

NYMEX/COMEX Exchange ADV Report - Monthly

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Commodity		ADV MAR 2019	ADV MAR 2018	% CHG	ADV FEB 2019	% CHG	ADV Y.T.D 2019	ADV Y.T.D 2018	% CHG
Metals Futures									
COMEX GOLD	GC	319,596	382,670.57	-16.5%	211,080.95	51.4%	278,162	381,582.36	-27.1%
NYMEX HOT ROLLED STEEL	HR	627	459.76	36.4%	804.26	-22.1%	822	478.07	72.0%
NYMEX PLATINUM	PL	30,151	26,796.19	12.5%	20,233.89	49.0%	22,624	22,185.26	2.0%
PALLADIUM	PA	5,390	4,822.71	11.8%	7,759.63	-30.5%	6,027	5,976.28	0.9%
URANIUM	UX	148	9.52	1458.5%	52.63	182.0%	93	14.51	541.2%
COMEX SILVER	SI	67,549	87,729.57	-23.0%	93,871.58	-28.0%	77,514	101,387.36	-23.5%
COMEX E-Mini GOLD	QO	391	323.86	20.7%	267.53	46.1%	320	353.39	-9.4%
COMEX E-Mini SILVER	QI	148	59.9	146.6%	146.05	1.1%	110	61.61	78.6%
COMEX COPPER	HG	83,245	119,550.05	-30.4%	128,504.89	-35.2%	101,732	135,612.61	-25.0%
COMEX MINY COPPER	QC	25	19.14	32.8%	34.95	-27.2%	27	30.62	-10.4%
ALUMINUM	A38	0	0	-	0	-	0	0	-
ALUMINUM	AEP	11	71.33	-84.0%	83.11	-86.2%	91	66.36	36.6%
ALUMINUM	ALA	6	1.43	300.0%	0	-	2	14.34	-86.3%
ALUMINUM	ALI	0	0	-	0	-	0	0	-
ALUMINUM	AUP	219	580.1	-62.2%	251.89	-13.0%	310	643.49	-51.8%
ALUMINUM	CUP	0	0	-	0	-	0	3.36	-100.0%
ALUMINUM	EDP	181	102.38	77.2%	134.74	34.7%	123	106.85	15.6%
ALUMINUM	MJP	63	209.29	-70.1%	45.26	38.3%	36	100.08	-63.6%
COPPER	HGS	20	183.19	-89.0%	63	-68.0%	40	153.8	-73.9%
E-MICRO GOLD	MGC	11,644	5,578.52	108.7%	8,704.26	33.8%	10,143	6,323.72	60.4%
FERROUS PRODUCTS	BUS	28	37.1	-25.7%	72.79	-62.1%	48	126.34	-61.8%
Gold Kilo	GCK	0	1.67	-100.0%	0	-	0	1.25	-100.0%
IRON ORE 62 CHINA PLATTS FUTURES	PIO	0	0	-	0	-	0	0	-
IRON ORE 62 CHINA TSI FUTURES	TIO	296	279.52	6.0%	285.79	3.7%	409	177.46	130.2%
LNDN ZINC	ZNC	6	0	-	14.74	-60.6%	16	0.54	2836.3%
SILVER	SIL	662	245.24	169.9%	921.95	-28.2%	767	326.77	134.6%

Metals Options

COMEX COPPER	HX	3,120	847.67	268.1%	3,699.58	-15.7%	3,055	948.39	222.1%
COMEX GOLD	OG	56,328	44,789.71	25.8%	38,292.05	47.1%	48,164	47,268.57	1.9%
COMEX SILVER	SO	5,943	5,987.86	-0.7%	5,755.26	3.3%	6,432	6,786.77	-5.2%
COPPER	H1E	0	0	-	1.05	-54.8%	1	0	-
COPPER	H2E	0	0	-	0	-	0	0	-
COPPER	H3E	1	0	-	0.53	-0.5%	0	0	-

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Metals Options									
COPPER	H4E	0	0	-	0.32	50.8%	0	0	-
COPPER	H5E	0	0	-	0	-	0	0	-
GOLD	OG1	931	449.86	107.0%	1,435.95	-35.1%	963	497.89	93.4%
GOLD	OG2	1,692	324.86	420.8%	768.84	120.1%	1,073	413.05	159.8%
GOLD	OG3	1,384	323.81	327.3%	554.47	149.5%	888	464.93	90.9%
GOLD	OG4	593	219.71	169.7%	338.05	75.3%	435	252.89	71.9%
GOLD	OG5	653	325.48	100.8%	0	-	225	112.05	100.8%
HOT ROLLED COIL STEEL CALL OPTION	HRO	29	0	-	0	-	10	0	-
IRON ORE 62 CHINA TSI CALL OPTION	ICT	154	9.52	1520.0%	7.89	1854.3%	58	3.28	1655.0%
IRON ORE 62 CHINA TSI PUT OPTION	ICT	86	17.14	400.0%	0	-	30	17.7	66.7%
NYMEX PLATINUM	PO	93	165.57	-43.7%	217.53	-57.2%	170	190.05	-10.7%
PALLADIUM	PAO	75	151.62	-50.7%	54.53	37.2%	65	160.2	-59.7%
SILVER	SO1	29	16.67	74.3%	28.21	3.0%	42	8.2	409.4%
SILVER	SO2	46	7.38	526.4%	25.84	78.9%	31	3.85	705.1%
SILVER	SO3	65	12.71	414.6%	61.21	6.9%	56	7.16	677.1%
SILVER	SO4	18	4.67	278.6%	11.32	56.1%	12	5.23	127.6%
SILVER	SO5	62	6.33	881.2%	0	-	21	2.18	881.2%

Energy Futures

CRUDE OIL PHY	CL	1,134,476	1,190,641.24	-4.7%	1,194,650.89	-5.0%	1,188,323	1,316,246	-9.7%
CRUDE OIL	WS	354	23.81	1388.2%	248.37	42.7%	256	71.13	260.2%
MINY WTI CRUDE OIL	QM	17,476	14,691.52	19.0%	20,029.79	-12.7%	20,584	13,661.2	50.7%
BRENT OIL LAST DAY	BZ	89,409	86,719.86	3.1%	80,126.11	11.6%	82,890	80,103.25	3.5%
HEATING OIL PHY	HO	161,061	176,944.71	-9.0%	160,160.84	0.6%	161,536	198,108.69	-18.5%
HTG OIL	BH	0	0	-	0	-	0	0	-
MINY HTG OIL	QH	0	0.14	33.3%	0.16	20.6%	0	0.16	0.0%
RBOB PHY	RB	240,441	190,136.29	26.5%	192,652.16	24.8%	207,172	198,335.02	4.5%
MINY RBOB GAS	QU	0	0.1	350.2%	0.32	35.7%	0	0.15	133.4%
NATURAL GAS	HP	3,884	4,836.19	-19.7%	6,587.84	-41.0%	5,516	8,097.87	-31.9%
LTD NAT GAS	HH	13,180	14,685.1	-10.2%	19,152.11	-31.2%	16,610	20,218.39	-17.8%
MINY NATURAL GAS	QG	964	949.57	1.5%	1,175.74	-18.0%	1,399	1,887.36	-25.9%
PJM MONTHLY	JM	0	0	-	0	-	0	0	-
NATURAL GAS PHY	NG	289,273	347,023.19	-16.6%	385,751.68	-25.0%	370,062	490,659.95	-24.6%

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Energy Futures									
RBOB GAS	RT	0	91.43	-100.0%	0	-	0	183.61	-100.0%
3.5% FUEL OIL CID MED SWA	7D	0	1.86	-87.2%	0	-	0	5.72	-98.6%
3.5% FUEL OIL CIF BALMO S	8D	0	0	-	1.05	-100.0%	0	0	-
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	711	884.38	-19.6%	900.79	-21.1%	779	1,465.82	-46.8%
ARGUS PROPAN FAR EST INDE	7E	317	346.86	-8.6%	277.42	14.3%	319	330.16	-3.4%
ARGUS PROPAN(SAUDI ARAMCO	9N	134	137	-1.9%	140.21	-4.2%	148	130.8	12.8%
AUSTRIALIAN COKE COAL	ACT	0	0	-	0	-	0	0	-
AUSTRIALIAN COKE COAL	ALW	0	0	-	0	-	0	0	-
BRENT BALMO SWAP	J9	11	0	-	6.58	61.4%	6	0.82	596.0%
BRENT CALENDAR SWAP	CY	80	37.9	111.4%	212.21	-62.2%	168	49.21	241.8%
BRENT CFD SWAP	6W	0	14.29	-100.0%	0	-	0	4.92	-100.0%
BRENT FINANCIAL FUTURES	BB	0	309.52	-100.0%	0	-	57	172.13	-66.7%
BRENT FINANCIAL FUTURES	MBC	3	0	-	0	-	1	0	-
BRENT FINANCIAL FUTURES	MDB	0	0	-	0	-	0	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	0.59	-100.0%
CHICAGO ETHANOL SWAP	CU	6,252	5,300.05	18.0%	4,846.95	29.0%	5,323	5,426.15	-1.9%
CHICAGO ULSD PL VS HO SPR	5C	7	8.57	-16.7%	37.95	-81.2%	30	17.61	70.5%
CHICAGO UNL GAS PL VS RBO	3C	0	10.71	-100.0%	21.32	-100.0%	8	8.61	-1.9%
CIG BASIS	CI	0	0	-	0	-	0	2.3	-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	12	50.29	-75.4%	46.84	-73.6%	36	57.44	-36.8%
CIN HUB 5MW REAL TIME O P	H4	187	0	-	0	-	64	0	-
CIN HUB 5MW REAL TIME PK	H3	0	0	-	17.11	-100.0%	5	0	-
COAL SWAP	ACM	0	6.43	-100.0%	0	-	0	2.46	-100.0%
COLUMB GULF MAINLINE NG B	5Z	0	0	-	0	-	0	0	-
CONWAY NATURAL GASOLINE (OPIS) SWA	8L	4	2.29	77.1%	31.58	-87.2%	14	8.2	68.8%

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CONWAY NORMAL BUTANE (OPIS) SWAP	8M	15	5.24	193.6%	7.37	108.7%	8	3.11	170.0%
CONWAY PROPANE 5 DECIMALS SWAP	8K	532	851.05	-37.5%	592.11	-10.2%	695	764.48	-9.1%
CRUDE OIL	LPS	104	238.1	-56.5%	150	-31.0%	149	244.67	-39.2%
CRUDE OIL OUTRIGHTS	42	3	11.48	-76.8%	16.68	-84.0%	26	8.84	193.5%
CRUDE OIL OUTRIGHTS	CC5	4	0	-	4.74	-9.5%	13	0	-
CRUDE OIL OUTRIGHTS	CPD	0	15.43	-100.0%	0	-	0	46.82	-100.0%
CRUDE OIL OUTRIGHTS	CSW	51	0	-	8.95	474.8%	30	0.08	36885.2%
CRUDE OIL OUTRIGHTS	DBL	0	1.14	-100.0%	0	-	0	0.39	-100.0%
CRUDE OIL OUTRIGHTS	GSW	0	0	-	14.53	-100.0%	5	1.72	162.9%
CRUDE OIL OUTRIGHTS	HTT	3,250	1,714.1	89.6%	2,813.16	15.5%	2,770	2,487.93	11.3%
CRUDE OIL OUTRIGHTS	LSW	3	0	-	7.89	-63.8%	34	3.77	797.8%
CRUDE OIL OUTRIGHTS	SSW	0	0	-	0	-	0	0	-
CRUDE OIL OUTRIGHTS	UMD	0	42.86	-100.0%	0	-	0	65.57	-100.0%
CRUDE OIL OUTRIGHTS	UNS	0	120.86	-100.0%	0	-	0	91.05	-100.0%
CRUDE OIL OUTRIGHTS	WCC	0	0	-	0	-	0	0	-
CRUDE OIL OUTRIGHTS	WCW	185	677.24	-72.7%	116.05	59.2%	345	522.16	-33.9%
CRUDE OIL PHY	CLL	0	0	-	0	-	0	0	-
CRUDE OIL PHY	HCL	1,105	0	-	1,303.68	-15.2%	1,140	0	-
CRUDE OIL SPRDS	38	0	0	-	0	-	0	18.93	-100.0%
CRUDE OIL SPRDS	WTT	633	1,752.43	-63.9%	1,158.26	-45.4%	930	2,927.38	-68.2%
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	19.05	-100.0%	0	-	10	33.77	-70.9%
DIESEL 10P BRG FOB RDM VS	7X	0	0	-	0	-	0	0.08	-100.0%

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Energy Futures									
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	5.95	-100.0%	0	-	0	2.05	-100.0%
DUBAI CRUDE OIL CALENDAR	DC	42	36.1	15.2%	478.16	-91.3%	251	127.21	97.1%
DUTCH TTF NATURAL GAS CAL MONTH FUT	TTF	548	58.57	835.9%	639.32	-14.3%	448	39.43	1036.3%
EASTERN RAIL DELIVERY CSX	QX	0	0.71	-100.0%	0	-	0	1.97	-100.0%
EAST/WEST FUEL OIL SPREAD	EW	0	0.57	-100.0%	0	-	0	2.25	-100.0%
EIA FLAT TAX ONHWAY DIESE	A5	2	4.1	-53.5%	18.89	-89.9%	17	7.21	133.6%
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	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	30	-100.0%	0	-	0	24.75	-100.0%
ERCOT NORTH ZMCPE 5MW OFFPEAK	I8	0	0	-	0	-	0	0	-
ERCOT NORTH ZMCPE 5MW OFFPEAK SWA	I6	0	0	-	0	-	0	0	-
ERCOT NORTH ZMCPE 5MW PEAK	I5	0	30	-100.0%	0	-	0	75.57	-100.0%
ETHANOL	MTH	0	0	-	0.53	-100.0%	0	0	-
ETHANOL	Z1B	0	0	-	0	-	0	0	-
ETHANOL SWAP	MT2	3	0.48	600.0%	6.84	-51.3%	3	0.16	2000.4%
ETHANOL T2 FOB ROTT INCL DUTY SWAP	Z1	241	152.29	58.4%	176.26	36.8%	220	149.62	47.2%
EURO 1% FUEL OIL NEW BALM	KX	0	0	-	0	-	0	0.08	-100.0%
EURO 3.5% FUEL OIL RDAM B	KR	5	21.38	-76.6%	0	-	2	27.97	-91.5%
EURO 3.5% FUEL OIL SPREAD	FK	2	8.14	-73.7%	0	-	1	4.77	-84.5%
EURO-DENOMINATED PETRO PROD	NCP	0	0	-	0	-	0	0	-
EURO GASOIL 10PPM VS ICE	ET	0	0.38	-100.0%	0	-	0	5.82	-100.0%
EUROPE 1% FUEL OIL NWE CA	UF	0	4.29	-100.0%	0.21	-100.0%	2	4.23	-63.6%
EUROPE 1% FUEL OIL RDAM C	UH	0	0	-	0	-	0	0	-
EUROPE 3.5% FUEL OIL MED	UI	4	4.71	-21.2%	2.11	76.4%	4	8.18	-45.3%
EUROPE 3.5% FUEL OIL RDAM	UV	87	391.71	-77.7%	32.11	172.5%	71	342.48	-79.3%

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EUROPEAN GASOIL (ICE)	7F	10	19.05	-45.0%	4.21	148.8%	7	15.31	-54.2%
EUROPEAN NAPHTHA BALMO	KZ	14	10.19	34.6%	9.89	38.6%	12	14.69	-15.5%
EUROPEAN NAPHTHA CRACK SPR	EN	305	308.71	-1.3%	302.37	0.8%	280	474.15	-40.9%
EUROPE DATED BRENT SWAP	UB	8	0	-	3.47	141.3%	12	0	-
EUROPE JET KERO NWE CALSW	UJ	0	0	-	0	-	0	0.25	-100.0%
EUROPE NAPHTHA CALSWAP	UN	144	106.43	35.3%	129.37	11.3%	119	184.72	-35.5%
EURO PROPANE CIF ARA SWA	PS	138	94.24	46.4%	64.79	112.9%	104	110.49	-6.2%
FREIGHT MARKETS	FLP	2	11.14	-81.2%	3.95	-46.9%	7	7.34	-4.0%
FREIGHT MARKETS	FRC	17	2.62	545.5%	0	-	6	3.03	100.0%
FREIGHT MARKETS	FRS	0	0	-	0	-	0	0	-
FREIGHT MARKETS	T2D	7	0	-	2.37	201.6%	31	8	284.2%
FREIGHT MARKETS	TC6	0	0	-	0	-	0	3.93	-100.0%
FREIGHT MARKETS	TD3	3	0	-	0	-	1	0	-
FREIGHT MARKETS	TD8	0	0	-	3.16	-100.0%	1	0	-
FUEL OIL CRACK VS ICE	FO	87	344.24	-74.7%	51.53	69.2%	64	239.05	-73.0%
FUEL OIL NWE CRACK VS ICE	FI	0	0	-	0	-	0	2.56	-90.4%
FUEL OIL (PLATS) CAR CM	1W	0	2.38	-100.0%	0	-	0	2.52	-100.0%
FUEL OIL (PLATS) CAR CN	1X	0	0	-	0	-	0	0.74	-100.0%
FUELOIL SWAP:CARGOES VS.B	FS	8	13	-37.4%	20.68	-60.6%	12	15.97	-25.2%
GAS EURO-BOB OXY NWE BARGES	7H	445	346.24	28.5%	308.11	44.4%	390	384.75	1.3%
GAS EURO-BOB OXY NWE BARGES CRK	7K	614	1,046.67	-41.4%	396.21	54.9%	509	1,146.89	-55.6%
GASOIL 0.1CIF MED VS ICE	Z5	0	0.48	-100.0%	0	-	0	0.16	-100.0%
GASOIL 0.1 RDAM BRGS VS I	WQ	0	0	-	0.79	-100.0%	0	0.08	199.9%
GASOIL 0.1 ROTTERDAM BARG	VL	1	0.24	140.0%	0	-	0	0.74	-46.7%
GASOIL 10PPM VS ICE SWAP	TP	1	0.57	25.0%	0	-	0	0.2	100.0%
GASOIL CALENDAR SWAP	GX	0	0.29	-100.0%	2.53	-100.0%	1	0.2	350.0%
GASOIL CRACK SPREAD CALEN	GZ	7	99.24	-92.8%	16.42	-56.5%	8	369.13	-97.9%
GASOIL MINI CALENDAR SWAP	QA	7	0	-	5.95	10.5%	10	6.98	39.0%
GERMAN POWER BASELOAD CAL MONTH F	DEB	235	23.86	886.8%	7.89	2882.1%	97	30.69	217.1%
GROUP THREE ULSD (PLATTS)	A7	0	0	-	0	-	0	1.89	-100.0%
GROUP THREE UNLEAD GAS (P	A9	0	0	-	0	-	0	0	-
GRP THREE ULSD(PLT)VS HEA	A6	123	120.48	1.8%	121.47	0.9%	142	201.97	-29.9%
GRP THREE UNL GS (PLT) VS	A8	233	94.76	145.5%	118.95	95.6%	174	98.16	77.5%
GULF COAST 3% FUEL OIL BA	VZ	52	37.9	38.1%	4.32	1112.6%	44	74.57	-41.3%
GULF COAST JET FUEL CLNDR	GE	2	2	21.4%	0	-	4	4.87	-10.1%
GULF COAST JET VS NYM 2 H	ME	965	2,258.71	-57.3%	947.32	1.9%	916	2,562.61	-64.3%

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Energy Futures									
GULF COAST NO.6 FUEL OIL	MF	1,083	3,059.14	-64.6%	1,189.37	-9.0%	1,312	2,963.87	-55.7%
GULF COAST NO.6 FUEL OIL	MG	13	113.19	-88.1%	12.89	4.5%	15	78.98	-80.9%
GULF COAST ULSD CALENDAR	LY	9	3.81	128.8%	17.74	-50.9%	18	9.08	100.9%
GULF COAST ULSD CRACK SPR	GY	0	4.76	-100.0%	0	-	0	19.59	-100.0%
HEATING OIL BALMO CLNDR S	1G	0	0	-	0.53	-100.0%	0	0.92	-82.1%
HEATING OIL PHY	HOL	0	0	-	0	-	0	0	-
HENRY HUB BASIS SWAP	HB	0	17.14	-100.0%	0	-	0	81.18	-100.0%
HENRY HUB FINANCIAL LAST	NBP	0	65.1	-100.0%	0	-	0	66.69	-100.0%
HENRY HUB FINANCIAL LAST	TTE	0	22.1	-100.0%	0	-	0	9.75	-100.0%
HENRY HUB INDEX SWAP FUTU	IN	0	17.14	-100.0%	0	-	0	81.18	-100.0%
HENRY HUB SWAP	NN	2,856	6,293.1	-54.6%	6,853.11	-58.3%	6,218	8,449	-26.4%
HOUSTON SHIP CHANNEL BASI	NH	0	0	-	0	-	0	0	-
ICE BRENT DUBAI SWAP	DB	48	472.1	-89.8%	260	-81.4%	248	488.1	-49.2%
IN DELIVERY MONTH EUA	6T	0	0	-	0	-	0	0	-
INDIANA MISO	FAD	0	0	-	0	-	0	0	-
INDIANA MISO	FTD	0	0	-	0	-	0	0	-
INDIANA MISO	PDD	0	0	-	0	-	0	0	-
INDIANA MISO	PTD	0	0	-	0	-	0	0	-
INDONESIAN COAL ICI4	ICI	50	4.29	1070.0%	7.11	605.7%	23	1.97	1094.2%
ISO NEW ENGLAND OFF-PEAK	KI	0	0	-	0	-	0	0	-
ISO NEW ENGLAND PK LMP	NI	0	0	-	0	-	0	0	-
JAPAN C&F NAPHTHA CRACK S	JB	0	6.43	-100.0%	0	-	0	11.31	-100.0%
JAPAN C&F NAPHTHA SWAP	JA	80	72.86	10.0%	66.68	20.2%	71	97.26	-26.6%
JAPAN NAPHTHA BALMO SWAP	E6	4	0.71	513.3%	1.32	233.0%	4	1.69	163.1%
JET AV FUEL (P) CAR FM ICE GAS SWAP	1V	0	0	-	0	-	0	0.08	-100.0%
JET CIF NWE VS ICE	JC	0	0	-	0.53	-100.0%	1	6.56	-82.5%
JET FUEL UP-DOWN BALMO CL	1M	130	504.95	-74.2%	120.53	8.3%	158	422.69	-62.6%
JKM LNG Futures	JKM	187	54.76	241.7%	44.74	318.2%	87	23.69	267.1%
LA CARB DIESEL (OPIS) SWA	KL	6	10.71	-44.4%	3.95	50.8%	5	11.07	-57.8%
LA CARBOB GASOLINE(OPIS)S	JL	18	22.62	-21.1%	21.05	-15.2%	26	29.92	-13.7%
LA JET (OPIS) SWAP	JS	49	98.81	-50.6%	60.53	-19.4%	62	113.11	-45.3%
LLS (ARGUS) CALENDAR SWAP	XA	0	0	-	0	-	0	0	-
LLS (ARGUS) VS WTI SWAP	WJ	186	319.67	-41.8%	57.89	221.6%	151	215.36	-30.1%
LOS ANGELES CARB GASOLINE	MH	0	0	-	0	-	0	0	-
MARS (ARGUS) VS WTI SWAP	YX	174	108.33	60.7%	52.63	230.7%	121	180.57	-32.8%
MARS (ARGUS) VS WTI TRD M	YV	534	1,080.76	-50.6%	995.74	-46.4%	1,055	1,557.48	-32.3%

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Energy Futures									
MARS BLEND CRUDE OIL	MB	0	18.52	-100.0%	0	-	0	19.16	-100.0%
MCCLOSKEY ARA ARGS COAL	MTF	1,622	1,192.05	36.1%	1,344.74	20.6%	1,396	1,375.3	1.5%
MCCLOSKEY RCH BAY COAL	MFF	118	149.86	-21.3%	188.53	-37.4%	138	190.92	-27.5%
MGF FUT	MGF	0	0	-	0	-	0	1.31	-100.0%
MGN1 SWAP FUT	MGN	2	4.43	-46.2%	0.53	352.4%	3	5.79	-51.8%
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	13.62	-84.6%	7.11	-70.5%	10	14.54	-28.3%
MINI RBOB V. EBOBARG NWE BRGS BALMO	MXR	11	3.38	223.9%	25.79	-57.5%	26	3.13	735.6%
MINI RBOB V. EBOB(ARGUS) NWE BRGS	MXB	93	60.52	53.8%	108.32	-14.1%	93	68.79	35.6%
MJC FUT	MJC	1	10	-85.7%	2.11	-32.1%	2	12.79	-85.9%
MNC FUT	MNC	256	181.33	41.2%	224.11	14.2%	217	181.08	20.0%
MONT BELVIEU ETHANE 5 DECIMAL	C0	602	707.1	-14.9%	469.53	28.2%	669	816.33	-18.0%
MONT BELVIEU ETHANE OPIS BALMO	8C	2	0.71	233.3%	3.95	-39.7%	10	9.26	5.3%
MONT BELVIEU LDH PROPANE 5 DECIMAL	B0	6,542	5,773.67	13.3%	6,082.74	7.5%	6,356	6,540.77	-2.8%
MONT BELVIEU LDH PROPANE OPIS BALM	8O	122	131.24	-7.4%	159.32	-23.7%	193	192.93	0.0%
MONT BELVIEU NATURAL GASOLINE 5 DEC	7Q	365	444.86	-18.0%	493.53	-26.0%	400	484.41	-17.4%
MONT BELVIEU NATURAL GASOLINE BALM	R0	34	31.67	7.5%	14.63	132.7%	36	25.33	43.0%
MONT BELVIEU NORMAL BUTANE 5 DECIM	D0	1,738	1,249.52	39.1%	1,511.21	15.0%	1,724	1,237.49	39.4%
MONT BELVIEU NORMAL BUTANE BALMO	8J	68	49.1	38.7%	68.74	-0.9%	74	49.82	49.2%
NAT GAS BASIS SWAP	TZ6	0	0	-	0	-	0	0	-
NATURAL GAS	XIC	0	0	-	0	-	0	0	-
NATURAL GAS PEN SWP	NP	991	1,255.81	-21.1%	1,577.11	-37.2%	1,309	2,145.52	-39.0%
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	-	871.58	-100.0%	271	1,015.08	-73.3%
NEPOOL INTR HUB 5MW D AH	U6	0	0	-	0	-	0	55.98	-100.0%
NEPOOL NE MASS 5MW D AH O	P8	0	0	-	0	-	0	0	-
NEPOOL NE MASS 5MW D AH P	P7	0	0	-	0	-	0	0	-
NEPOOL RHD ISLD 5MW D AH	U4	0	0	-	0	-	0	0	-
NEPOOL RHODE IL 5MW D AH	U5	0	0	-	0	-	0	0	-
NEPOOL W CNT MASS 5MW D A	L9	0	0	-	0	-	0	0	-
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	54	100	-45.6%	16.05	238.8%	37	97.48	-61.5%

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Energy Futures									
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	-	21.05	-100.0%	20	6.56	210.0%
NGPL TEX/OK	PD	0	3.62	-100.0%	0	-	0	126.49	-100.0%
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	11	13.1	-18.2%	13.16	-18.6%	9	20.25	-53.4%
NORTHEN NATURAL GAS DEMAR	PE	0	0	-	0	-	0	0	-
NORTHEN NATURAL GAS VENTU	PF	0	0	-	0	-	0	1.64	-100.0%
NORTHWEST ROCKIES BASIS S	NR	0	0	-	93.16	-100.0%	51	0	-
N ROCKIES PIPE SWAP	XR	0	0	-	0	-	0	0	-
NY1% VS GC SPREAD SWAP	VR	17	128.1	-86.6%	36.58	-53.1%	26	102.62	-74.2%
NY 3.0% FUEL OIL (PLATTS	H1	10	13.1	-27.3%	3.95	141.3%	7	12.7	-41.9%
NY HARBOR 1% FUEL OIL BAL	VK	0	0	-	0	-	0	0	-
NY HARBOR HEAT OIL SWP	MP	45	44.1	3.0%	114.16	-60.2%	93	72.52	28.6%
NY HARBOR LOW SULPUR GAS 1000MBBL	NLS	0	73.81	-100.0%	0	-	5	38.93	-86.7%
NY HARBOR RESIDUAL FUEL 1	MM	47	64.05	-27.4%	60.74	-23.4%	47	64.21	-26.6%
NY HARBOR RESIDUAL FUEL C	ML	0	0	-	0	-	0	0	-
NYH NO 2 CRACK SPREAD CAL	HK	13	41.29	-69.4%	11.05	14.2%	14	53.64	-73.6%
NYISO CAPACITY	LHV	0	1.14	-100.0%	3.16	-100.0%	4	2.36	66.7%
NYISO CAPACITY	NNC	0	5.71	-100.0%	0	-	0	2.79	-100.0%
NYISO CAPACITY	NRS	0	5.14	-100.0%	0	-	1	1.77	-44.4%
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	12,596.19	-100.0%	290.53	-100.0%	90	5,676.56	-98.4%
NYISO ZONE G 5MW D AH PK	T3	0	111.43	-100.0%	0	-	0	55.66	-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	33	0	-	39.47	-15.6%	24	0	-
NY ULSD (ARGUS) VS HEATING OIL	7Y	1	0	-	2.53	-49.1%	7	0	-
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	0.16	-100.0%

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Energy Futures									
PANHANDLE BASIS SWAP FUTU	PH	0	0	-	0	-	0	4.51	-100.0%
PANHANDLE PIPE SWAP	XH	0	0	-	0	-	0	0	-
PERMIAN BASIS SWAP	PM	0	0	-	0	-	0	0	-
PETROCHEMICALS	22	3	5.62	-40.7%	9.68	-65.6%	9	6.72	28.8%
PETROCHEMICALS	32	11	10.14	9.4%	5.58	98.9%	7	9.33	-30.2%
PETROCHEMICALS	3NA	0	0	-	0	-	0	0	-
PETROCHEMICALS	51	0	0	-	0	-	0	0.05	-100.0%
PETROCHEMICALS	8I	25	37	-32.2%	15.47	62.2%	29	39.59	-26.3%
PETROCHEMICALS	91	21	26	-19.8%	17.11	21.9%	26	29.85	-12.7%
PETROCHEMICALS	MAA	0	0	-	0	-	0	0	-
PETROCHEMICALS	MAE	13	11.9	10.0%	6.79	92.9%	11	8.69	27.2%
PETROCHEMICALS	MAS	7	6.67	3.6%	3.16	118.7%	8	5.9	37.5%
PETROCHEMICALS	MBE	14	24.76	-42.3%	10	42.9%	13	49.34	-74.1%
PETROCHEMICALS	MNB	17	122.62	-86.3%	80.05	-79.1%	49	94.48	-48.0%
PETROCHEMICALS	MPS	7	3.33	121.4%	3.16	133.7%	9	3.77	130.4%
PETRO CRCKS & SPRDS ASIA	JNC	0	0	-	0	-	0	0	-
PETRO CRCKS & SPRDS ASIA	STR	0	0	-	0	-	0	0	-
PETRO CRCKS & SPRDS ASIA	STS	1	0	-	0	-	0	6.7	-93.2%
PETRO CRCKS & SPRDS NA	CRB	385	7.14	5293.3%	118.42	225.3%	307	12.54	2349.7%
PETRO CRCKS & SPRDS NA	EXR	215	124.05	73.4%	160.74	33.8%	164	146.31	11.8%
PETRO CRCKS & SPRDS NA	FOC	10	61.9	-83.1%	26.32	-60.2%	22	39.34	-42.9%
PETRO CRCKS & SPRDS NA	GBB	43	10.14	322.5%	10.53	307.1%	46	35.66	28.7%
PETRO CRCKS & SPRDS NA	GCC	0	19.05	-100.0%	0	-	0	13.11	-100.0%
PETRO CRCKS & SPRDS NA	GCI	72	50.19	43.8%	10.53	585.8%	57	85.79	-33.4%
PETRO CRCKS & SPRDS NA	GCM	0	1	-100.0%	0	-	0	0.34	-100.0%
PETRO CRCKS & SPRDS NA	GCU	227	336.19	-32.4%	154.11	47.5%	201	482.25	-58.2%
PETRO CRCKS & SPRDS NA	GFC	0	0	-	5.26	-100.0%	2	0	-
PETRO CRCKS & SPRDS NA	HOB	9	157.86	-94.6%	0	-	16	87.07	-81.9%
PETRO CRCKS & SPRDS NA	MFR	0	0	-	0	-	0	0	-
PETRO CRCKS & SPRDS NA	NFG	0	0	-	0	-	0	0.82	-100.0%
PETRO CRCKS & SPRDS NA	NYF	0	0	-	0	-	0	0	-
PETRO CRCKS & SPRDS NA	RBB	353	211.62	66.7%	633.63	-44.3%	493	218.2	126.2%
PETRO CRCKS & SPRDS NA	RVG	831	855.33	-2.8%	875.16	-5.0%	761	839	-9.3%
PETRO CRCKS & SPRDS NA	SF3	7	1.71	302.8%	10.84	-36.3%	6	3.3	74.6%
PETRO CRK&SPRD EURO	1NB	81	92.14	-11.6%	68	19.7%	91	104.3	-13.0%
PETRO CRK&SPRD EURO	1ND	0	0	-	0	-	0	1.64	-100.0%

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Energy Futures									
PETRO CRK&SPRD EURO	43	0	12.38	-100.0%	0	-	0	18.66	-100.0%
PETRO CRK&SPRD EURO	BFR	3	0	-	0	-	1	0	-
PETRO CRK&SPRD EURO	BOB	24	77.19	-68.4%	24.16	1.1%	27	83.2	-67.4%
PETRO CRK&SPRD EURO	EOB	1	0.71	0.0%	0	-	0	1.77	-86.1%
PETRO CRK&SPRD EURO	EPN	31	58.71	-47.0%	28.89	7.8%	31	55.82	-44.9%
PETRO CRK&SPRD EURO	EVC	32	84.57	-62.6%	14.37	120.4%	26	100.75	-73.8%
PETRO CRK&SPRD EURO	FBT	3	0	-	0	-	1	0	-
PETRO CRK&SPRD EURO	FVB	0	0	-	0	-	0	0.49	-100.0%
PETRO CRK&SPRD EURO	GCB	0	0	-	0	-	5	2.87	61.1%
PETRO CRK&SPRD EURO	GOC	0	0.71	-100.0%	0	-	0	1.38	-100.0%
PETRO CRK&SPRD EURO	MGB	3	3.81	-25.0%	0	-	1	1.31	-25.0%
PETRO CRK&SPRD EURO	MUD	0	1.1	-100.0%	0	-	0	2.02	-91.9%
PETRO CRK&SPRD EURO	NBB	0	0	-	1.68	-85.9%	1	0.49	23.3%
PETRO CRK&SPRD EURO	NOB	34	63.05	-45.8%	29.74	14.8%	32	88.87	-64.3%
PETRO CRK&SPRD EURO	SFB	0	0	-	0	-	0	0	-
PETROLEUM PRODUCTS	1NM	0	0	-	3.68	-100.0%	1	0	-
PETROLEUM PRODUCTS	EWG	95	163.52	-41.8%	222.84	-57.3%	162	311.62	-48.1%
PETROLEUM PRODUCTS	MME	0	0	-	0	-	0	0.49	-100.0%
PETROLEUM PRODUCTS	MPE	0	0	-	0	-	0	0	-
PETROLEUM PRODUCTS	VU	0	0	-	0	-	2	0	-
PETROLEUM PRODUCTS ASIA	E6M	0	0	-	0.53	-9.5%	1	5.64	-85.5%
PETROLEUM PRODUCTS ASIA	MJN	84	76.43	10.0%	88.16	-4.6%	85	111.23	-23.8%
PETRO OUTRIGHT EURO	0B	0	0	-	0	-	0	0.82	-100.0%
PETRO OUTRIGHT EURO	0C	0	0	-	0	-	0	0	-
PETRO OUTRIGHT EURO	0D	53	55.33	-3.4%	46.05	16.0%	55	48.75	12.4%
PETRO OUTRIGHT EURO	0E	0	0	-	0.68	-100.0%	1	0.16	210.1%
PETRO OUTRIGHT EURO	0F	31	28.19	10.8%	16.16	93.3%	20	29.05	-30.7%
PETRO OUTRIGHT EURO	1T	0	0	-	0	-	0	0.25	-100.0%
PETRO OUTRIGHT EURO	33	0	0	-	0	-	0	0	-
PETRO OUTRIGHT EURO	5L	3	0	-	0	-	2	0.7	186.1%
PETRO OUTRIGHT EURO	63	0	0.24	-100.0%	0	-	0	0.61	-100.0%
PETRO OUTRIGHT EURO	7I	8	0	-	0	-	6	1.05	450.0%
PETRO OUTRIGHT EURO	7R	6	6.9	-19.3%	27.32	-79.6%	13	16.03	-16.5%
PETRO OUTRIGHT EURO	88	0	0	-	0	-	0	0.82	-100.0%
PETRO OUTRIGHT EURO	CBB	0	1.67	-100.0%	0	-	0	0.9	-100.0%
PETRO OUTRIGHT EURO	CGB	0	0	-	0.53	-100.0%	0	0	-

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Energy Futures									
PETRO OUTRIGHT EURO	CPB	14	39.33	-64.9%	13.16	5.0%	20	35	-42.6%
PETRO OUTRIGHT EURO	EFF	1	0	-	1.05	-9.5%	2	0	-
PETRO OUTRIGHT EURO	EFM	0	0	-	1.16	-100.0%	0	0	-
PETRO OUTRIGHT EURO	ENS	0	0	-	0	-	0	0.9	-81.8%
PETRO OUTRIGHT EURO	EWN	45	28.86	55.8%	44.63	0.7%	41	37.49	9.2%
PETRO OUTRIGHT EURO	FLB	0	0	-	0	-	0	0	-
PETRO OUTRIGHT EURO	GES	0	0	-	0	-	0	0	-
PETRO OUTRIGHT EURO	MBB	0	0	-	0	-	0	2.23	-100.0%
PETRO OUTRIGHT EURO	MBN	12	78.67	-84.3%	12.11	2.3%	14	65.84	-78.7%
PETRO OUTRIGHT EURO	MEF	16	0	-	15.89	0.4%	16	0	-
PETRO OUTRIGHT EURO	R53	1	0	-	0	-	0	0	-
PETRO OUTRIGHT EURO	R5O	1	0	-	0	-	0	0	-
PETRO OUTRIGHT EURO	S5M	0	0	-	1.21	-64.6%	1	0	-
PETRO OUTRIGHT EURO	SMU	0	7.14	-100.0%	6.58	-100.0%	2	5.38	-61.9%
PETRO OUTRIGHT EURO	T0	0	0	-	0	-	0	0	-
PETRO OUTRIGHT EURO	T2B	0	0	-	0	-	0	0	-
PETRO OUTRIGHT EURO	V0	0	9.52	-100.0%	0	-	0	11.15	-100.0%
PETRO OUTRIGHT EURO	X0	0	0	-	0	-	0	0	-
PETRO OUTRIGHT NA	FCB	0	3.05	-100.0%	0	-	0	3.26	-100.0%
PETRO OUTRIGHT NA	FOM	0	0	-	0	-	0	0	-
PETRO OUTRIGHT NA	JE	0	1.14	-100.0%	0	-	0	1.13	-100.0%
PETRO OUTRIGHT NA	JET	112	135.71	-17.5%	115.79	-3.4%	106	127.13	-16.5%
PETRO OUTRIGHT NA	JTB	38	39.29	-3.0%	31.58	20.6%	35	29.1	19.7%
PETRO OUTRIGHT NA	MBL	0	0.48	-100.0%	0	-	0	0.16	-100.0%
PETRO OUTRIGHT NA	MEN	15	19.19	-22.6%	4.26	248.5%	11	13.66	-19.3%
PETRO OUTRIGHT NA	MEO	148	153.95	-3.7%	142.47	4.1%	141	201.67	-30.3%
PETRO OUTRIGHT NA	MFD	0	0	-	0	-	0	0.49	-100.0%
PETRO OUTRIGHT NA	MMF	4	0.43	799.9%	3.89	-1.0%	4	0.57	545.7%
PETRO OUTRIGHT NA	XER	0	0	-	0	-	0	0	-
PJM AD HUB 5MW REAL TIME	V3	0	1,334.86	-100.0%	2,458.95	-100.0%	1,150	459.54	150.1%
PJM AD HUB 5MW REAL TIME	Z9	0	114.9	-100.0%	0	-	21	123.16	-83.0%
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	-

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Energy Futures									
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	83.61	-100.0%
PJM NI HUB 5MW REAL TIME	B6	0	0	-	0	-	0	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	767.21	-100.0%
PJM WESTHDA PEAK	J4	0	0	-	0	-	0	41.8	-100.0%
PJM WESTH RT OFF-PEAK	N9	0	0	-	0	-	384	1,150.82	-66.7%
PJM WESTH RT PEAK	L1	486	425.9	14.0%	151.58	220.4%	257	403.18	-36.2%
PLASTICS	PGP	23	11.9	96.0%	49.37	-52.7%	48	21.02	126.6%
PREMIUM UNLD 10P FOB MED	3G	2	12.62	-87.2%	7.89	-79.5%	9	21.49	-58.7%
PREMIUM UNLEAD 10PPM FOB	8G	0	0.48	-100.0%	0.95	-100.0%	0	2.7	-89.1%
PREM UNL GAS 10PPM RDAM FOB BALMO	7N	0	0	-	0	-	0	1.31	-75.0%
PREM UNL GAS 10PPM RDAM FOB SWAP	7L	0	0	-	0.79	-100.0%	0	0.16	200.1%
PROPANE NON-LDH MB (OPIS) BALMO SWP	1S	65	49.29	31.3%	153.84	-57.9%	116	28.92	299.7%
PROPANE NON-LDH MT. BEL (OPIS) SWP	1R	956	706.9	35.2%	929.42	2.8%	894	490.43	82.2%
RBOB CALENDAR SWAP	RL	216	194.29	11.1%	322.74	-33.1%	254	195.74	30.0%
RBOB CRACK SPREAD	RM	57	25.81	120.5%	34.74	63.8%	41	42.16	-1.6%
RBOB GASOLINE BALMO CLNDR	1D	24	29.33	-17.0%	80.63	-69.8%	44	24.64	79.8%
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	7.14	-100.0%	3.95	-100.0%	1	9.02	-86.4%
SAN JUAN BASIS SWAP	NJ	0	0	-	0	-	0	0.51	-100.0%
SAN JUAN PIPE SWAP	XX	0	0	-	0	-	0	0	-
SINGAPORE 180CST BALMO	BS	1	1.19	-32.0%	0.53	53.8%	1	1.97	-69.2%
SINGAPORE 380CST BALMO	BT	4	6.33	-32.3%	0.26	1528.3%	2	4.74	-60.2%
SINGAPORE 380CST FUEL OIL	SE	136	354.24	-61.7%	135.32	0.4%	160	296.77	-46.1%
SINGAPORE FUEL 180CST CAL	UA	18	26	-32.6%	10.58	65.6%	14	33.44	-59.1%
SINGAPORE FUEL OIL SPREAD	SD	3	76.38	-96.6%	3.32	-21.0%	4	42.87	-91.2%

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Energy Futures									
SINGAPORE GASOIL	MAF	105	0	-	94.68	11.0%	91	0	-
SINGAPORE GASOIL	MTB	3	9.05	-66.8%	2.37	26.7%	2	4.39	-45.9%
SINGAPORE GASOIL	MTS	166	258.62	-35.7%	161	3.3%	185	249.1	-25.8%
SINGAPORE GASOIL	STZ	0	7.14	-100.0%	0	-	0	68.03	-100.0%
SINGAPORE GASOIL CALENDAR	GDH	0	0	-	0	-	0	0.82	-100.0%
SINGAPORE GASOIL CALENDAR	GDL	0	0	-	0	-	0	4.1	-100.0%
SINGAPORE GASOIL CALENDAR	GHS	0	0	-	0	-	0	0	-
SINGAPORE GASOIL CALENDAR	MGO	0	0	-	0	-	0	3.28	-100.0%
SINGAPORE GASOIL CALENDAR	MSG	15	5.24	190.9%	4.74	221.7%	11	61.62	-82.2%
SINGAPORE GASOIL CALENDAR	SGG	0	0	-	0	-	0	5.33	-100.0%
SINGAPORE GASOIL SWAP	SG	33	62.62	-47.7%	45.32	-27.7%	58	254.54	-77.2%
SINGAPORE GASOIL VS ICE	GA	146	705.48	-79.2%	0	-	71	1,061.23	-93.3%
SINGAPORE JET KERO BALMO	BX	0	0	-	0	-	0	2.7	-100.0%
SINGAPORE JET KERO GASOIL	RK	0	115.48	-100.0%	0	-	2	297.05	-99.4%
SINGAPORE JET KEROSENE SW	KS	25	26.9	-8.8%	20.53	19.5%	27	59.59	-54.7%
SINGAPORE JET KERO VS. GASOIL BALMO	Z0	0	0	-	0	-	0	0.41	-100.0%
SINGAPORE MOGAS 92 UNLEADED BALMO	1P	21	10.71	100.0%	19.74	8.6%	15	22.34	-32.1%
SINGAPORE MOGAS 92 UNLEADED SWP	1N	874	640.52	36.4%	1,019.16	-14.3%	860	863.03	-0.3%
SINGAPORE NAPHTHA SWAP	SP	0	0	-	0	-	0	3.28	-100.0%
SING FUEL	MSD	0	0	-	0	-	0	0	-
SOUTH STAR TEX OKLHM KNS	8Z	0	0	-	0	-	0	0	-
Sumas Basis Swap	NK	0	0	-	0	-	0	1.49	-100.0%
TC2 ROTTERDAM TO USAC 37K	TM	18	8.19	115.1%	12.63	39.5%	12	8.49	40.9%
TC5 RAS TANURA TO YOKOHAM	TH	23	0.95	2324.9%	20.26	14.0%	20	3.61	463.6%
TCO BASIS SWAP	TC	0	0	-	0	-	0	0	-
TD3 MEG TO JAPAN 250K MT	TL	179	49.05	264.7%	211.58	-15.5%	196	29.59	563.2%
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	0.95	-100.0%	1.05	-100.0%	0	0.82	-60.0%
UK NBP NAT GAS CAL MTH FUT	UKG	43	245.24	-82.6%	37.11	14.7%	45	159.26	-71.4%
ULSD 10PPM CIF MED VS ICE	Z7	0	0	-	0	-	0	0.23	-100.0%

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Energy Futures									
ULSD UP-DOWN BALMO SWP	1L	293	166.67	75.6%	283.42	3.2%	329	233.44	40.9%
UP DOWN GC ULSD VS NMX HO	LT	1,110	1,472.67	-24.6%	1,231.63	-9.9%	1,364	1,839.28	-25.9%
WAHA BASIS	NW	14	0	-	0	-	7	34.2	-79.6%
WESTERN RAIL DELIVERY PRB	QP	0	0	-	0	-	0	0.25	-100.0%
WTI-BRENT BULLET SWAP	BY	0	0	-	0	-	10	0	-
WTI-BRENT CALENDAR SWAP	BK	1,458	1,656.95	-12.0%	1,470.26	-0.9%	1,293	1,906.7	-32.2%
WTI CALENDAR	CS	2,541	1,409.57	80.3%	2,114.74	20.2%	2,018	1,810.51	11.4%
WTS (ARGUS) VS WTI SWAP	FF	137	516.1	-73.4%	11.05	1140.8%	184	527.84	-65.2%
WTS (ARGUS) VS WTI TRD MT	FH	50	3.43	1361.1%	31.58	58.6%	49	3.64	1256.8%

Energy Options

BRENT 1 MONTH CAL	AA	0	0	-	0	-	0	49.18	-100.0%
BRENT CALENDAR SWAP	BA	0	0	-	0	-	0	18.69	-100.0%
BRENT CRUDE OIL 12 M CSO	9Y	0	0	-	0	-	0	32.79	-100.0%
BRENT CRUDE OIL 1 M CSO	9C	148	5,819.05	-97.5%	157.89	-6.5%	346	2,003.28	-82.7%
BRENT CRUDE OIL 6 M CSO	9L	0	0	-	0	-	0	0	-
BRENT OIL LAST DAY	BE	1,102	1,562.62	-29.5%	2,586.63	-57.4%	1,915	570.74	235.6%
BRENT OIL LAST DAY	BZO	4,717	5,949.62	-20.7%	3,839.74	22.8%	4,521	5,302.62	-14.7%
BRENT OIL LAST DAY	OS	0	0	-	0	-	0	17.05	-100.0%
COAL API2 INDEX	CLA	2	50.24	-95.3%	0	-	1	44.92	-98.2%
COAL API2 INDEX	CQA	14	13.1	9.1%	1.84	675.5%	8	10.66	-21.5%
COAL API4 INDEX	RLA	0	0	-	0	-	0	0.41	-100.0%
COAL API4 INDEX	RQA	0	0	-	0	-	0	0.98	-100.0%
COAL SWAP	CPF	0	0	-	0	-	0	0	-
COAL SWAP	RPF	0	0	-	0	-	0	0	-
CRUDE OIL	6Y	7	0	-	0	-	2	0	-
CRUDE OIL 1MO	WA	9,872	4,345.24	127.2%	7,431.58	32.8%	11,284	8,212.87	37.4%
CRUDE OIL APO	AO	4,467	3,166.76	41.1%	2,231.53	100.2%	2,499	2,819.16	-11.4%
CRUDE OIL CALNDR STRIP	6F	10	0	-	0	-	3	0	-
CRUDE OIL OUTRIGHTS	AH	0	0	-	0	-	0	0	-
CRUDE OIL OUTRIGHTS	WCI	0	0	-	7.11	-100.0%	16	0	-
CRUDE OIL PHY	CD	12	44.05	-73.0%	0	-	4	52.05	-92.1%
CRUDE OIL PHY	LC	238	448.76	-46.9%	572.63	-58.4%	377	650.84	-42.1%
CRUDE OIL PHY	LO	97,957	159,774.86	-38.7%	107,676.95	-9.0%	108,062	183,573.66	-41.1%

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Energy Options									
CRUDE OIL PHY	LO1	292	308.24	-5.1%	1,105.32	-73.5%	756	551.67	37.0%
CRUDE OIL PHY	LO2	652	333.76	95.3%	767.63	-15.1%	728	611.36	19.1%
CRUDE OIL PHY	LO3	4	339.9	-98.8%	474.95	-99.1%	271	509.67	-46.8%
CRUDE OIL PHY	LO4	685	774.57	-11.6%	565.21	21.1%	573	648.87	-11.6%
CRUDE OIL PHY	LO5	930	632.24	47.2%	2	46419.1%	321	217.66	47.4%
ETHANOL	CE1	0	4.76	-100.0%	0	-	0	1.64	-100.0%
ETHANOL	CE3	0	0	-	0	-	0	0	-
ETHANOL SWAP	CVR	406	340.52	19.3%	327.05	24.2%	332	401.75	-17.4%
ETHANOL SWAP	GVR	9	3.71	130.8%	0	-	13	17.75	-28.0%
HEATING OIL PHY	LB	10	0	-	6.74	44.9%	5	0	-
HEATING OIL PHY	OH	996	1,120.29	-11.1%	1,451.42	-31.4%	1,304	1,786.31	-27.0%
HENRY HUB FINANCIAL LAST	E7	227	79.57	184.7%	155.11	46.0%	296	214.13	38.1%
HO 1 MONTH CLNDR OPTIONS	FA	0	0	-	0	-	16	0	-
LLS CRUDE OIL	WJO	0	0	-	0	-	0	1.64	-100.0%
LLS CRUDE OIL	YVO	0	0	-	0	-	0	0	-
MCCLOSKEY ARA ARGS COAL	MTO	0	0	-	0	-	2	1.48	44.4%
MCCLOSKEY RCH BAY COAL	MFO	0	32.14	-100.0%	11.58	-100.0%	4	25	-85.6%
NATURAL GAS 1 M CSO FIN	G4	374	0	-	2,060.53	-81.9%	2,664	3,484.3	-23.5%
NATURAL GAS 2 M CSO FIN	G2	24	0	-	0	-	8	0	-
NATURAL GAS 3 M CSO FIN	G3	217	1.43	15066.4%	28.95	648.5%	84	106.25	-21.3%
NATURAL GAS 5 M CSO FIN	G5	0	69.05	-100.0%	0	-	0	23.77	-100.0%
NATURAL GAS 6 M CSO FIN	G6	19	1,152.38	-98.3%	431.58	-95.6%	280	1,027.05	-72.7%
NATURAL GAS OPTION ON CALENDAR STR	6J	133	62.86	112.1%	189.47	-29.6%	120	226.62	-47.2%
NATURAL GAS PHY	KD	42	524.57	-92.1%	136.74	-69.6%	95	1,200.56	-92.1%
NATURAL GAS PHY	LN	42,816	51,636.9	-17.1%	66,324.74	-35.4%	72,939	115,884.34	-37.1%
NATURAL GAS PHY	ON	4,128	4,368.81	-5.5%	6,830.21	-39.6%	6,553	10,235.44	-36.0%
NATURAL GAS WINTER STRIP	6I	0	0	-	0	-	0	0	-
N ROCKIES PIPE SWAP	ZR	0	0	-	0	-	0	0	-
NY HARBOR HEAT OIL SWP	AT	68	108.9	-37.4%	42.05	62.2%	73	162.08	-54.7%
NYISO ZONE G 5MW PEAK OPTIONS	9U	0	0	-	0	-	0	0	-
PANHANDLE PIPE SWAP	PU	0	0	-	0	-	0	0	-
PETROCHEMICALS	4H	2	0	-	63.68	-97.6%	24	26.77	-10.2%
PETROCHEMICALS	4J	0	0	-	0	-	0	22.13	-100.0%
PETROCHEMICALS	4K	0	0	-	0	-	0	0	-
PETROCHEMICALS	CPR	0	0	-	0	-	0	0	-
PETRO OUTRIGHT EURO	8H	0	0	-	0	-	0	0	-

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Energy Options									
PETRO OUTRIGHT EURO	BCO	0	0	-	0	-	0	0	-
PETRO OUTRIGHT NA	DAP	0	0	-	0	-	0	0	-
PJM WES HUB PEAK CAL MTH	6OA	5	2.86	66.7%	1.05	352.4%	2	1.31	50.0%
PJM WES HUB PEAK CAL MTH	JOA	0	0	-	0	-	0	14.43	-100.0%
PJM WES HUB PEAK LMP 50MW	PMA	19	36.38	-48.2%	0	-	14	49.07	-72.1%
RBOB 1MO CAL SPD OPTIONS	ZA	0	14.29	-100.0%	0	-	2	8.2	-70.0%
RBOB CALENDAR SWAP	RA	3	7.14	-62.0%	0	-	4	7.38	-47.3%
RBOB CRACK	RX	0	0	-	0	-	0	0	-
RBOB PHY	OB	495	400.57	23.5%	799.68	-38.1%	554	624.33	-11.3%
RBOB PHY	RF	1	0	-	26.11	-96.4%	8	2.05	312.8%
ROTTERDAM 3.5%FUEL OIL CL	Q6	0	0	-	0	-	0	0	-
SAN JUAN PIPE SWAP	PJ	0	0	-	0	-	0	0	-
SHORT TERM	C15	0	0	-	0	-	0	0	-
SHORT TERM	U11	0	0	-	13.16	-100.0%	4	4.92	-16.7%
SHORT TERM	U12	0	0	-	36.84	-100.0%	11	3.44	233.3%
SHORT TERM	U13	0	0	-	0	-	0	0	-
SHORT TERM	U14	0	0	-	0	-	1	10.41	-92.1%
SHORT TERM	U15	0	11.9	-100.0%	31.58	-100.0%	13	4.51	190.9%
SHORT TERM	U22	0	0	-	0	-	0	16.8	-100.0%
SHORT TERM	U23	0	7.14	-100.0%	0	-	0	5.41	-100.0%
SHORT TERM	U24	0	0	-	0	-	0	1.64	-100.0%
SHORT TERM	U25	0	0	-	0	-	0	0	-
SHORT TERM	U26	0	0	-	0	-	0	0	-
SHORT TERM NATURAL GAS	U01	0	0	-	1.32	-100.0%	9	2.05	320.0%
SHORT TERM NATURAL GAS	U02	0	24.76	-100.0%	0	-	0	15.98	-100.0%
SHORT TERM NATURAL GAS	U03	0	0	-	0	-	0	2.13	-100.0%
SHORT TERM NATURAL GAS	U04	0	0	-	31.58	-100.0%	10	4.1	140.0%
SHORT TERM NATURAL GAS	U05	0	0	-	10.53	-100.0%	3	6.97	-52.9%
SHORT TERM NATURAL GAS	U06	2	0	-	0	-	1	0	-
SHORT TERM NATURAL GAS	U07	14	0	-	10.53	35.7%	10	4.1	140.0%
SHORT TERM NATURAL GAS	U08	0	0	-	26.32	-100.0%	8	20.08	-59.2%
SHORT TERM NATURAL GAS	U09	0	4.76	-100.0%	0	-	2	4.52	-63.8%
SHORT TERM NATURAL GAS	U10	0	0	-	0	-	0	1.64	-100.0%
SHORT TERM NATURAL GAS	U16	0	2.38	-100.0%	0	-	2	9.59	-82.9%
SHORT TERM NATURAL GAS	U17	0	0	-	0	-	0	3.61	-100.0%
SHORT TERM NATURAL GAS	U18	0	0	-	0	-	0	8.2	-100.0%

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Commodity		ADV MAR 2019	ADV MAR 2018	% CHG	ADV FEB 2019	% CHG	ADV Y.T.D 2019	ADV Y.T.D 2018	% CHG
Energy Options									
SHORT TERM NATURAL GAS	U19	0	0	-	0	-	0	0.98	-100.0%
SHORT TERM NATURAL GAS	U20	0	0	-	0	-	0	0	-
SHORT TERM NATURAL GAS	U21	2	0	-	0	-	1	0	-
SHORT TERM NATURAL GAS	U27	0	9.52	-100.0%	0	-	0	4.1	-100.0%
SHORT TERM NATURAL GAS	U28	1	0	-	21.05	-94.3%	7	1.64	325.0%
SHORT TERM NATURAL GAS	U29	0	9.52	-100.0%	0	-	0	4.92	-100.0%
SHORT TERM NATURAL GAS	U30	0	0	-	0	-	0	1.64	-100.0%
SHORT TERM NATURAL GAS	U31	0	0	-	0	-	14	0.41	3300.3%
SINGAPORE GASOIL CALENDAR	M2	0	0	-	0	-	0	0	-
SINGAPORE JET FUEL CALEND	N2	0	0	-	0	-	0	0	-
WTI-BRENT BULLET SWAP	BV	1,129	7,469.43	-84.9%	3,981.58	-71.7%	3,041	6,323.41	-51.9%
WTI CRUDE OIL 1 M CSO FI	7A	2,755	4,125	-33.2%	1,686.84	63.3%	2,465	3,336.89	-26.1%
Ag Products Futures									
COCOA TAS	CJ	0	0	-	0	-	0	0	-
COTTON	TT	0	0	-	0	-	0	0.03	50.0%
SUGAR 11	YO	0	0	-	0	-	0	0	-
TOTAL FUTURES GROUP									
Ag Products Futures		0	0	-	0	-	0	0.03	50.0%
Energy Futures		1,999,131	2,095,902.43	-4.6%	2,115,035.79	-5.5%	2,107,821	2,402,486.97	-12.3%
Metals Futures		520,406	629,731.05	-17.4%	473,333.89	9.9%	499,417	655,726.44	-23.8%
TOTAL FUTURES		2,519,538	2,725,633.48	-7.6%	2,588,369.68	-2.7%	2,607,237.74	3,058,213.44	-14.7%

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Commodity	ADV MAR 2019	ADV MAR 2018	% CHG	ADV FEB 2019	% CHG	ADV Y.T.D 2019	ADV Y.T.D 2018	% CHG
TOTAL OPTIONS GROUP								
Energy Options	175,003	255,194.57	-31.4%	212,159	-17.5%	222,683	351,258.97	-36.6%
Metals Options	71,304	53,660.57	32.9%	51,252.63	39.1%	61,730	57,142.39	8.0%
TOTAL OPTIONS	246,307	308,855.14	-20.3%	263,411.63	-6.5%	284,412.52	408,401.36	-30.4%
TOTAL COMBINED								
Metals	591,710	683,391.62	-13.4%	524,586.53	12.8%	561,147	712,868.84	-21.3%
Energy	2,174,135	2,351,097	-7.5%	2,327,194.79	-6.6%	2,330,503	2,753,745.93	-15.4%
Ag Products	0	0	-	0	-	0	0.03	50.0%
GRAND TOTAL	2,765,845	3,034,488.62	-8.9%	2,851,781.31	-3.0%	2,891,650.26	3,466,614.8	-16.6%