

## NYMEX/COMEX Exchange ADV Report - Monthly

July 2020

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Commodity		ADV JUL 2020	ADV JUL 2019	% CHG	ADV JUN 2020	% CHG	ADV Y.T.D 2020	ADV Y.T.D 2019	% CHG
<b>Metals Futures</b>									
COMEX GOLD	GC	330,839	431,379.27	-23.3%	201,254	64.4%	335,156	315,108.62	6.4%
NYMEX HOT ROLLED STEEL	HR	482	623.41	-22.7%	839.23	-42.5%	813	858.48	-5.3%
NYMEX PLATINUM	PL	14,365	20,190.36	-28.9%	15,928.36	-9.8%	19,102	22,129.75	-13.7%
PALLADIUM	PA	1,867	3,620.55	-48.4%	1,070.09	74.4%	3,272	5,124.66	-36.1%
URANIUM	UX	0	13.64	-100.0%	0.82	-100.0%	13	64.27	-80.4%
COMEX SILVER	SI	119,257	94,862.41	25.7%	83,940.86	42.1%	94,164	88,103.53	6.9%
COMEX E-Mini GOLD	QO	1,029	1,414.27	-27.2%	840.73	22.4%	1,576	680.7	131.6%
COMEX E-Mini SILVER	QI	652	197.68	229.9%	194.36	235.5%	279	180.63	54.2%
COMEX COPPER	HG	88,406	85,257.14	3.7%	101,295.86	-12.7%	98,010	100,438.92	-2.4%
COMEX MINY COPPER	QC	30	31.95	-6.7%	24.68	20.8%	26	31.59	-18.6%
ALUMINUM	A38	0	0	-	0	-	0	0.15	-100.0%
ALUMINUM	AEP	8	93.86	-91.3%	20.23	-59.6%	172	76.23	126.0%
ALUMINUM	ALA	11	0	-	5.23	103.5%	7	1.64	338.3%
ALUMINUM	ALI	361	15.91	2170.3%	130.77	176.2%	154	2.4	6338.4%
ALUMINUM	AUP	381	320.64	18.8%	564.68	-32.5%	505	285.42	76.9%
ALUMINUM	CUP	0	0	-	0	-	0	0	-
ALUMINUM	EDP	36	174.55	-79.4%	66.27	-45.7%	211	101.74	107.6%
ALUMINUM	MJP	0	121.82	-100.0%	33.41	-100.0%	55	47.12	16.2%
COPPER	HGS	348	5.77	5921.3%	243.5	42.7%	179	40.21	345.0%
FERROUS PRODUCTS	BUS	41	30.36	36.1%	59.68	-30.8%	102	57.09	78.6%
GOLD	4GC	5	0	-	3.73	42.7%	2	0	-
GOLD	SGC	43	0	-	43.05	-0.4%	86	0	-
GOLD	SGU	66	0	-	97.68	-32.8%	261	0	-
HOT ROLLED COIL STEEL FUTURES	EHR	29	0	-	12.5	130.9%	12	0	-
IRON ORE 62 CHINA PLATTS FUTURES	PIO	0	0	-	0	-	0	0	-
IRON ORE 62 CHINA TSI FUTURES	TIO	6	174.32	-96.3%	59.95	-89.4%	99	291.95	-66.2%
IRON ORE CHINA	TIO	65	0	-	0	-	10	0	-
LNDN ZINC	ZNC	0	0	-	0	-	0	8.42	-100.0%
METALS	HDG	0	0	-	1.36	-100.0%	0	0	-
MICRO GOLD	MGC	90,351	27,667.14	226.6%	71,258.27	26.8%	68,147	14,228.87	378.9%
SILVER	SIL	11,080	1,059.36	945.9%	5,184.05	113.7%	4,106	813.78	404.5%

### Metals Options

ALUMINUM	ALO	0	0	-	0	-	1	0	-
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COMEX COPPER	HX	1,014	2,251.68	-55.0%	757.64	33.8%	2,225	2,899.68	-23.3%
COMEX GOLD	OG	45,336	70,296.77	-35.5%	35,947.36	26.1%	59,742	57,507.7	3.9%
COMEX SILVER	SO	12,313	11,352.73	8.5%	5,221.05	135.8%	9,485	7,194.6	31.8%
COPPER	H1E	0	1.09	-100.0%	0	-	7	1.07	589.5%
COPPER	H2E	0	3.95	-100.0%	0	-	5	2.77	68.2%
COPPER	H3E	0	0.45	-100.0%	0	-	5	0.61	716.9%
COPPER	H4E	0	0.45	-100.0%	0	-	3	0.72	250.0%
COPPER	H5E	0	0	-	0	-	5	0.14	3336.1%
GOLD	OG1	1,042	3,336.86	-68.8%	1,432.5	-27.3%	1,701	1,826.55	-6.9%
GOLD	OG2	1,358	2,208.55	-38.5%	1,645.82	-17.5%	1,825	1,481.82	23.1%
GOLD	OG3	1,455	1,921.32	-24.3%	1,149.09	26.6%	1,628	1,123.62	44.9%
GOLD	OG4	1,081	781.82	38.3%	932.32	15.9%	1,410	809.8	74.1%
GOLD	OG5	1,696	0	-	0	-	619	196.32	215.2%
HOT ROLLED COIL STEEL CALL OPTION	HRO	0	13.64	-100.0%	0	-	1	6.16	-91.7%
HOT ROLLED COIL STEEL PUT OPTION	HRO	0	0	-	0	-	0	0	-
IRON ORE 62 CHINA TSI CALL OPTION	ICT	1	0	-	0	-	25	45.62	-44.2%
IRON ORE 62 CHINA TSI PUT OPTION	ICT	0	0	-	0	-	43	24.66	75.2%
IRON ORE CHINA	ICT	5	0	-	0	-	1	0	-
NYMEX HOT ROLLED STEEL	HRO	0	0	-	0	-	0	0	-
NYMEX PLATINUM	PO	20	52.23	-62.1%	26.77	-26.0%	157	171.69	-8.3%
PALLADIUM	PAO	0	21.32	-99.1%	3.32	-94.5%	39	60.3	-36.1%
SILVER	SO1	51	110.36	-54.1%	159.5	-68.3%	127	72.69	74.9%
SILVER	SO2	63	88.55	-28.4%	55.05	15.1%	111	52.4	111.5%
SILVER	SO3	90	39.09	129.2%	48.73	83.9%	103	49.95	107.0%
SILVER	SO4	49	20.86	134.0%	33.95	43.8%	77	25.23	203.7%
SILVER	SO5	98	0	-	0	-	41	12.79	222.9%

### Energy Futures

CRUDE OIL PHY	CL	736,538	1,037,515.45	-29.0%	871,452.86	-15.5%	1,300,492	1,197,956.13	8.6%
CRUDE OIL	WS	23	0	-	0	-	23	114.34	-79.6%
MINY WTI CRUDE OIL	QM	11,406	25,011.05	-54.4%	20,439.55	-44.2%	37,535	21,976.93	70.8%
BRENT OIL LAST DAY	BZ	61,778	91,245.09	-32.3%	89,112.32	-30.7%	123,351	103,566.51	19.1%

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<b>Energy Futures</b>									
HEATING OIL PHY	HO	111,575	140,103.32	-20.4%	126,027.64	-11.5%	186,518	159,709.42	16.8%
HTG OIL	BH	1	2.18	-75.0%	2.18	-75.0%	1	0.66	11.7%
MINY HTG OIL	QH	0	0.14	66.6%	0.23	0.0%	0	0.16	33.9%
RBOB PHY	RB	151,727	192,514.14	-21.2%	158,897.45	-4.5%	197,673	213,837.91	-7.6%
MINY RBOB GAS	QU	0	0.27	0.0%	0.27	0.0%	0	0.29	15.5%
NATURAL GAS	HP	5,316	4,582.77	16.0%	6,575.73	-19.2%	7,526	5,249.17	43.4%
LTD NAT GAS	HH	7,850	12,402.59	-36.7%	10,272.55	-23.6%	11,406	15,057.79	-24.3%
MINY NATURAL GAS	QG	5,489	1,521.73	260.7%	5,882.86	-6.7%	4,854	1,309.48	270.7%
PJM MONTHLY	JM	0	0	-	0	-	0	0	-
NATURAL GAS PHY	NG	385,667	410,780.05	-6.1%	437,771.73	-11.9%	507,440	369,513.4	37.3%
RBOB GAS	RT	0	0.55	-100.0%	0.55	-100.0%	0	0.49	-0.7%
3.5% FUEL OIL CID MED SWA	7D	0	0.14	-100.0%	0	-	0	0.55	-75.5%
3.5% FUEL OIL CIF BALMO S	8D	0	0	-	0	-	0	0.14	-100.0%
AEP-DAYTON HUB DAILY	VD	0	0	-	0	-	0	0	-
ANR OKLAHOMA	NE	0	0	-	0	-	0	0	-
ARGUS LLS VS. WTI (ARG) T	E5	245	113.86	114.8%	275.73	-11.3%	301	498.26	-39.6%
ARGUS PROPAN FAR EST INDE	7E	193	247.45	-22.2%	208.91	-7.8%	244	294.39	-17.1%
ARGUS PROPAN(SAUDI ARAMCO	9N	73	114.64	-36.5%	105.14	-30.8%	117	136.33	-14.2%
AUSTRIALIAN COKE COAL	ALW	0	0	-	0	-	0	0	-
BRENT BALMO SWAP	J9	0	2.27	-100.0%	11.36	-100.0%	9	6.6	37.2%
BRENT CALENDAR SWAP	CY	106	555.64	-80.9%	317.64	-66.5%	415	330.71	25.3%
BRENT FINANCIAL FUTURES	BB	100	0	-	0	-	15	47.95	-68.8%
BRENT FINANCIAL FUTURES	MBC	0	10.77	-100.0%	0	-	1	2.18	-42.4%
BRENT FINANCIAL FUTURES	MDB	0	0	-	11.82	-100.0%	2	0	-
BRENT OIL LAST DAY	BZL	0	0	-	0	-	0	0	-
BRENT OIL LAST DAY	BZS	0	0	-	0	-	0	0	-
CENTERPOINT BASIS SWAP	PW	0	0	-	0	-	0	0	-
CHICAGO ETHANOL SWAP	CU	3,078	4,374.14	-29.6%	2,579.36	19.3%	3,808	5,133.66	-25.8%
CHICAGO ULSD PL VS HO SPR	5C	13	16.59	-24.7%	42.05	-70.3%	46	28.86	60.3%
CHICAGO UNL GAS PL VS RBO	3C	8	11.14	-30.6%	7.27	6.3%	7	7.67	-5.6%
CIG BASIS	CI	0	0	-	0	-	0	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 PK	H5	0	31.27	-100.0%	9.91	-100.0%	9	26.51	-65.5%
CIN HUB 5MW REAL TIME O P	H4	0	0	-	0	-	0	26.85	-100.0%

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CIN HUB 5MW REAL TIME PK	H3	0	0	-	0	-	0	2.23	-100.0%
COAL SWAP	ACM	0	0	-	0	-	0	0	-
COLUMB GULF MAINLINE NG B	5Z	0	0	-	0	-	0	2.49	-100.0%
CONWAY NATURAL GASOLINE (OPIS) SWA	8L	9	2.27	290.0%	0	-	16	8.45	83.6%
CONWAY NORMAL BUTANE (OPIS) SWAP	8M	17	15.23	9.9%	44.77	-62.6%	18	19.15	-6.5%
CONWAY PROPANE 5 DECIMALS SWAP	8K	609	622.55	-2.2%	654.09	-6.9%	843	744.48	13.2%
CRUDE OIL	LPS	0	95.45	-100.0%	0	-	29	135.79	-78.5%
CRUDE OIL LAST DAY	26	5	0	-	10.14	-46.2%	2	0	-
CRUDE OIL OUTRIGHTS	42	14	1.91	652.4%	104.91	-86.3%	82	20.9	290.3%
CRUDE OIL OUTRIGHTS	CC5	13	28.23	-53.6%	20.45	-36.0%	24	21.03	11.9%
CRUDE OIL OUTRIGHTS	CSW	0	0	-	0	-	1	20	-96.9%
CRUDE OIL OUTRIGHTS	DAB	0	0	-	0	-	2	0	-
CRUDE OIL OUTRIGHTS	DBL	0	0	-	0	-	0	2.74	-100.0%
CRUDE OIL OUTRIGHTS	GSW	15	0	-	0	-	2	1.89	18.8%
CRUDE OIL OUTRIGHTS	HTT	3,135	2,906.64	7.9%	2,651.45	18.2%	4,217	2,874.96	46.7%
CRUDE OIL OUTRIGHTS	LSW	93	0	-	12.27	655.6%	43	21.49	100.8%
CRUDE OIL OUTRIGHTS	WCW	80	69.77	14.3%	125.23	-36.3%	122	221.19	-44.6%
CRUDE OIL PHY	CLL	0	0	-	0	-	0	0	-
CRUDE OIL PHY	HCL	9	583.18	-98.4%	41.27	-77.6%	230	981.34	-76.5%
CRUDE OIL SPRDS	38	0	0	-	0	-	0	0	-
CRUDE OIL SPRDS	ANT	0	0	-	21.82	-100.0%	9	0	-
CRUDE OIL SPRDS	HIL	565	0	-	9.82	5650.0%	100	4.93	1920.3%
CRUDE OIL SPRDS	WTT	975	1,363.41	-28.5%	707.73	37.7%	1,251	1,138.9	9.9%
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	-

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DAILY PJM	ZGO	0	0	-	0	-	0	0	-
DAILY PJM	ZJO	0	0	-	0	-	0	0	-
DATED BRENT (PLATTS) DAILY SWAP	7G	0	0	-	0	-	4	0	-
DATED TO FRONTLINE BRENT	FY	0	0	-	0	-	2	6.85	-75.8%
DOMINION TRAN INC - APP I	IH	0	0	-	0	-	0	0	-
DOMINION TRANSMISSION INC	PG	0	0	-	0	-	0	0	-
DUBAI CRUDE OIL BALMO	BI	0	0	-	0	-	2	0	-
DUBAI CRUDE OIL CALENDAR	DC	0	22.27	-100.0%	0	-	72	120.12	-39.7%
DUTCH TTF NATURAL GAS CAL MONTH FUT	TTF	1,394	789.32	76.7%	2,187.18	-36.2%	1,783	405.77	339.4%
EAST/WEST FUEL OIL SPREAD	EW	0	0.45	-100.0%	0	-	0	0.14	-100.0%
EIA FLAT TAX ONHWAY DIESE	A5	71	17.68	301.5%	7.36	864.2%	46	18.1	155.0%
ELEC FINSETTLED	47	0	0	-	0	-	0	0	-
ELEC MISO PEAK	4L	0	0	-	0	-	0	0	-
ELEC NYISO OFF-PEAK	4M	0	0	-	0	-	0	0	-
ELECTRICITY OFF PEAK	46	0	0	-	0	-	0	0	-
ELECTRICITY OFF PEAK	4P	0	0	-	0	-	0	0	-
ETHANOL	MTH	0	0	-	0	-	0	0.27	-25.5%
ETHANOL	Z1B	0	0	-	0	-	0	0	-
ETHANOL SWAP	MT2	2	0.45	400.0%	16.14	-85.9%	6	3.63	75.8%
ETHANOL T2 FOB ROTT INCL DUTY SWAP	Z1	123	85.41	43.9%	98.64	24.6%	208	160.81	29.4%
EURO 1% FUEL OIL NEW BALM	KX	0	0	-	0	-	0	0.02	-100.0%
EURO 3.5% FUEL OIL RDAM B	KR	0	3.27	-100.0%	0	-	0	1.99	-77.8%
EURO 3.5% FUEL OIL SPREAD	FK	0	0.55	-100.0%	0	-	0	1.01	-85.1%
EURO GASOIL 10PPM VS ICE	ET	0	0	-	0	-	1	0	-
EUROPE 1% FUEL OIL NWE CA	UF	0	0	-	0	-	0	3.08	-100.0%
EUROPE 1% FUEL OIL RDAM C	UH	0	0	-	0	-	0	0	-
EUROPE 3.5% FUEL OIL MED	UI	0	0.64	-100.0%	0	-	0	2.51	-90.0%
EUROPE 3.5% FUEL OIL RDAM	UV	9	17.27	-48.9%	6.14	43.7%	16	49.82	-68.3%
EUROPEAN GASOIL (ICE)	7F	0	4.55	-100.0%	0.09	-100.0%	2	5.01	-58.3%
EUROPEAN NAPHTHA BALMO	KZ	0	8.23	-94.5%	0.45	0.0%	0	9.14	-95.5%
EUROPEAN NAPHTHA CRACK SPR	EN	38	96.55	-60.4%	44.91	-14.8%	74	220.71	-66.6%
EUROPE DATED BRENT SWAP	UB	0	0	-	3.18	-100.0%	0	11.18	-95.7%
EUROPE JET KERO NWE CALSW	UJ	0	0	-	0	-	0	0.03	-100.0%
EUROPE NAPHTHA CALSWAP	UN	15	76.45	-80.0%	12.05	27.2%	25	101.95	-75.5%
EURO PROPANE CIF ARA SWA	PS	34	77.41	-55.9%	50	-31.7%	82	94.79	-13.4%

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<b>Energy Futures</b>									
FREIGHT MARKETS	ACB	0	19.09	-100.0%	0	-	5	2.88	73.8%
FREIGHT MARKETS	BF1	0	0	-	0	-	0	0	-
FREIGHT MARKETS	BF2	9	0	-	7.32	17.4%	6	0	-
FREIGHT MARKETS	BF3	0	0	-	0	-	0	0	-
FREIGHT MARKETS	FLP	10	16.41	-37.4%	24.23	-57.6%	13	7.83	65.5%
FREIGHT MARKETS	FRC	0	10.45	-100.0%	0	-	0	7.67	-96.5%
FREIGHT MARKETS	FRS	0	0	-	0	-	0	0.48	-100.0%
FREIGHT MARKETS	T2D	5	24.77	-79.8%	39.09	-87.2%	12	28.08	-57.3%
FREIGHT MARKETS	T7C	2	0	-	0	-	0	0	-
FREIGHT MARKETS	TD3	0	3.18	-100.0%	0	-	0	0.96	-100.0%
FREIGHT MARKETS	TD8	0	0	-	0	-	0	0.41	-100.0%
FREIGHT MARKETS	USC	0	2.73	-100.0%	0	-	1	0.41	49.0%
FUEL OIL CRACK VS ICE	FO	1	55.18	-98.6%	5.73	-86.5%	13	76.49	-82.4%
FUEL OIL NWE CRACK VS ICE	FI	0	0	-	0	-	0	0.1	-100.0%
FUEL OIL (PLATS) CAR CM	1W	0	0	-	0	-	0	0.04	-100.0%
FUEL OIL (PLATS) CAR CN	1X	0	0	-	0	-	0	0	-
FUELOIL SWAP:CARGOES VS.B	FS	0	1.64	-100.0%	0	-	0	9.7	-96.4%
GAS EURO-BOB OXY NWE BARGES	7H	11	131.91	-91.5%	31.36	-64.3%	84	293.4	-71.5%
GAS EURO-BOB OXY NWE BARGES CRK	7K	163	239.95	-32.1%	311.55	-47.7%	332	431.95	-23.0%
GASOIL 0.1 CIF NWE VS ISE	TU	0	0	-	0	-	0	0.07	-100.0%
GASOIL 0.1 RDAM BRGS VS I	WQ	0	0	-	0	-	0	0.14	-100.0%
GASOIL 0.1 ROTTERDAM BARG	VL	0	0	-	0.23	0.0%	1	0.71	-18.0%
GASOIL 10PPM VS ICE SWAP	TP	0	0	-	0	-	0	0.27	-100.0%
GASOIL CALENDAR SWAP	GX	0	0.55	-58.3%	0	-	2	0.62	147.2%
GASOIL CRACK SPREAD CALEN	GZ	3	43.64	-92.2%	23.86	-85.7%	84	34.21	145.6%
GASOIL MINI CALENDAR SWAP	QA	29	19.41	47.3%	24.36	17.4%	31	11.63	165.1%
GERMAN POWER BASELOAD CAL MONTH F	DEB	0	233.77	-100.0%	0	-	62	119.42	-48.1%
GROUP THREE ULSD (PLATTS)	A7	0	0	-	0	-	0	0	-
GROUP THREE UNLEAD GAS (P	A9	0	0	-	0	-	0	0	-
GRP THREE ULSD(PLT)VS HEA	A6	124	211.27	-41.4%	175	-29.2%	197	171.2	14.8%
GRP THREE UNL GS (PLT) VS	A8	75	82.27	-8.8%	120.91	-38.0%	146	135.73	7.6%
GULF COAST 3% FUEL OIL BA	VZ	0	36.77	-100.0%	6.18	-100.0%	15	33.82	-54.9%
GULF COAST JET FUEL CLNDR	GE	27	0	-	0	-	11	1.83	487.0%
GULF COAST JET VS NYM 2 H	ME	584	925.45	-36.9%	705.09	-17.2%	907	1,043.9	-13.1%
GULF COAST NO.6 FUEL OIL	MF	291	832.45	-65.0%	362.86	-19.7%	664	1,133.3	-41.4%

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<b>Energy Futures</b>									
GULF COAST NO.6 FUEL OIL	MG	0	7.27	-100.0%	0	-	3	10.23	-67.9%
GULF COAST ULSD CALENDAR	LY	72	12.59	470.4%	13.59	428.4%	50	19.47	156.9%
GULF COAST ULSD CRACK SPR	GY	10	0	-	0	-	9	0	-
HEATING OIL BALMO CLNDR S	1G	0	1.82	-100.0%	6.82	-100.0%	9	3.87	129.8%
HEATING OIL CRCK SPRD BAL	1H	0	0	-	0	-	0	0.12	-100.0%
HEATING OIL PHY	HOL	0	0	-	0	-	0	0	-
HENRY HUB BASIS SWAP	HB	0	53.55	-100.0%	0	-	45	85.11	-46.6%
HENRY HUB INDEX SWAP FUTU	IN	0	53.55	-100.0%	0	-	57	85.11	-32.9%
HENRY HUB SWAP	NN	1,587	3,403.73	-53.4%	2,424.82	-34.6%	3,748	5,337.58	-29.8%
HOUSTON SHIP CHANNEL BASI	NH	0	0	-	0	-	0	5.04	-100.0%
ICE BRENT DUBAI SWAP	DB	40	194.36	-79.7%	69.55	-43.1%	212	267.9	-20.7%
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	15	25	-39.1%	11.41	33.5%	11	18.9	-43.4%
JAPAN C&F NAPHTHA CRACK S	JB	0	0	-	0	-	1	1.16	-11.8%
JAPAN C&F NAPHTHA SWAP	JA	11	37.45	-71.2%	7.82	37.8%	9	59.47	-85.3%
JAPAN NAPHTHA BALMO SWAP	E6	0	0.45	-50.0%	0	-	0	1.98	-88.7%
JET AV FUEL (P) CAR FM ICE GAS SWAP	1V	0	0	-	0	-	0	0	-
JET CIF NWE VS ICE	JC	0	0	-	0	-	0	0.48	-100.0%
JET FUEL CRG CIF NEW VS I	6X	0	0	-	0	-	0	0	-
JET FUEL UP-DOWN BALMO CL	1M	48	223.41	-78.7%	61.73	-23.0%	89	214.47	-58.5%
JKM LNG Futures	JKM	82	80	1.9%	71.59	13.9%	41	75.18	-44.9%
LA CARB DIESEL (OPIS) SWA	KL	1	0	-	2.73	-50.0%	17	2.23	646.3%
LA CARBOB GASOLINE(OPIS)S	JL	0	17.05	-100.0%	0	-	4	18.32	-76.8%
LA JET (OPIS) SWAP	JS	26	64.77	-59.6%	17.05	53.3%	33	63.73	-48.3%
LLS (ARGUS) CALENDAR SWAP	XA	0	0	-	0	-	0	0	-
LLS (ARGUS) VS WTI SWAP	WJ	0	49.09	-100.0%	16.36	-100.0%	46	113.28	-59.1%
LOS ANGELES CARB GASOLINE	MH	0	0.45	-100.0%	0.68	-100.0%	0	0.07	48.9%
MARS (ARGUS) VS WTI SWAP	YX	0	65.45	-100.0%	0	-	17	87.81	-80.8%
MARS (ARGUS) VS WTI TRD M	YV	560	554.41	1.1%	872.73	-35.8%	761	901.26	-15.6%
MARS BLEND CRUDE OIL	MB	0	0	-	0	-	1	0	-
MCCLOSKEY ARA ARGS COAL	MTF	617	1,598.23	-61.4%	811.64	-24.0%	1,031	1,442.15	-28.5%
MCCLOSKEY RCH BAY COAL	MFF	33	105.09	-68.6%	18.36	79.5%	55	118.25	-53.5%

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<b>Energy Futures</b>									
MGF FUT	MGF	0	0	-	0	-	0	0	-
MGN1 SWAP FUT	MGN	0	0.45	-100.0%	0	-	2	2.47	-33.8%
MICHIGAN BASIS	NF	0	0	-	0	-	0	0	-
MICHIGAN MISO	HMO	0	0	-	0	-	0	0	-
MICHIGAN MISO	HMW	0	0	-	0	-	0	0	-
MINI GAS EUROBOB OXY NWE ARGS BALM	MEB	2	5.18	-56.1%	11.77	-80.7%	3	9.21	-70.8%
MINI RBOB V. EBOBARG NWE BRGS BALMO	MXR	0	0	-	6.91	-100.0%	7	23.97	-71.8%
MINI RBOB V. EBOB(ARGUS) NWE BRGS	MXB	16	92.82	-82.4%	45.68	-64.3%	35	115.63	-69.5%
MJC FUT	MJC	0	0	-	0	-	0	1.03	-100.0%
MNC FUT	MNC	24	146.91	-83.4%	41.68	-41.3%	65	196.12	-66.9%
MONT BELVIEU ETHANE 5 DECIMAL	C0	1,281	950.32	34.8%	1,330.18	-3.7%	1,105	721.1	53.2%
MONT BELVIEU ETHANE OPIS BALMO	8C	15	7.05	106.5%	12.27	18.5%	7	8.35	-18.7%
MONT BELVIEU LDH PROPANE 5 DECIMAL	B0	6,401	7,379.59	-13.3%	6,576.41	-2.7%	8,531	6,934.73	23.0%
MONT BELVIEU LDH PROPANE OPIS BALM	8O	51	75.14	-32.1%	36.64	39.3%	113	151.17	-25.3%
MONT BELVIEU NATURAL GASOLINE 5 DEC	7Q	1,064	416.09	155.8%	1,545.73	-31.1%	1,698	389.28	336.1%
MONT BELVIEU NATURAL GASOLINE BALM	R0	39	39.32	-0.1%	50.91	-22.9%	45	32.36	40.6%
MONT BELVIEU NORMAL BUTANE 5 DECIM	D0	2,386	2,326.09	2.6%	2,836.5	-15.9%	3,322	2,150.76	54.5%
MONT BELVIEU NORMAL BUTANE BALMO	8J	61	45.91	32.2%	47.68	27.3%	65	62.63	4.4%
NAT GAS BASIS SWAP	TZ6	0	0	-	0	-	0	0	-
NATURAL GAS PEN SWP	NP	1,964	955.68	105.5%	2,006.77	-2.1%	2,848	1,387.66	105.2%
NEPOOL INTR HUB 5MW D AH	H2	0	0	-	0	-	95	113.42	-16.1%
NEPOOL INTR HUB 5MW D AH	U6	0	0	-	0	-	5	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	-
NEW ENGLAND HUB PEAK DAIL	CE	0	0	-	0	-	0	0	-
NEW YORK ETHANOL SWAP	EZ	24	42.05	-43.2%	28.18	-15.3%	39	37.32	4.4%
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	-	0	8.49	-100.0%
NGPL TEX/OK	PD	0	0	-	0	-	0	17.64	-100.0%
N ILLINOIS HUB DAILY	UD	0	0	-	0	-	0	0	-
NO 2 UP-DOWN SPREAD CALEN	UT	0	0	-	0	-	2	4.62	-66.9%
NORTHEN NATURAL GAS DEMAR	PE	0	0	-	0	-	0	0	-
NORTHEN NATURAL GAS VENTU	PF	0	0	-	0	-	0	0	-
NORTHWEST ROCKIES BASIS S	NR	0	0	-	0	-	0	21.27	-100.0%



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<b>Energy Futures</b>									
N ROCKIES PIPE SWAP	XR	0	0	-	0	-	0	0	-
NY1% VS GC SPREAD SWAP	VR	0	22.18	-100.0%	0	-	17	21.53	-18.9%
NY 3.0% FUEL OIL (PLATTS	H1	0	0	-	0	-	0	5.31	-100.0%
NY HARBOR 1% FUEL OIL BAL	VK	0	1.14	-100.0%	0	-	0	0.17	-100.0%
NY HARBOR HEAT OIL SWP	MP	64	22.64	180.7%	121.27	-47.6%	174	106.02	63.8%
NY HARBOR LOW SULPUR GAS 1000MBBL	NLS	0	0	-	0	-	0	2.67	-100.0%
NY HARBOR RESIDUAL FUEL 1	MM	3	22.82	-87.1%	12.45	-76.3%	46	37.57	22.0%
NY HARBOR RESIDUAL FUEL C	ML	0	0	-	0	-	0	0	-
NYH NO 2 CRACK SPREAD CAL	HK	31	0	-	2.05	1433.3%	48	15.31	216.2%
NYISO CAPACITY	LHV	0	0	-	0	-	0	1.64	-100.0%
NYISO CAPACITY	NNC	0	0	-	0	-	0	0	-
NYISO CAPACITY	NRS	0	0	-	0	-	0	0.41	-100.0%
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	-	0	317.7	-100.0%
NYISO ZONE G 5MW D AH PK	T3	0	289.77	-100.0%	0	-	0	55.99	-100.0%
NYISO ZONE J 5MW D AH O P	D4	0	0	-	0	-	0	0	-
NYISO ZONE J 5MW D AH PK	D3	0	0	-	0	-	0	0	-
NYMEX ALUMINUM FUTURES	AN	0	0	-	0	-	0	0	-
NYMEX ULSD VS NYMEX HO	UY	0	0	-	0	-	5	9.93	-52.1%
NY ULSD (ARGUS) VS HEATING OIL	7Y	0	3.5	-100.0%	15	-100.0%	26	10.24	152.9%
ONEOK OKLAHOMA NG BASIS	8X	0	0	-	0	-	0	0	-
ONTARIO POWER SWAPS	OPD	0	0	-	0	-	0	0	-
ONTARIO POWER SWAPS	OPM	0	0	-	0	-	0	0.68	-100.0%
PANHANDLE BASIS SWAP FUTU	PH	0	0	-	0	-	0	0	-
PERMIAN BASIS SWAP	PM	0	0	-	0	-	0	0	-
PETROCHEMICALS	22	1	8.14	-91.6%	4.45	-84.7%	6	7.99	-26.1%
PETROCHEMICALS	32	3	6	-57.6%	2.64	-3.4%	4	5.42	-31.4%
PETROCHEMICALS	3NA	0	0.09	150.1%	0	-	0	0.34	-77.7%
PETROCHEMICALS	51	0	2.73	-100.0%	0.27	-100.0%	0	0.53	-85.8%
PETROCHEMICALS	81	0	0	-	0	-	0	0	-
PETROCHEMICALS	8I	71	16.36	335.6%	33.86	110.5%	44	27.65	59.9%
PETROCHEMICALS	91	19	16.82	14.9%	13.5	43.1%	17	21.97	-23.2%
PETROCHEMICALS	MAA	17	1.36	1133.4%	0	-	7	1.92	256.5%
PETROCHEMICALS	MAE	12	34.95	-66.2%	44.32	-73.3%	33	16.02	103.3%

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<b>Energy Futures</b>									
PETROCHEMICALS	MAS	6	12.5	-52.7%	15.91	-62.9%	15	10.18	46.8%
PETROCHEMICALS	MBE	29	9.55	204.8%	0	-	12	16.4	-27.0%
PETROCHEMICALS	MNB	7	18.64	-63.4%	10.23	-33.3%	11	38.31	-72.0%
PETROCHEMICALS	MPS	6	4.91	25.9%	22.73	-72.8%	17	10.84	53.2%
PETRO CRCKS & SPRDS ASIA	STI	0	0	-	0	-	0	0.34	-100.0%
PETRO CRCKS & SPRDS ASIA	STR	0	0	-	0	-	0	0	-
PETRO CRCKS & SPRDS ASIA	STS	0	0.95	-100.0%	6.82	-100.0%	2	1.59	28.4%
PETRO CRCKS & SPRDS NA	CRB	807	325	148.3%	978.64	-17.5%	862	319.62	169.7%
PETRO CRCKS & SPRDS NA	EXR	11	91.86	-87.8%	23	-51.4%	57	138.23	-58.7%
PETRO CRCKS & SPRDS NA	FOC	0	31.82	-100.0%	0	-	0	22.05	-100.0%
PETRO CRCKS & SPRDS NA	GBB	0	52.27	-100.0%	8.82	-100.0%	24	34.03	-30.6%
PETRO CRCKS & SPRDS NA	GCC	0	0	-	0	-	3	0	-
PETRO CRCKS & SPRDS NA	GCI	5	21.64	-76.9%	0	-	34	66.4	-49.1%
PETRO CRCKS & SPRDS NA	GCM	0	0	-	0	-	0	0	-
PETRO CRCKS & SPRDS NA	GCU	28	214.68	-86.9%	8.55	229.3%	97	162.76	-40.5%
PETRO CRCKS & SPRDS NA	GFC	0	0	-	0	-	0	0.68	-100.0%
PETRO CRCKS & SPRDS NA	HOB	5	5	-7.3%	2.27	104.0%	55	59.19	-7.4%
PETRO CRCKS & SPRDS NA	NYF	0	3.41	-100.0%	0	-	0	0.51	-100.0%
PETRO CRCKS & SPRDS NA	RBB	60	99.18	-39.0%	169.41	-64.3%	194	394.14	-50.7%
PETRO CRCKS & SPRDS NA	RVG	169	536.82	-68.5%	162.73	3.8%	336	699.44	-51.9%
PETRO CRCKS & SPRDS NA	SF3	0	4.59	-100.0%	0	-	0	4.75	-98.6%
PETRO CRK&SPRD EURO	1NB	0	33.59	-100.0%	0	-	21	64.61	-67.5%
PETRO CRK&SPRD EURO	43	0	0.14	-100.0%	0.68	-100.0%	0	1.06	-77.6%
PETRO CRK&SPRD EURO	BFR	0	0	-	0	-	0	0.41	-100.0%
PETRO CRK&SPRD EURO	BOB	0	4.77	-100.0%	4.91	-100.0%	3	21.28	-87.9%
PETRO CRK&SPRD EURO	EOB	0	0.36	-100.0%	0.5	-100.0%	0	0.16	33.9%
PETRO CRK&SPRD EURO	EPN	15	27.36	-45.2%	15.36	-2.4%	21	28.38	-27.3%
PETRO CRK&SPRD EURO	EVC	0	33.09	-100.0%	0	-	1	20.99	-93.4%
PETRO CRK&SPRD EURO	FBT	0	0	-	0	-	0	0.41	-100.0%
PETRO CRK&SPRD EURO	FVB	0	0	-	0	-	0	0	-
PETRO CRK&SPRD EURO	GCB	0	6.14	-100.0%	2	-100.0%	0	2.86	-89.5%
PETRO CRK&SPRD EURO	GOC	0	0	-	0	-	0	0	-
PETRO CRK&SPRD EURO	MGB	0	0	-	0	-	0	0.82	-100.0%
PETRO CRK&SPRD EURO	MUD	1	0.45	200.0%	0	-	1	0.55	61.4%
PETRO CRK&SPRD EURO	NBB	0	0	-	0	-	0	0.4	-91.4%

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<b>Energy Futures</b>									
PETRO CRK&SPRD EURO	NOB	0	11.59	-100.0%	0.45	-100.0%	3	21.78	-88.4%
PETRO CRK&SPRD EURO	SFB	0	0	-	0	-	0	0.35	-100.0%
PETROLEUM PRODUCTS	1NM	9	5	81.8%	5.91	53.8%	7	4.4	48.9%
PETROLEUM PRODUCTS	EWG	2	48.86	-95.3%	13.64	-83.3%	31	133.08	-76.8%
PETROLEUM PRODUCTS	H5F	0	0	-	0	-	21	0	-
PETROLEUM PRODUCTS	JCC	50	0	-	0	-	15	0.14	10749.6%
PETROLEUM PRODUCTS	MME	0	0	-	0	-	1	0	-
PETROLEUM PRODUCTS	NCC	0	0	-	0	-	0	0	-
PETROLEUM PRODUCTS	R5E	0	0	-	0	-	0	0	-
PETROLEUM PRODUCTS	R5F	1	0.41	122.2%	1.09	-16.7%	1	0.06	882.8%
PETROLEUM PRODUCTS	S53	0	0	-	0	-	0	0	-
PETROLEUM PRODUCTS	UP5	0	0	-	0	-	0	0	-
PETROLEUM PRODUCTS	VU	1	2.27	-44.0%	0	-	7	1.61	353.5%
PETROLEUM PRODUCTS ASIA	E6M	0	0	-	0	-	1	0.47	9.5%
PETROLEUM PRODUCTS ASIA	MJN	55	78.68	-30.2%	78.64	-30.2%	37	80.45	-53.6%
PETROLEUM PRODUCTS ASIA	MSB	0	0	-	0	-	0	0	-
PETRO OUTRIGHT EURO	0B	0	0.45	-100.0%	0	-	1	1.15	-40.9%
PETRO OUTRIGHT EURO	0C	0	0	-	0	-	0	0.1	-100.0%
PETRO OUTRIGHT EURO	0D	24	62.14	-61.4%	1.05	2195.6%	15	68.16	-78.6%
PETRO OUTRIGHT EURO	0E	0	0.91	-100.0%	0	-	0	0.52	-100.0%
PETRO OUTRIGHT EURO	0F	0	15.36	-100.0%	1.36	-100.0%	4	18.37	-79.2%
PETRO OUTRIGHT EURO	1T	0	0	-	0	-	0	0.03	-100.0%
PETRO OUTRIGHT EURO	5L	0	0	-	0	-	0	1.39	-68.7%
PETRO OUTRIGHT EURO	63	0	0	-	0	-	0	0.1	32.5%
PETRO OUTRIGHT EURO	7I	0	2.27	-100.0%	2.95	-100.0%	1	4.41	-83.0%
PETRO OUTRIGHT EURO	7R	0	2	-100.0%	0.27	-100.0%	1	7.71	-93.3%
PETRO OUTRIGHT EURO	88	0	1.14	-100.0%	0	-	0	0.17	-100.0%
PETRO OUTRIGHT EURO	CBB	0	0	-	0	-	0	0	-
PETRO OUTRIGHT EURO	CGB	0	0	-	0	-	0	0.14	-65.3%
PETRO OUTRIGHT EURO	CPB	3	6.23	-56.2%	1.14	140.0%	7	12.17	-40.3%
PETRO OUTRIGHT EURO	EFF	0	0	-	0	-	0	0.79	-65.8%
PETRO OUTRIGHT EURO	EFM	0	0	-	0	-	0	0.21	-100.0%
PETRO OUTRIGHT EURO	ENS	0	0	-	0	-	0	0.9	-100.0%
PETRO OUTRIGHT EURO	EWN	0	9.45	-100.0%	0.77	-100.0%	1	26.21	-94.9%
PETRO OUTRIGHT EURO	FLB	0	0	-	0	-	0	0.04	-100.0%

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<b>Energy Futures</b>									
PETRO OUTRIGHT EURO	GNO	0	0	-	0	-	0	0	-
PETRO OUTRIGHT EURO	H5G	0	2.73	-100.0%	0	-	2	0.82	123.5%
PETRO OUTRIGHT EURO	JFB	0	0	-	0	-	0	0	-
PETRO OUTRIGHT EURO	M1B	33	0	-	51.05	-34.8%	28	0	-
PETRO OUTRIGHT EURO	M35	0	0	-	0	-	0	0	-
PETRO OUTRIGHT EURO	MBB	1	0	-	0	-	0	0	-
PETRO OUTRIGHT EURO	MBN	20	10.91	87.5%	5	309.1%	16	15.77	-1.4%
PETRO OUTRIGHT EURO	MEF	10	10.32	-3.1%	5.32	88.0%	6	16.42	-60.7%
PETRO OUTRIGHT EURO	R53	0	0.27	-100.0%	0	-	1	0.37	188.7%
PETRO OUTRIGHT EURO	R5B	0	0	-	0	-	0	0	-
PETRO OUTRIGHT EURO	R5M	17	3.23	435.2%	16.27	6.1%	21	3.52	484.9%
PETRO OUTRIGHT EURO	R5O	64	0.23	28176.6%	49.14	30.8%	39	0.93	4139.4%
PETRO OUTRIGHT EURO	RBM	0	0	-	0	-	0	0	-
PETRO OUTRIGHT EURO	S5B	0	0	-	0.05	0.0%	0	0	-
PETRO OUTRIGHT EURO	S5F	2	0	-	3.68	-56.8%	5	0	-
PETRO OUTRIGHT EURO	S5M	55	5.73	856.3%	78.41	-30.1%	70	1.58	4366.9%
PETRO OUTRIGHT EURO	S5O	56	0	-	27.05	108.2%	31	0	-
PETRO OUTRIGHT EURO	SMU	0	22.73	-100.0%	0	-	0	4.28	-100.0%
PETRO OUTRIGHT EURO	T0	0	0	-	0	-	0	0	-
PETRO OUTRIGHT EURO	T2B	0	0	-	0.91	-100.0%	0	0.1	32.5%
PETRO OUTRIGHT EURO	TMB	0	0	-	0	-	0	0	-
PETRO OUTRIGHT EURO	ULB	0	0	-	0	-	0	0	-
PETRO OUTRIGHT EURO	UNB	0	0	-	0	-	2	0	-
PETRO OUTRIGHT EURO	V0	0	0	-	0	-	0	0	-
PETRO OUTRIGHT NA	AB6	6	0	-	15.23	-62.7%	4	0	-
PETRO OUTRIGHT NA	BCR	19	0	-	4.55	325.0%	7	0	-
PETRO OUTRIGHT NA	DBB	0	0	-	0	-	1	0	-
PETRO OUTRIGHT NA	FCB	0	10.45	-100.0%	0	-	0	2.92	-100.0%
PETRO OUTRIGHT NA	H5B	0	0	-	11.36	-100.0%	12	0	-
PETRO OUTRIGHT NA	JE	0	0	-	4.77	-100.0%	6	0.41	1265.5%
PETRO OUTRIGHT NA	JET	30	110.23	-73.2%	2.27	1200.0%	36	123.84	-71.2%
PETRO OUTRIGHT NA	JTB	0	43.18	-100.0%	10.23	-100.0%	14	36.13	-62.1%
PETRO OUTRIGHT NA	MBL	0	0	-	0	-	1	0	-
PETRO OUTRIGHT NA	MEN	3	3.09	0.0%	1.73	78.9%	4	9.01	-57.9%
PETRO OUTRIGHT NA	MEO	26	148.59	-82.8%	78.14	-67.4%	63	129.68	-51.5%

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<b>Energy Futures</b>									
PETRO OUTRIGHT NA	MFD	0	0.45	-100.0%	0	-	0	2.02	-87.2%
PETRO OUTRIGHT NA	MMF	0	2.95	-100.0%	0	-	0	4.6	-89.7%
PJM AD HUB 5MW REAL TIME	V3	0	0	-	0	-	0	802.6	-100.0%
PJM AD HUB 5MW REAL TIME	Z9	0	0	-	0	-	0	17.53	-100.0%
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	-	0	8.8	-100.0%
PJM NI HUB 5MW REAL TIME	B6	0	0	-	0	-	0	160	-100.0%
PJM NILL DA OFF-PEAK	L3	0	0	-	0	-	0	0	-
PJM NILL DA PEAK	N3	0	0	-	0	-	0	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	0	-
PJM WESTHDA PEAK	J4	0	0	-	0	-	0	0	-
PJM WESTH RT OFF-PEAK	N9	0	0	-	0	-	0	322.6	-100.0%
PJM WESTH RT PEAK	L1	0	23.36	-100.0%	314.18	-100.0%	108	322.53	-66.6%
PLASTICS	PGP	110	28.18	289.4%	60	82.9%	57	35.48	59.5%
PREMIUM UNLND 10P FOB MED	3G	0	1.5	-100.0%	0	-	1	5.29	-79.7%
PREMIUM UNLEAD 10PPM FOB	8G	0	0.68	-100.0%	0	-	0	0.23	-100.0%
PREM UNL GAS 10PPM RDAM FOB BALMO	7N	0	0	-	0	-	0	0.14	-100.0%
PREM UNL GAS 10PPM RDAM FOB SWAP	7L	0	0	-	0	-	0	0.21	-100.0%
PROPANE NON-LDH MB (OPIS) BALMO SWP	1S	42	61.05	-32.0%	78	-46.8%	82	75.85	7.9%
PROPANE NON-LDH MT. BEL (OPIS) SWP	1R	793	1,367.91	-42.0%	951.95	-16.7%	1,138	923.04	23.3%
RBOB CALENDAR SWAP	RL	228	185.59	23.1%	312.23	-26.8%	270	302.53	-10.8%
RBOB CRACK SPREAD	RM	13	25.45	-50.0%	85.91	-85.2%	67	59.76	12.1%
RBOB CRACK SPREAD BALMO S	1E	0	0	-	0	-	0	0.17	-100.0%
RBOB GASOLINE BALMO CLNDR	1D	54	37.32	44.8%	30.64	76.4%	32	48.25	-33.2%
RBOB PHY	RBL	0	0	-	0	-	0	0	-

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<b>Energy Futures</b>									
RBOB VS HEATING OIL SWAP	RH	18	0	-	4.55	300.0%	29	0.51	5448.6%
SAN JUAN BASIS SWAP	NJ	0	0	-	0	-	0	0	-
SAN JUAN PIPE SWAP	XX	0	0	-	0	-	0	0	-
SINGAPORE 180CST BALMO	BS	0	0.68	-100.0%	0	-	0	0.64	-56.2%
SINGAPORE 380CST BALMO	BT	0	15.59	-100.0%	0	-	0	4.06	-93.5%
SINGAPORE 380CST FUEL OIL	SE	1	120.41	-99.2%	13.59	-92.6%	13	150.02	-91.2%
SINGAPORE FUEL 180CST CAL	UA	0	12.14	-98.9%	1.41	-90.3%	1	14.02	-90.5%
SINGAPORE FUEL OIL SPREAD	SD	0	3.41	-100.0%	0	-	1	2.98	-81.7%
SINGAPORE GASOIL	MAF	6	111	-94.3%	9	-29.8%	11	86.91	-87.8%
SINGAPORE GASOIL	MTB	0	1.14	-100.0%	0	-	0	2.25	-81.3%
SINGAPORE GASOIL	MTS	8	211.68	-96.5%	6.95	7.8%	20	180.8	-88.8%
SINGAPORE GASOIL	SBM	5	0	-	0.91	460.0%	2	0	-
SINGAPORE GASOIL	STZ	0	0	-	0	-	0	0	-
SINGAPORE GASOIL CALENDAR	GHS	0	12.27	-100.0%	0	-	0	1.85	-100.0%
SINGAPORE GASOIL CALENDAR	MGO	0	0	-	0	-	0	0	-
SINGAPORE GASOIL CALENDAR	MSG	40	11.68	242.0%	16.09	148.3%	42	8.39	406.5%
SINGAPORE GASOIL SWAP	SG	8	41.27	-81.7%	24.68	-69.4%	48	51.34	-6.0%
SINGAPORE GASOIL VS ICE	GA	0	6.82	-100.0%	0	-	2	30.75	-93.8%
SINGAPORE JET KERO BALMO	BX	0	0	-	0	-	2	0	-
SINGAPORE JET KERO GASOIL	RK	0	0	-	0	-	0	0.68	-100.0%
SINGAPORE JET KEROSENE SW	KS	7	19.32	-63.5%	12.73	-44.6%	37	29.38	24.3%
SINGAPORE MOGAS 92 UNLEADED BALMO	1P	0	2.27	-100.0%	0	-	0	10.1	-98.3%
SINGAPORE MOGAS 92 UNLEADED SWP	1N	35	266.68	-86.9%	211.82	-83.5%	162	559.53	-71.0%
SING FUEL	MSD	0	0	-	0	-	0	0	-
Sumas Basis Swap	NK	0	0	-	0	-	0	0	-
TC2 ROTTERDAM TO USAC 37K	TM	0	24.82	-100.0%	0	-	0	13.49	-100.0%
TC5 RAS TANURA TO YOKOHAM	TH	0	24.09	-100.0%	0	-	1	16.99	-94.4%
TCO BASIS SWAP	TC	0	0	-	0	-	0	0	-
TD3 MEG TO JAPAN 250K MT	TL	43	307.27	-85.9%	51.82	-16.2%	118	239.6	-50.7%
TEXAS EASTERN ZONE M-3 BA	NX	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	0.14	-100.0%
UK NBP NAT GAS CAL MTH FUT	UKG	7	6.82	3.3%	6.14	14.8%	14	22.6	-36.8%
ULSD UP-DOWN BALMO SWP	1L	108	230.45	-53.4%	95.86	12.1%	274	257.64	6.4%

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<b>Energy Futures</b>									
UP DOWN GC ULSD VS NMX HO	LT	1,508	1,263.5	19.3%	1,734.59	-13.1%	2,449	1,382.13	77.2%
WAHA BASIS	NW	0	0	-	0	-	0	4.45	-100.0%
WTI-BRENT BULLET SWAP	BY	0	25	-100.0%	0	-	0	9.68	-100.0%
WTI-BRENT CALENDAR SWAP	BK	828	1,647.64	-49.8%	679.68	21.8%	1,952	1,754.98	11.2%
WTI CALENDAR	CS	1,938	1,674.95	15.7%	2,794.5	-30.7%	3,285	2,038.12	61.2%
WTI MIDLAND CRUDE OIL	WTL	0	0	-	0	-	2	0	-
WTS (ARGUS) VS WTI SWAP	FF	528	170.45	209.6%	94.36	459.2%	331	237.48	39.5%
WTS (ARGUS) VS WTI TRD MT	FH	35	0	-	0	-	66	33.79	93.9%

### Energy Options

BRENT CALENDAR SWAP	BA	5	0	-	168.82	-97.2%	32	20.75	55.4%
BRENT CRUDE OIL 1 M CSO	9C	0	115.45	-100.0%	502.27	-100.0%	234	241.03	-3.0%
BRENT OIL LAST DAY	BE	607	1,111.82	-45.4%	1,090.91	-44.4%	1,397	2,036.16	-31.4%
BRENT OIL LAST DAY	BZO	1,337	3,406.27	-60.7%	1,638.18	-18.4%	2,520	4,825.68	-47.8%
BRENT OIL LAST DAY	OS	0	0	-	0	-	0	0	-
COAL API2 INDEX	CLA	0	2.27	-100.0%	0	-	0	1.44	-100.0%
COAL API2 INDEX	CQA	0	6.82	-100.0%	0	-	0	4.52	-100.0%
CRUDE OIL	6Y	0	0	-	0	-	0	1.03	-100.0%
CRUDE OIL 1MO	WA	4,893	11,405.68	-57.1%	3,206.82	52.6%	10,520	11,317.37	-7.0%
CRUDE OIL APO	AO	1,307	1,643.09	-20.5%	3,249.09	-59.8%	2,806	2,364.31	18.7%
CRUDE OIL CALNDR STRIP	6F	0	0	-	2.27	-100.0%	0	1.37	-75.2%
CRUDE OIL OUTRIGHTS	AH	0	0	-	0	-	0	0	-
CRUDE OIL OUTRIGHTS	WCI	0	0	-	0	-	0	6.58	-100.0%
CRUDE OIL PHY	CD	0	0	-	50	-100.0%	13	7.88	59.8%
CRUDE OIL PHY	LC	432	423.41	2.0%	378.18	14.2%	617	510.98	20.7%
CRUDE OIL PHY	LO	68,219	114,503.64	-40.4%	97,333.05	-29.9%	133,888	128,855.12	3.9%
CRUDE OIL PHY	LO1	221	691.82	-68.0%	306.77	-27.9%	1,006	770.3	30.6%
CRUDE OIL PHY	LO2	169	565.86	-70.2%	275.59	-38.8%	581	735.03	-20.9%
CRUDE OIL PHY	LO3	117	565.27	-79.3%	317.82	-63.2%	636	464.76	36.9%
CRUDE OIL PHY	LO4	314	570.86	-45.0%	473.73	-33.7%	999	784.36	27.4%
CRUDE OIL PHY	LO5	280	0	-	0	-	326	262.08	24.4%
ETHANOL SWAP	CVR	420	717.86	-41.5%	149.14	181.5%	191	468.41	-59.2%
ETHANOL SWAP	GVR	0	0	-	0	-	4	5.34	-23.6%
FREIGHT MARKETS	TDT	0	0	-	0	-	0	0	-

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<b>Energy Options</b>									
HEATING OIL PHY	LB	8	17.73	-55.1%	9.09	-12.5%	21	9.6	119.2%
HEATING OIL PHY	OH	291	1,154.23	-74.8%	457.45	-36.5%	708	1,395.86	-49.3%
HENRY HUB FINANCIAL LAST	E7	646	186.36	246.7%	62	942.0%	316	315.23	0.4%
HO 1 MONTH CLNDR OPTIONS	FA	0	0	-	0	-	1	14.73	-95.4%
LLS CRUDE OIL	WJO	0	0	-	0	-	0	0	-
MCCLOSKEY ARA ARGS COAL	MTO	51	0	-	75.55	-32.3%	40	0.89	4348.8%
MCCLOSKEY RCH BAY COAL	MFO	0	9.09	-100.0%	6.82	-100.0%	3	5.96	-51.5%
NATURAL GAS 1 M CSO FIN	G4	3,552	3,729.55	-4.8%	3,127.27	13.6%	3,884	1,981.68	96.0%
NATURAL GAS 2 M CSO FIN	G2	73	56.82	28.0%	147.73	-50.8%	76	24.83	204.1%
NATURAL GAS 3 M CSO FIN	G3	3,968	1,575	151.9%	3,481.82	14.0%	2,288	815.07	180.8%
NATURAL GAS 5 M CSO FIN	G5	0	0	-	0	-	71	7.53	843.5%
NATURAL GAS 6 M CSO FIN	G6	0	81.82	-100.0%	0	-	901	243.32	270.2%
NATURAL GAS OPT	TFO	1,033	0	-	3,643.64	-71.7%	1,092	0	-
NATURAL GAS OPTION ON CALENDAR STR	6J	68	284.55	-76.0%	36.36	87.5%	124	105.21	18.3%
NATURAL GAS PHY	KD	133	145.95	-8.6%	139.68	-4.5%	219	115.38	90.2%
NATURAL GAS PHY	LN	83,810	69,810.55	20.1%	87,777.59	-4.5%	112,035	68,683.39	63.1%
NATURAL GAS PHY	ON	4,164	5,893.64	-29.4%	4,600.41	-9.5%	6,391	5,974.99	7.0%
NATURAL GAS SUMMER STRIP	4D	18	0	-	0	-	3	0	-
NATURAL GAS WINTER STRIP	6I	0	0	-	0	-	4	8.9	-54.2%
N ROCKIES PIPE SWAP	ZR	0	43.64	-100.0%	0	-	0	21.08	-100.0%
NY HARBOR HEAT OIL SWP	AT	44	21	111.7%	32.14	38.3%	100	106.05	-5.9%
PETROCHEMICALS	4H	0	1.73	-100.0%	2.14	-100.0%	4	31.6	-86.9%
PETROCHEMICALS	4J	27	0	-	0	-	4	1.37	212.8%
PETROCHEMICALS	4K	0	0	-	0	-	0	1.1	-100.0%
PETROCHEMICALS	CPR	0	0	-	0	-	1	0.27	212.8%
PETRO OUTRIGHT EURO	BCO	0	0	-	0	-	0	0.16	-75.2%
PETRO OUTRIGHT NA	1N5	0	0	-	9.09	-100.0%	1	0	-
PETRO OUTRIGHT NA	DAP	0	5.45	-100.0%	4.09	-100.0%	7	1.64	332.5%
PJM WES HUB PEAK CAL MTH	6OA	0	4.55	-100.0%	6.82	-100.0%	5	4.38	19.5%
PJM WES HUB PEAK LMP 50MW	PMA	0	0	-	0	-	0	5.73	-100.0%
RBOB 1MO CAL SPD OPTIONS	ZA	0	0	-	0	-	0	1.03	-100.0%
RBOB CALENDAR SWAP	RA	30	5.45	441.7%	9.82	200.9%	7	2.61	164.9%
RBOB CRACK	RX	0	0	-	0	-	0	0	-
RBOB PHY	OB	214	527.27	-59.4%	376.5	-43.1%	424	786.17	-46.1%
RBOB PHY	RF	0	27.27	-100.0%	1.14	-100.0%	7	11.12	-37.7%



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<b>Energy Options</b>									
SAN JUAN PIPE SWAP	PJ	0	27.45	-100.0%	0	-	0	12.86	-100.0%
SHORT TERM	U11	0	20.45	-100.0%	0	-	1	4.79	-85.8%
SHORT TERM	U12	0	4.55	-100.0%	0	-	2	5.48	-56.5%
SHORT TERM	U13	2	0	-	0	-	4	1.03	264.2%
SHORT TERM	U14	0	0	-	0	-	1	0.34	297.3%
SHORT TERM	U15	0	15.91	-100.0%	0	-	4	8.05	-49.3%
SHORT TERM	U22	0	0	-	0	-	0	0.01	-100.0%
SHORT TERM	U23	0	0	-	4.55	-100.0%	1	0.12	484.5%
SHORT TERM	U24	0	4.55	-100.0%	0	-	0	1.71	-80.1%
SHORT TERM	U26	0	0	-	0	-	0	0	-
SHORT TERM NATURAL GAS	U01	0	0	-	0	-	3	3.6	-5.4%
SHORT TERM NATURAL GAS	U02	9	0	-	4.55	100.0%	3	0	-
SHORT TERM NATURAL GAS	U03	0	9.09	-100.0%	0	-	3	4.14	-26.0%
SHORT TERM NATURAL GAS	U04	0	0	-	0	-	9	4.11	106.9%
SHORT TERM NATURAL GAS	U05	0	0	-	0	-	2	1.37	73.8%
SHORT TERM NATURAL GAS	U06	2	0	-	0	-	0	2.77	-87.7%
SHORT TERM NATURAL GAS	U07	0	0	-	0	-	3	4.11	-17.2%
SHORT TERM NATURAL GAS	U08	0	4.55	-100.0%	0	-	2	4.11	-42.1%
SHORT TERM NATURAL GAS	U09	0	6.82	-100.0%	0	-	0	1.71	-100.0%
SHORT TERM NATURAL GAS	U10	0	11.36	-100.0%	0	-	1	1.71	-60.3%
SHORT TERM NATURAL GAS	U16	0	4.55	-100.0%	0	-	1	1.37	-50.3%
SHORT TERM NATURAL GAS	U17	6	6.82	-16.7%	4.55	25.0%	2	1.03	115.2%
SHORT TERM NATURAL GAS	U18	0	4.55	-100.0%	0	-	1	0.86	-20.5%
SHORT TERM NATURAL GAS	U19	0	0	-	0	-	2	0	-
SHORT TERM NATURAL GAS	U20	0	0	-	0	-	2	2.05	-0.7%
SHORT TERM NATURAL GAS	U21	0	0	-	0	-	1	0.34	98.6%
SHORT TERM NATURAL GAS	U27	0	0	-	0	-	2	0	-
SHORT TERM NATURAL GAS	U28	0	0	-	0	-	4	2.91	40.2%
SHORT TERM NATURAL GAS	U29	0	0	-	0	-	6	0	-
SHORT TERM NATURAL GAS	U30	0	0	-	0	-	7	1.37	409.0%
SHORT TERM NATURAL GAS	U31	0	15.91	-100.0%	0	-	1	8.22	-87.6%
WTI-BRENT BULLET SWAP	BV	650	1,340.91	-51.5%	1,095.45	-40.7%	2,949	2,370.41	24.4%
WTI CRUDE OIL 1 M CSO FI	7A	3,239	910.45	255.7%	3,240.23	0.0%	4,606	2,639.01	74.5%

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Ag Products Futures								
CJ	0	0	-	0	-	0	0.05	-100.0%
KT	0	0	-	0	-	0	0	-
TT	0	0.64	-100.0%	0	-	0	0.2	-21.2%
YO	0	0	-	0	-	0	0.07	-100.0%
Energy Futures								
	0	0.64	-100.0%	0	-	0	0.32	-51.4%
	1,514,393	1,960,519.09	-22.8%	1,767,403.5	-14.3%	2,431,261	2,140,897.96	13.6%
	659,757	667,254.41	-1.1%	483,173.36	36.5%	626,518	548,676.19	14.2%
	2,174,150	2,627,774.14	-17.3%	2,250,576.86	-3.4%	3,057,778.27	2,689,574.47	13.7%
Metals Futures								
	180,360	221,699.68	-18.6%	217,499.09	-17.1%	292,132	239,450.97	22.0%
	65,670	92,501.73	-29.0%	47,413.09	38.5%	79,384	73,566.89	7.9%
	246,029	314,201.41	-21.7%	264,912.18	-7.1%	371,515.77	313,017.86	18.7%
Energy Options								
	725,426	759,756.14	-4.5%	530,586.45	36.7%	705,902	622,243.08	13.4%
	1,694,753	2,182,218.77	-22.3%	1,984,902.59	-14.6%	2,723,392	2,380,348.93	14.4%
	0	0.64	-100.0%	0	-	0	0.32	-51.4%
	2,420,179	2,941,975.55	-17.7%	2,515,489.05	-3.8%	3,429,294.05	3,002,592.34	14.2%