WTI SWAP	YX	40	41.32	-3.2%	36.82	8.6%	77	106.3	-27.8%
MARS (ARGUS) VS WTI TRD M	YV	616	523.42	17.8%	789.55	-21.9%	858	1,018.57	-15.8%
MARS BLEND CRUDE OIL	MB	0	0	-	0	-	0	12.34	-100.0%
MCCLOSKEY ARA ARGS COAL	MTF	1,657	1,295.37	28.0%	1,150.14	44.1%	1,431	1,157.87	23.6%
MCCLOSKEY RCH BAY COAL	MFF	96	118.05	-18.6%	62.5	53.7%	109	152.8	-28.4%
MGF FUT	MGF	0	0	-	0	-	0	1.16	-100.0%
MGN1 SWAP FUT	MGN	0	3.16	-100.0%	5.91	-100.0%	3	3.37	-22.6%
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	5	12.53	-60.5%	24.18	-79.5%	11	16.96	-38.1%
MINI RBOB V. EBOBARG NWE BRGS BALMO	MXR	16	18.32	-12.6%	0	-	20	17.99	12.9%
MINI RBOB V. EBOB(ARGUS) NWE BRGS	MXB	41	104.32	-60.3%	29.05	42.7%	98	82.71	18.0%
MJC FUT	MJC	0	0	-	0	-	1	7.05	-88.7%
MNC FUT	MNC	73	220.63	-66.8%	129.09	-43.3%	175	186.81	-6.2%
MONT BELVIEU ETHANE 5 DECIMAL	C0	1,078	1,207.58	-10.7%	873.55	23.5%	777	787.25	-1.3%
MONT BELVIEU ETHANE OPIS BALMO	8C	4	10.26	-58.6%	2.73	55.8%	7	7.9	-8.1%
MONT BELVIEU LDH PROPANE 5 DECIMAL	B0	6,925	5,945.37	16.5%	7,157.32	-3.3%	6,960	5,728.72	21.5%
MONT BELVIEU LDH PROPANE OPIS BALM	8O	103	102	0.7%	124.82	-17.7%	143	125.27	14.1%
MONT BELVIEU NATURAL GASOLINE 5 DEC	7Q	544	471.32	15.5%	281.09	93.6%	393	387.7	1.4%
MONT BELVIEU NATURAL GASOLINE BALM	R0	30	6.58	352.2%	18.41	61.6%	30	17.82	70.8%
MONT BELVIEU NORMAL BUTANE 5 DECIM	D0	2,906	1,930.84	50.5%	2,372.05	22.5%	2,257	1,644.34	37.3%
MONT BELVIEU NORMAL BUTANE BALMO	8J	46	48.47	-5.4%	69.68	-34.2%	62	50.65	21.8%
NAT GAS BASIS SWAP	TZ6	0	0	-	0	-	0	0	-
NATURAL GAS	XIC	0	0	-	0	-	0	0	-
NATURAL GAS PEN SWP	NP	2,456	1,309	87.6%	1,084.82	126.4%	1,466	1,621.35	-9.6%
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	1,334.47	-100.0%	2,501.82	-100.0%	381	557.85	-31.7%
NEPOOL INTR HUB 5MW D AH	U6	0	349.47	-100.0%	0	-	0	58.6	-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	-



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<b>Energy Futures</b>									
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	-
NEW YORK ETHANOL SWAP	EZ	58	44.74	28.8%	12.36	365.9%	37	61.26	-40.3%
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	26	77.89	-66.6%	0	-	9	10	-6.4%
NGPL TEX/OK	PD	6	120	-95.0%	0	-	14	133.6	-89.3%
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	8	22.37	-66.5%	0	-	4	15.87	-72.3%
NORTHEN NATURAL GAS DEMAR	PE	0	0	-	0	-	0	0	-
NORTHEN NATURAL GAS VENTU	PF	0	0	-	0	-	0	0.53	-100.0%
NORTHWEST ROCKIES BASIS S	NR	0	0	-	0	-	17	0	-
N ROCKIES PIPE SWAP	XR	0	0	-	0	-	0	0.31	-100.0%
NY1% VS GC SPREAD SWAP	VR	23	15.79	42.5%	32	-29.7%	23	70.39	-67.5%
NY 3.0% FUEL OIL (PLATTS	H1	0	7.63	-100.0%	0	-	4	9.55	-56.8%
NY HARBOR 1% FUEL OIL BAL	VK	0	0	-	0	-	0	0.27	-50.0%
NY HARBOR HEAT OIL SWP	MP	79	55.89	42.1%	76.59	3.7%	100	90.91	9.7%
NY HARBOR LOW SULPUR GAS 1000MBBL	NLS	0	0	-	0	-	2	15.13	-86.3%
NY HARBOR RESIDUAL FUEL 1	MM	8	51	-84.8%	32.41	-76.1%	34	53.9	-37.3%
NY HARBOR RESIDUAL FUEL C	ML	0	0	-	0	-	0	0	-
NYH NO 2 CRACK SPREAD CAL	HK	75	16.58	352.4%	17.73	323.1%	22	41.02	-46.5%
NYISO CAPACITY	LHV	19	0	-	0	-	3	1.31	152.0%
NYISO CAPACITY	NNC	0	6.32	-100.0%	0	-	0	3.91	-100.0%
NYISO CAPACITY	NRS	0	0	-	0	-	0	1.46	-78.2%
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	0	0	-	2,501.82	-100.0%	539	3,196.03	-83.1%
NYISO ZONE G 5MW D AH PK	T3	0	79.47	-100.0%	0	-	43	105.29	-58.7%
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	-

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<b>Energy Futures</b>									
NYMEX ALUMINUM FUTURES	AN	0	0	-	0	-	0	0	-
NYMEX ULSD VS NYMEX HO	UY	0	0	-	0	-	8	0	-
NY ULSD (ARGUS) VS HEATING OIL	7Y	0	0	-	4.55	-100.0%	8	1.13	648.8%
ONEOK OKLAHOMA NG BASIS	8X	93	65.26	42.5%	0	-	10	14.38	-31.2%
ONTARIO POWER SWAPS	OFD	0	0	-	0	-	0	0	-
ONTARIO POWER SWAPS	OPD	0	0	-	1.14	-100.0%	0	0.05	150.0%
ONTARIO POWER SWAPS	OPM	0	0	-	0	-	1	0	-
PANHANDLE BASIS SWAP FUTU	PH	0	0	-	0	-	0	1.46	-100.0%
PANHANDLE PIPE SWAP	XH	0	0	-	0	-	0	0	-
PERMIAN BASIS SWAP	PM	0	0	-	0	-	0	0	-
PETROCHEMICALS	22	10	12.63	-22.4%	7.32	33.9%	8	8.22	-1.5%
PETROCHEMICALS	32	4	6.32	-43.0%	3.05	18.2%	5	7.84	-36.9%
PETROCHEMICALS	3NA	0	0	-	0	-	0	0	-
PETROCHEMICALS	51	0	0	-	0	-	0	0.12	234.9%
PETROCHEMICALS	8I	47	31.74	46.8%	38.41	21.3%	31	33.44	-7.5%
PETROCHEMICALS	91	36	25.53	40.2%	24.14	48.3%	24	19.53	21.3%
PETROCHEMICALS	MAA	0	0	-	0	-	1	0.27	459.9%
PETROCHEMICALS	MAE	27	13.68	97.3%	28.27	-4.5%	19	9.32	99.8%
PETROCHEMICALS	MAS	13	20.79	-39.4%	13.45	-6.4%	11	8.2	32.0%
PETROCHEMICALS	MBE	15	49.47	-70.7%	14.55	-0.3%	16	40.59	-60.6%
PETROCHEMICALS	MNB	17	68.32	-74.8%	5.36	220.7%	32	93.71	-65.6%
PETROCHEMICALS	MPS	15	6.32	144.6%	7.95	94.2%	11	5.37	104.7%
PETRO CRCKS & SPRDS ASIA	JNC	0	0	-	0	-	0	0	-
PETRO CRCKS & SPRDS ASIA	STI	0	0	-	0	-	0	0	-
PETRO CRCKS & SPRDS ASIA	STR	0	0	-	0	-	0	0.53	-100.0%
PETRO CRCKS & SPRDS ASIA	STS	3	0	-	2.27	10.0%	2	2.71	-34.8%
PETRO CRCKS & SPRDS NA	CRB	323	292.63	10.4%	398.23	-18.9%	329	93.43	252.3%
PETRO CRCKS & SPRDS NA	EXR	56	155.63	-64.2%	57.32	-2.9%	120	137.38	-12.7%
PETRO CRCKS & SPRDS NA	FOC	15	55.26	-72.9%	6.82	120.0%	20	35.24	-44.6%
PETRO CRCKS & SPRDS NA	GBB	25	51.32	-51.3%	11.36	120.0%	30	60.16	-49.4%
PETRO CRCKS & SPRDS NA	GCC	0	0	-	0	-	0	9.26	-100.0%
PETRO CRCKS & SPRDS NA	GCI	33	28.42	15.9%	48.36	-31.9%	61	69.61	-12.8%
PETRO CRCKS & SPRDS NA	GCM	15	0	-	0	-	2	0.87	84.0%
PETRO CRCKS & SPRDS NA	GCU	65	247.63	-73.7%	132.68	-50.9%	149	603.03	-75.3%
PETRO CRCKS & SPRDS NA	GFC	0	0	-	0	-	1	0.21	150.0%
PETRO CRCKS & SPRDS NA	HOB	110	29.68	269.7%	264.55	-58.5%	89	45.73	93.8%

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<b>Energy Futures</b>									
PETRO CRCKS & SPRDS NA	MFR	0	0	-	0	-	0	0.02	-100.0%
PETRO CRCKS & SPRDS NA	NFG	0	0	-	0	-	0	0.27	-100.0%
PETRO CRCKS & SPRDS NA	NYF	0	0	-	0	-	0	0	-
PETRO CRCKS & SPRDS NA	RBB	364	289.32	25.8%	103.55	251.5%	357	259.36	37.6%
PETRO CRCKS & SPRDS NA	RVG	506	565.79	-10.5%	390	29.8%	643	765.12	-16.0%
PETRO CRCKS & SPRDS NA	SF3	9	0	-	8.64	-1.0%	6	1.71	228.7%
PETRO CRK&SPRD EURO	1NB	26	53.79	-52.6%	6.36	300.7%	54	89.54	-40.1%
PETRO CRK&SPRD EURO	1ND	0	0	-	0	-	0	0.53	-100.0%
PETRO CRK&SPRD EURO	43	0	20.53	-100.0%	0	-	1	17.92	-95.4%
PETRO CRK&SPRD EURO	BFR	0	0	-	0	-	0	0	-
PETRO CRK&SPRD EURO	BOB	52	33.32	55.2%	42.5	21.6%	27	81.73	-67.0%
PETRO CRK&SPRD EURO	EOB	0	1.32	-100.0%	0	-	0	1.13	-89.2%
PETRO CRK&SPRD EURO	EPN	17	40.42	-58.3%	32.73	-48.5%	28	43.13	-35.9%
PETRO CRK&SPRD EURO	EVC	99	49	102.9%	26.27	278.3%	30	98.95	-69.7%
PETRO CRK&SPRD EURO	FBT	0	0	-	0	-	0	0	-
PETRO CRK&SPRD EURO	FVB	0	0	-	0	-	0	0.16	-100.0%
PETRO CRK&SPRD EURO	GCB	0	0	-	4.55	-100.0%	3	3.62	-24.0%
PETRO CRK&SPRD EURO	GOC	0	0	-	0	-	0	0.45	-100.0%
PETRO CRK&SPRD EURO	MGB	0	1.58	-100.0%	0	-	1	0.59	9.1%
PETRO CRK&SPRD EURO	MUD	0	0	-	1.36	-100.0%	1	0.87	-32.5%
PETRO CRK&SPRD EURO	NBB	0	0.53	-100.0%	0	-	0	0.86	-64.2%
PETRO CRK&SPRD EURO	NOB	5	99.68	-94.7%	5.23	0.4%	18	81.59	-77.8%
PETRO CRK&SPRD EURO	SFB	0	0	-	0	-	0	0.66	-55.2%
PETROLEUM PRODUCTS	1NM	2	0	-	2.95	-49.2%	4	0	-
PETROLEUM PRODUCTS	EWG	26	345.84	-92.4%	26.14	0.4%	109	226.19	-51.7%
PETROLEUM PRODUCTS	JCC	35	0	-	0	-	4	0	-
PETROLEUM PRODUCTS	MME	0	0	-	0	-	0	0.16	-100.0%
PETROLEUM PRODUCTS	MPE	0	0	-	0	-	0	0	-
PETROLEUM PRODUCTS	NCC	1	0	-	0	-	0	0	-
PETROLEUM PRODUCTS	R5F	0	0	-	0	-	0	0	-
PETROLEUM PRODUCTS	S53	1	0	-	1.23	-2.2%	0	0	-
PETROLEUM PRODUCTS	UP5	3	0	-	0	-	0	0	-
PETROLEUM PRODUCTS	VU	1	0	-	6.45	-89.9%	2	5.55	-62.6%
PETROLEUM PRODUCTS ASIA	E6M	0	1.05	-100.0%	2.73	-100.0%	1	3.48	-80.4%
PETROLEUM PRODUCTS ASIA	MJN	37	92.11	-60.1%	40.91	-10.2%	71	91.4	-22.1%
PETROLEUM PRODUCTS ASIA	MSB	0	0	-	0.91	-100.0%	0	0	-

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Commodity		ADV SEP 2019	ADV SEP 2018	% CHG	ADV AUG 2019	% CHG	ADV Y.T.D 2019	ADV Y.T.D 2018	% CHG
<b>Energy Futures</b>									
PETRO OUTRIGHT EURO	0B	3	0	-	3.32	-24.7%	2	0.45	246.4%
PETRO OUTRIGHT EURO	0C	0	1.05	-100.0%	1.36	-100.0%	0	0.12	95.7%
PETRO OUTRIGHT EURO	0D	76	58.84	28.3%	53.64	40.8%	67	63.24	6.3%
PETRO OUTRIGHT EURO	0E	3	2.11	18.7%	0	-	1	1.27	-47.1%
PETRO OUTRIGHT EURO	0F	13	18.21	-30.3%	20.36	-37.6%	18	26.12	-31.1%
PETRO OUTRIGHT EURO	1T	0	0	-	0	-	0	0.21	-79.5%
PETRO OUTRIGHT EURO	33	0	0	-	0	-	0	0	-
PETRO OUTRIGHT EURO	5L	1	0	-	0	-	1	1.19	1.8%
PETRO OUTRIGHT EURO	63	3	0	-	0	-	0	0.91	-55.2%
PETRO OUTRIGHT EURO	7I	4	16.68	-77.5%	0	-	4	4.78	-20.0%
PETRO OUTRIGHT EURO	7R	2	12.58	-84.1%	3.27	-38.9%	7	14.76	-55.4%
PETRO OUTRIGHT EURO	88	0	0	-	0	-	0	0.56	-76.2%
PETRO OUTRIGHT EURO	CBB	0	0	-	0.68	-100.0%	0	0.29	-72.7%
PETRO OUTRIGHT EURO	CGB	0	0	-	0	-	0	0	-
PETRO OUTRIGHT EURO	CPB	8	6.68	14.4%	3.18	140.4%	11	16.68	-36.2%
PETRO OUTRIGHT EURO	EFF	0	0	-	2.55	-100.0%	1	0.62	48.3%
PETRO OUTRIGHT EURO	EFM	0	0	-	0	-	0	0	-
PETRO OUTRIGHT EURO	ENS	1	2.11	-59.6%	0.68	24.7%	1	0.77	12.4%
PETRO OUTRIGHT EURO	EWN	4	33.58	-87.6%	5.36	-22.6%	21	33.24	-35.6%
PETRO OUTRIGHT EURO	FLB	0	0.26	-100.0%	0	-	0	0.03	19.9%
PETRO OUTRIGHT EURO	GES	0	0	-	0	-	0	0.03	-100.0%
PETRO OUTRIGHT EURO	H5G	7	0	-	0	-	1	0	-
PETRO OUTRIGHT EURO	M1B	23	0	-	0	-	2	0	-
PETRO OUTRIGHT EURO	M35	1	0	-	0	-	0	0	-
PETRO OUTRIGHT EURO	MBB	0	5.26	-100.0%	0	-	0	1.44	-100.0%
PETRO OUTRIGHT EURO	MBN	11	21.53	-48.9%	24.55	-55.2%	16	46.74	-65.2%
PETRO OUTRIGHT EURO	MEF	23	21.47	6.2%	12.95	76.0%	17	2.25	642.1%
PETRO OUTRIGHT EURO	R53	2	0	-	0	-	0	0	-
PETRO OUTRIGHT EURO	R5M	11	0	-	14.59	-22.2%	6	0	-
PETRO OUTRIGHT EURO	R5O	47	0	-	5.27	784.7%	6	0	-
PETRO OUTRIGHT EURO	S5F	1	0	-	1.05	-13.9%	0	0	-
PETRO OUTRIGHT EURO	S5M	10	0	-	17.27	-41.8%	4	0	-
PETRO OUTRIGHT EURO	S5O	4	0	-	0.27	1330.1%	0	0	-
PETRO OUTRIGHT EURO	SMU	5	3.95	26.7%	0	-	4	2.94	31.1%
PETRO OUTRIGHT EURO	T0	0	0	-	0	-	0	0.05	-100.0%
PETRO OUTRIGHT EURO	T2B	0	0	-	0	-	0	0	-

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<b>Energy Futures</b>									
PETRO OUTRIGHT EURO	TMB	0	0	-	2.27	-100.0%	0	0	-
PETRO OUTRIGHT EURO	V0	0	0	-	0	-	0	5.21	-100.0%
PETRO OUTRIGHT EURO	X0	0	6.11	-100.0%	0	-	0	0.62	-100.0%
PETRO OUTRIGHT NA	FCB	0	8	-100.0%	0	-	2	3.96	-42.7%
PETRO OUTRIGHT NA	FOM	0	0.42	-100.0%	0	-	0	0.04	-100.0%
PETRO OUTRIGHT NA	JE	9	0	-	0	-	1	0.37	247.8%
PETRO OUTRIGHT NA	JET	74	312.37	-76.4%	71.59	3.0%	112	144.44	-22.2%
PETRO OUTRIGHT NA	JTB	51	36.84	39.1%	21.59	137.4%	36	24.26	48.6%
PETRO OUTRIGHT NA	MBL	10	0	-	0	-	1	0.21	409.9%
PETRO OUTRIGHT NA	MEN	6	21.58	-70.3%	0.45	1308.1%	8	21.16	-63.4%
PETRO OUTRIGHT NA	MEO	50	133.63	-62.4%	50.86	-1.2%	112	173.98	-35.6%
PETRO OUTRIGHT NA	MFD	0	0	-	0	-	2	0.53	195.0%
PETRO OUTRIGHT NA	MMF	2	2.95	-32.1%	3.77	-47.0%	4	0.69	511.5%
PETRO OUTRIGHT NA	XER	0	0	-	0	-	0	1.6	-100.0%
PJM AD HUB 5MW REAL TIME	V3	0	703.42	-100.0%	0	-	623	220.2	183.1%
PJM AD HUB 5MW REAL TIME	Z9	0	22.11	-100.0%	0	-	14	69.54	-80.4%
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	0	0	-	116.36	-100.0%	20	27.13	-24.6%
PJM NI HUB 5MW REAL TIME	B6	0	311.84	-100.0%	2,120	-100.0%	372	31.52	1081.4%
PJM NILL DA OFF-PEAK	L3	0	0	-	0	-	0	0	-
PJM NILL DA PEAK	N3	0	0	-	0	-	0	0.12	-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	124.47	-100.0%
PJM PSEG DA PEAK	L6	0	0	-	0	-	0	6.78	-100.0%
PJM WESTH DA OFF-PEAK	E4	0	0	-	0	-	0	541.54	-100.0%
PJM WESTHDA PEAK	J4	0	0	-	0	-	0	29.39	-100.0%
PJM WESTH RT OFF-PEAK	N9	0	837.89	-100.0%	0	-	251	1,648.51	-84.8%

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<b>Energy Futures</b>									
PJM WESTH RT PEAK	L1	109	561.37	-80.5%	0	-	262	301.26	-13.0%
PLASTICS	PGP	35	7.37	368.2%	24.55	40.6%	34	16.78	103.2%
PREMIUM UNLD 10P FOB MED	3G	2	14.74	-89.1%	1.45	10.0%	4	12.3	-63.8%
PREMIUM UNLEAD 10PPM FOB	8G	4	1.84	100.9%	1.45	154.4%	1	2.33	-68.3%
PREM UNL GAS 10PPM RDAM FOB BALMO	7N	0	0	-	0	-	0	0.43	-75.0%
PREM UNL GAS 10PPM RDAM FOB SWAP	7L	0	7.37	-96.6%	0	-	0	1.73	-89.3%
PROPANE NON-LDH MB (OPIS) BALMO SWP	1S	37	32.68	13.5%	44.77	-17.1%	68	26.7	155.1%
PROPANE NON-LDH MT. BEL (OPIS) SWP	1R	1,002	803.79	24.6%	503.68	98.9%	882	579.9	52.2%
RBOB CALENDAR SWAP	RL	256	277.58	-7.6%	168.5	52.2%	282	273.18	3.2%
RBOB CRACK SPREAD	RM	63	13.42	371.3%	6.82	827.7%	54	50.36	7.1%
RBOB CRACK SPREAD BALMO S	1E	0	0	-	0	-	0	0	-
RBOB GASOLINE BALMO CLNDR	1D	36	65.89	-45.1%	38.73	-6.5%	46	54.53	-15.9%
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	0	-	0	-	0	10.51	-96.2%
SAN JUAN BASIS SWAP	NJ	0	0	-	0	-	0	0.31	-100.0%
SAN JUAN PIPE SWAP	XX	0	0	-	0	-	0	1.91	-100.0%
SINGAPORE 180CST BALMO	BS	5	0.26	1723.7%	0.91	428.0%	1	2.36	-52.8%
SINGAPORE 380CST BALMO	BT	4	6.95	-40.3%	5.59	-25.8%	4	10.32	-58.8%
SINGAPORE 380CST FUEL OIL	SE	105	307.42	-65.7%	101.55	3.8%	140	415.76	-66.4%
SINGAPORE FUEL 180CST CAL	UA	2	18.79	-91.5%	8.41	-81.0%	12	40.18	-70.0%
SINGAPORE FUEL OIL SPREAD	SD	5	8.95	-44.1%	2.73	83.3%	3	31.35	-89.9%
SINGAPORE GASOIL	MAF	122	30.26	304.6%	121.55	0.7%	95	3.1	2955.2%
SINGAPORE GASOIL	MTB	3	0.79	311.7%	2.82	15.3%	2	2.61	-7.1%
SINGAPORE GASOIL	MTS	138	216.74	-36.4%	221.73	-37.8%	181	224.69	-19.4%
SINGAPORE GASOIL	STZ	0	0	-	0	-	0	22.87	-100.0%
SINGAPORE GASOIL CALENDAR	GDH	0	0	-	0	-	0	0.27	-100.0%
SINGAPORE GASOIL CALENDAR	GDL	0	0	-	0	-	0	1.33	-100.0%
SINGAPORE GASOIL CALENDAR	GHS	0	0	-	0	-	1	0	-
SINGAPORE GASOIL CALENDAR	MGO	0	0	-	0	-	0	1.06	-100.0%
SINGAPORE GASOIL CALENDAR	MSG	4	6.47	-34.3%	10.23	-58.4%	8	23.26	-64.9%
SINGAPORE GASOIL CALENDAR	SGG	0	0	-	0	-	0	1.73	-100.0%
SINGAPORE GASOIL SWAP	SG	21	486.84	-95.6%	37.23	-42.6%	47	239.06	-80.5%
SINGAPORE GASOIL VS ICE	GA	0	569.68	-100.0%	0	-	24	627.87	-96.2%
SINGAPORE JET KERO BALMO	BX	0	0	-	0	-	0	1.14	-100.0%
SINGAPORE JET KERO GASOIL	RK	0	140.79	-100.0%	0	-	1	180.03	-99.7%

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<b>Energy Futures</b>									
SINGAPORE JET KEROSENE SW	KS	21	158.68	-86.6%	12.5	70.0%	27	64.23	-58.7%
SINGAPORE JET KERO VS. GASOIL BALMO	Z0	0	0	-	0	-	0	2.13	-100.0%
SINGAPORE MOGAS 92 UNLEADED BALMO	1P	1	19.47	-93.6%	0	-	8	28.44	-71.9%
SINGAPORE MOGAS 92 UNLEADED SWP	1N	119	629.37	-81.1%	72.36	64.8%	456	654.98	-30.4%
SINGAPORE NAPHTHA SWAP	SP	0	0	-	0	-	0	1.06	-100.0%
SING FUEL	MSD	0	0	-	0	-	0	0.51	-100.0%
SOUTH STAR TEX OKLHM KNS	8Z	0	0	-	0	-	0	0	-
Sumas Basis Swap	NK	0	0	-	0	-	0	0.48	-100.0%
TC2 ROTTERDAM TO USAC 37K	TM	9	8.89	1.2%	4.14	117.6%	12	3.81	212.6%
TC5 RAS TANURA TO YOKOHAM	TH	42	5.53	660.0%	0.91	4520.0%	18	1.84	868.4%
TCO BASIS SWAP	TC	0	0	-	0	-	0	0	-
TD3 MEG TO JAPAN 250K MT	TL	417	39.21	962.7%	134.77	209.2%	246	50	392.3%
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	0.32	-66.7%
UK NBP NAT GAS CAL MTH FUT	UKG	61	281.16	-78.5%	53.18	13.8%	30	244.97	-87.7%
ULSD 10PPM CIF MED VS ICE	Z7	0	0	-	0	-	0	0.07	-100.0%
ULSD UP-DOWN BALMO SWP	1L	253	475.89	-46.9%	116.14	117.6%	241	262.79	-8.5%
UP DOWN GC ULSD VS NMX HO	LT	2,305	1,863.16	23.7%	1,960.23	17.6%	1,548	1,539.09	0.6%
WAHA BASIS	NW	0	0	-	0	-	3	17.03	-79.7%
WESTERN RAIL DELIVERY PRB	QP	0	0	-	0	-	0	0.13	-100.0%
WTI-BRENT BULLET SWAP	BY	0	0	-	1.59	-100.0%	8	35.37	-78.2%
WTI-BRENT CALENDAR SWAP	BK	1,719	2,450	-29.8%	1,462.73	17.5%	1,717	1,581.68	8.6%
WTI CALENDAR	CS	1,924	1,676.11	14.8%	1,024	87.8%	1,907	1,573.88	21.2%
WTS (ARGUS) VS WTI SWAP	FF	81	578.95	-86.0%	101.59	-20.0%	205	422.88	-51.5%
WTS (ARGUS) VS WTI TRD MT	FH	2	0	-	70.91	-97.0%	35	28.64	21.4%

### Energy Options

BRENT 1 MONTH CAL	AA	0	0	-	0	-	0	15.96	-100.0%
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<b>Energy Options</b>									
BRENT CALENDAR SWAP	BA	0	7.32	-100.0%	35.45	-100.0%	20	31.14	-34.9%
BRENT CRUDE OIL 12 M CSO	9Y	0	0	-	0	-	0	10.64	-100.0%
BRENT CRUDE OIL 1 M CSO	9C	0	326.32	-100.0%	0	-	187	2,085.31	-91.0%
BRENT CRUDE OIL 6 M CSO	9L	0	0	-	0	-	0	5.32	-100.0%
BRENT OIL LAST DAY	BE	914	285.26	220.5%	745.91	22.6%	1,766	1,416.66	24.6%
BRENT OIL LAST DAY	BZO	4,530	13,044.79	-65.3%	3,795.55	19.4%	4,674	6,871.79	-32.0%
BRENT OIL LAST DAY	OS	0	0	-	0	-	0	6.33	-100.0%
COAL API2 INDEX	CLA	0	38.95	-99.4%	0	-	1	32.47	-96.5%
COAL API2 INDEX	CQA	4	0	-	4.55	-17.5%	4	18.38	-75.8%
COAL API4 INDEX	RLA	0	0	-	0	-	0	0.13	-100.0%
COAL API4 INDEX	RQA	0	0	-	0	-	0	0.32	-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	-
CRUDE OIL 1MO	WA	11,314	4,557.63	148.2%	10,053.41	12.5%	11,169	9,599.12	16.4%
CRUDE OIL APO	AO	1,648	2,270.84	-27.4%	1,481.27	11.3%	2,185	2,205.58	-0.9%
CRUDE OIL CALNDR STRIP	6F	0	0	-	0	-	1	0.9	17.6%
CRUDE OIL OUTRIGHTS	AH	0	0	-	0	-	0	0	-
CRUDE OIL OUTRIGHTS	WCI	0	0	-	0	-	5	0	-
CRUDE OIL PHY	CD	0	15.79	-100.0%	6.82	-100.0%	7	102.93	-93.3%
CRUDE OIL PHY	LC	437	437.21	0.0%	383.95	13.9%	488	465.14	5.0%
CRUDE OIL PHY	LO	155,516	168,853.32	-7.9%	133,763.95	16.3%	132,266	166,915.71	-20.8%
CRUDE OIL PHY	LO1	703	702.79	0.0%	398.73	76.2%	720	660.84	8.9%
CRUDE OIL PHY	LO2	467	763.58	-38.9%	477.09	-2.1%	676	723.54	-6.5%
CRUDE OIL PHY	LO3	1,079	758.37	42.3%	187.86	474.5%	498	494.62	0.6%
CRUDE OIL PHY	LO4	1,056	935.05	12.9%	464.64	127.3%	776	727.6	6.6%
CRUDE OIL PHY	LO5	0	0	-	447.73	-100.0%	256	264.39	-3.2%
ETHANOL	CE1	0	0	-	0	-	0	1.46	-100.0%
ETHANOL	CE3	0	0	-	0	-	0	0.8	-100.0%
ETHANOL SWAP	CVR	470	85	452.9%	1,024.45	-54.1%	534	316.1	68.8%
ETHANOL SWAP	GVR	0	23.68	-100.0%	0	-	4	16.59	-75.0%
FREIGHT MARKETS	TDT	90	0	-	0	-	10	0	-
HEATING OIL PHY	LB	9	0	-	14.77	-40.8%	10	3.99	153.6%
HEATING OIL PHY	OH	1,429	1,312.95	8.8%	1,158.77	23.3%	1,372	1,406.64	-2.5%
HENRY HUB FINANCIAL LAST	E7	449	424.68	5.8%	121.5	269.7%	307	215.07	42.7%
HO 1 MONTH CLNDR OPTIONS	FA	0	0	-	0	-	11	0	-

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<b>Energy Options</b>									
LLS CRUDE OIL	WJO	0	0	-	0	-	0	0.53	-100.0%
LLS CRUDE OIL	YVO	0	0	-	0	-	0	0	-
MCCLOSKEY ARA ARGS COAL	MTO	0	1.84	-100.0%	0	-	1	1.54	-55.2%
MCCLOSKEY RCH BAY COAL	MFO	0	5.26	-100.0%	2.27	-100.0%	5	10.66	-54.1%
NATURAL GAS 1 M CSO FIN	G4	9,159	1,689.11	442.2%	6,552.27	39.8%	3,280	1,693.72	93.7%
NATURAL GAS 2 M CSO FIN	G2	75	10.53	612.5%	22.73	230.0%	30	7.45	301.8%
NATURAL GAS 3 M CSO FIN	G3	2,314	26.32	8692.2%	2,697.73	-14.2%	1,195	234.29	410.0%
NATURAL GAS 5 M CSO FIN	G5	63	0	-	22.73	175.0%	15	13.56	11.8%
NATURAL GAS 6 M CSO FIN	G6	323	402.63	-19.9%	252.27	27.8%	253	418.09	-39.5%
NATURAL GAS OPTION ON CALENDAR STR	6J	152	56	171.4%	163.64	-7.1%	117	124.32	-5.9%
NATURAL GAS PHY	KD	323	722.21	-55.3%	335.05	-3.6%	163	966.14	-83.1%
NATURAL GAS PHY	LN	100,908	102,788.37	-1.8%	62,897.23	60.4%	71,434	83,007.42	-13.9%
NATURAL GAS PHY	ON	6,301	10,043.42	-37.3%	4,812.91	30.9%	5,874	8,334.59	-29.5%
NATURAL GAS WINTER STRIP	6I	0	47.37	-100.0%	9.09	-100.0%	8	11.17	-28.6%
N ROCKIES PIPE SWAP	ZR	27	12.42	119.8%	24.82	10.0%	22	10.72	106.8%
NY HARBOR HEAT OIL SWP	AT	100	129.26	-22.6%	68.32	46.4%	101	120.44	-16.1%
NYISO ZONE G 5MW PEAK OPTIONS	9U	0	0	-	0	-	0	0	-
PANHANDLE PIPE SWAP	PU	0	0	-	0	-	0	0	-
PETROCHEMICALS	4H	3	15.32	-83.7%	7.55	-66.9%	26	28.22	-9.0%
PETROCHEMICALS	4J	0	0	-	0	-	1	7.18	-85.2%
PETROCHEMICALS	4K	20	0	-	0	-	3	17.55	-83.0%
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	9	10.11	-10.9%	0	-	2	1.02	118.7%
PJM WES HUB PEAK CAL MTH	6OA	1	6.84	-85.4%	0	-	4	2.39	46.7%
PJM WES HUB PEAK CAL MTH	JOA	0	0	-	0	-	0	4.68	-100.0%
PJM WES HUB PEAK LMP 50MW	PMA	0	15.53	-100.0%	0	-	4	38.04	-88.3%
RBOB 1MO CAL SPD OPTIONS	ZA	0	0	-	0	-	1	3.72	-78.6%
RBOB CALENDAR SWAP	RA	6	0	-	0	-	3	5.13	-48.1%
RBOB CRACK	RX	0	0	-	0	-	0	0	-
RBOB PHY	OB	468	476.16	-1.8%	514.05	-9.0%	720	539.14	33.6%
RBOB PHY	RF	0	0	-	0	-	9	0.66	1199.2%
ROTTERDAM 3.5%FUEL OIL CL	Q6	0	0	-	0	-	0	0	-
SAN JUAN PIPE SWAP	PJ	0	12.42	-100.0%	49.64	-100.0%	16	11.27	40.2%
SHORT TERM	C15	0	0	-	0	-	0	0	-

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Commodity		ADV SEP 2019	ADV SEP 2018	% CHG	ADV AUG 2019	% CHG	ADV Y.T.D 2019	ADV Y.T.D 2018	% CHG
<b>Energy Options</b>									
SHORT TERM	U11	0	0	-	0	-	4	6.57	-43.4%
SHORT TERM	U12	23	6.05	271.7%	10.45	115.2%	8	5.05	55.8%
SHORT TERM	U13	0	0	-	0	-	1	2.13	-62.5%
SHORT TERM	U14	0	0	-	4.55	-100.0%	1	4.59	-82.6%
SHORT TERM	U15	0	0	-	4.55	-100.0%	7	4.24	60.0%
SHORT TERM	U22	0	0	-	0	-	0	6.49	-99.9%
SHORT TERM	U23	0	0	-	4.55	-100.0%	1	4.78	-87.0%
SHORT TERM	U24	0	0	-	0	-	1	4.68	-71.6%
SHORT TERM	U25	0	0	-	0	-	0	0.54	-100.0%
SHORT TERM	U26	5	5.26	-5.0%	0	-	1	2.13	-75.0%
SHORT TERM NATURAL GAS	U01	0	10.53	-100.0%	0	-	3	2.93	-4.5%
SHORT TERM NATURAL GAS	U02	0	0	-	7.95	-100.0%	1	7.7	-87.9%
SHORT TERM NATURAL GAS	U03	0	0	-	4.55	-100.0%	4	7.6	-50.7%
SHORT TERM NATURAL GAS	U04	0	0	-	0	-	3	8.51	-62.5%
SHORT TERM NATURAL GAS	U05	0	32.11	-100.0%	2.27	-100.0%	1	7.55	-82.4%
SHORT TERM NATURAL GAS	U06	5	32.89	-84.8%	0	-	3	7.98	-66.3%
SHORT TERM NATURAL GAS	U07	0	0	-	2.27	-100.0%	3	8.52	-59.4%
SHORT TERM NATURAL GAS	U08	0	0	-	84.09	-100.0%	13	7.32	77.9%
SHORT TERM NATURAL GAS	U09	15	0	-	2.27	560.0%	3	8.16	-60.9%
SHORT TERM NATURAL GAS	U10	25	5.26	375.0%	0	-	4	6.65	-40.0%
SHORT TERM NATURAL GAS	U16	0	0	-	2.27	-100.0%	1	3.72	-64.3%
SHORT TERM NATURAL GAS	U17	0	0	-	0	-	1	12.21	-93.5%
SHORT TERM NATURAL GAS	U18	0	5.26	-100.0%	0	-	1	7.83	-91.5%
SHORT TERM NATURAL GAS	U19	0	1.32	-100.0%	4.55	-100.0%	1	1.32	-59.7%
SHORT TERM NATURAL GAS	U20	0	28.95	-100.0%	0	-	2	7.58	-78.9%
SHORT TERM NATURAL GAS	U21	0	0	-	0	-	0	1.93	-86.2%
SHORT TERM NATURAL GAS	U27	0	0	-	0	-	0	2.26	-100.0%
SHORT TERM NATURAL GAS	U28	0	0	-	0	-	2	0.53	324.9%
SHORT TERM NATURAL GAS	U29	0	0	-	4.55	-100.0%	1	2.45	-78.3%
SHORT TERM NATURAL GAS	U30	15	0	-	4.55	230.0%	3	0.53	500.0%
SHORT TERM NATURAL GAS	U31	0	0	-	0	-	6	0.14	4345.0%
SINGAPORE GASOIL CALENDAR	M2	0	0	-	0	-	0	0	-
SINGAPORE JET FUEL CALEND	N2	0	0	-	0	-	0	0	-
WTI-BRENT BULLET SWAP	BV	3,345	1,876.53	78.3%	4,452.27	-24.9%	2,718	4,124.74	-34.1%
WTI CRUDE OIL 1 M CSO FI	7A	1,078	2,089.47	-48.4%	2,082.95	-48.3%	2,408	3,382.18	-28.8%

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	Commodity	ADV SEP 2019	ADV SEP 2018	% CHG	ADV AUG 2019	% CHG	ADV Y.T.D 2019	ADV Y.T.D 2018	% CHG
Ag Products Futures									
	CJ	0	0	-	0	-	0	0.03	60.2%
	TT	0	0.47	-36.7%	0.05	559.3%	0	0.07	177.1%
	YO	0	0	-	0	-	0	0.31	-82.8%
TOTAL FUTURES GROUP									
	Ag Products Futures	0	0.47	-36.7%	0.05	559.3%	0	0.4	-28.9%
	Energy Futures	2,472,287	2,197,820.63	12.5%	2,198,510.55	12.5%	2,182,894	2,227,611.45	-2.0%
	Metals Futures	716,045	545,691.26	31.2%	756,824.27	-5.4%	590,839	611,948.77	-3.4%
	TOTAL FUTURES	3,188,332	2,743,512.37	16.2%	2,955,334.86	7.9%	2,773,733.41	2,839,560.62	-2.3%
TOTAL OPTIONS GROUP									
	Energy Options	304,875	315,408.26	-3.3%	239,677.32	27.2%	246,437	297,890.69	-17.3%
	Metals Options	101,762	52,041.11	95.5%	128,239.27	-20.6%	82,964	57,548.9	44.2%
	TOTAL OPTIONS	406,637	367,449.37	10.7%	367,916.59	10.5%	329,401.7	355,439.59	-7.3%
TOTAL COMBINED									
	Metals	817,807	597,732.37	36.8%	885,063.55	-7.6%	673,803	669,497.67	0.6%
	Energy	2,777,162	2,513,228.9	10.5%	2,438,187.86	13.9%	2,429,331	2,525,502.13	-3.8%
	Ag Products	0	0.47	-36.7%	0.05	559.3%	0	0.4	-28.9%
	GRAND TOTAL	3,594,969	3,110,961.74	15.6%	3,323,251.46	8.2%	3,103,135.11	3,195,000.21	-2.9%