

## NYMEX/COMEX Exchange ADV Report - Monthly

July 2019

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Commodity		ADV JUL 2019	ADV JUL 2018	% CHG	ADV JUN 2019	% CHG	ADV Y.T.D 2019	ADV Y.T.D 2018	% CHG
<b>Metals Futures</b>									
COMEX GOLD	GC	431,379	344,341.38	25.3%	365,429.15	18.0%	315,109	353,275.96	-10.8%
NYMEX HOT ROLLED STEEL	HR	623	517.19	20.5%	701.55	-11.1%	858	457.6	87.6%
NYMEX PLATINUM	PL	20,190	18,738.9	7.7%	29,677.6	-32.0%	22,130	22,025.42	0.5%
PALLADIUM	PA	3,621	4,695.76	-22.9%	3,718.4	-2.6%	5,125	5,679.69	-9.8%
URANIUM	UX	14	24.81	-45.0%	61.7	-77.9%	64	13.45	377.8%
COMEX SILVER	SI	94,862	75,352.67	25.9%	132,561	-28.4%	88,104	99,872.17	-11.8%
COMEX E-Mini GOLD	QO	1,414	548.38	157.9%	1,236.75	14.4%	681	357.51	90.4%
COMEX E-Mini SILVER	QI	198	53.48	269.7%	276	-28.4%	181	58.67	207.9%
COMEX COPPER	HG	85,257	134,914.05	-36.8%	112,853.2	-24.5%	100,439	139,584.02	-28.0%
COMEX MINY COPPER	QC	32	17.14	86.4%	51.1	-37.5%	32	24.25	30.3%
ALUMINUM	A38	0	0	-	0	-	0	0	-
ALUMINUM	AEP	94	33.81	177.6%	18	421.5%	76	78.84	-3.3%
ALUMINUM	ALA	0	45.95	-100.0%	0	-	2	34.01	-95.2%
ALUMINUM	ALI	16	0	-	0	-	2	0	-
ALUMINUM	AUP	321	247.67	29.5%	81.65	292.7%	285	488.45	-41.6%
ALUMINUM	CUP	0	0	-	0	-	0	1.4	-100.0%
ALUMINUM	EDP	175	75.71	130.5%	42.5	310.7%	102	70.18	45.0%
ALUMINUM	MJP	122	24.76	392.0%	0	-	47	57.36	-17.9%
COPPER	HGS	6	0	-	4.75	21.5%	40	72.87	-44.8%
E-MICRO GOLD	MGC	27,667	6,031	358.7%	24,552.4	12.7%	14,229	6,210.25	129.1%
FERROUS PRODUCTS	BUS	30	35.43	-14.3%	65.85	-53.9%	57	76.71	-25.6%
Gold Kilo	GCK	0	0	-	0	-	0	0.93	-100.0%
IRON ORE 62 CHINA PLATTS FUTURES	PIO	0	0	-	0	-	0	0	-
IRON ORE 62 CHINA TSI FUTURES	TIO	174	230.57	-24.4%	187.75	-7.2%	292	187.47	55.7%
LNDN ZINC	ZNC	0	73.24	-100.0%	1.8	-100.0%	8	19.39	-56.6%
SILVER	SIL	1,059	316.43	234.8%	929	14.0%	814	350.6	132.1%

### Metals Options

COMEX COPPER	HX	2,252	1,673.33	34.6%	3,334.65	-32.5%	2,900	1,177.24	146.3%
COMEX GOLD	OG	70,297	44,139	59.3%	105,120.75	-33.1%	57,508	45,904.1	25.3%
COMEX SILVER	SO	11,353	6,856.14	65.6%	9,324.35	21.8%	7,195	7,316.22	-1.7%
COPPER	H1E	1	0.62	76.2%	0.75	45.5%	1	0.09	1100.6%
COPPER	H2E	4	2.24	76.7%	2.45	61.4%	3	0.37	650.1%
COPPER	H3E	0	0	-	1.2	-62.1%	1	0.03	1682.5%

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COPPER	H4E	0	3.81	-88.1%	2.6	-82.5%	1	0.79	-9.5%
COPPER	H5E	0	0	-	0	-	0	0	-
GOLD	OG1	3,337	733.19	355.1%	4,076.6	-18.1%	1,827	512.43	256.4%
GOLD	OG2	2,209	617.76	257.5%	2,004.05	10.2%	1,482	433.53	241.8%
GOLD	OG3	1,921	672.67	185.6%	1,547.1	24.2%	1,124	514.11	118.6%
GOLD	OG4	782	340.9	129.3%	2,122.85	-63.2%	810	292.23	177.1%
GOLD	OG5	0	0	-	0	-	196	105.31	86.4%
HOT ROLLED COIL STEEL CALL OPTION	HRO	14	0	-	0	-	6	0	-
IRON ORE 62 CHINA TSI CALL OPTION	ICT	0	0	-	0	-	46	1.37	3229.9%
IRON ORE 62 CHINA TSI PUT OPTION	ICT	0	0	-	0	-	25	8.77	181.3%
NYMEX PLATINUM	PO	52	321.71	-83.8%	235.95	-77.9%	172	194.29	-11.6%
PALLADIUM	PAO	21	97.86	-78.2%	85.6	-75.1%	60	145.36	-58.5%
SILVER	SO1	110	54.24	103.5%	156.7	-29.6%	73	16.06	352.5%
SILVER	SO2	89	27.67	220.0%	78.45	12.9%	52	12.28	326.7%
SILVER	SO3	39	71.76	-45.5%	49.7	-21.3%	50	22.42	122.8%
SILVER	SO4	21	13.05	59.9%	54.7	-61.9%	25	8.56	194.7%
SILVER	SO5	0	0	-	0	-	13	8.09	58.1%

### Energy Futures

CRUDE OIL PHY	CL	1,037,515	1,097,915.52	-5.5%	1,171,775.75	-11.5%	1,197,956	1,307,210.17	-8.4%
CRUDE OIL	WS	0	228.57	-100.0%	0	-	114	103.69	10.3%
MINY WTI CRUDE OIL	QM	25,011	19,197.67	30.3%	29,541.55	-15.3%	21,977	16,301.43	34.8%
BRENT OIL LAST DAY	BZ	91,245	78,620.33	16.1%	125,193.9	-27.1%	103,567	88,015.35	17.7%
HEATING OIL PHY	HO	140,103	158,391.19	-11.5%	168,542.3	-16.9%	159,709	188,697.36	-15.4%
HTG OIL	BH	2	1.71	27.3%	0	-	1	0.58	14.3%
MINY HTG OIL	QH	0	0.19	-28.4%	0.15	-9.1%	0	0.15	4.5%
RBOB PHY	RB	192,514	188,542.95	2.1%	213,507.65	-9.8%	213,838	197,734.57	8.1%
MINY RBOB GAS	QU	0	0.19	43.1%	0.35	-22.1%	0	0.16	87.0%
NATURAL GAS	HP	4,583	3,564.05	28.6%	5,818.25	-21.2%	5,249	5,607.25	-6.4%
LTD NAT GAS	HH	12,403	12,572.81	-1.4%	17,074.65	-27.4%	15,058	16,362.86	-8.0%
MINY NATURAL GAS	QG	1,522	879.05	73.1%	1,369.2	11.1%	1,309	1,274.12	2.8%
PJM MONTHLY	JM	0	0	-	0	-	0	0	-
NATURAL GAS PHY	NG	410,780	337,695.81	21.6%	417,210.5	-1.5%	369,513	422,486.27	-12.5%

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RBOB GAS	RT	1	1.71	-68.2%	0	-	0	98.45	-99.5%
3.5% FUEL OIL CID MED SWA	7D	0	0	-	0.25	-45.4%	1	3.1	-82.1%
3.5% FUEL OIL CIF BALMO S	8D	0	0	-	0	-	0	0.65	-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	114	570	-80.0%	295	-61.4%	498	1,178.77	-57.7%
ARGUS PROPAN FAR EST INDE	7E	247	186.57	32.6%	283.9	-12.8%	294	276.03	6.6%
ARGUS PROPAN(SAUDI ARAMCO	9N	115	96.38	18.9%	99.75	14.9%	136	117.47	16.1%
AUSTRIALIAN COKE COAL	ACT	0	0	-	0	-	0	0.14	-100.0%
AUSTRIALIAN COKE COAL	ALW	0	0	-	0	-	0	0	-
BRENT BALMO SWAP	J9	2	6.43	-64.6%	10	-77.3%	7	1.27	420.6%
BRENT CALENDAR SWAP	CY	556	79.48	599.1%	611.55	-9.1%	331	171.18	93.2%
BRENT CFD SWAP	6W	0	0	-	0	-	0	2.05	-100.0%
BRENT FINANCIAL FUTURES	BB	0	0	-	0	-	48	90.85	-47.2%
BRENT FINANCIAL FUTURES	MBC	11	6.05	78.1%	0	-	2	0.87	151.2%
BRENT FINANCIAL FUTURES	MDB	0	0	-	0	-	0	1.53	-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	0.25	-100.0%
CHICAGO ETHANOL SWAP	CU	4,374	3,188.24	37.2%	4,842.15	-9.7%	5,134	4,741.34	8.3%
CHICAGO ULSD PL VS HO SPR	5C	17	26.19	-36.7%	33.6	-50.6%	29	17.36	66.3%
CHICAGO UNL GAS PL VS RBO	3C	11	5.95	87.1%	10	11.4%	8	5.14	49.3%
CIG BASIS	CI	0	0	-	0	-	0	1.34	-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	31	57.9	-46.0%	22.1	41.5%	27	60.25	-56.0%
CIN HUB 5MW REAL TIME O P	H4	0	0	-	0	-	27	0	-
CIN HUB 5MW REAL TIME PK	H3	0	10.95	-100.0%	0	-	2	1.58	41.3%
COAL SWAP	ACM	0	1.43	-100.0%	0	-	0	3.08	-100.0%
COLUMB GULF MAINLINE NG B	5Z	0	0	-	0	-	2	0	-
CONWAY NATURAL GASOLINE (OPIS) SWA	8L	2	4.24	-46.4%	3.75	-39.4%	8	9	-6.2%

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CONWAY NORMAL BUTANE (OPIS) SWAP	8M	15	9.95	53.0%	50.15	-69.6%	19	16.62	15.3%
CONWAY PROPANE 5 DECIMALS SWAP	8K	623	636.38	-2.2%	1,056.3	-41.1%	744	759.79	-2.0%
CRUDE OIL	LPS	95	245.24	-61.1%	120	-20.5%	136	232.57	-41.6%
CRUDE OIL OUTRIGHTS	42	2	11.57	-83.5%	20.7	-90.8%	21	12.31	69.8%
CRUDE OIL OUTRIGHTS	CC5	28	0	-	37.5	-24.7%	21	0	-
CRUDE OIL OUTRIGHTS	CPD	0	0	-	0	-	0	20.25	-100.0%
CRUDE OIL OUTRIGHTS	CSW	0	0	-	26.5	-100.0%	20	0.03	58379.5%
CRUDE OIL OUTRIGHTS	DBL	0	0	-	20	-100.0%	3	0.68	304.0%
CRUDE OIL OUTRIGHTS	GSW	0	0	-	0	-	2	0.72	162.8%
CRUDE OIL OUTRIGHTS	HTT	2,907	1,915.48	51.7%	2,407.05	20.8%	2,875	2,550.81	12.7%
CRUDE OIL OUTRIGHTS	LSW	0	0	-	9	-100.0%	21	1.99	982.1%
CRUDE OIL OUTRIGHTS	SSW	0	0	-	0	-	0	0	-
CRUDE OIL OUTRIGHTS	UMD	0	0	-	0	-	0	32.88	-100.0%
CRUDE OIL OUTRIGHTS	UNS	0	0	-	0	-	0	51.74	-100.0%
CRUDE OIL OUTRIGHTS	WCC	0	0	-	0	-	0	0	-
CRUDE OIL OUTRIGHTS	WCW	70	131.33	-46.9%	176.5	-60.5%	221	369.52	-40.1%
CRUDE OIL PHY	CLL	0	0	-	0	-	0	0	-
CRUDE OIL PHY	HCL	583	0	-	636.95	-8.4%	981	0	-
CRUDE OIL SPRDS	38	0	0	-	0	-	0	14.08	-100.0%
CRUDE OIL SPRDS	HIL	0	0	-	0	-	5	0	-
CRUDE OIL SPRDS	WTT	1,363	1,415.52	-3.7%	1,140.5	19.5%	1,139	2,352.85	-51.6%
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	4.05	-100.0%	0	-	7	21.47	-68.1%

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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	0.86	-100.0%
DUBAI CRUDE OIL BALMO	BI	0	0	-	0	-	0	0.86	-100.0%
DUBAI CRUDE OIL CALENDAR	DC	22	98.81	-77.5%	58.75	-62.1%	120	96.08	25.0%
DUTCH TTF NATURAL GAS CAL MONTH FUT	TTF	789	22.95	3338.9%	210.85	274.4%	406	49.18	725.1%
EASTERN RAIL DELIVERY CSX	QX	0	0.71	-100.0%	0	-	0	1.68	-100.0%
EAST/WEST FUEL OIL SPREAD	EW	0	1.43	-68.2%	0.5	-9.1%	0	1.28	-89.3%
EIA FLAT TAX ONHWAY DIESE	A5	18	1.48	1097.8%	34.3	-48.4%	18	10.14	78.5%
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	134.25	-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	13.36	-100.0%
ERCOT NORTH ZMCPE 5MW OFFPEAK	I8	0	0	-	0	-	0	0	-
ERCOT NORTH ZMCPE 5MW OFFPEAK SWA	I6	0	0	-	0	-	0	134.25	-100.0%
ERCOT NORTH ZMCPE 5MW PEAK	I5	0	0	-	0	-	0	34.59	-100.0%
ETHANOL	MTH	0	0	-	0	-	0	0	-
ETHANOL	Z1B	0	0	-	0	-	0	0	-
ETHANOL SWAP	MT2	0	5.71	-92.0%	0	-	4	1.71	112.0%
ETHANOL T2 FOB ROTT INCL DUTY SWAP	Z1	85	111.38	-23.3%	110.35	-22.6%	161	141.16	13.9%
EURO 1% FUEL OIL NEW BALM	KX	0	0	-	0	-	0	0.16	-87.0%
EURO 3.5% FUEL OIL RDAM B	KR	3	33.38	-90.2%	0.3	990.9%	2	32.26	-93.8%
EURO 3.5% FUEL OIL SPREAD	FK	1	0.81	-32.6%	0.75	-27.3%	1	4.86	-79.3%
EURO-DENOMINATED PETRO PROD	NCP	0	0	-	0	-	0	0	-
EURO GASOIL 10PPM VS ICE	ET	0	0	-	0	-	0	2.53	-100.0%
EUROPE 1% FUEL OIL NWE CA	UF	0	2.29	-100.0%	0.3	-100.0%	3	2.51	23.0%
EUROPE 1% FUEL OIL RDAM C	UH	0	0	-	0	-	0	0.02	-100.0%
EUROPE 3.5% FUEL OIL MED	UI	1	0.1	568.5%	0.25	154.6%	3	4.61	-45.5%

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EUROPE 3.5% FUEL OIL RDM	UV	17	366.52	-95.3%	30.2	-42.8%	50	440.64	-88.7%
EUROPEAN GASOIL (ICE)	7F	5	15.14	-70.0%	7.8	-41.7%	5	22.72	-77.9%
EUROPEAN NAPHTHA BALMO	KZ	8	19.52	-57.9%	7.95	3.5%	9	13.78	-33.6%
EUROPEAN NAPHTHA CRACK SPR	EN	97	377.38	-74.4%	215	-55.1%	221	435.55	-49.3%
EUROPE DATED BRENT SWAP	UB	0	0	-	28.75	-100.0%	11	0	-
EUROPE JET KERO NWE CALSW	UJ	0	0.29	-100.0%	0	-	0	0.14	-76.2%
EUROPE NAPHTHA CALSWAP	UN	76	194.29	-60.6%	62.3	22.7%	102	161.16	-36.7%
EURO PROPANE CIF ARA SWA	PS	77	56.62	36.7%	96.05	-19.4%	95	85.73	10.6%
FREIGHT MARKETS	FLP	16	8.43	94.7%	5.5	198.3%	8	5.38	45.6%
FREIGHT MARKETS	FRC	10	0	-	14.5	-27.9%	8	3.7	107.4%
FREIGHT MARKETS	FRS	0	0	-	3.5	-100.0%	0	0	-
FREIGHT MARKETS	T2D	25	15.71	57.6%	38.25	-35.2%	28	13.27	111.6%
FREIGHT MARKETS	TC6	0	0	-	0	-	0	1.64	-100.0%
FREIGHT MARKETS	TD3	3	1.43	122.7%	0	-	1	0.21	366.6%
FREIGHT MARKETS	TD8	0	0	-	0	-	0	0	-
FREIGHT MARKETS	USC	3	0	-	0	-	0	0	-
FUEL OIL CRACK VS ICE	FO	55	110.1	-49.9%	55	0.3%	76	208.54	-63.3%
FUEL OIL NWE CRACK VS ICE	FI	0	0	-	0	-	0	1.17	-91.2%
FUEL OIL (PLATS) CAR CM	1W	0	0	-	0.3	-100.0%	0	1.05	-96.1%
FUEL OIL (PLATS) CAR CN	1X	0	2.29	-100.0%	0	-	0	0.82	-100.0%
FUELOIL SWAP:CARGOES VS.B	FS	2	9.67	-83.1%	9.2	-82.2%	10	11.73	-17.3%
GAS EURO-BOB OXY NWE BARGES	7H	132	343.29	-61.6%	221.4	-40.4%	293	381.29	-23.0%
GAS EURO-BOB OXY NWE BARGES CRK	7K	240	626.33	-61.7%	367.9	-34.8%	432	956.01	-54.8%
GASOIL 0.1CIF MED VS ICE	Z5	0	0	-	0	-	0	0.07	-100.0%
GASOIL 0.1 CIF NWE VS ISE	TU	0	0	-	0	-	0	0	-
GASOIL 0.1 RDM BRGS VS I	WQ	0	0	-	0.3	-100.0%	0	0.03	320.5%
GASOIL 0.1 ROTTERDAM BARG	VL	0	4.52	-100.0%	0	-	1	8.6	-91.8%
GASOIL 10PPM VS ICE SWAP	TP	0	0	-	0	-	0	0.08	224.9%
GASOIL CALENDAR SWAP	GX	1	0	-	0.6	-9.1%	1	0.33	87.5%
GASOIL CRACK SPREAD CALEN	GZ	44	72.57	-39.9%	163.6	-73.3%	34	224.11	-84.7%
GASOIL MINI CALENDAR SWAP	QA	19	18.29	6.1%	13.3	45.9%	12	8.7	33.7%
GERMAN POWER BASELOAD CAL MONTH F	DEB	234	0	-	43.35	439.3%	119	14.22	739.8%
GROUP THREE ULSD (PLATTS)	A7	0	0	-	0	-	0	1.27	-100.0%
GROUP THREE UNLEAD GAS (P	A9	0	0	-	0	-	0	2.91	-100.0%
GRP THREE ULSD(PLT)VS HEA	A6	211	98.1	115.4%	145.05	45.7%	171	170.12	0.6%
GRP THREE UNL GS (PLT) VS	A8	82	102.86	-20.0%	55	49.6%	136	94.47	43.7%

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<b>Energy Futures</b>									
GULF COAST 3% FUEL OIL BA	VZ	37	87.9	-58.2%	19.45	89.1%	34	71.82	-52.9%
GULF COAST JET FUEL CLNDR	GE	0	2.86	-100.0%	0	-	2	6.27	-70.8%
GULF COAST JET VS NYM 2 H	ME	925	1,315.62	-29.7%	1,200.8	-22.9%	1,044	1,860.74	-43.9%
GULF COAST NO.6 FUEL OIL	MF	832	2,269.76	-63.3%	946.25	-12.0%	1,133	2,917.82	-61.2%
GULF COAST NO.6 FUEL OIL	MG	7	39.76	-81.7%	15.25	-52.3%	10	98.24	-89.6%
GULF COAST ULSD CALENDAR	LY	13	4.67	169.8%	37.6	-66.5%	19	12.4	57.0%
GULF COAST ULSD CRACK SPR	GY	0	0	-	0	-	0	8.87	-100.0%
HEATING OIL BALMO CLNDR S	1G	2	0	-	24	-92.4%	4	1.53	153.4%
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	54	0	-	93	-42.4%	85	50.9	67.2%
HENRY HUB FINANCIAL LAST	NBP	0	189.29	-100.0%	0	-	0	123.6	-100.0%
HENRY HUB FINANCIAL LAST	TTE	0	3.29	-100.0%	0	-	0	5.32	-100.0%
HENRY HUB INDEX SWAP FUTU	IN	54	0	-	93	-42.4%	85	50.9	67.2%
HENRY HUB SWAP	NN	3,404	9,641	-64.7%	4,868.4	-30.1%	5,338	8,301.88	-35.7%
HOUSTON SHIP CHANNEL BASI	NH	0	0	-	0	-	5	0	-
ICE BRENT DUBAI SWAP	DB	194	373.81	-48.0%	444	-56.2%	268	489.71	-45.3%
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	25	11.43	118.7%	11.75	112.8%	19	5.31	256.1%
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	-	0	-	1	11.57	-90.0%
JAPAN C&F NAPHTHA SWAP	JA	37	97	-61.4%	37.95	-1.3%	59	102.69	-42.1%
JAPAN NAPHTHA BALMO SWAP	E6	0	8.81	-94.8%	0.15	203.0%	2	2.75	-27.9%
JET AV FUEL (P) CAR FM ICE GAS SWAP	1V	0	0	-	0	-	0	0.03	-100.0%
JET CIF NWE VS ICE	JC	0	6.57	-100.0%	0	-	0	4.32	-88.9%
JET FUEL UP-DOWN BALMO CL	1M	223	162.86	37.2%	253.2	-11.8%	214	289.43	-25.9%
JKM LNG Futures	JKM	80	98.33	-18.6%	12	566.7%	75	48.01	56.6%
LA CARB DIESEL (OPIS) SWA	KL	0	36.9	-100.0%	1.5	-100.0%	2	17.29	-87.1%
LA CARBOB GASOLINE(OPIS)S	JL	17	7.14	138.6%	15	13.6%	18	27.91	-34.4%
LA JET (OPIS) SWAP	JS	65	53.1	22.0%	75.5	-14.2%	64	111.34	-42.8%
LLS (ARGUS) CALENDAR SWAP	XA	0	0	-	0	-	0	0	-

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<b>Energy Futures</b>									
LLS (ARGUS) VS WTI SWAP	WJ	49	120.48	-59.3%	38	29.2%	113	304.25	-62.8%
LOS ANGELES CARB GASOLINE	MH	0	0	-	0	-	0	0	-
MARS (ARGUS) VS WTI SWAP	YX	65	7.14	816.4%	80.75	-18.9%	88	128.08	-31.4%
MARS (ARGUS) VS WTI TRD M	YV	554	293.57	88.8%	937.6	-40.9%	901	1,175.58	-23.3%
MARS BLEND CRUDE OIL	MB	0	9.52	-100.0%	0	-	0	15.88	-100.0%
MCCLOSKEY ARA ARGS COAL	MTF	1,598	1,015.24	57.4%	1,784.1	-10.4%	1,442	1,191.97	21.0%
MCCLOSKEY RCH BAY COAL	MFF	105	143.48	-26.8%	133.9	-21.5%	118	163.54	-27.7%
MGF FUT	MGF	0	0	-	0	-	0	0.89	-100.0%
MGN1 SWAP FUT	MGN	0	1.43	-68.2%	6	-92.4%	2	3.65	-32.5%
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	26.29	-80.3%	11.15	-53.5%	9	18.4	-50.0%
MINI RBOB V. EBOBARG NWE BRGS BALMO	MXR	0	40.52	-100.0%	28	-100.0%	24	18.22	31.6%
MINI RBOB V. EBOB(ARGUS) NWE BRGS	MXB	93	76.86	20.8%	119.05	-22.0%	116	78.49	47.3%
MJC FUT	MJC	0	2.38	-100.0%	0	-	1	8.53	-88.0%
MNC FUT	MNC	147	180.57	-18.6%	195.2	-24.7%	196	179.57	9.2%
MONT BELVIEU ETHANE 5 DECIMAL	C0	950	548.14	73.4%	923.65	2.9%	721	722.53	-0.2%
MONT BELVIEU ETHANE OPIS BALMO	8C	7	14.29	-50.7%	11.25	-37.4%	8	7.95	5.1%
MONT BELVIEU LDH PROPANE 5 DECIMAL	B0	7,380	4,475.67	64.9%	7,533.65	-2.0%	6,935	5,837.12	18.8%
MONT BELVIEU LDH PROPANE OPIS BALM	8O	75	117.71	-36.2%	176	-57.3%	151	141.27	7.0%
MONT BELVIEU NATURAL GASOLINE 5 DEC	7Q	416	215.62	93.0%	340.35	22.3%	389	402.76	-3.3%
MONT BELVIEU NATURAL GASOLINE BALM	R0	39	10.24	284.0%	46.75	-15.9%	32	19.48	66.1%
MONT BELVIEU NORMAL BUTANE 5 DECIM	D0	2,326	1,882.38	23.6%	2,767.05	-15.9%	2,151	1,546.55	39.1%
MONT BELVIEU NORMAL BUTANE BALMO	8J	46	108.76	-57.8%	25.7	78.6%	63	51.34	22.0%
NAT GAS BASIS SWAP	TZ6	0	0	-	0	-	0	0	-
NATURAL GAS	XIC	0	0	-	0	-	0	0	-
NATURAL GAS PEN SWP	NP	956	1,017.14	-6.0%	1,685.15	-43.3%	1,388	1,710.32	-18.9%
NEPOOL CNCTCT 5MW D AH O	P3	0	0	-	0	-	0	0	-
NEPOOL CONECTIC 5MW D AH	P2	0	0	-	0	-	0	0	-
NEPOOL INTR HUB 5MW D AH	H2	0	0	-	0	-	113	544.66	-79.2%
NEPOOL INTR HUB 5MW D AH	U6	0	0	-	0	-	0	29.97	-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	-



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<b>Energy Futures</b>									
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	42	21.43	96.2%	53.85	-21.9%	37	66	-43.5%
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	-	8	2.74	210.0%
NGPL TEX/OK	PD	0	0	-	0	-	18	156.41	-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	4.52	-100.0%	0	-	5	14.78	-68.7%
NORTHERN NATURAL GAS DEMAR	PE	0	0	-	0	-	0	0	-
NORTHERN NATURAL GAS VENTU	PF	0	0	-	0	-	0	0.68	-100.0%
NORTHWEST ROCKIES BASIS S	NR	0	0	-	0	-	21	0	-
N ROCKIES PIPE SWAP	XR	0	0	-	0	-	0	0	-
NY1% VS GC SPREAD SWAP	VR	22	91.33	-75.7%	9	146.5%	22	86.01	-75.0%
NY 3.0% FUEL OIL (PLATTS	H1	0	9.52	-100.0%	0	-	5	8.22	-35.4%
NY HARBOR 1% FUEL OIL BAL	VK	1	0	-	0	-	0	0	-
NY HARBOR HEAT OIL SWP	MP	23	95.19	-76.2%	117.85	-80.8%	106	71.34	48.6%
NY HARBOR LOW SULPUR GAS 1000MBBL	NLS	0	0	-	0	-	3	18.46	-85.5%
NY HARBOR RESIDUAL FUEL 1	MM	23	42.24	-46.0%	21.35	6.9%	38	55.99	-32.9%
NY HARBOR RESIDUAL FUEL C	ML	0	0	-	0	-	0	0	-
NYH NO 2 CRACK SPREAD CAL	HK	0	17.14	-100.0%	31.5	-100.0%	15	50.05	-69.4%
NYISO CAPACITY	LHV	0	3.71	-100.0%	0	-	2	1.68	-2.4%
NYISO CAPACITY	NNC	0	2.76	-100.0%	0	-	0	3.18	-100.0%
NYISO CAPACITY	NRS	0	0.86	-100.0%	0	-	0	1.47	-72.1%
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	0	0	-	0	-	318	3,962.56	-92.0%
NYISO ZONE G 5MW D AH PK	T3	290	0	-	0	-	56	125.23	-55.3%
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	-	10	0	-

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<b>Energy Futures</b>									
NY ULSD (ARGUS) VS HEATING OIL	7Y	4	3.76	-7.0%	8.85	-60.5%	10	1.46	601.9%
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	0.07	-100.0%
ONTARIO POWER SWAPS	OPM	0	0	-	0	-	1	0	-
PANHANDLE BASIS SWAP FUTU	PH	0	0	-	0	-	0	1.88	-100.0%
PANHANDLE PIPE SWAP	XH	0	0	-	0	-	0	0	-
PERMIAN BASIS SWAP	PM	0	0	-	0	-	0	0	-
PETROCHEMICALS	22	8	8.38	-2.9%	5.05	61.1%	8	7.64	4.5%
PETROCHEMICALS	32	6	3.05	96.9%	5.95	0.8%	5	8.05	-32.7%
PETROCHEMICALS	3NA	0	0	-	0.7	-87.0%	0	0	-
PETROCHEMICALS	51	3	0	-	0	-	1	0.16	234.9%
PETROCHEMICALS	8I	16	28.67	-42.9%	36.25	-54.9%	28	38.63	-28.4%
PETROCHEMICALS	91	17	10.57	59.1%	18.6	-9.6%	22	20.16	8.9%
PETROCHEMICALS	MAA	1	0	-	7.5	-81.8%	2	0.34	459.9%
PETROCHEMICALS	MAE	35	14.19	146.3%	22.8	53.3%	16	9.44	69.7%
PETROCHEMICALS	MAS	13	5.24	138.6%	16.15	-22.6%	10	5.21	95.3%
PETROCHEMICALS	MBE	10	22.38	-57.3%	15	-36.4%	16	39.04	-58.0%
PETROCHEMICALS	MNB	19	69.24	-73.1%	14.35	29.9%	38	104.66	-63.4%
PETROCHEMICALS	MPS	5	4.29	14.5%	34.8	-85.9%	11	5.27	105.6%
PETRO CRCKS & SPRDS ASIA	JNC	0	0	-	0	-	0	0	-
PETRO CRCKS & SPRDS ASIA	STI	0	0	-	2.5	-100.0%	0	0	-
PETRO CRCKS & SPRDS ASIA	STR	0	0	-	0	-	0	0.68	-100.0%
PETRO CRCKS & SPRDS ASIA	STS	1	0.48	100.4%	1.25	-23.6%	2	3.49	-54.4%
PETRO CRCKS & SPRDS NA	CRB	325	99.52	226.6%	206.25	57.6%	320	63.15	406.1%
PETRO CRCKS & SPRDS NA	EXR	92	107	-14.1%	119.25	-23.0%	138	141.99	-2.6%
PETRO CRCKS & SPRDS NA	FOC	32	0	-	7.5	324.2%	22	36.82	-40.1%
PETRO CRCKS & SPRDS NA	GBB	52	74.76	-30.1%	22.4	133.4%	34	59.83	-43.1%
PETRO CRCKS & SPRDS NA	GCC	0	7.14	-100.0%	0	-	0	11.92	-100.0%
PETRO CRCKS & SPRDS NA	GCI	22	72.57	-70.2%	104.05	-79.2%	66	70.99	-6.5%
PETRO CRCKS & SPRDS NA	GCM	0	0	-	0	-	0	0.97	-100.0%
PETRO CRCKS & SPRDS NA	GCU	215	396.1	-45.8%	88.7	142.0%	163	642.36	-74.7%
PETRO CRCKS & SPRDS NA	GFC	0	0.71	-100.0%	0	-	1	0.27	150.0%
PETRO CRCKS & SPRDS NA	HOB	5	2.86	75.0%	179.1	-97.2%	59	47.54	24.5%
PETRO CRCKS & SPRDS NA	MFR	0	0	-	0	-	0	0	-
PETRO CRCKS & SPRDS NA	NFG	0	0	-	0	-	0	0.34	-100.0%

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<b>Energy Futures</b>									
PETRO CRCKS & SPRDS NA	NYF	3	0	-	0	-	1	0	-
PETRO CRCKS & SPRDS NA	RBB	99	172.19	-42.4%	360.05	-72.5%	394	263.14	49.8%
PETRO CRCKS & SPRDS NA	RVG	537	574.14	-6.5%	720.25	-25.5%	699	848.61	-17.6%
PETRO CRCKS & SPRDS NA	SF3	5	1.57	192.2%	3.5	31.2%	5	2.2	116.2%
PETRO CRK&SPRD EURO	1NB	34	101.62	-66.9%	18.75	79.2%	65	92.45	-30.1%
PETRO CRK&SPRD EURO	1ND	0	0	-	0	-	0	0.68	-100.0%
PETRO CRK&SPRD EURO	43	0	20.71	-99.3%	1.35	-89.9%	1	18.96	-94.4%
PETRO CRK&SPRD EURO	BFR	0	0	-	0	-	0	0	-
PETRO CRK&SPRD EURO	BOB	5	57.95	-91.8%	20.8	-77.1%	21	91.23	-76.7%
PETRO CRK&SPRD EURO	EOB	0	0.43	-15.2%	0	-	0	1.29	-87.8%
PETRO CRK&SPRD EURO	EPN	27	33.71	-18.8%	27.15	0.8%	28	45.73	-37.9%
PETRO CRK&SPRD EURO	EVC	33	107.1	-69.1%	7.5	341.2%	21	112.75	-81.4%
PETRO CRK&SPRD EURO	FBT	0	0	-	0	-	0	0	-
PETRO CRK&SPRD EURO	FVB	0	0	-	0	-	0	0.21	-100.0%
PETRO CRK&SPRD EURO	GCB	6	0	-	0	-	3	4.66	-38.7%
PETRO CRK&SPRD EURO	GOC	0	0	-	0	-	0	0.58	-100.0%
PETRO CRK&SPRD EURO	MGB	0	0	-	0	-	1	0.55	50.0%
PETRO CRK&SPRD EURO	MUD	0	0	-	3	-84.9%	1	1.12	-50.9%
PETRO CRK&SPRD EURO	NBB	0	0.48	-100.0%	0	-	0	0.9	-56.1%
PETRO CRK&SPRD EURO	NOB	12	70.86	-83.6%	12.2	-5.0%	22	79.08	-72.5%
PETRO CRK&SPRD EURO	SFB	0	0.71	-100.0%	0	-	0	0.86	-59.2%
PETROLEUM PRODUCTS	1NM	5	0	-	5	0.0%	4	0	-
PETROLEUM PRODUCTS	EWG	49	188.19	-74.0%	99.7	-51.0%	133	214.51	-38.0%
PETROLEUM PRODUCTS	JCC	0	0	-	0	-	0	0	-
PETROLEUM PRODUCTS	MME	0	0	-	0	-	0	0.21	-100.0%
PETROLEUM PRODUCTS	MPE	0	0	-	0	-	0	0	-
PETROLEUM PRODUCTS	R5F	0	0	-	0	-	0	0	-
PETROLEUM PRODUCTS	VU	2	5.52	-58.9%	0	-	2	7.15	-77.5%
PETROLEUM PRODUCTS ASIA	E6M	0	7.14	-100.0%	0.9	-100.0%	0	3.86	-87.9%
PETROLEUM PRODUCTS ASIA	MJN	79	62.29	26.3%	76.5	2.9%	80	95.13	-15.4%
PETRO OUTRIGHT EURO	OB	0	0.95	-52.3%	3	-84.9%	1	0.58	100.0%
PETRO OUTRIGHT EURO	OC	0	0	-	0	-	0	0	-
PETRO OUTRIGHT EURO	OD	62	56.52	9.9%	73.2	-15.1%	68	66.75	2.1%
PETRO OUTRIGHT EURO	OE	1	1.43	-36.4%	0.25	263.6%	1	1.34	-61.0%
PETRO OUTRIGHT EURO	OF	15	16.81	-8.6%	11.35	35.4%	18	28.01	-34.4%
PETRO OUTRIGHT EURO	1T	0	0.29	-100.0%	0	-	0	0.14	-76.2%

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Commodity		ADV JUL 2019	ADV JUL 2018	% CHG	ADV JUN 2019	% CHG	ADV Y.T.D 2019	ADV Y.T.D 2018	% CHG
<b>Energy Futures</b>									
PETRO OUTRIGHT EURO	33	0	0	-	0	-	0	0	-
PETRO OUTRIGHT EURO	5L	0	0.48	-100.0%	0.5	-100.0%	1	1.47	-5.1%
PETRO OUTRIGHT EURO	63	0	1.19	-100.0%	0.5	-100.0%	0	1.14	-91.0%
PETRO OUTRIGHT EURO	7I	2	5.71	-60.2%	3.75	-39.4%	4	3.99	10.7%
PETRO OUTRIGHT EURO	7R	2	11.24	-82.2%	2.55	-21.6%	8	14.67	-47.5%
PETRO OUTRIGHT EURO	88	1	0	-	0	-	0	0.72	-76.2%
PETRO OUTRIGHT EURO	CBB	0	0	-	0	-	0	0.38	-100.0%
PETRO OUTRIGHT EURO	CGB	0	0	-	0	-	0	0	-
PETRO OUTRIGHT EURO	CPB	6	0.48	1207.7%	14.4	-56.8%	12	20.61	-40.9%
PETRO OUTRIGHT EURO	EFF	0	0	-	0.3	-100.0%	1	0.69	14.8%
PETRO OUTRIGHT EURO	EFM	0	0	-	0.3	-100.0%	0	0	-
PETRO OUTRIGHT EURO	ENS	0	0	-	1.8	-100.0%	1	0.45	101.5%
PETRO OUTRIGHT EURO	EWN	9	31.67	-70.1%	19	-50.2%	26	33.2	-21.0%
PETRO OUTRIGHT EURO	FLB	0	0	-	0	-	0	0	-
PETRO OUTRIGHT EURO	GES	0	0	-	0	-	0	0	-
PETRO OUTRIGHT EURO	H5G	3	0	-	0	-	1	0	-
PETRO OUTRIGHT EURO	MBB	0	0.48	-100.0%	0	-	0	1.17	-100.0%
PETRO OUTRIGHT EURO	MBN	11	11.9	-8.4%	10.8	1.0%	16	54.58	-71.1%
PETRO OUTRIGHT EURO	MEF	10	0	-	17.6	-41.4%	16	0	-
PETRO OUTRIGHT EURO	R53	0	0	-	1.2	-77.3%	0	0	-
PETRO OUTRIGHT EURO	R5M	3	0	-	9.15	-64.7%	4	0	-
PETRO OUTRIGHT EURO	R5O	0	0	-	0.5	-54.5%	1	0	-
PETRO OUTRIGHT EURO	S5M	6	0	-	2.6	120.3%	2	0	-
PETRO OUTRIGHT EURO	SMU	23	0	-	0	-	4	2.25	90.5%
PETRO OUTRIGHT EURO	T0	0	0	-	0	-	0	0.06	-100.0%
PETRO OUTRIGHT EURO	T2B	0	0	-	0	-	0	0	-
PETRO OUTRIGHT EURO	V0	0	0	-	0	-	0	6.71	-100.0%
PETRO OUTRIGHT EURO	X0	0	0	-	0	-	0	0	-
PETRO OUTRIGHT NA	FCB	10	2.71	285.2%	1.6	553.4%	3	3.84	-23.9%
PETRO OUTRIGHT NA	FOM	0	0	-	0	-	0	0	-
PETRO OUTRIGHT NA	JE	0	0	-	3	-100.0%	0	0.47	-13.0%
PETRO OUTRIGHT NA	JET	110	78.57	40.3%	144	-23.5%	124	101.92	21.5%
PETRO OUTRIGHT NA	JTB	43	29.76	45.1%	6.25	590.9%	36	25.41	42.2%
PETRO OUTRIGHT NA	MBL	0	0	-	0	-	0	0.27	-100.0%
PETRO OUTRIGHT NA	MEN	3	24.62	-87.4%	11.8	-73.8%	9	20.09	-55.1%
PETRO OUTRIGHT NA	MEO	149	172.29	-13.8%	108.8	36.6%	130	188.77	-31.3%

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<b>Energy Futures</b>									
PETRO OUTRIGHT NA	MFD	0	0	-	14.25	-96.8%	2	0.68	195.0%
PETRO OUTRIGHT NA	MMF	3	0	-	4.2	-29.7%	5	0.38	1121.8%
PETRO OUTRIGHT NA	XER	0	0	-	0	-	0	0	-
PJM AD HUB 5MW REAL TIME	V3	0	0	-	1,185	-100.0%	803	192	318.0%
PJM AD HUB 5MW REAL TIME	Z9	0	244.76	-100.0%	0	-	18	86.66	-79.8%
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	-	0	-	9	34.93	-74.8%
PJM NI HUB 5MW REAL TIME	B6	0	0	-	0	-	160	0	-
PJM NILL DA OFF-PEAK	L3	0	0	-	0	-	0	0	-
PJM NILL DA PEAK	N3	0	0	-	0	-	0	0.15	-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	537.05	-100.0%
PJM WESTHDA PEAK	J4	0	0	-	0	-	0	29.11	-100.0%
PJM WESTH RT OFF-PEAK	N9	0	0	-	1,185	-100.0%	323	2,013.7	-84.0%
PJM WESTH RT PEAK	L1	23	182.38	-87.2%	332.8	-93.0%	323	295.75	9.1%
PLASTICS	PGP	28	4.29	557.6%	21.75	29.6%	35	17.42	103.6%
PREMIUM UNLD 10P FOB MED	3G	2	15.52	-90.3%	1.5	0.0%	5	12.73	-58.4%
PREMIUM UNLEAD 10PPM FOB	8G	1	1.48	-53.8%	0	-	0	2.43	-90.7%
PREM UNL GAS 10PPM RDAM FOB BALMO	7N	0	0	-	0	-	0	0.55	-75.0%
PREM UNL GAS 10PPM RDAM FOB SWAP	7L	0	0.29	-100.0%	0	-	0	0.48	-57.1%
PROPANE NON-LDH MB (OPIS) BALMO SWP	1S	61	24.29	151.4%	74.1	-17.6%	76	25.28	200.0%
PROPANE NON-LDH MT. BEL (OPIS) SWP	1R	1,368	409.52	234.0%	811.65	68.5%	923	555.7	66.1%
RBOB CALENDAR SWAP	RL	186	482.43	-61.5%	283.55	-34.5%	303	273.92	10.4%
RBOB CRACK SPREAD	RM	25	45.71	-44.3%	76	-66.5%	60	62.69	-4.7%
RBOB CRACK SPREAD BALMO S	1E	0	0	-	0	-	0	0	-

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<b>Energy Futures</b>									
RBOB GASOLINE BALMO CLNDR	1D	37	17.81	109.5%	55.85	-33.2%	48	55.94	-13.8%
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	-	1	13.53	-96.2%
SAN JUAN BASIS SWAP	NJ	0	1.29	-100.0%	0	-	0	0.4	-100.0%
SAN JUAN PIPE SWAP	XX	0	0	-	0	-	0	2.47	-100.0%
SINGAPORE 180CST BALMO	BS	1	2.62	-74.0%	0.25	172.7%	1	2.67	-76.2%
SINGAPORE 380CST BALMO	BT	16	15.38	1.4%	1.3	1099.3%	4	10.45	-61.1%
SINGAPORE 380CST FUEL OIL	SE	120	380.76	-68.4%	164.65	-26.9%	150	423.03	-64.5%
SINGAPORE FUEL 180CST CAL	UA	12	38.67	-68.6%	12.65	-4.1%	14	45.58	-69.2%
SINGAPORE FUEL OIL SPREAD	SD	3	6.67	-48.9%	4.35	-21.6%	3	37.34	-92.0%
SINGAPORE GASOIL	MAF	111	0	-	75.4	47.2%	87	0	-
SINGAPORE GASOIL	MTB	1	2.19	-48.1%	3.05	-62.7%	2	2.91	-22.6%
SINGAPORE GASOIL	MTS	212	223.67	-5.4%	188.5	12.3%	181	232.75	-22.3%
SINGAPORE GASOIL	STZ	0	0	-	0	-	0	29.45	-100.0%
SINGAPORE GASOIL CALENDAR	GDH	0	0	-	0	-	0	0.34	-100.0%
SINGAPORE GASOIL CALENDAR	GDL	0	0	-	0	-	0	1.71	-100.0%
SINGAPORE GASOIL CALENDAR	GHS	12	0	-	0	-	2	0	-
SINGAPORE GASOIL CALENDAR	MGO	0	0	-	0	-	0	1.37	-100.0%
SINGAPORE GASOIL CALENDAR	MSG	12	0	-	5.25	122.5%	8	28.76	-70.8%
SINGAPORE GASOIL CALENDAR	SGG	0	0	-	0	-	0	2.23	-100.0%
SINGAPORE GASOIL SWAP	SG	41	114.29	-63.9%	55.45	-25.6%	51	199.34	-74.2%
SINGAPORE GASOIL VS ICE	GA	7	399.1	-98.3%	0	-	31	694.8	-95.6%
SINGAPORE JET KERO BALMO	BX	0	0	-	0	-	0	1.47	-100.0%
SINGAPORE JET KERO GASOIL	RK	0	190.48	-100.0%	0	-	1	197.57	-99.7%
SINGAPORE JET KEROSENE SW	KS	19	3.57	440.9%	44	-56.1%	29	48.39	-39.3%
SINGAPORE JET KERO VS. GASOIL BALMO	Z0	0	0	-	0	-	0	0.17	-100.0%
SINGAPORE MOGAS 92 UNLEADED BALMO	1P	2	29.52	-92.3%	2.5	-9.1%	10	21.8	-53.7%
SINGAPORE MOGAS 92 UNLEADED SWP	1N	267	538.1	-50.4%	244.6	9.0%	560	695.48	-19.5%
SINGAPORE NAPHTHA SWAP	SP	0	0	-	0	-	0	1.37	-100.0%
SING FUEL	MSD	0	0.71	-100.0%	0	-	0	0.65	-100.0%
SOUTH STAR TEX OKLHM KNS	8Z	0	0	-	0	-	0	0	-
Sumas Basis Swap	NK	0	0	-	0	-	0	0.62	-100.0%
TC2 ROTTERDAM TO USAC 37K	TM	25	0	-	15.7	58.1%	13	3.75	259.5%
TC5 RAS TANURA TO YOKOHAM	TH	24	0	-	10.3	133.9%	17	1.64	933.8%
TCO BASIS SWAP	TC	0	0	-	0	-	0	0	-

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<b>Energy Futures</b>									
TD3 MEG TO JAPAN 250K MT	TL	307	78.57	291.1%	313	-1.8%	240	45.34	428.4%
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	0.48	-100.0%	0	-	0	0.41	-66.7%
UK NBP NAT GAS CAL MTH FUT	UKG	7	302	-97.7%	0	-	23	269.7	-91.6%
ULSD 10PPM CIF MED VS ICE	Z7	0	0	-	0	-	0	0.1	-100.0%
ULSD UP-DOWN BALMO SWP	1L	230	194.29	18.6%	230	0.2%	258	243.32	5.9%
UP DOWN GC ULSD VS NMX HO	LT	1,264	1,186.52	6.5%	1,607.9	-21.4%	1,382	1,511.35	-8.5%
WAHA BASIS	NW	0	0	-	0	-	4	21.92	-79.7%
WESTERN RAIL DELIVERY PRB	QP	0	0.48	-100.0%	0	-	0	0.17	-100.0%
WTI-BRENT BULLET SWAP	BY	25	0	-	0	-	10	45.55	-78.7%
WTI-BRENT CALENDAR SWAP	BK	1,648	1,175.57	40.2%	1,947.45	-15.4%	1,755	1,619.96	8.3%
WTI CALENDAR	CS	1,675	1,124.43	49.0%	1,418.35	18.1%	2,038	1,565.88	30.2%
WTS (ARGUS) VS WTI SWAP	FF	170	317.24	-46.3%	204.5	-16.6%	237	376.16	-36.9%
WTS (ARGUS) VS WTI TRD MT	FH	0	77.14	-100.0%	8.75	-100.0%	34	24.45	38.2%

### Energy Options

BRENT 1 MONTH CAL	AA	0	0	-	0	-	0	20.55	-100.0%
BRENT CALENDAR SWAP	BA	0	20.95	-100.0%	34.5	-100.0%	21	32.5	-36.1%
BRENT CRUDE OIL 12 M CSO	9Y	0	0	-	0	-	0	13.7	-100.0%
BRENT CRUDE OIL 1 M CSO	9C	115	133.33	-13.4%	75	53.9%	241	2,563.96	-90.6%
BRENT CRUDE OIL 6 M CSO	9L	0	0	-	0	-	0	6.85	-100.0%
BRENT OIL LAST DAY	BE	1,112	3,492.67	-68.2%	1,426	-22.0%	2,036	1,701.43	19.7%
BRENT OIL LAST DAY	BZO	3,406	8,415.33	-59.5%	5,030.1	-32.3%	4,826	6,307.72	-23.5%
BRENT OIL LAST DAY	OS	0	0	-	0	-	0	7.47	-100.0%
COAL API2 INDEX	CLA	2	32.38	-93.0%	1.25	81.8%	1	33.6	-95.7%
COAL API2 INDEX	CQA	7	20.24	-66.3%	0	-	5	22.64	-80.0%
COAL API4 INDEX	RLA	0	0	-	0	-	0	0.17	-100.0%
COAL API4 INDEX	RQA	0	0	-	0	-	0	0.41	-100.0%

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<b>Energy Options</b>									
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	11,406	11,471.43	-0.6%	4,587.5	148.6%	11,317	10,979.52	3.1%
CRUDE OIL APO	AO	1,643	654.38	151.1%	2,382.85	-31.0%	2,364	2,327.16	1.6%
CRUDE OIL CALNDR STRIP	6F	0	0	-	0	-	1	1.16	17.6%
CRUDE OIL OUTRIGHTS	AH	0	0	-	0	-	0	0	-
CRUDE OIL OUTRIGHTS	WCI	0	0	-	0	-	7	0	-
CRUDE OIL PHY	CD	0	8.33	-100.0%	0	-	8	121.92	-93.5%
CRUDE OIL PHY	LC	423	85.67	394.3%	574.1	-26.2%	511	459.96	11.1%
CRUDE OIL PHY	LO	114,504	144,815.81	-20.9%	164,488.55	-30.4%	128,855	172,846.27	-25.5%
CRUDE OIL PHY	LO1	692	791.57	-12.6%	594.85	16.3%	770	665.4	15.8%
CRUDE OIL PHY	LO2	566	737.29	-23.3%	452.5	25.1%	735	735.21	0.0%
CRUDE OIL PHY	LO3	565	646.1	-12.5%	897.15	-37.0%	465	483.86	-3.9%
CRUDE OIL PHY	LO4	571	581.9	-1.9%	987.5	-42.2%	784	731.47	7.2%
CRUDE OIL PHY	LO5	0	0	-	0	-	262	239.14	9.6%
ETHANOL	CE1	0	0	-	0	-	0	1.88	-100.0%
ETHANOL	CE3	0	0	-	0	-	0	1.03	-100.0%
ETHANOL SWAP	CVR	718	165.24	334.4%	488.9	46.8%	468	373.32	25.5%
ETHANOL SWAP	GVR	0	5.71	-100.0%	0	-	5	15.02	-64.4%
HEATING OIL PHY	LB	18	0.48	3622.7%	13.2	34.3%	10	5.14	86.9%
HEATING OIL PHY	OH	1,154	1,342.29	-14.0%	1,912.05	-39.6%	1,396	1,477.46	-5.5%
HENRY HUB FINANCIAL LAST	E7	186	308.43	-39.6%	135.05	38.0%	315	186.63	68.9%
HO 1 MONTH CLNDR OPTIONS	FA	0	0	-	0	-	15	0	-
LLS CRUDE OIL	WJO	0	0	-	0	-	0	0.68	-100.0%
LLS CRUDE OIL	YVO	0	0	-	0	-	0	0	-
MCCLOSKEY ARA ARGS COAL	MTO	0	0	-	0	-	1	1.75	-49.0%
MCCLOSKEY RCH BAY COAL	MFO	9	1.43	536.4%	15	-39.4%	6	13.05	-54.3%
NATURAL GAS 1 M CSO FIN	G4	3,730	858.9	334.2%	665	460.8%	1,982	1,751.25	13.2%
NATURAL GAS 2 M CSO FIN	G2	57	9.52	496.6%	27.5	106.6%	25	8.22	202.1%
NATURAL GAS 3 M CSO FIN	G3	1,575	150	950.0%	1,932.5	-18.5%	815	260.59	212.8%
NATURAL GAS 5 M CSO FIN	G5	0	0	-	42.5	-100.0%	8	17.47	-56.9%
NATURAL GAS 6 M CSO FIN	G6	82	76.19	7.4%	62.5	30.9%	243	474.32	-48.7%
NATURAL GAS OPTION ON CALENDAR STR	6J	285	85.71	232.0%	40	611.4%	105	145.95	-27.9%
NATURAL GAS PHY	KD	146	511.86	-71.5%	217	-32.7%	115	1,024.52	-88.7%
NATURAL GAS PHY	LN	69,811	56,216.71	24.2%	75,123.2	-7.1%	68,683	83,156.72	-17.4%



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<b>Energy Options</b>									
NATURAL GAS PHY	ON	5,894	6,500.43	-9.3%	6,213.3	-5.1%	5,975	8,269.45	-27.7%
NATURAL GAS WINTER STRIP	6I	0	0	-	0	-	9	0	-
N ROCKIES PIPE SWAP	ZR	44	5.33	718.2%	27.3	59.8%	21	7.34	187.1%
NY HARBOR HEAT OIL SWP	AT	21	47.67	-55.9%	172.85	-87.9%	106	124.58	-14.9%
NYISO ZONE G 5MW PEAK OPTIONS	9U	0	0	-	0	-	0	0	-
PANHANDLE PIPE SWAP	PU	0	0	-	0	-	0	0	-
PETROCHEMICALS	4H	2	22.62	-92.4%	135.55	-98.7%	32	24.94	26.7%
PETROCHEMICALS	4J	0	0	-	0	-	1	9.25	-85.2%
PETROCHEMICALS	4K	0	90.48	-100.0%	0	-	1	14.38	-92.4%
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	5	0	-	6	-9.1%	2	0	-
PJM WES HUB PEAK CAL MTH	6OA	5	0	-	19	-76.1%	4	2.12	106.4%
PJM WES HUB PEAK CAL MTH	JOA	0	0	-	0	-	0	6.03	-100.0%
PJM WES HUB PEAK LMP 50MW	PMA	0	4.38	-100.0%	0	-	6	43.93	-87.0%
RBOB 1MO CAL SPD OPTIONS	ZA	0	0	-	0	-	1	4.79	-78.6%
RBOB CALENDAR SWAP	RA	5	0	-	1.2	354.5%	3	6.61	-60.5%
RBOB CRACK	RX	0	0	-	0	-	0	0	-
RBOB PHY	OB	527	421.43	25.1%	867.65	-39.2%	786	571.83	37.5%
RBOB PHY	RF	27	0	-	0.6	4445.5%	11	0.86	1199.1%
ROTTERDAM 3.5%FUEL OIL CL	Q6	0	0	-	0	-	0	0	-
SAN JUAN PIPE SWAP	PJ	27	16	71.6%	18.2	50.8%	13	12.04	6.8%
SHORT TERM	C15	0	0	-	0	-	0	0	-
SHORT TERM	U11	20	10	104.5%	0	-	5	8.47	-43.4%
SHORT TERM	U12	5	11.9	-61.8%	0	-	5	5.72	-4.2%
SHORT TERM	U13	0	0	-	7.5	-100.0%	1	0.68	50.0%
SHORT TERM	U14	0	0	-	0	-	0	5.57	-93.8%
SHORT TERM	U15	16	0	-	0	-	8	5.32	51.2%
SHORT TERM	U22	0	0	-	0	-	0	8.16	-99.9%
SHORT TERM	U23	0	0.71	-100.0%	0	-	0	4.08	-97.1%
SHORT TERM	U24	5	0	-	7.5	-39.4%	2	2.92	-41.3%
SHORT TERM	U25	0	0	-	0	-	0	0.7	-100.0%
SHORT TERM	U26	0	0	-	0	-	0	2.05	-100.0%
SHORT TERM NATURAL GAS	U01	0	0	-	0	-	4	2.4	50.0%
SHORT TERM NATURAL GAS	U02	0	0	-	0	-	0	9.9	-100.0%

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Commodity		ADV JUL 2019	ADV JUL 2018	% CHG	ADV JUN 2019	% CHG	ADV Y.T.D 2019	ADV Y.T.D 2018	% CHG
<b>Energy Options</b>									
SHORT TERM NATURAL GAS	U03	9	27.14	-66.5%	0	-	4	9.08	-54.4%
SHORT TERM NATURAL GAS	U04	0	0	-	0	-	4	6.51	-36.8%
SHORT TERM NATURAL GAS	U05	0	0	-	0	-	1	5.55	-75.3%
SHORT TERM NATURAL GAS	U06	0	10.71	-100.0%	17.75	-100.0%	3	5.99	-53.7%
SHORT TERM NATURAL GAS	U07	0	0	-	0	-	4	10.97	-62.5%
SHORT TERM NATURAL GAS	U08	5	0	-	0	-	4	9.42	-56.4%
SHORT TERM NATURAL GAS	U09	7	38.1	-82.1%	0	-	2	10.51	-83.7%
SHORT TERM NATURAL GAS	U10	11	11.9	-4.5%	0	-	2	6.51	-73.7%
SHORT TERM NATURAL GAS	U16	5	4.9	-7.3%	0	-	1	4.79	-71.4%
SHORT TERM NATURAL GAS	U17	7	0.62	1001.5%	0	-	1	15.71	-93.5%
SHORT TERM NATURAL GAS	U18	5	0	-	0	-	1	9.4	-90.9%
SHORT TERM NATURAL GAS	U19	0	1.81	-100.0%	0	-	0	1.53	-100.0%
SHORT TERM NATURAL GAS	U20	0	10	-100.0%	15	-100.0%	2	3.49	-41.2%
SHORT TERM NATURAL GAS	U21	0	0	-	0	-	0	2.42	-85.8%
SHORT TERM NATURAL GAS	U27	0	0	-	0	-	0	2.74	-100.0%
SHORT TERM NATURAL GAS	U28	0	0	-	0	-	3	0.69	324.9%
SHORT TERM NATURAL GAS	U29	0	0	-	0	-	0	3.15	-100.0%
SHORT TERM NATURAL GAS	U30	0	0	-	0	-	1	0.68	100.0%
SHORT TERM NATURAL GAS	U31	16	0	-	0	-	8	0.17	4700.9%
SINGAPORE GASOIL CALENDAR	M2	0	0	-	0	-	0	0	-
SINGAPORE JET FUEL CALEND	N2	0	0	-	0	-	0	0	-
WTI-BRENT BULLET SWAP	BV	1,341	1,669.76	-19.7%	1,732.5	-22.6%	2,370	4,929.91	-51.9%
WTI CRUDE OIL 1 M CSO FI	7A	910	2,550	-64.3%	2,777.5	-67.2%	2,639	3,757.53	-29.8%

### Ag Products Futures

COCOA TAS	CJ	0	0	-	0.4	-100.0%	0	0.03	60.2%
COTTON	TT	1	0	-	0.3	112.1%	0	0.01	1349.6%
SUGAR 11	YO	0	0	-	0.5	-100.0%	0	0.4	-82.8%

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Commodity	ADV JUL 2019	ADV JUL 2018	% CHG	ADV JUN 2019	% CHG	ADV Y.T.D 2019	ADV Y.T.D 2018	% CHG
<b>TOTAL FUTURES GROUP</b>								
Ag Products Futures	1	0	-	1.2	-47.0%	0	0.45	-27.7%
Energy Futures	1,960,500	1,944,564.52	0.8%	2,202,499.65	-11.0%	2,140,895	2,310,908.02	-7.4%
Metals Futures	667,254	586,318.33	13.8%	672,450.15	-0.8%	548,676	628,997.21	-12.8%
<b>TOTAL FUTURES</b>	<b>2,627,755</b>	<b>2,530,882.86</b>	<b>3.8%</b>	<b>2,874,951</b>	<b>-8.6%</b>	<b>2,689,571.6</b>	<b>2,939,905.68</b>	<b>-8.5%</b>
<b>TOTAL OPTIONS GROUP</b>								
Energy Options	221,700	243,095.76	-8.8%	274,225.65	-19.2%	239,451	307,167.88	-22.0%
Metals Options	92,502	55,625.95	66.3%	128,198.45	-27.8%	73,567	56,673.65	29.8%
<b>TOTAL OPTIONS</b>	<b>314,201</b>	<b>298,721.71</b>	<b>5.2%</b>	<b>402,424.1</b>	<b>-21.9%</b>	<b>313,017.86</b>	<b>363,841.53</b>	<b>-14.0%</b>
<b>TOTAL COMBINED</b>								
Metals	759,756	641,944.29	18.4%	800,648.6	-5.1%	622,243	685,670.86	-9.3%
Energy	2,182,200	2,187,660.29	-0.2%	2,476,725.3	-11.9%	2,380,346	2,618,075.9	-9.1%
Ag Products	1	0	-	1.2	-47.0%	0	0.45	-27.7%
<b>GRAND TOTAL</b>	<b>2,941,956</b>	<b>2,829,604.57</b>	<b>4.0%</b>	<b>3,277,375.1</b>	<b>-10.2%</b>	<b>3,002,589.46</b>	<b>3,303,747.2</b>	<b>-9.1%</b>