

NYMEX/COMEX Exchange ADV Report - Monthly

August 2019

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Commodity		ADV AUG 2019	ADV AUG 2018	% CHG	ADV JUL 2019	% CHG	ADV Y.T.D 2019	ADV Y.T.D 2018	% CHG
Metals Futures									
COMEX GOLD	GC	435,557	272,789.65	59.7%	431,379.27	1.0%	330,882	342,322.2	-3.3%
NYMEX HOT ROLLED STEEL	HR	232	749.35	-69.0%	623.41	-62.7%	776	497.31	56.1%
NYMEX PLATINUM	PL	22,546	17,943.91	25.6%	20,190.36	11.7%	22,184	21,469.95	3.3%
PALLADIUM	PA	6,059	7,656.87	-20.9%	3,620.55	67.4%	5,247	5,948.78	-11.8%
URANIUM	UX	0	8.26	-100.0%	13.64	-100.0%	56	12.75	338.3%
COMEX SILVER	SI	137,210	102,787.35	33.5%	94,862.41	44.6%	94,534	100,268.91	-5.7%
COMEX E-Mini GOLD	QO	2,042	337.48	505.0%	1,414.27	44.4%	859	354.78	142.1%
COMEX E-Mini SILVER	QI	343	52.61	552.4%	197.68	73.6%	202	57.85	249.1%
COMEX COPPER	HG	108,957	147,932.04	-26.3%	85,257.14	27.8%	101,554	140,720.14	-27.8%
COMEX MINY COPPER	QC	33	16.57	101.1%	31.95	4.3%	32	23.2	37.1%
ALUMINUM	A38	0	0	-	0	-	0	0	-
ALUMINUM	AEP	122	18.91	542.9%	93.86	29.5%	82	70.68	16.3%
ALUMINUM	ALA	1	15.65	-95.6%	0	-	2	31.51	-95.2%
ALUMINUM	ALI	142	0	-	15.91	790.9%	21	0	-
ALUMINUM	AUP	281	150.52	86.5%	320.64	-12.5%	285	442.46	-35.6%
ALUMINUM	CUP	0	0	-	0	-	0	1.21	-100.0%
ALUMINUM	EDP	78	16.35	377.1%	174.55	-55.3%	99	62.86	56.9%
ALUMINUM	MJP	57	46.09	24.3%	121.82	-53.0%	48	55.83	-13.2%
COPPER	HGS	8	21.74	-62.2%	5.77	42.5%	36	65.91	-45.3%
E-MICRO GOLD	MGC	40,446	7,136.61	466.7%	27,667.14	46.2%	17,662	6,336.33	178.7%
FERROUS PRODUCTS	BUS	21	86.09	-75.3%	30.36	-29.9%	52	77.98	-32.8%
Gold Kilo	GCK	0	0	-	0	-	0	0.8	-100.0%
IRON ORE 62 CHINA PLATTS FUTURES	PIO	0	0	-	0	-	0	0	-
IRON ORE 62 CHINA TSI FUTURES	TIO	142	224	-36.8%	174.32	-18.7%	272	192.44	41.5%
LNDN ZINC	ZNC	0	62.39	-100.0%	0	-	7	25.24	-71.0%
SILVER	SIL	2,548	410.22	521.1%	1,059.36	140.5%	1,041	358.71	190.2%
Metals Options									
COMEX COPPER	HX	2,573	1,250.22	105.8%	2,251.68	14.3%	2,857	1,187.17	140.7%
COMEX GOLD	OG	100,129	55,061.04	81.9%	70,296.77	42.4%	63,089	47,150.31	33.8%
COMEX SILVER	SO	15,507	8,589.61	80.5%	11,352.73	36.6%	8,283	7,489.52	10.6%
COPPER	H1E	8	0.7	1023.8%	1.09	616.7%	2	0.17	1037.7%
COPPER	H2E	8	2.3	257.0%	3.95	108.0%	3	0.63	450.9%
COPPER	H3E	2	3.91	-53.5%	0.45	300.0%	1	0.56	36.6%

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Metals Options									
COPPER	H4E	0	1.74	-73.9%	0.45	0.0%	1	0.92	-25.8%
COPPER	H5E	4	0.52	570.8%	0	-	1	0.07	713.2%
GOLD	OG1	1,764	408.74	331.6%	3,336.86	-47.1%	1,818	498.32	264.9%
GOLD	OG2	2,497	399.39	525.2%	2,208.55	13.1%	1,615	428.88	276.5%
GOLD	OG3	2,067	620.74	233.0%	1,921.32	7.6%	1,247	528.62	135.9%
GOLD	OG4	1,551	367.35	322.1%	781.82	98.3%	907	302.46	199.8%
GOLD	OG5	1,532	463.17	230.9%	0	-	371	154.01	141.1%
HOT ROLLED COIL STEEL CALL OPTION	HRO	0	0	-	13.64	-100.0%	5	0	-
IRON ORE 62 CHINA TSI CALL OPTION	ICT	5	0	-	0	-	40	1.18	3300.2%
IRON ORE 62 CHINA TSI PUT OPTION	ICT	0	0	-	0	-	21	7.57	182.9%
NYMEX PLATINUM	PO	147	173.22	-15.1%	52.23	181.6%	168	191.42	-12.0%
PALLADIUM	PAO	52	144.74	-64.4%	21.32	142.0%	59	145.27	-59.3%
SILVER	SO1	55	30.04	82.2%	110.36	-50.4%	70	17.96	291.5%
SILVER	SO2	81	27.7	192.0%	88.55	-8.7%	56	14.38	290.4%
SILVER	SO3	133	53.65	147.3%	39.09	239.4%	61	26.67	127.9%
SILVER	SO4	27	16.39	62.8%	20.86	27.9%	25	9.63	164.1%
SILVER	SO5	98	39.61	148.6%	0	-	24	12.38	93.9%
Energy Futures									
CRUDE OIL PHY	CL	1,268,261	854,828.52	48.4%	1,037,515.45	22.2%	1,207,163	1,245,643.44	-3.1%
CRUDE OIL	WS	0	21.74	-100.0%	0	-	99	92.54	7.4%
MINY WTI CRUDE OIL	QM	24,109	13,492.3	78.7%	25,011.05	-3.6%	22,256	15,919.12	39.8%
BRENT OIL LAST DAY	BZ	102,899	52,652.35	95.4%	91,245.09	12.8%	103,479	83,202.63	24.4%
HEATING OIL PHY	HO	153,597	155,045.57	-0.9%	140,103.32	9.6%	158,909	184,117.53	-13.7%
HTG OIL	BH	0	0	-	2.18	-100.0%	1	0.5	15.0%
MINY HTG OIL	QH	0	0.3	-55.2%	0.14	0.0%	0	0.17	-9.8%
RBOB PHY	RB	166,537	211,257.43	-21.2%	192,514.14	-13.5%	207,644	199,574.96	4.0%
MINY RBOB GAS	QU	1	0.22	171.8%	0.27	116.7%	0	0.17	101.1%
NATURAL GAS	HP	5,001	3,103.35	61.2%	4,582.77	9.1%	5,217	5,266.49	-0.9%
LTD NAT GAS	HH	10,031	13,596.7	-26.2%	12,402.59	-19.1%	14,399	15,986.4	-9.9%
MINY NATURAL GAS	QG	1,586	744.91	112.9%	1,521.73	4.2%	1,346	1,202.1	11.9%
PJM MONTHLY	JM	0	0	-	0	-	0	0	-
NATURAL GAS PHY	NG	421,966	367,912.78	14.7%	410,780.05	2.7%	376,382	415,059.11	-9.3%

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Energy Futures									
RBOB GAS	RT	0	0	-	0.55	-100.0%	0	85.05	-99.5%
3.5% FUEL OIL CID MED SWA	7D	1	2.61	-72.1%	0.14	433.2%	1	3.03	-80.9%
3.5% FUEL OIL CIF BALMO S	8D	0	0	-	0	-	0	0.56	-78.8%
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	33	652.61	-95.0%	113.86	-71.3%	437	1,107.17	-60.5%
ARGUS PROPAN FAR EST INDE	7E	312	238.52	31.0%	247.45	26.2%	297	270.93	9.5%
ARGUS PROPAN(SAUDI ARAMCO	9N	162	147.96	9.3%	114.64	41.1%	140	121.62	14.8%
AUSTRIALIAN COKE COAL	ACT	0	0	-	0	-	0	0.12	-100.0%
AUSTRIALIAN COKE COAL	ALW	0	0	-	0	-	0	0	-
BRENT BALMO SWAP	J9	16	0	-	2.27	604.0%	8	1.09	615.0%
BRENT CALENDAR SWAP	CY	450	130.3	245.4%	555.64	-19.0%	346	165.62	109.1%
BRENT CFD SWAP	6W	0	0	-	0	-	0	1.78	-100.0%
BRENT FINANCIAL FUTURES	BB	0	43.48	-100.0%	0	-	42	84.4	-50.6%
BRENT FINANCIAL FUTURES	MBC	20	0	-	10.77	89.9%	5	0.75	509.1%
BRENT FINANCIAL FUTURES	MDB	0	0	-	0	-	0	1.33	-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	0.21	-100.0%
CHICAGO ETHANOL SWAP	CU	4,180	4,853.52	-13.9%	4,374.14	-4.4%	5,009	4,756.61	5.3%
CHICAGO ULSD PL VS HO SPR	5C	12	25.48	-51.8%	16.59	-26.0%	27	18.46	44.6%
CHICAGO UNL GAS PL VS RBO	3C	2	8.7	-73.9%	11.14	-79.6%	7	5.62	23.9%
CIG BASIS	CI	0	0	-	0	-	0	1.16	-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	52.78	-63.5%	31.27	-38.4%	26	59.23	-56.8%
CIN HUB 5MW REAL TIME O P	H4	0	0	-	0	-	23	0	-
CIN HUB 5MW REAL TIME PK	H3	0	0	-	0	-	2	1.36	42.1%
COAL SWAP	ACM	0	0.65	-100.0%	0	-	0	2.75	-100.0%
COLUMB GULF MAINLINE NG B	5Z	0	0	-	0	-	2	0	-
CONWAY NATURAL GASOLINE (OPIS) SWA	8L	26	7.96	225.6%	2.27	1040.0%	11	8.86	21.2%

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Energy Futures									
CONWAY NORMAL BUTANE (OPIS) SWAP	8M	35	4.78	622.3%	15.23	126.9%	21	15.01	41.1%
CONWAY PROPANE 5 DECIMALS SWAP	8K	642	852.78	-24.7%	622.55	3.1%	731	772.45	-5.4%
CRUDE OIL	LPS	129	169.57	-24.0%	95.45	35.0%	135	223.99	-39.8%
CRUDE OIL OUTRIGHTS	42	2	4.26	-46.7%	1.91	19.0%	18	11.21	64.6%
CRUDE OIL OUTRIGHTS	CC5	5	0	-	28.23	-80.7%	19	0	-
CRUDE OIL OUTRIGHTS	CPD	0	0	-	0	-	0	17.49	-100.0%
CRUDE OIL OUTRIGHTS	CSW	12	67.83	-81.8%	0	-	19	9.26	105.2%
CRUDE OIL OUTRIGHTS	DBL	0	0	-	0	-	2	0.59	306.5%
CRUDE OIL OUTRIGHTS	GSW	0	0	-	0	-	2	0.62	164.4%
CRUDE OIL OUTRIGHTS	HTT	1,768	1,528.26	15.7%	2,906.64	-39.2%	2,730	2,411.65	13.2%
CRUDE OIL OUTRIGHTS	LSW	1	1.3	4.5%	0	-	19	1.89	895.9%
CRUDE OIL OUTRIGHTS	SSW	0	0	-	0	-	0	0	-
CRUDE OIL OUTRIGHTS	UMD	0	0	-	0	-	0	28.4	-100.0%
CRUDE OIL OUTRIGHTS	UNS	0	0	-	0	-	0	44.7	-100.0%
CRUDE OIL OUTRIGHTS	WCC	0	0	-	0	-	0	0	-
CRUDE OIL OUTRIGHTS	WCW	73	102.61	-28.7%	69.77	4.9%	202	333.2	-39.4%
CRUDE OIL PHY	CLL	0	0	-	0	-	0	0	-
CRUDE OIL PHY	HCL	573	0	-	583.18	-1.7%	928	0	-
CRUDE OIL SPRDS	38	0	0	-	0	-	0	12.16	-100.0%
CRUDE OIL SPRDS	HIL	0	0	-	0	-	4	0	-
CRUDE OIL SPRDS	WTT	598	983.83	-39.2%	1,363.41	-56.2%	1,068	2,166.53	-50.7%
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	0	-	0	-	6	18.55	-67.9%

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Energy Futures									
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	0.75	-100.0%
DUBAI CRUDE OIL BALMO	BI	0	0	-	0	-	0	0.74	-100.0%
DUBAI CRUDE OIL CALENDAR	DC	6	38.04	-85.1%	22.27	-74.5%	105	88.18	19.2%
DUTCH TTF NATURAL GAS CAL MONTH FUT	TTF	430	18.13	2271.5%	789.32	-45.5%	409	44.95	809.7%
EASTERN RAIL DELIVERY CSX	QX	0	0	-	0	-	0	1.45	-100.0%
EAST/WEST FUEL OIL SPREAD	EW	0	0	-	0.45	-100.0%	0	1.11	-89.2%
EIA FLAT TAX ONHWAY DIESE	A5	5	8.96	-39.6%	17.68	-69.4%	16	9.98	64.7%
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	115.98	-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	11.54	-100.0%
ERCOT NORTH ZMCPE 5MW OFFPEAK	I8	0	0	-	0	-	0	0	-
ERCOT NORTH ZMCPE 5MW OFFPEAK SWA	I6	0	0	-	0	-	0	115.98	-100.0%
ERCOT NORTH ZMCPE 5MW PEAK	I5	0	0	-	0	-	0	29.88	-100.0%
ETHANOL	MTH	0	0	-	0	-	0	0	-
ETHANOL	Z1B	0	0	-	0	-	0	0	-
ETHANOL SWAP	MT2	1	0.87	4.5%	0.45	100.0%	3	1.6	104.9%
ETHANOL T2 FOB ROTT INCL DUTY SWAP	Z1	136	123.17	10.1%	85.41	58.8%	158	138.72	13.5%
EURO 1% FUEL OIL NEW BALM	KX	0	0.09	-100.0%	0	-	0	0.15	-87.9%
EURO 3.5% FUEL OIL RDAM B	KR	1	19.87	-97.5%	3.27	-84.7%	2	30.57	-94.1%
EURO 3.5% FUEL OIL SPREAD	FK	0	5.43	-100.0%	0.55	-100.0%	1	4.93	-82.3%
EURO-DENOMINATED PETRO PROD	NCP	0	27.83	-100.0%	0	-	0	3.79	-100.0%
EURO GASOIL 10PPM VS ICE	ET	0	0	-	0	-	0	2.19	-100.0%
EUROPE 1% FUEL OIL NWE CA	UF	1	0	-	0	-	3	2.17	27.3%
EUROPE 1% FUEL OIL RDAM C	UH	0	0	-	0	-	0	0.02	-100.0%
EUROPE 3.5% FUEL OIL MED	UI	1	4.13	-80.2%	0.64	28.6%	2	4.54	-49.6%

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Energy Futures									
EUROPE 3.5% FUEL OIL RDAM	UV	35	175.96	-80.3%	17.27	100.5%	48	404.62	-88.2%
EUROPEAN GASOIL (ICE)	7F	4	14.52	-73.7%	4.55	-16.0%	5	21.6	-77.5%
EUROPEAN NAPHTHA BALMO	KZ	0	12.04	-97.0%	8.23	-95.6%	8	13.54	-41.0%
EUROPEAN NAPHTHA CRACK SPR	EN	93	387	-76.1%	96.55	-4.1%	204	428.94	-52.5%
EUROPE DATED BRENT SWAP	UB	0	0	-	0	-	10	0	-
EUROPE JET KERO NWE CALSW	UJ	0	0.78	-100.0%	0	-	0	0.23	-87.1%
EUROPE NAPHTHA CALSWAP	UN	23	164.35	-85.9%	76.45	-69.7%	92	161.59	-43.3%
EURO PROPANE CIF ARA SWA	PS	76	62.74	21.1%	77.41	-1.9%	92	82.6	11.8%
FREIGHT MARKETS	ACB	0	0	-	19.09	-100.0%	3	0	-
FREIGHT MARKETS	FLP	11	12.26	-10.3%	16.41	-33.0%	8	6.31	30.6%
FREIGHT MARKETS	FRC	4	2.61	56.8%	10.45	-60.9%	7	3.55	102.9%
FREIGHT MARKETS	FRS	0	0	-	0	-	0	0	-
FREIGHT MARKETS	T2D	11	8.04	35.6%	24.77	-56.0%	26	12.56	105.6%
FREIGHT MARKETS	TC6	0	0	-	0	-	0	1.42	-100.0%
FREIGHT MARKETS	TD3	0	0	-	3.18	-100.0%	1	0.18	369.5%
FREIGHT MARKETS	TD8	0	0	-	0	-	0	0	-
FREIGHT MARKETS	USC	5	0	-	2.73	66.7%	1	0	-
FUEL OIL CRACK VS ICE	FO	129	70.87	82.3%	55.18	134.2%	83	189.8	-56.1%
FUEL OIL NWE CRACK VS ICE	FI	0	0	-	0	-	0	1.01	-91.2%
FUEL OIL (PLATS) CAR CM	1W	0	0	-	0	-	0	0.91	-96.1%
FUEL OIL (PLATS) CAR CN	1X	0	0	-	0	-	0	0.71	-100.0%
FUELOIL SWAP:CARGOES VS.B	FS	0	7.17	-93.7%	1.64	-72.2%	8	11.11	-23.6%
GAS EURO-BOB OXY NWE BARGES	7H	74	281.74	-73.8%	131.91	-44.1%	265	367.74	-28.0%
GAS EURO-BOB OXY NWE BARGES CRK	7K	176	571.96	-69.2%	239.95	-26.5%	398	903.74	-55.9%
GASOIL 0.1CIF MED VS ICE	Z5	0	0	-	0	-	0	0.06	-100.0%
GASOIL 0.1 CIF NWE VS ISE	TU	0	0	-	0	-	0	0	-
GASOIL 0.1 RDAM BRGS VS I	WQ	0	0.22	-100.0%	0	-	0	0.06	111.1%
GASOIL 0.1 ROTTERDAM BARG	VL	0	0.22	-100.0%	0	-	1	7.46	-91.8%
GASOIL 10PPM VS ICE SWAP	TP	0	0	-	0	-	0	0.07	226.9%
GASOIL CALENDAR SWAP	GX	2	0.26	579.5%	0.55	225.0%	1	0.32	140.3%
GASOIL CRACK SPREAD CALEN	GZ	5	123.13	-95.6%	43.64	-87.5%	30	210.37	-85.5%
GASOIL MINI CALENDAR SWAP	QA	28	7.48	272.0%	19.41	43.3%	14	8.53	61.1%
GERMAN POWER BASELOAD CAL MONTH F	DEB	87	39.78	118.6%	233.77	-62.8%	115	17.7	550.7%
GROUP THREE ULSD (PLATTS)	A7	0	0.87	-100.0%	0	-	0	1.21	-100.0%
GROUP THREE UNLEAD GAS (P	A9	14	0	-	0	-	2	2.51	-29.0%
GRP THREE ULSD(PLT)VS HEA	A6	149	125.22	18.7%	211.27	-29.6%	168	164.01	2.6%

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Energy Futures									
GRP THREE UNL GS (PLT) VS	A8	62	86.3	-27.8%	82.27	-24.3%	126	93.36	35.1%
GULF COAST 3% FUEL OIL BA	VZ	30	42.65	-29.3%	36.77	-18.0%	33	67.85	-50.9%
GULF COAST JET FUEL CLNDR	GE	0	10.48	-100.0%	0	-	2	6.84	-76.8%
GULF COAST JET VS NYM 2 H	ME	849	1,301.74	-34.7%	925.45	-8.2%	1,018	1,784.66	-42.9%
GULF COAST NO.6 FUEL OIL	MF	958	2,016.35	-52.5%	832.45	15.1%	1,110	2,795.13	-60.3%
GULF COAST NO.6 FUEL OIL	MG	4	23.04	-84.2%	7.27	-50.0%	9	88.01	-89.4%
GULF COAST ULSD CALENDAR	LY	9	9.35	-2.7%	12.59	-27.8%	18	11.98	51.1%
GULF COAST ULSD CRACK SPR	GY	0	0	-	0	-	0	7.66	-100.0%
HEATING OIL BALMO CLNDR S	1G	0	0	-	1.82	-100.0%	3	1.32	154.9%
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	0	2.7	-100.0%	53.55	-100.0%	74	44.34	66.8%
HENRY HUB FINANCIAL LAST	NBP	0	192.13	-100.0%	0	-	0	132.93	-100.0%
HENRY HUB FINANCIAL LAST	TTE	0	3.39	-100.0%	0	-	0	5.06	-100.0%
HENRY HUB INDEX SWAP FUTU	IN	0	2.7	-100.0%	53.55	-100.0%	74	44.34	66.8%
HENRY HUB SWAP	NN	1,609	8,477.43	-81.0%	3,403.73	-52.7%	4,849	8,325.78	-41.8%
HOUSTON SHIP CHANNEL BASI	NH	0	0	-	0	-	4	0	-
ICE BRENT DUBAI SWAP	DB	92	497.96	-81.5%	194.36	-52.5%	245	490.83	-50.1%
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	9	9.13	2.1%	25	-62.7%	18	5.83	202.8%
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	1	0	-	0	-	1	9.99	-88.3%
JAPAN C&F NAPHTHA SWAP	JA	21	65.04	-67.2%	37.45	-43.1%	54	97.57	-44.2%
JAPAN NAPHTHA BALMO SWAP	E6	2	4.22	-58.0%	0.45	290.0%	2	2.95	-33.7%
JET AV FUEL (P) CAR FM ICE GAS SWAP	1V	0	0	-	0	-	0	0.03	-100.0%
JET CIF NWE VS ICE	JC	1	0	-	0	-	1	3.73	-84.0%
JET FUEL UP-DOWN BALMO CL	1M	126	239.13	-47.3%	223.41	-43.5%	203	282.59	-28.2%
JKM LNG Futures	JKM	70	96	-27.3%	80	-12.8%	74	54.54	36.5%
LA CARB DIESEL (OPIS) SWA	KL	2	4.57	-50.2%	0	-	2	15.56	-85.7%
LA CARBOB GASOLINE(OPIS)S	JL	8	3.26	143.9%	17.05	-53.3%	17	24.56	-30.9%
LA JET (OPIS) SWAP	JS	54	60.35	-11.2%	64.77	-17.3%	62	104.4	-40.2%

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Energy Futures									
LLS (ARGUS) CALENDAR SWAP	XA	0	26.39	-100.0%	0	-	0	3.59	-100.0%
LLS (ARGUS) VS WTI SWAP	WJ	3	99.65	-97.3%	49.09	-94.4%	99	276.4	-64.3%
LOS ANGELES CARB GASOLINE	MH	0	0	-	0.45	-100.0%	0	0	-
MARS (ARGUS) VS WTI SWAP	YX	37	21.74	69.4%	65.45	-43.7%	81	113.61	-28.6%
MARS (ARGUS) VS WTI TRD M	YV	790	430.91	83.2%	554.41	42.4%	887	1,074.24	-17.5%
MARS BLEND CRUDE OIL	MB	0	0	-	0	-	0	13.72	-100.0%
MCCLOSKEY ARA ARGS COAL	MTF	1,150	827.83	38.9%	1,598.23	-28.0%	1,404	1,142.41	22.9%
MCCLOSKEY RCH BAY COAL	MFF	63	113.3	-44.8%	105.09	-40.5%	111	156.7	-29.2%
MGF FUT	MGF	0	3.83	-100.0%	0	-	0	1.29	-100.0%
MGN1 SWAP FUT	MGN	6	1.74	239.8%	0.45	1200.1%	3	3.39	-14.0%
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	24	11.52	109.9%	5.18	366.7%	11	17.46	-36.0%
MINI RBOB V. EBOBARG NWE BRGS BALMO	MXR	0	16.3	-100.0%	0	-	21	17.96	16.0%
MINI RBOB V. EBOB(ARGUS) NWE BRGS	MXB	29	91.65	-68.3%	92.82	-68.7%	104	80.28	29.9%
MJC FUT	MJC	0	3.48	-100.0%	0	-	1	7.84	-88.6%
MNC FUT	MNC	129	204.87	-37.0%	146.91	-12.1%	187	183.01	2.4%
MONT BELVIEU ETHANE 5 DECIMAL	C0	874	850.87	2.7%	950.32	-8.1%	741	739.99	0.1%
MONT BELVIEU ETHANE OPIS BALMO	8C	3	5.65	-51.7%	7.05	-61.3%	8	7.63	-0.3%
MONT BELVIEU LDH PROPANE 5 DECIMAL	B0	7,157	4,861.61	47.2%	7,379.59	-3.0%	6,964	5,704.36	22.1%
MONT BELVIEU LDH PROPANE OPIS BALM	8O	125	42.91	190.9%	75.14	66.1%	148	127.89	15.5%
MONT BELVIEU NATURAL GASOLINE 5 DEC	7Q	281	223.04	26.0%	416.09	-32.4%	375	378.3	-0.8%
MONT BELVIEU NATURAL GASOLINE BALM	R0	18	16.61	10.8%	39.32	-53.2%	31	19.09	59.9%
MONT BELVIEU NORMAL BUTANE 5 DECIM	D0	2,372	2,028.35	16.9%	2,326.09	2.0%	2,180	1,612.12	35.2%
MONT BELVIEU NORMAL BUTANE BALMO	8J	70	48.04	45.0%	45.91	51.8%	64	50.89	24.9%
NAT GAS BASIS SWAP	TZ6	0	0	-	0	-	0	0	-
NATURAL GAS	XIC	0	0	-	0	-	0	0	-
NATURAL GAS PEN SWP	NP	1,085	1,314.61	-17.5%	955.68	13.5%	1,348	1,656.46	-18.6%
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	2,502	0	-	0	-	426	470.53	-9.4%
NEPOOL INTR HUB 5MW D AH	U6	0	0	-	0	-	0	25.89	-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	-

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Energy Futures									
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	12	44.78	-72.4%	42.05	-70.6%	34	63.11	-46.0%
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	-	7	2.37	211.8%
NGPL TEX/OK	PD	0	0	-	0	-	15	135.12	-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	17.39	-100.0%	0	-	4	15.14	-73.5%
NORTHEN NATURAL GAS DEMAR	PE	0	0	-	0	-	0	0	-
NORTHEN NATURAL GAS VENTU	PF	0	0	-	0	-	0	0.59	-100.0%
NORTHWEST ROCKIES BASIS S	NR	0	0	-	0	-	18	0	-
N ROCKIES PIPE SWAP	XR	0	2.57	-100.0%	0	-	0	0.35	-100.0%
NY1% VS GC SPREAD SWAP	VR	32	16.3	96.3%	22.18	44.3%	23	76.53	-70.1%
NY 3.0% FUEL OIL (PLATTS	H1	0	19.57	-100.0%	0	-	5	9.76	-52.8%
NY HARBOR 1% FUEL OIL BAL	VK	0	2.17	-100.0%	1.14	-100.0%	0	0.3	-49.7%
NY HARBOR HEAT OIL SWP	MP	77	244.09	-68.6%	22.64	238.4%	102	94.85	7.7%
NY HARBOR LOW SULPUR GAS 1000MBBL	NLS	0	6.52	-100.0%	0	-	2	16.83	-86.2%
NY HARBOR RESIDUAL FUEL 1	MM	32	43	-24.6%	22.82	42.0%	37	54.22	-32.0%
NY HARBOR RESIDUAL FUEL C	ML	0	0	-	0	-	0	0	-
NYH NO 2 CRACK SPREAD CAL	HK	18	3.91	353.0%	0	-	16	43.77	-64.3%
NYISO CAPACITY	LHV	0	0	-	0	-	1	1.46	-1.9%
NYISO CAPACITY	NNC	0	6.52	-100.0%	0	-	0	3.64	-100.0%
NYISO CAPACITY	NRS	0	2.61	-100.0%	0	-	0	1.63	-78.1%
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	2,502	970.43	157.8%	0	-	604	3,555.35	-83.0%
NYISO ZONE G 5MW D AH PK	T3	0	0	-	289.77	-100.0%	49	108.19	-55.0%
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	-

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Energy Futures									
NYMEX ULSD VS NYMEX HO	UY	0	0	-	0	-	9	0	-
NY ULSD (ARGUS) VS HEATING OIL	7Y	5	0	-	3.5	29.9%	9	1.26	653.3%
ONEOK OKLAHOMA NG BASIS	8X	0	63.65	-100.0%	0	-	0	8.66	-100.0%
ONTARIO POWER SWAPS	OFD	0	0	-	0	-	0	0	-
ONTARIO POWER SWAPS	OPD	1	0	-	0	-	0	0.06	151.4%
ONTARIO POWER SWAPS	OPM	0	0	-	0	-	1	0	-
PANHANDLE BASIS SWAP FUTU	PH	0	0	-	0	-	0	1.63	-100.0%
PANHANDLE PIPE SWAP	XH	0	0	-	0	-	0	0	-
PERMIAN BASIS SWAP	PM	0	0	-	0	-	0	0	-
PETROCHEMICALS	22	7	8.26	-11.4%	8.14	-10.1%	8	7.73	2.2%
PETROCHEMICALS	32	3	7.78	-60.9%	6	-49.2%	5	8.01	-36.3%
PETROCHEMICALS	3NA	0	0	-	0.09	-100.0%	0	0	-
PETROCHEMICALS	51	0	0	-	2.73	-100.0%	0	0.14	236.7%
PETROCHEMICALS	8I	38	1.91	1907.8%	16.36	134.7%	29	33.63	-13.6%
PETROCHEMICALS	91	24	10.57	128.5%	16.82	43.5%	22	18.86	18.0%
PETROCHEMICALS	MAA	0	0	-	1.36	-100.0%	2	0.3	463.3%
PETROCHEMICALS	MAE	28	4.96	470.4%	34.95	-19.1%	18	8.83	99.6%
PETROCHEMICALS	MAS	13	16.74	-19.6%	12.5	7.6%	11	6.78	56.4%
PETROCHEMICALS	MBE	15	43.04	-66.2%	9.55	52.4%	16	39.59	-59.2%
PETROCHEMICALS	MNB	5	45.17	-88.1%	18.64	-71.2%	34	96.56	-64.8%
PETROCHEMICALS	MPS	8	5.22	52.5%	4.91	62.0%	10	5.27	98.7%
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	0.59	-100.0%
PETRO CRCKS & SPRDS ASIA	STS	2	0	-	0.95	138.1%	2	3.01	-44.3%
PETRO CRCKS & SPRDS NA	CRB	398	121.09	228.9%	325	22.5%	330	71.04	364.4%
PETRO CRCKS & SPRDS NA	EXR	57	93.04	-38.4%	91.86	-37.6%	128	135.33	-5.7%
PETRO CRCKS & SPRDS NA	FOC	7	8.7	-21.6%	31.82	-78.6%	20	32.99	-39.2%
PETRO CRCKS & SPRDS NA	GBB	11	69.57	-83.7%	52.27	-78.3%	31	61.15	-49.2%
PETRO CRCKS & SPRDS NA	GCC	0	0	-	0	-	0	10.3	-100.0%
PETRO CRCKS & SPRDS NA	GCI	48	94.91	-49.0%	21.64	123.5%	64	74.24	-13.7%
PETRO CRCKS & SPRDS NA	GCM	0	0.91	-100.0%	0	-	0	0.96	-100.0%
PETRO CRCKS & SPRDS NA	GCU	133	646.96	-79.5%	214.68	-38.2%	159	642.98	-75.3%
PETRO CRCKS & SPRDS NA	GFC	0	0	-	0	-	1	0.24	151.5%
PETRO CRCKS & SPRDS NA	HOB	265	47.48	457.2%	5	5190.9%	86	47.53	81.1%
PETRO CRCKS & SPRDS NA	MFR	0	0.17	-100.0%	0	-	0	0.02	-100.0%

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Energy Futures									
PETRO CRCKS & SPRDS NA	NFG	0	0	-	0	-	0	0.3	-100.0%
PETRO CRCKS & SPRDS NA	NYF	0	0	-	3.41	-100.0%	0	0	-
PETRO CRCKS & SPRDS NA	RBB	104	210.61	-50.8%	99.18	4.4%	356	255.99	39.1%
PETRO CRCKS & SPRDS NA	RVG	390	399.83	-2.5%	536.82	-27.3%	659	787.53	-16.3%
PETRO CRCKS & SPRDS NA	SF3	9	0	-	4.59	88.1%	5	1.9	177.0%
PETRO CRK&SPRD EURO	1NB	6	100.57	-93.7%	33.59	-81.1%	57	93.56	-39.1%
PETRO CRK&SPRD EURO	1ND	0	0	-	0	-	0	0.59	-100.0%
PETRO CRK&SPRD EURO	43	0	9.17	-100.0%	0.14	-100.0%	1	17.63	-94.8%
PETRO CRK&SPRD EURO	BFR	0	0	-	0	-	0	0	-
PETRO CRK&SPRD EURO	BOB	43	61.39	-30.8%	4.77	790.5%	24	87.17	-72.4%
PETRO CRK&SPRD EURO	EOB	0	0	-	0.36	-100.0%	0	1.11	-87.7%
PETRO CRK&SPRD EURO	EPN	33	28.87	13.4%	27.36	19.6%	29	43.43	-33.4%
PETRO CRK&SPRD EURO	EVC	26	52.61	-50.1%	33.09	-20.6%	22	104.56	-79.3%
PETRO CRK&SPRD EURO	FBT	0	0	-	0	-	0	0	-
PETRO CRK&SPRD EURO	FVB	0	0	-	0	-	0	0.18	-100.0%
PETRO CRK&SPRD EURO	GCB	5	0	-	6.14	-25.9%	3	4.02	-23.5%
PETRO CRK&SPRD EURO	GOC	0	0	-	0	-	0	0.5	-100.0%
PETRO CRK&SPRD EURO	MGB	0	0	-	0	-	1	0.47	50.9%
PETRO CRK&SPRD EURO	MUD	1	0	-	0.45	200.0%	1	0.96	-32.1%
PETRO CRK&SPRD EURO	NBB	0	0.87	-100.0%	0	-	0	0.9	-61.6%
PETRO CRK&SPRD EURO	NOB	5	82.57	-93.7%	11.59	-54.9%	20	79.55	-75.3%
PETRO CRK&SPRD EURO	SFB	0	0	-	0	-	0	0.74	-59.0%
PETROLEUM PRODUCTS	1NM	3	0	-	5	-40.9%	4	0	-
PETROLEUM PRODUCTS	EWG	26	201.52	-87.0%	48.86	-46.5%	119	212.74	-44.0%
PETROLEUM PRODUCTS	JCC	0	0	-	0	-	0	0	-
PETROLEUM PRODUCTS	MME	0	0	-	0	-	0	0.18	-100.0%
PETROLEUM PRODUCTS	MPE	0	0	-	0	-	0	0	-
PETROLEUM PRODUCTS	R5F	0	0	-	0.41	-100.0%	0	0	-
PETROLEUM PRODUCTS	S53	1	0	-	0	-	0	0	-
PETROLEUM PRODUCTS	VU	6	0	-	2.27	184.0%	2	6.18	-63.7%
PETROLEUM PRODUCTS ASIA	E6M	3	3.04	-10.4%	0	-	1	3.75	-79.7%
PETROLEUM PRODUCTS ASIA	MJN	41	67.17	-39.1%	78.68	-48.0%	75	91.33	-17.6%
PETROLEUM PRODUCTS ASIA	MSB	1	0	-	0	-	0	0	-
PETRO OUTRIGHT EURO	OB	3	0	-	0.45	630.1%	1	0.5	188.6%
PETRO OUTRIGHT EURO	OC	1	0.13	945.7%	0	-	0	0.02	1405.1%
PETRO OUTRIGHT EURO	OD	54	44.61	20.2%	62.14	-13.7%	66	63.73	4.0%

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Commodity	ADV AUG 2019	ADV AUG 2018	% CHG	ADV JUL 2019	% CHG	ADV Y.T.D 2019	ADV Y.T.D 2018	% CHG	
Energy Futures									
PETRO OUTFRIGHT EURO	0E	0	0.13	-100.0%	0.91	-100.0%	0	1.17	-61.4%
PETRO OUTFRIGHT EURO	0F	20	20.7	-1.6%	15.36	32.5%	19	27.01	-31.0%
PETRO OUTFRIGHT EURO	1T	0	0.78	-100.0%	0	-	0	0.23	-87.1%
PETRO OUTFRIGHT EURO	33	0	0	-	0	-	0	0	-
PETRO OUTFRIGHT EURO	5L	0	0.43	-100.0%	0	-	1	1.33	-8.8%
PETRO OUTFRIGHT EURO	63	0	0.22	-100.0%	0	-	0	1.02	-91.2%
PETRO OUTFRIGHT EURO	7I	0	0	-	2.27	-100.0%	4	3.44	11.3%
PETRO OUTFRIGHT EURO	7R	3	17.09	-80.8%	2	63.6%	7	15	-52.5%
PETRO OUTFRIGHT EURO	88	0	0	-	1.14	-100.0%	0	0.62	-76.1%
PETRO OUTFRIGHT EURO	CBB	1	0	-	0	-	0	0.33	-72.6%
PETRO OUTFRIGHT EURO	CGB	0	0	-	0	-	0	0	-
PETRO OUTFRIGHT EURO	CPB	3	0	-	6.23	-48.9%	11	17.8	-38.3%
PETRO OUTFRIGHT EURO	EFF	3	0.65	290.3%	0	-	1	0.69	49.2%
PETRO OUTFRIGHT EURO	EFM	0	0	-	0	-	0	0	-
PETRO OUTFRIGHT EURO	ENS	1	1.74	-60.8%	0	-	1	0.62	39.9%
PETRO OUTFRIGHT EURO	EWN	5	33.26	-83.9%	9.45	-43.3%	23	33.21	-29.3%
PETRO OUTFRIGHT EURO	FLB	0	0	-	0	-	0	0	-
PETRO OUTFRIGHT EURO	GES	0	0.22	-100.0%	0	-	0	0.03	-100.0%
PETRO OUTFRIGHT EURO	H5G	0	0	-	2.73	-100.0%	1	0	-
PETRO OUTFRIGHT EURO	MBB	0	0	-	0	-	0	1.01	-100.0%
PETRO OUTFRIGHT EURO	MBN	25	17.78	38.0%	10.91	125.0%	17	49.57	-65.9%
PETRO OUTFRIGHT EURO	MEF	13	0.65	1886.3%	10.32	25.5%	16	0.09	17884.5%
PETRO OUTFRIGHT EURO	R53	0	0	-	0.27	-100.0%	0	0	-
PETRO OUTFRIGHT EURO	R5M	15	0	-	3.23	352.1%	5	0	-
PETRO OUTFRIGHT EURO	R5O	5	0	-	0.23	2219.7%	2	0	-
PETRO OUTFRIGHT EURO	S5F	1	0	-	0	-	0	0	-
PETRO OUTFRIGHT EURO	S5M	17	0	-	5.73	201.6%	4	0	-
PETRO OUTFRIGHT EURO	S5O	0	0	-	0	-	0	0	-
PETRO OUTFRIGHT EURO	SMU	0	6.52	-100.0%	22.73	-100.0%	4	2.83	31.5%
PETRO OUTFRIGHT EURO	T0	0	0	-	0	-	0	0.05	-100.0%
PETRO OUTFRIGHT EURO	T2B	0	0	-	0	-	0	0	-
PETRO OUTFRIGHT EURO	TMB	2	0	-	0	-	0	0	-
PETRO OUTFRIGHT EURO	V0	0	0	-	0	-	0	5.8	-100.0%
PETRO OUTFRIGHT EURO	X0	0	0	-	0	-	0	0	-
PETRO OUTFRIGHT NA	FCB	0	1.39	-100.0%	10.45	-100.0%	3	3.5	-27.6%
PETRO OUTFRIGHT NA	FOM	0	0	-	0	-	0	0	-

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Energy Futures									
PETRO OUtright NA	JE	0	0	-	0	-	0	0.41	-12.5%
PETRO OUtright NA	JET	72	275.65	-74.0%	110.23	-35.1%	117	125.56	-6.8%
PETRO OUtright NA	JTB	22	6.52	231.1%	43.18	-50.0%	34	22.84	49.9%
PETRO OUtright NA	MBL	0	0	-	0	-	0	0.24	-100.0%
PETRO OUtright NA	MEN	0	27.61	-98.4%	3.09	-85.3%	8	21.11	-62.6%
PETRO OUtright NA	MEO	51	113.43	-55.2%	148.59	-65.8%	119	178.51	-33.1%
PETRO OUtright NA	MFD	0	0	-	0.45	-100.0%	2	0.59	196.8%
PETRO OUtright NA	MMF	4	0.83	356.7%	2.95	27.7%	4	0.44	926.3%
PETRO OUtright NA	XER	0	13.04	-100.0%	0	-	0	1.78	-100.0%
PJM AD HUB 5MW REAL TIME	V3	0	0	-	0	-	698	165.87	320.5%
PJM AD HUB 5MW REAL TIME	Z9	0	0	-	0	-	15	74.87	-79.6%
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	116	0	-	0	-	23	30.18	-24.2%
PJM NI HUB 5MW REAL TIME	B6	2,120	0	-	0	-	417	0	-
PJM NILL DA OFF-PEAK	L3	0	0	-	0	-	0	0	-
PJM NILL DA PEAK	N3	0	0	-	0	-	0	0.13	-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	1,017.39	-100.0%	0	-	0	138.46	-100.0%
PJM PSEG DA PEAK	L6	0	55.43	-100.0%	0	-	0	7.54	-100.0%
PJM WESTH DA OFF-PEAK	E4	0	1,017.39	-100.0%	0	-	0	602.43	-100.0%
PJM WESTHDA PEAK	J4	0	55.43	-100.0%	0	-	0	32.69	-100.0%
PJM WESTH RT OFF-PEAK	N9	0	0	-	0	-	280	1,739.65	-83.9%
PJM WESTH RT PEAK	L1	0	121.35	-100.0%	23.36	-100.0%	280	272.01	3.0%
PLASTICS	PGP	25	20.48	19.9%	28.18	-12.9%	34	17.84	90.8%
PREMIUM UNLND 10P FOB MED	3G	1	7.57	-80.8%	1.5	-3.0%	5	12.03	-60.2%
PREMIUM UNLEAD 10PPM FOB	8G	1	2.09	-30.3%	0.68	113.3%	0	2.38	-83.8%
PREM UNL GAS 10PPM RDAM FOB BALMO	7N	0	0	-	0	-	0	0.47	-74.9%

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Energy Futures									
PREM UNL GAS 10PPM RDAM FOB SWAP	7L	0	5.04	-100.0%	0	-	0	1.1	-83.8%
PROPANE NON-LDH MB (OPIS) BALMO SWP	1S	45	30.74	45.7%	61.05	-26.7%	72	26.02	175.8%
PROPANE NON-LDH MT. BEL (OPIS) SWP	1R	504	548.57	-8.2%	1,367.91	-63.2%	868	554.73	56.5%
RBOB CALENDAR SWAP	RL	169	264.87	-36.4%	185.59	-9.2%	285	272.69	4.5%
RBOB CRACK SPREAD	RM	7	2.61	161.4%	25.45	-73.2%	53	54.51	-3.1%
RBOB CRACK SPREAD BALMO S	1E	0	0	-	0	-	0	0	-
RBOB GASOLINE BALMO CLNDR	1D	39	36.22	6.9%	37.32	3.8%	47	53.25	-11.7%
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	11.69	-96.2%
SAN JUAN BASIS SWAP	NJ	0	0	-	0	-	0	0.34	-100.0%
SAN JUAN PIPE SWAP	XX	0	0	-	0	-	0	2.13	-100.0%
SINGAPORE 180CST BALMO	BS	1	2.09	-56.4%	0.68	33.3%	1	2.59	-74.0%
SINGAPORE 380CST BALMO	BT	6	12.26	-54.4%	15.59	-64.1%	4	10.7	-60.2%
SINGAPORE 380CST FUEL OIL	SE	102	459.04	-77.9%	120.41	-15.7%	144	427.93	-66.4%
SINGAPORE FUEL 180CST CAL	UA	8	23.61	-64.4%	12.14	-30.7%	13	42.59	-68.8%
SINGAPORE FUEL OIL SPREAD	SD	3	11.87	-77.0%	3.41	-20.0%	3	33.87	-91.3%
SINGAPORE GASOIL	MAF	122	0.35	34847.0%	111	9.5%	91	0.05	193232.8%
SINGAPORE GASOIL	MTB	3	2.22	27.1%	1.14	148.0%	2	2.82	-17.4%
SINGAPORE GASOIL	MTS	222	180.04	23.2%	211.68	4.7%	186	225.58	-17.5%
SINGAPORE GASOIL	STZ	0	0	-	0	-	0	25.44	-100.0%
SINGAPORE GASOIL CALENDAR	GDH	0	0	-	0	-	0	0.3	-100.0%
SINGAPORE GASOIL CALENDAR	GDL	0	0	-	0	-	0	1.48	-100.0%
SINGAPORE GASOIL CALENDAR	GHS	0	0	-	12.27	-100.0%	2	0	-
SINGAPORE GASOIL CALENDAR	MGO	0	0	-	0	-	0	1.18	-100.0%
SINGAPORE GASOIL CALENDAR	MSG	10	2.17	370.5%	11.68	-12.5%	9	25.14	-65.7%
SINGAPORE GASOIL CALENDAR	SGG	0	0	-	0	-	0	1.92	-100.0%
SINGAPORE GASOIL SWAP	SG	37	286.52	-87.0%	41.27	-9.8%	49	211.2	-76.6%
SINGAPORE GASOIL VS ICE	GA	0	251.09	-100.0%	6.82	-100.0%	27	634.41	-95.8%
SINGAPORE JET KERO BALMO	BX	0	0	-	0	-	0	1.27	-100.0%
SINGAPORE JET KERO GASOIL	RK	0	101.09	-100.0%	0	-	1	184.44	-99.7%
SINGAPORE JET KEROSENE SW	KS	13	86.74	-85.6%	19.32	-35.3%	27	53.61	-49.3%
SINGAPORE JET KERO VS. GASOIL BALMO	Z0	0	16.3	-100.0%	0	-	0	2.37	-100.0%
SINGAPORE MOGAS 92 UNLEADED BALMO	1P	0	77.96	-100.0%	2.27	-100.0%	9	29.44	-70.2%
SINGAPORE MOGAS 92 UNLEADED SWP	1N	72	419.09	-82.7%	266.68	-72.9%	496	657.86	-24.6%
SINGAPORE NAPHTHA SWAP	SP	0	0	-	0	-	0	1.18	-100.0%

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Energy Futures									
SING FUEL	MSD	0	0	-	0	-	0	0.56	-100.0%
SOUTH STAR TEX OKLHM KNS	8Z	0	0	-	0	-	0	0	-
Sumas Basis Swap	NK	0	0	-	0	-	0	0.54	-100.0%
TC2 ROTTERDAM TO USAC 37K	TM	4	0	-	24.82	-83.3%	12	3.24	278.3%
TC5 RAS TANURA TO YOKOHAM	TH	1	0	-	24.09	-96.2%	15	1.42	948.3%
TCO BASIS SWAP	TC	0	0	-	0	-	0	0	-
TD3 MEG TO JAPAN 250K MT	TL	135	88.48	52.3%	307.27	-56.1%	226	51.21	341.0%
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	0.36	-66.5%
UK NBP NAT GAS CAL MTH FUT	UKG	53	58.09	-8.4%	6.82	680.0%	27	240.9	-89.0%
ULSD 10PPM CIF MED VS ICE	Z7	0	0	-	0	-	0	0.08	-100.0%
ULSD UP-DOWN BALMO SWP	1L	116	210.3	-44.8%	230.45	-49.6%	239	238.83	0.1%
UP DOWN GC ULSD VS NMX HO	LT	1,960	1,447.48	35.4%	1,263.5	55.1%	1,458	1,502.66	-3.0%
WAHA BASIS	NW	0	0	-	0	-	4	18.94	-79.6%
WESTERN RAIL DELIVERY PRB	QP	0	0	-	0	-	0	0.15	-100.0%
WTI-BRENT BULLET SWAP	BY	2	0	-	25	-93.6%	9	39.35	-78.1%
WTI-BRENT CALENDAR SWAP	BK	1,463	621.35	135.4%	1,647.64	-11.2%	1,717	1,484.05	15.7%
WTI CALENDAR	CS	1,024	1,540.17	-33.5%	1,674.95	-38.9%	1,905	1,562.38	21.9%
WTS (ARGUS) VS WTI SWAP	FF	102	590.57	-82.8%	170.45	-40.4%	220	405.34	-45.8%
WTS (ARGUS) VS WTI TRD MT	FH	71	78.91	-10.1%	0	-	39	31.86	21.3%
Energy Options									
BRENT 1 MONTH CAL	AA	0	0	-	0	-	0	17.75	-100.0%
BRENT CALENDAR SWAP	BA	35	42.17	-15.9%	0	-	23	33.82	-32.9%
BRENT CRUDE OIL 12 M CSO	9Y	0	0	-	0	-	0	11.83	-100.0%
BRENT CRUDE OIL 1 M CSO	9C	0	500	-100.0%	115.45	-100.0%	209	2,283.07	-90.8%
BRENT CRUDE OIL 6 M CSO	9L	0	0	-	0	-	0	5.92	-100.0%
BRENT OIL LAST DAY	BE	746	543.61	37.2%	1,111.82	-32.9%	1,867	1,543.86	20.9%

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Energy Options									
BRENT OIL LAST DAY	BZO	3,796	5,352.96	-29.1%	3,406.27	11.4%	4,691	6,177.78	-24.1%
BRENT OIL LAST DAY	OS	0	4.35	-100.0%	0	-	0	7.04	-100.0%
COAL API2 INDEX	CLA	0	20	-100.0%	2.27	-100.0%	1	31.75	-96.1%
COAL API2 INDEX	CQA	5	6.52	-30.3%	6.82	-33.3%	5	20.44	-77.9%
COAL API4 INDEX	RLA	0	0	-	0	-	0	0.15	-100.0%
COAL API4 INDEX	RQA	0	0	-	0	-	0	0.36	-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	10,053	5,001.3	101.0%	11,405.68	-11.9%	11,152	10,165.92	9.7%
CRUDE OIL APO	AO	1,481	1,379.91	7.3%	1,643.09	-9.8%	2,249	2,198.24	2.3%
CRUDE OIL CALNDR STRIP	6F	0	0	-	0	-	1	1.01	18.3%
CRUDE OIL OUTRIGHTS	AH	0	0	-	0	-	0	0	-
CRUDE OIL OUTRIGHTS	WCI	0	0	-	0	-	6	0	-
CRUDE OIL PHY	CD	7	54.35	-87.5%	0	-	8	112.72	-93.1%
CRUDE OIL PHY	LC	384	521.09	-26.3%	423.41	-9.3%	494	468.28	5.6%
CRUDE OIL PHY	LO	133,764	127,668.91	4.8%	114,503.64	16.8%	129,498	166,697.88	-22.3%
CRUDE OIL PHY	LO1	399	597.26	-33.2%	691.82	-42.4%	722	656.12	10.0%
CRUDE OIL PHY	LO2	477	616.39	-22.6%	565.86	-15.7%	701	719.04	-2.5%
CRUDE OIL PHY	LO3	188	345.04	-45.6%	565.27	-66.8%	429	464.97	-7.8%
CRUDE OIL PHY	LO4	465	531.65	-12.6%	570.86	-18.6%	742	704.27	5.4%
CRUDE OIL PHY	LO5	448	643.09	-30.4%	0	-	286	294.11	-2.6%
ETHANOL	CE1	0	0	-	0	-	0	1.63	-100.0%
ETHANOL	CE3	0	0	-	0	-	0	0.89	-100.0%
ETHANOL SWAP	CVR	1,024	143.74	612.7%	717.86	42.7%	541	342.08	58.2%
ETHANOL SWAP	GVR	0	20.65	-100.0%	0	-	5	15.79	-70.6%
HEATING OIL PHY	LB	15	0	-	17.73	-16.7%	10	4.44	131.6%
HEATING OIL PHY	OH	1,159	1,034.52	12.0%	1,154.23	0.4%	1,365	1,417.18	-3.7%
HENRY HUB FINANCIAL LAST	E7	122	222.48	-45.4%	186.36	-34.8%	290	191.51	51.4%
HO 1 MONTH CLNDR OPTIONS	FA	0	0	-	0	-	13	0	-
LLS CRUDE OIL	WJO	0	0	-	0	-	0	0.59	-100.0%
LLS CRUDE OIL	YVO	0	0	-	0	-	0	0	-
MCCLOSKEY ARA ARG5 COAL	MTO	0	0	-	0	-	1	1.51	-48.7%
MCCLOSKEY RCH BAY COAL	MFO	2	0	-	9.09	-75.0%	5	11.27	-51.4%
NATURAL GAS 1 M CSO FIN	G4	6,552	1,332.39	391.8%	3,729.55	75.7%	2,580	1,694.24	52.3%
NATURAL GAS 2 M CSO FIN	G2	23	0	-	56.82	-60.0%	25	7.1	245.8%

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Energy Options									
NATURAL GAS 3 M CSO FIN	G3	2,698	239.13	1028.1%	1,575	71.3%	1,062	257.67	312.0%
NATURAL GAS 5 M CSO FIN	G5	23	0	-	0	-	10	15.09	-36.9%
NATURAL GAS 6 M CSO FIN	G6	252	73.91	241.3%	81.82	208.3%	244	419.82	-41.8%
NATURAL GAS OPTION ON CALENDAR STR	6J	164	43.48	276.4%	284.55	-42.5%	113	132	-14.5%
NATURAL GAS PHY	KD	335	797.09	-58.0%	145.95	129.6%	144	993.57	-85.5%
NATURAL GAS PHY	LN	62,897	65,718.91	-4.3%	69,810.55	-9.9%	67,926	80,783.53	-15.9%
NATURAL GAS PHY	ON	4,813	7,336.39	-34.4%	5,893.64	-18.3%	5,823	8,142.47	-28.5%
NATURAL GAS WINTER STRIP	6I	9	52.17	-82.6%	0	-	9	7.1	25.7%
N ROCKIES PIPE SWAP	ZR	25	30.78	-19.4%	43.64	-43.1%	22	10.53	104.8%
NY HARBOR HEAT OIL SWP	AT	68	86.91	-21.4%	21	225.3%	101	119.45	-15.4%
NYISO ZONE G 5MW PEAK OPTIONS	9U	0	0	-	0	-	0	0	-
PANHANDLE PIPE SWAP	PU	0	0	-	0	-	0	0	-
PETROCHEMICALS	4H	8	59.7	-87.4%	1.73	336.9%	28	29.67	-4.1%
PETROCHEMICALS	4J	0	0	-	0	-	1	7.99	-85.1%
PETROCHEMICALS	4K	0	52.17	-100.0%	0	-	1	19.53	-95.1%
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	-	5.45	-100.0%	1	0	-
PJM WES HUB PEAK CAL MTH	6OA	0	0.43	-100.0%	4.55	-100.0%	4	1.89	101.2%
PJM WES HUB PEAK CAL MTH	JOA	0	0	-	0	-	0	5.21	-100.0%
PJM WES HUB PEAK LMP 50MW	PMA	0	19.26	-100.0%	0	-	5	40.57	-87.7%
RBOB 1MO CAL SPD OPTIONS	ZA	0	0	-	0	-	1	4.14	-78.4%
RBOB CALENDAR SWAP	RA	0	0	-	5.45	-100.0%	2	5.71	-60.3%
RBOB CRACK	RX	0	0	-	0	-	0	0	-
RBOB PHY	OB	514	383.7	34.0%	527.27	-2.5%	751	546.22	37.4%
RBOB PHY	RF	0	0	-	27.27	-100.0%	10	0.74	1207.0%
ROTTERDAM 3.5%FUEL OIL CL	Q6	0	0	-	0	-	0	0	-
SAN JUAN PIPE SWAP	PJ	50	5.39	820.7%	27.45	80.8%	18	11.14	58.8%
SHORT TERM	C15	0	0	-	0	-	0	0	-
SHORT TERM	U11	0	0	-	20.45	-100.0%	4	7.31	-43.0%
SHORT TERM	U12	10	0	-	4.55	130.0%	6	4.94	24.1%
SHORT TERM	U13	0	13.04	-100.0%	0	-	1	2.37	-62.3%
SHORT TERM	U14	5	2.17	109.1%	0	-	1	5.11	-82.5%
SHORT TERM	U15	5	0.87	422.7%	15.91	-71.4%	8	4.72	60.9%
SHORT TERM	U22	0	1.3	-100.0%	0	-	0	7.22	-99.9%

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Commodity	ADV AUG 2019	ADV AUG 2018	% CHG	ADV JUL 2019	% CHG	ADV Y.T.D 2019	ADV Y.T.D 2018	% CHG	
Energy Options									
SHORT TERM	U23	5	13.17	-65.5%	0	-	1	5.31	-86.9%
SHORT TERM	U24	0	19.7	-100.0%	4.55	-100.0%	1	5.2	-71.4%
SHORT TERM	U25	0	0	-	0	-	0	0.6	-100.0%
SHORT TERM	U26	0	0	-	0	-	0	1.78	-100.0%
SHORT TERM NATURAL GAS	U01	0	0	-	0	-	3	2.07	50.9%
SHORT TERM NATURAL GAS	U02	8	0.13	6000.2%	0	-	1	8.57	-87.8%
SHORT TERM NATURAL GAS	U03	5	4.52	0.5%	9.09	-50.0%	4	8.46	-50.4%
SHORT TERM NATURAL GAS	U04	0	28.26	-100.0%	0	-	4	9.47	-62.3%
SHORT TERM NATURAL GAS	U05	2	0	-	0	-	1	4.79	-69.0%
SHORT TERM NATURAL GAS	U06	0	0	-	0	-	2	5.18	-53.4%
SHORT TERM NATURAL GAS	U07	2	0	-	0	-	4	9.47	-59.2%
SHORT TERM NATURAL GAS	U08	84	0.09	96556.2%	4.55	1750.0%	15	8.15	79.0%
SHORT TERM NATURAL GAS	U09	2	0	-	6.82	-66.7%	2	9.08	-80.3%
SHORT TERM NATURAL GAS	U10	0	8.7	-100.0%	11.36	-100.0%	1	6.8	-78.1%
SHORT TERM NATURAL GAS	U16	2	0	-	4.55	-50.0%	1	4.14	-64.1%
SHORT TERM NATURAL GAS	U17	0	0.13	-100.0%	6.82	-100.0%	1	13.59	-93.4%
SHORT TERM NATURAL GAS	U18	0	0	-	4.55	-100.0%	1	8.12	-90.8%
SHORT TERM NATURAL GAS	U19	5	0	-	0	-	1	1.32	-54.9%
SHORT TERM NATURAL GAS	U20	0	15.87	-100.0%	0	-	2	5.18	-65.5%
SHORT TERM NATURAL GAS	U21	0	0.43	-100.0%	0	-	0	2.15	-86.1%
SHORT TERM NATURAL GAS	U27	0	1.09	-100.0%	0	-	0	2.51	-100.0%
SHORT TERM NATURAL GAS	U28	0	0	-	0	-	3	0.59	327.5%
SHORT TERM NATURAL GAS	U29	5	0	-	0	-	1	2.72	-78.1%
SHORT TERM NATURAL GAS	U30	5	0	-	0	-	2	0.59	201.8%
SHORT TERM NATURAL GAS	U31	0	0.09	-100.0%	15.91	-100.0%	7	0.16	4372.6%
SINGAPORE GASOIL CALENDAR	M2	0	0	-	0	-	0	0	-
SINGAPORE JET FUEL CALENDAR	N2	0	0	-	0	-	0	0	-
WTI-BRENT BULLET SWAP	BV	4,452	870.87	411.2%	1,340.91	232.0%	2,643	4,377.5	-39.6%
WTI CRUDE OIL 1 M CSO FI	7A	2,083	2,067.39	0.8%	910.45	128.8%	2,566	3,527.51	-27.3%
Ag Products Futures									
COCOA TAS	CJ	0	0	-	0	-	0	0.03	60.8%
COTTON	TT	0	0.09	-47.7%	0.64	-92.9%	0	0.02	653.6%

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Commodity	ADV AUG 2019	ADV AUG 2018	% CHG	ADV JUL 2019	% CHG	ADV Y.T.D 2019	ADV Y.T.D 2018	% CHG
Ag Products Futures								
SUGAR 11	0	0	-	0	-	0	0.34	-82.7%
TOTAL FUTURES GROUP								
Ag Products Futures	0	0.09	-47.7%	0.64	-92.9%	0	0.4	-27.9%
Energy Futures	2,198,511	1,723,469.09	27.6%	1,960,519.09	12.1%	2,148,442	2,230,960.71	-3.7%
Metals Futures	756,824	558,462.65	35.5%	667,254.41	13.4%	575,934	619,397.83	-7.0%
TOTAL FUTURES	2,955,335	2,281,931.83	29.5%	2,627,774.14	12.5%	2,724,376.43	2,850,358.94	-4.4%
TOTAL OPTIONS GROUP								
Energy Options	239,677	224,529.65	6.7%	221,699.68	8.1%	239,481	295,921.25	-19.1%
Metals Options	128,239	67,654.78	89.5%	92,501.73	38.6%	80,726	58,168.12	38.8%
TOTAL OPTIONS	367,917	292,184.43	25.9%	314,201.41	17.1%	320,206.98	354,089.38	-9.6%
TOTAL COMBINED								
Metals	885,064	626,117.44	41.4%	759,756.14	16.5%	656,660	677,565.96	-3.1%
Energy	2,438,188	1,947,998.74	25.2%	2,182,218.77	11.7%	2,387,923	2,526,881.96	-5.5%
Ag Products	0	0.09	-47.7%	0.64	-92.9%	0	0.4	-27.9%
GRAND TOTAL	3,323,251	2,574,116.26	29.1%	2,941,975.55	13.0%	3,044,583.41	3,204,448.32	-5.0%