

NYMEX/COMEX Exchange ADV Report - Monthly

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Commodity		ADV JAN 2019	ADV JAN 2018	% CHG	ADV DEC 2019	% CHG	ADV Y.T.D 2019	ADV Y.T.D 2018	% CHG
Metals Futures									
COMEX GOLD	GC	297,420	436,279.71	-31.8%	206,600.45	44.0%	297,420	436,279.71	-31.8%
NYMEX HOT ROLLED STEEL	HR	1,033	496.9	108.0%	360.25	186.8%	1,033	496.9	108.0%
NYMEX PLATINUM	PL	17,259	21,146.38	-18.4%	24,908.25	-30.7%	17,259	21,146.38	-18.4%
PALLADIUM	PA	5,097	4,704.76	8.3%	3,744.4	36.1%	5,097	4,704.76	8.3%
URANIUM	UX	74	30.95	139.7%	35.7	107.8%	74	30.95	139.7%
COMEX SILVER	SI	72,679	104,124.52	-30.2%	65,031	11.8%	72,679	104,124.52	-30.2%
COMEX E-Mini GOLD	QO	297	387.19	-23.2%	232.55	27.8%	297	387.19	-23.2%
COMEX E-Mini SILVER	QI	40	47.67	-16.8%	42.35	-6.3%	40	47.67	-16.8%
COMEX COPPER	HG	95,995	131,486.86	-27.0%	70,306.85	36.5%	95,995	131,486.86	-27.0%
COMEX MINY COPPER	QC	23	32.48	-30.4%	13.1	72.7%	23	32.48	-30.4%
ALUMINUM	A38	1	0	-	2	-47.6%	1	0	-
ALUMINUM	AEP	177	11.43	1445.4%	74.55	136.9%	177	11.43	1445.4%
ALUMINUM	ALA	0	37.86	-100.0%	0	-	0	37.86	-100.0%
ALUMINUM	ALI	0	0	-	0	-	0	0	-
ALUMINUM	AUP	454	599.33	-24.2%	171.7	164.5%	454	599.33	-24.2%
ALUMINUM	CUP	0	4.05	-100.0%	0	-	0	4.05	-100.0%
ALUMINUM	EDP	55	28.57	93.7%	31.7	74.6%	55	28.57	93.7%
ALUMINUM	MJP	2	34.29	-93.7%	39	-94.5%	2	34.29	-93.7%
COPPER	HGS	40	183.48	-78.4%	51.55	-23.2%	40	183.48	-78.4%
E-MICRO GOLD	MGC	9,943	6,792.19	46.4%	7,773.1	27.9%	9,943	6,792.19	46.4%
FERROUS PRODUCTS	BUS	47	69.86	-32.9%	60	-21.8%	47	69.86	-32.9%
Gold Kilo	GCK	0	0.19	-100.0%	0	-	0	0.19	-100.0%
IRON ORE 62 CHINA PLATTS FUTURES	PIO	0	0	-	0	-	0	0	-
IRON ORE 62 CHINA TSI FUTURES	TIO	632	151.33	317.6%	79.05	699.4%	632	151.33	317.6%
LNDN ZINC	ZNC	27	1.38	1855.1%	29.1	-7.2%	27	1.38	1855.1%
SILVER	SIL	731	295.81	147.2%	536.5	36.3%	731	295.81	147.2%
Metals Options									
COMEX COPPER	HX	2,406	956.52	151.6%	1,276.85	88.5%	2,406	956.52	151.6%
COMEX GOLD	OG	48,933	45,596.67	7.3%	48,545.25	0.8%	48,933	45,596.67	7.3%
COMEX SILVER	SO	7,533	7,537.33	-0.1%	5,736.85	31.3%	7,533	7,537.33	-0.1%
COPPER	H1E	0	0	-	0.8	-64.3%	0	0	-
COPPER	H2E	1	0	-	0.3	90.5%	1	0	-
COPPER	H3E	0	0	-	0.3	-4.8%	0	0	-

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Metals Options									
COPPER	H4E	0	0	-	0.3	-4.8%	0	0	-
COPPER	H5E	0	0	-	0	-	0	0	-
GOLD	OG1	567	591.24	-4.1%	740.45	-23.4%	567	591.24	-4.1%
GOLD	OG2	730	496.67	47.0%	811.3	-10.0%	730	496.67	47.0%
GOLD	OG3	693	521.19	33.0%	938.1	-26.1%	693	521.19	33.0%
GOLD	OG4	364	344.19	5.8%	488.6	-25.5%	364	344.19	5.8%
GOLD	OG5	0	0	-	0	-	0	0	-
HOT ROLLED COIL STEEL CALL OPTION	HRO	0	0	-	0	-	0	0	-
IRON ORE 62 CHINA TSI CALL OPTION	ICT	6	0	-	0	-	6	0	-
IRON ORE 62 CHINA TSI PUT OPTION	ICT	0	8.57	-100.0%	0	-	0	8.57	-100.0%
NYMEX PLATINUM	PO	203	224	-9.3%	127.65	59.2%	203	224	-9.3%
PALLADIUM	PAO	63	153	-58.6%	42.25	49.9%	63	153	-58.6%
SILVER	SO1	67	1.1	5991.5%	11.95	458.3%	67	1.1	5991.5%
SILVER	SO2	20	0.29	7067.0%	29.5	-30.6%	20	0.29	7067.0%
SILVER	SO3	41	0.48	8489.8%	85.9	-52.4%	41	0.48	8489.8%
SILVER	SO4	7	2.52	164.1%	28.35	-76.5%	7	2.52	164.1%
SILVER	SO5	0	0	-	0	-	0	0	-
Energy Futures									
CRUDE OIL PHY	CL	1,236,444	1,357,325.9	-8.9%	1,145,434.65	7.9%	1,236,444	1,357,325.9	-8.9%
CRUDE OIL	WS	165	28.05	489.1%	0	-	165	28.05	489.1%
MINY WTI CRUDE OIL	QM	24,193	9,962.38	142.8%	30,884.55	-21.7%	24,193	9,962.38	142.8%
BRENT OIL LAST DAY	BZ	78,871	66,201.48	19.1%	83,045.7	-5.0%	78,871	66,201.48	19.1%
HEATING OIL PHY	HO	163,254	216,313	-24.5%	161,949.95	0.8%	163,254	216,313	-24.5%
HTG OIL	BH	0	0	-	0	-	0	0	-
MINY HTG OIL	QH	0	0.19	-25.0%	0.15	-4.7%	0	0.19	-25.0%
RBOB PHY	RB	187,041	204,311.29	-8.5%	170,235.05	9.9%	187,041	204,311.29	-8.5%
MINY RBOB GAS	QU	0	0.14	99.9%	0.2	42.9%	0	0.14	99.9%
NATURAL GAS	HP	6,178	11,852.81	-47.9%	4,675.3	32.1%	6,178	11,852.81	-47.9%
LTD NAT GAS	HH	17,739	26,716.29	-33.6%	19,716.1	-10.0%	17,739	26,716.29	-33.6%
MINY NATURAL GAS	QG	2,036	3,068.9	-33.7%	2,278.9	-10.7%	2,036	3,068.9	-33.7%
PJM MONTHLY	JM	0	0	-	0	-	0	0	-
NATURAL GAS PHY	NG	436,655	675,649.62	-35.4%	392,563.7	11.2%	436,655	675,649.62	-35.4%

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Energy Futures									
RBOB GAS	RT	0	210.48	-100.0%	0	-	0	210.48	-100.0%
3.5% FUEL OIL CID MED SWA	7D	0	5.48	-100.0%	0.5	-100.0%	0	5.48	-100.0%
3.5% FUEL OIL CIF BALMO S	8D	0	0	-	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	737	2,003.57	-63.2%	786.95	-6.3%	737	2,003.57	-63.2%
ARGUS PROPAN FAR EST INDE	7E	359	338.86	5.8%	153.55	133.6%	359	338.86	5.8%
ARGUS PROPAN(SAUDI ARAMCO	9N	167	116.71	43.5%	88.9	88.3%	167	116.71	43.5%
AUSTRIALIAN COKE COAL	ACT	0	0	-	0	-	0	0	-
AUSTRIALIAN COKE COAL	ALW	0	0	-	0	-	0	0	-
BRENT BALMO SWAP	J9	0	0	-	0	-	0	0	-
BRENT CALENDAR SWAP	CY	216	53.19	307.0%	79.4	172.6%	216	53.19	307.0%
BRENT CFD SWAP	6W	0	0	-	0	-	0	0	-
BRENT FINANCIAL FUTURES	BB	167	0	-	0	-	167	0	-
BRENT FINANCIAL FUTURES	MBC	0	0	-	0	-	0	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	-
CEU ENERGY	DEB	40	0	-	48.1	-16.5%	40	0	-
CEU ENERGY	TTF	175	22.86	664.4%	129.15	35.3%	175	22.86	664.4%
CEU ENERGY	UKG	56	2.57	2076.0%	48.5	15.4%	56	2.57	2076.0%
CHICAGO ETHANOL SWAP	CU	4,825	5,865.62	-17.7%	3,950.85	22.1%	4,825	5,865.62	-17.7%
CHICAGO ULSD PL VS HO SPR	5C	46	15.24	200.0%	41.55	10.0%	46	15.24	200.0%
CHICAGO UNL GAS PL VS RBO	3C	5	7.14	-26.7%	6.25	-16.2%	5	7.14	-26.7%
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 O PK	K2	0	0	-	0	-	0	0	-
CIN HUB 5MW D AH PK	H5	51	62.48	-18.8%	62.7	-19.0%	51	62.48	-18.8%
CIN HUB 5MW REAL TIME O P	H4	0	0	-	0	-	0	0	-
CIN HUB 5MW REAL TIME PK	H3	0	0	-	0	-	0	0	-

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Energy Futures									
COAL SWAP	ACM	0	0.71	-100.0%	0	-	0	0.71	-100.0%
COLUMB GULF MAINLINE NG B	5Z	0	0	-	10.7	-100.0%	0	0	-
CONWAY NATURAL GASOLINE (OPIS) SWA	8L	8	1.24	511.5%	8.85	-14.4%	8	1.24	511.5%
CONWAY NORMAL BUTANE (OPIS) SWAP	8M	2	3.81	-37.5%	0	-	2	3.81	-37.5%
CONWAY PROPANE 5 DECIMALS SWAP	8K	950	827.71	14.8%	580.7	63.6%	950	827.71	14.8%
CRUDE OIL	LPS	193	329.05	-41.4%	220	-12.3%	193	329.05	-41.4%
CRUDE OIL OUTRIGHTS	42	58	8.38	586.9%	37.95	51.7%	58	8.38	586.9%
CRUDE OIL OUTRIGHTS	CC5	30	0	-	11.25	166.7%	30	0	-
CRUDE OIL OUTRIGHTS	CPD	0	87.24	-100.0%	0	-	0	87.24	-100.0%
CRUDE OIL OUTRIGHTS	CSW	29	0.24	11899.7%	2.25	1169.8%	29	0.24	11899.7%
CRUDE OIL OUTRIGHTS	DBL	0	0	-	0	-	0	0	-
CRUDE OIL OUTRIGHTS	GSW	0	5	-100.0%	0	-	0	5	-100.0%
CRUDE OIL OUTRIGHTS	HTT	2,250	3,680.14	-38.9%	1,281.15	75.6%	2,250	3,680.14	-38.9%
CRUDE OIL OUTRIGHTS	LSW	88	10.24	762.8%	0	-	88	10.24	762.8%
CRUDE OIL OUTRIGHTS	SSW	0	0	-	0	-	0	0	-
CRUDE OIL OUTRIGHTS	UMD	0	38.1	-100.0%	0	-	0	38.1	-100.0%
CRUDE OIL OUTRIGHTS	UNS	0	87.52	-100.0%	0	-	0	87.52	-100.0%
CRUDE OIL OUTRIGHTS	WCC	0	0	-	0	-	0	0	-
CRUDE OIL OUTRIGHTS	WCW	713	547.14	30.3%	427	66.9%	713	547.14	30.3%
CRUDE OIL PHY	CLL	0	0	-	0	-	0	0	-
CRUDE OIL PHY	HCL	1,027	0	-	727.3	41.2%	1,027	0	-
CRUDE OIL SPRDS	38	0	55	-100.0%	0	-	0	55	-100.0%
CRUDE OIL SPRDS	WTT	1,020	4,693.86	-78.3%	763.75	33.5%	1,020	4,693.86	-78.3%
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	-

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Energy Futures									
DAILY PJM	ZJO	0	0	-	0	-	0	0	-
DATED TO FRONTLINE BRENT	FY	29	38.57	-25.9%	0	-	29	38.57	-25.9%
DIESEL 10P BRG FOB RDM VS	7X	0	0.24	-100.0%	0	-	0	0.24	-100.0%
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	-	0	0	-
DUBAI CRUDE OIL CALENDAR	DC	254	229.76	10.7%	588.75	-56.8%	254	229.76	10.7%
EASTERN RAIL DELIVERY CSX	QX	0	3.57	-100.0%	0	-	0	3.57	-100.0%
EAST/WEST FUEL OIL SPREAD	EW	0	0	-	0	-	0	0	-
EIA FLAT TAX ONHWAY DIESE	A5	30	12.67	136.5%	10.15	195.1%	30	12.67	136.5%
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	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	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	116.19	-100.0%	0	-	0	116.19	-100.0%
ETHANOL	Z1B	0	0	-	0.25	-100.0%	0	0	-
ETHANOL SWAP	MT2	0	0	-	1.5	-68.3%	0	0	-
ETHANOL T2 FOB ROTT INCL DUTY SWAP	Z1	239	154.9	54.3%	117.75	103.0%	239	154.9	54.3%
EURO 1% FUEL OIL NEW BALM	KX	0	0	-	0	-	0	0	-
EURO 3.5% FUEL OIL RDAM B	KR	2	30.29	-93.7%	2.9	-34.3%	2	30.29	-93.7%
EURO 3.5% FUEL OIL SPREAD	FK	0	4.76	-100.0%	1	-100.0%	0	4.76	-100.0%
EURO-DENOMINATED PETRO PROD	NCP	0	0	-	0	-	0	0	-
EURO GASOIL 10PPM VS ICE	ET	0	9.33	-100.0%	0	-	0	9.33	-100.0%
EUROPE 1% FUEL OIL NWE CA	UF	4	6.86	-37.5%	1.2	257.1%	4	6.86	-37.5%
EUROPE 1% FUEL OIL RDAM C	UH	0	0	-	0	-	0	0	-
EUROPE 3.5% FUEL OIL MED	UI	7	5.48	34.8%	0.5	1376.2%	7	5.48	34.8%

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EUROPE 3.5% FUEL OIL RDAM	UV	90	377.43	-76.2%	80.35	11.7%	90	377.43	-76.2%
EUROPEAN GASOIL (ICE)	7F	6	6	1.6%	8.8	-30.7%	6	6	1.6%
EUROPEAN NAPHTHA BALMO	KZ	13	17.29	-22.6%	2.4	457.5%	13	17.29	-22.6%
EUROPEAN NAPHTHA CRACK SPR	EN	236	717.57	-67.1%	169.95	39.1%	236	717.57	-67.1%
EUROPE DATED BRENT SWAP	UB	24	0	-	29	-16.9%	24	0	-
EUROPE JET KERO NWE CALSW	UJ	0	0.71	-100.0%	0	-	0	0.71	-100.0%
EUROPE NAPHTHA CALSWAP	UN	85	262.57	-67.5%	83.45	2.1%	85	262.57	-67.5%
EURO PROPANE CIF ARA SWA	PS	104	124.9	-16.4%	47.1	121.7%	104	124.9	-16.4%
FREIGHT MARKETS	FLP	15	7.76	90.8%	17.4	-14.9%	15	7.76	90.8%
FREIGHT MARKETS	FRC	1	4.52	-84.2%	0	-	1	4.52	-84.2%
FREIGHT MARKETS	FRS	0	0	-	0	-	0	0	-
FREIGHT MARKETS	T2D	80	22.29	259.0%	15.5	416.1%	80	22.29	259.0%
FREIGHT MARKETS	TC6	0	11.43	-100.0%	0	-	0	11.43	-100.0%
FREIGHT MARKETS	TD3	0	0	-	0	-	0	0	-
FREIGHT MARKETS	TD8	0	0	-	0	-	0	0	-
FUEL OIL CRACK VS ICE	FO	53	186.76	-71.4%	55.4	-3.7%	53	186.76	-71.4%
FUEL OIL NWE CRACK VS ICE	FI	1	7.43	-90.4%	0	-	1	7.43	-90.4%
FUEL OIL (PLATS) CAR CM	1W	0	4.71	-100.0%	0	-	0	4.71	-100.0%
FUEL OIL (PLATS) CAR CN	1X	0	2.14	-100.0%	0	-	0	2.14	-100.0%
FUELOIL SWAP:CARGOES VS.B	FS	8	18.95	-58.5%	21.2	-62.9%	8	18.95	-58.5%
GAS EURO-BOB OXY NWE BARGES	7H	408	491	-16.9%	232.5	75.5%	408	491	-16.9%
GAS EURO-BOB OXY NWE BARGES CRK	7K	507	1,478	-65.7%	403.75	25.6%	507	1,478	-65.7%
GASOIL 0.1CIF MED VS ICE	Z5	0	0	-	0	-	0	0	-
GASOIL 0.1 RDAM BRGS VS I	WQ	0	0.24	-100.0%	0	-	0	0.24	-100.0%
GASOIL 0.1 ROTTERDAM BARG	VL	1	1.19	-52.0%	0.5	14.3%	1	1.19	-52.0%
GASOIL 10PPM VS ICE SWAP	TP	0	0	-	0.45	-4.8%	0	0	-
GASOIL CALENDAR SWAP	GX	0	0	-	0	-	0	0	-
GASOIL CRACK SPREAD CALEN	GZ	0	658.33	-100.0%	59.4	-100.0%	0	658.33	-100.0%
GASOIL MINI CALENDAR SWAP	QA	16	19.14	-15.2%	6	170.6%	16	19.14	-15.2%
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	179	222.86	-19.7%	163.4	9.5%	179	222.86	-19.7%
GRP THREE UNL GS (PLT) VS	A8	166	106.05	56.4%	124.75	33.0%	166	106.05	56.4%
GULF COAST 3% FUEL OIL BA	VZ	71	156.52	-54.7%	22.3	218.0%	71	156.52	-54.7%
GULF COAST JET FUEL CLNDR	GE	10	3	242.9%	10.2	0.8%	10	3	242.9%
GULF COAST JET VS NYM 2 H	ME	837	2,171.19	-61.4%	826.25	1.3%	837	2,171.19	-61.4%

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		JAN 2019	JAN 2018		DEC 2019		Y.T.D 2019	Y.T.D 2018		
Energy Futures										
GULF COAST NO.6 FUEL OIL	MF	1,651	3,444.86	-52.1%	1,531.95	7.8%	1,651	3,444.86	-52.1%	
GULF COAST NO.6 FUEL OIL	MG	19	87.67	-78.8%	46.8	-60.3%	19	87.67	-78.8%	
GULF COAST ULSD CALENDAR	LY	28	18.1	56.1%	18.85	49.8%	28	18.1	56.1%	
GULF COAST ULSD CRACK SPR	GY	0	35.71	-100.0%	0	-	0	35.71	-100.0%	
HEATING OIL BALMO CLNDR S	1G	0	0.9	-100.0%	0	-	0	0.9	-100.0%	
HEATING OIL PHY	HOL	0	0	-	0	-	0	0	-	
HENRY HUB BASIS SWAP	HB	0	218.67	-100.0%	0	-	0	218.67	-100.0%	
HENRY HUB FINANCIAL LAST	NBP	0	57.19	-100.0%	0	-	0	57.19	-100.0%	
HENRY HUB FINANCIAL LAST	TTE	0	5.71	-100.0%	0	-	0	5.71	-100.0%	
HENRY HUB INDEX SWAP FUTU	IN	0	218.67	-100.0%	0	-	0	218.67	-100.0%	
HENRY HUB SWAP	NN	9,007	11,586.38	-22.3%	5,329.8	69.0%	9,007	11,586.38	-22.3%	
HOUSTON SHIP CHANNEL BASI	NH	0	0	-	0	-	0	0	-	
ICE BRENT DUBAI SWAP	DB	437	686.19	-36.4%	127.5	242.5%	437	686.19	-36.4%	
IN DELIVERY MONTH EUA	6T	0	0	-	0	-	0	0	-	
INDIANA MISO	FAD	0	0	-	0	-	0	0	-	
INDIANA MISO	FTD	0	0	-	0	-	0	0	-	
INDIANA MISO	PDD	0	0	-	0	-	0	0	-	
INDIANA MISO	PTD	0	0	-	0	-	0	0	-	
INDONESIAN COAL ICI4	ICI	12	0	-	2	483.3%	12	0	-	
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	15.24	-100.0%	0	-	0	15.24	-100.0%	
JAPAN C&F NAPHTHA SWAP	JA	67	123.52	-46.0%	41.45	61.1%	67	123.52	-46.0%	
JAPAN NAPHTHA BALMO SWAP	E6	7	0	-	0.45	1529.6%	7	0	-	
JET AV FUEL (P) CAR FM ICE GAS SWAP	1V	0	0.24	-100.0%	0	-	0	0.24	-100.0%	
JET CIF NWE VS ICE	JC	3	11.19	-74.5%	1.75	63.3%	3	11.19	-74.5%	
JET FUEL UP-DOWN BALMO CL	1M	220	411.9	-46.6%	285.25	-22.9%	220	411.9	-46.6%	
LA CARB DIESEL (OPIS) SWA	KL	4	9.52	-57.5%	9.6	-57.8%	4	9.52	-57.5%	
LA CARBOB GASOLINE(OPIS)S	JL	38	54.76	-30.4%	8	376.2%	38	54.76	-30.4%	
LA JET (OPIS) SWAP	JS	76	108.33	-29.7%	29.75	156.1%	76	108.33	-29.7%	
LLS (ARGUS) CALENDAR SWAP	XA	0	0	-	0	-	0	0	-	
LLS (ARGUS) VS WTI SWAP	WJ	199	201.67	-1.3%	59.75	233.0%	199	201.67	-1.3%	
LOS ANGELES CARB GASOLINE	MH	0	0	-	0	-	0	0	-	
MARS (ARGUS) VS WTI SWAP	YX	131	367.14	-64.3%	1.25	10376.2%	131	367.14	-64.3%	
MARS (ARGUS) VS WTI TRD M	YV	1,629	2,629.52	-38.0%	665	145.0%	1,629	2,629.52	-38.0%	
MARS BLEND CRUDE OIL	MB	0	31.43	-100.0%	0	-	0	31.43	-100.0%	

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Energy Futures									
MCCLOSKEY ARA ARGS COAL	MTF	1,216	1,028.24	18.2%	576.55	110.9%	1,216	1,028.24	18.2%
MCCLOSKEY RCH BAY COAL	MFF	114	163.95	-30.8%	48.75	132.9%	114	163.95	-30.8%
MGF FUT	MGF	0	3.81	-100.0%	0	-	0	3.81	-100.0%
MGN1 SWAP FUT	MGN	5	4.76	10.0%	5.5	-4.8%	5	4.76	10.0%
MICHIGAN BASIS	NF	0	0	-	0	-	0	0	-
MICHIGAN MISO	HMO	0	0	-	0	-	0	0	-
MICHIGAN MISO	HMW	0	0	-	0	-	0	0	-
MINI GAS EUROBOB OXY NWE ARGS BALM	MEB	22	17.43	24.9%	5.2	318.5%	22	17.43	24.9%
MINI RBOB V. EBOBARG NWE BRGS BALMO	MXR	42	5.71	630.0%	17.9	133.0%	42	5.71	630.0%
MINI RBOB V. EBOB(ARGUS) NWE BRGS	MXB	80	90.48	-11.8%	41.75	91.2%	80	90.48	-11.8%
MJC FUT	MJC	2	15.71	-87.9%	0	-	2	15.71	-87.9%
MNC FUT	MNC	172	170.9	0.8%	142.7	20.7%	172	170.9	0.8%
MONT BELVIEU ETHANE 5 DECIMAL	C0	917	1,241.48	-26.1%	855.6	7.2%	917	1,241.48	-26.1%
MONT BELVIEU ETHANE OPIS BALMO	8C	22	11.9	88.0%	10.5	113.2%	22	11.9	88.0%
MONT BELVIEU LDH PROPANE 5 DECIMAL	B0	6,419	7,497.95	-14.4%	3,984.35	61.1%	6,419	7,497.95	-14.4%
MONT BELVIEU LDH PROPANE OPIS BALM	8O	295	314.52	-6.2%	147.8	99.6%	295	314.52	-6.2%
MONT BELVIEU NATURAL GASOLINE 5 DEC	7Q	351	607.76	-42.3%	290.5	20.7%	351	607.76	-42.3%
MONT BELVIEU NATURAL GASOLINE BALM	R0	58	28.33	104.4%	28.25	105.0%	58	28.33	104.4%
MONT BELVIEU NORMAL BUTANE 5 DECIM	D0	1,904	1,315.05	44.8%	1,359.8	40.0%	1,904	1,315.05	44.8%
MONT BELVIEU NORMAL BUTANE BALMO	8J	86	76.24	12.3%	45.8	86.9%	86	76.24	12.3%
NAT GAS BASIS SWAP	TZ6	0	0	-	0	-	0	0	-
NATURAL GAS	XIC	0	0	-	0	-	0	0	-
NATURAL GAS PEN SWP	NP	1,384	3,220.29	-57.0%	1,612.05	-14.1%	1,384	3,220.29	-57.0%
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	2,948.57	-100.0%	0	-	0	2,948.57	-100.0%
NEPOOL INTR HUB 5MW D AH	U6	0	152.14	-100.0%	0	-	0	152.14	-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	40	52.86	-24.3%	27.75	44.1%	40	52.86	-24.3%
NEW YORK HUB ZONE G PEAK	GN	0	0	-	0	-	0	0	-

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Energy Futures									
NEW YORK HUB ZONE J PEAK	JN	0	0	-	0	-	0	0	-
NGPL MID-CONTINENT	NL	40	19.05	110.0%	0	-	40	19.05	110.0%
NGPL TEX/OK	PD	0	331.43	-100.0%	120	-100.0%	0	331.43	-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	5	2.38	100.0%	7.5	-36.5%	5	2.38	100.0%
NORTHEN NATURAL GAS DEMAR	PE	0	0	-	0	-	0	0	-
NORTHEN NATURAL GAS VENTU	PF	0	4.76	-100.0%	0	-	0	4.76	-100.0%
NORTHWEST ROCKIES BASIS S	NR	64	0	-	0	-	64	0	-
N ROCKIES PIPE SWAP	XR	0	0	-	0	-	0	0	-
NY1% VS GC SPREAD SWAP	VR	27	110.24	-75.8%	73.25	-63.6%	27	110.24	-75.8%
NY 3.0% FUEL OIL (PLATTS	H1	8	8.33	0.0%	5.5	51.5%	8	8.33	0.0%
NY HARBOR 1% FUEL OIL BAL	VK	0	0	-	0	-	0	0	-
NY HARBOR HEAT OIL SWP	MP	122	31.86	283.4%	83.85	45.7%	122	31.86	283.4%
NY HARBOR LOW SULPUR GAS 1000MBBL	NLS	15	0	-	0	-	15	0	-
NY HARBOR RESIDUAL FUEL 1	MM	35	70.19	-49.5%	63.25	-43.9%	35	70.19	-49.5%
NY HARBOR RESIDUAL FUEL C	ML	0	0	-	0	-	0	0	-
NYH NO 2 CRACK SPREAD CAL	HK	19	41.43	-55.2%	3	519.0%	19	41.43	-55.2%
NYISO CAPACITY	LHV	9	5.71	50.0%	6	42.9%	9	5.71	50.0%
NYISO CAPACITY	NNC	0	1.43	-100.0%	0	-	0	1.43	-100.0%
NYISO CAPACITY	NRS	3	0	-	3	-4.8%	3	0	-
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	-	0	0	-
NYISO ZONE G 5MW D AH PK	T3	0	20	-100.0%	0	-	0	20	-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	-
NY ULSD (ARGUS) VS HEATING OIL	7Y	16	0	-	0	-	16	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	0.48	-100.0%	0	-	0	0.48	-100.0%
PANHANDLE BASIS SWAP FUTU	PH	0	0	-	0	-	0	0	-
PANHANDLE PIPE SWAP	XH	0	0	-	0	-	0	0	-

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Energy Futures									
PERMIAN BASIS SWAP	PM	0	0	-	0	-	0	0	-
PETROCHEMICALS	22	13	3.38	285.9%	6.95	87.7%	13	3.38	285.9%
PETROCHEMICALS	32	3	8.19	-66.3%	5.55	-50.2%	3	8.19	-66.3%
PETROCHEMICALS	3NA	1	0	-	2	-59.5%	1	0	-
PETROCHEMICALS	51	0	0.14	-100.0%	0	-	0	0.14	-100.0%
PETROCHEMICALS	8I	46	10.33	342.4%	6.65	587.4%	46	10.33	342.4%
PETROCHEMICALS	91	39	31	27.0%	11	258.0%	39	31	27.0%
PETROCHEMICALS	JKM	25	12.62	98.1%	31	-19.4%	25	12.62	98.1%
PETROCHEMICALS	MAA	1	0	-	0	-	1	0	-
PETROCHEMICALS	MAE	13	3.33	285.7%	10.8	19.0%	13	3.33	285.7%
PETROCHEMICALS	MAS	14	4.76	190.0%	8.5	62.5%	14	4.76	190.0%
PETROCHEMICALS	MBE	14	66.67	-79.3%	13.5	2.3%	14	66.67	-79.3%
PETROCHEMICALS	MNB	53	82.38	-35.1%	46.6	14.8%	53	82.38	-35.1%
PETROCHEMICALS	MPS	15	3.33	350.0%	5.45	175.2%	15	3.33	350.0%
PETRO CRCKS & SPRDS ASIA	JNC	0	0	-	0	-	0	0	-
PETRO CRCKS & SPRDS ASIA	STR	0	0	-	19.5	-100.0%	0	0	-
PETRO CRCKS & SPRDS ASIA	STS	0	16.86	-100.0%	0	-	0	16.86	-100.0%
PETRO CRCKS & SPRDS NA	CRB	400	29.29	1265.9%	302.75	32.1%	400	29.29	1265.9%
PETRO CRCKS & SPRDS NA	EXR	115	146.48	-21.6%	88.65	29.6%	115	146.48	-21.6%
PETRO CRCKS & SPRDS NA	FOC	31	9.52	225.0%	15	106.3%	31	9.52	225.0%
PETRO CRCKS & SPRDS NA	GBB	81	58.33	38.8%	101.75	-20.4%	81	58.33	38.8%
PETRO CRCKS & SPRDS NA	GCC	0	19.05	-100.0%	0	-	0	19.05	-100.0%
PETRO CRCKS & SPRDS NA	GCI	84	155.38	-45.8%	17.35	385.8%	84	155.38	-45.8%
PETRO CRCKS & SPRDS NA	GCM	0	0	-	0	-	0	0	-
PETRO CRCKS & SPRDS NA	GCU	218	726	-69.9%	403.85	-46.0%	218	726	-69.9%
PETRO CRCKS & SPRDS NA	GFC	0	0	-	0	-	0	0	-
PETRO CRCKS & SPRDS NA	HOB	37	46.9	-20.8%	4.2	784.4%	37	46.9	-20.8%
PETRO CRCKS & SPRDS NA	MFR	0	0	-	0	-	0	0	-
PETRO CRCKS & SPRDS NA	NFG	0	0	-	0	-	0	0	-
PETRO CRCKS & SPRDS NA	NYF	0	0	-	0	-	0	0	-
PETRO CRCKS & SPRDS NA	RBB	507	288.71	75.8%	16.25	3022.9%	507	288.71	75.8%
PETRO CRCKS & SPRDS NA	RVG	586	943.67	-37.9%	657.1	-10.8%	586	943.67	-37.9%
PETRO CRCKS & SPRDS NA	SF3	0	0.71	-100.0%	1.25	-100.0%	0	0.71	-100.0%
PETRO CRK&SPRD EURO	1NB	121	68.81	75.4%	20.5	488.9%	121	68.81	75.4%
PETRO CRK&SPRD EURO	1ND	0	0	-	0	-	0	0	-
PETRO CRK&SPRD EURO	43	0	22.29	-100.0%	0	-	0	22.29	-100.0%

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Energy Futures									
PETRO CRK&SPRD EURO	BOB	32	110.29	-70.6%	21.85	48.4%	32	110.29	-70.6%
PETRO CRK&SPRD EURO	EOB	0	4.19	-100.0%	0	-	0	4.19	-100.0%
PETRO CRK&SPRD EURO	EPN	32	56.81	-43.5%	12.75	151.7%	32	56.81	-43.5%
PETRO CRK&SPRD EURO	EVC	32	124.24	-74.1%	25.2	27.6%	32	124.24	-74.1%
PETRO CRK&SPRD EURO	FVB	0	0	-	0	-	0	0	-
PETRO CRK&SPRD EURO	GCB	13	8.33	61.1%	16.25	-17.4%	13	8.33	61.1%
PETRO CRK&SPRD EURO	GOC	0	2.14	-100.0%	0	-	0	2.14	-100.0%
PETRO CRK&SPRD EURO	MGB	0	0	-	0	-	0	0	-
PETRO CRK&SPRD EURO	MUD	0	0.95	-50.0%	0	-	0	0.95	-50.0%
PETRO CRK&SPRD EURO	NBB	0	1.19	-100.0%	0	-	0	1.19	-100.0%
PETRO CRK&SPRD EURO	NOB	31	105.33	-70.4%	34.2	-8.8%	31	105.33	-70.4%
PETRO CRK&SPRD EURO	SFB	1	0	-	0	-	1	0	-
PETROLEUM PRODUCTS	EWG	173	386.05	-55.2%	140.6	23.1%	173	386.05	-55.2%
PETROLEUM PRODUCTS	MME	0	0	-	0	-	0	0	-
PETROLEUM PRODUCTS	MPE	0	0	-	0	-	0	0	-
PETROLEUM PRODUCTS	VU	6	0	-	0	-	6	0	-
PETROLEUM PRODUCTS ASIA	E6M	1	1.9	-25.0%	0	-	1	1.9	-25.0%
PETROLEUM PRODUCTS ASIA	MJN	82	168.05	-51.1%	70	17.5%	82	168.05	-51.1%
PETRO OUTFRIGHT EURO	OB	0	0.95	-100.0%	1	-100.0%	0	0.95	-100.0%
PETRO OUTFRIGHT EURO	OC	0	0	-	0	-	0	0	-
PETRO OUTFRIGHT EURO	OD	64	49.57	29.3%	60.25	6.4%	64	49.57	29.3%
PETRO OUTFRIGHT EURO	OE	1	0	-	0.55	55.8%	1	0	-
PETRO OUTFRIGHT EURO	OF	13	25	-49.5%	21.95	-42.5%	13	25	-49.5%
PETRO OUTFRIGHT EURO	1T	0	0.71	-100.0%	0	-	0	0.71	-100.0%
PETRO OUTFRIGHT EURO	33	0	0	-	0	-	0	0	-
PETRO OUTFRIGHT EURO	5L	2	0.48	420.0%	1.1	125.1%	2	0.48	420.0%
PETRO OUTFRIGHT EURO	63	0	0.95	-100.0%	0	-	0	0.95	-100.0%
PETRO OUTFRIGHT EURO	7I	8	3.05	176.6%	0	-	8	3.05	176.6%
PETRO OUTFRIGHT EURO	7R	9	17.81	-51.6%	3.85	123.9%	9	17.81	-51.6%
PETRO OUTFRIGHT EURO	88	0	2.38	-100.0%	0	-	0	2.38	-100.0%
PETRO OUTFRIGHT EURO	CBB	0	0.95	-100.0%	0	-	0	0.95	-100.0%
PETRO OUTFRIGHT EURO	CGB	0	0	-	0	-	0	0	-
PETRO OUTFRIGHT EURO	CPB	33	30.48	7.0%	7.75	320.9%	33	30.48	7.0%
PETRO OUTFRIGHT EURO	EFF	3	0	-	0	-	3	0	-
PETRO OUTFRIGHT EURO	ENS	0	0.48	-100.0%	0.25	-100.0%	0	0.48	-100.0%
PETRO OUTFRIGHT EURO	EWN	34	55.9	-39.9%	29.95	12.1%	34	55.9	-39.9%

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Energy Futures									
PETRO OUTFRIGHT EURO	FLB	0	0	-	0	-	0	0	-
PETRO OUTFRIGHT EURO	GES	0	0	-	0	-	0	0	-
PETRO OUTFRIGHT EURO	MBB	0	1.9	-100.0%	0	-	0	1.9	-100.0%
PETRO OUTFRIGHT EURO	MBN	17	60.71	-71.3%	52.2	-66.6%	17	60.71	-71.3%
PETRO OUTFRIGHT EURO	MEF	16	0	-	15.6	1.6%	16	0	-
PETRO OUTFRIGHT EURO	S5M	1	0	-	0	-	1	0	-
PETRO OUTFRIGHT EURO	SMU	0	3.71	-100.0%	0	-	0	3.71	-100.0%
PETRO OUTFRIGHT EURO	T0	0	0	-	0	-	0	0	-
PETRO OUTFRIGHT EURO	T2B	1	0	-	0	-	1	0	-
PETRO OUTFRIGHT EURO	V0	0	22.86	-100.0%	0	-	0	22.86	-100.0%
PETRO OUTFRIGHT EURO	X0	0	0	-	0	-	0	0	-
PETRO OUTFRIGHT NA	FCB	0	6.1	-100.0%	0	-	0	6.1	-100.0%
PETRO OUTFRIGHT NA	FOM	0	0	-	0	-	0	0	-
PETRO OUTFRIGHT NA	JE	0	0	-	0	-	0	0	-
PETRO OUTFRIGHT NA	JET	92	90	1.9%	86	6.6%	92	90	1.9%
PETRO OUTFRIGHT NA	JTB	35	23.81	45.0%	22.5	53.4%	35	23.81	45.0%
PETRO OUTFRIGHT NA	MBL	0	0	-	0	-	0	0	-
PETRO OUTFRIGHT NA	MEN	13	4.81	176.2%	4.7	182.7%	13	4.81	176.2%
PETRO OUTFRIGHT NA	MEO	131	195.14	-32.9%	70.25	86.5%	131	195.14	-32.9%
PETRO OUTFRIGHT NA	MFD	0	0	-	0	-	0	0	-
PETRO OUTFRIGHT NA	MMF	3	0.38	787.4%	2	69.0%	3	0.38	787.4%
PETRO OUTFRIGHT NA	XER	0	0	-	0	-	0	0	-
PJM AD HUB 5MW REAL TIME	V3	1,114	0	-	372	199.5%	1,114	0	-
PJM AD HUB 5MW REAL TIME	Z9	61	242.86	-75.0%	42	44.6%	61	242.86	-75.0%
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	-
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	242.86	-100.0%	42	-100.0%	0	242.86	-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	-

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Energy Futures									
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	2,228.57	-100.0%	0	-	0	2,228.57	-100.0%
PJM WESTHDA PEAK	J4	0	121.43	-100.0%	0	-	0	121.43	-100.0%
PJM WESTH RT OFF-PEAK	N9	1,114	2,228.57	-50.0%	1,002	11.2%	1,114	2,228.57	-50.0%
PJM WESTH RT PEAK	L1	124	602.38	-79.4%	143	-13.3%	124	602.38	-79.4%
PLASTICS	PGP	70	15.81	344.9%	26.85	161.9%	70	15.81	344.9%
PREMIUM UNLND 10P FOB MED	3G	17	12.52	36.1%	16	6.5%	17	12.52	36.1%
PREMIUM UNLEAD 10PPM FOB	8G	0	4.05	-100.0%	0	-	0	4.05	-100.0%
PREM UNL GAS 10PPM RDAM FOB BALMO	7N	1	0	-	0	-	1	0	-
PREM UNL GAS 10PPM RDAM FOB SWAP	7L	1	0	-	2	-64.3%	1	0	-
PROPANE NON-LDH MB (OPIS) BALMO SWP	1S	132	12.38	964.6%	90.85	45.1%	132	12.38	964.6%
PROPANE NON-LDH MT. BEL (OPIS) SWP	1R	800	263.62	203.3%	583.3	37.1%	800	263.62	203.3%
RBOB CALENDAR SWAP	RL	231	197.52	17.1%	160.05	44.5%	231	197.52	17.1%
RBOB CRACK SPREAD	RM	32	76.9	-58.2%	3.75	757.1%	32	76.9	-58.2%
RBOB GASOLINE BALMO CLNDR	1D	31	10.76	192.0%	25.45	23.5%	31	10.76	192.0%
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	19.05	-100.0%	0	-	0	19.05	-100.0%
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	2.86	-83.3%	0.8	-40.5%	0	2.86	-83.3%
SINGAPORE 380CST BALMO	BT	1	2.62	-63.6%	8	-88.1%	1	2.62	-63.6%
SINGAPORE 380CST FUEL OIL	SE	206	301.43	-31.5%	193.15	6.9%	206	301.43	-31.5%
SINGAPORE FUEL 180CST CAL	UA	13	34.71	-63.5%	10.05	26.0%	13	34.71	-63.5%
SINGAPORE FUEL OIL SPREAD	SD	5	13.1	-59.3%	3.75	42.2%	5	13.1	-59.3%
SINGAPORE GASOIL	MAF	74	0	-	134.75	-44.9%	74	0	-
SINGAPORE GASOIL	MTB	2	3.43	-48.6%	3.05	-42.2%	2	3.43	-48.6%
SINGAPORE GASOIL	MTS	225	212.9	5.7%	146.75	53.3%	225	212.9	5.7%
SINGAPORE GASOIL	STZ	0	179.76	-100.0%	0	-	0	179.76	-100.0%
SINGAPORE GASOIL CALENDAR	GDH	0	2.38	-100.0%	0	-	0	2.38	-100.0%
SINGAPORE GASOIL CALENDAR	GDL	0	11.9	-100.0%	0	-	0	11.9	-100.0%
SINGAPORE GASOIL CALENDAR	GHS	0	0	-	0.45	-100.0%	0	0	-

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Energy Futures									
SINGAPORE GASOIL CALENDAR	MGO	0	5.24	-100.0%	1.05	-100.0%	0	5.24	-100.0%
SINGAPORE GASOIL CALENDAR	MSG	12	173.29	-92.9%	12.5	-1.0%	12	173.29	-92.9%
SINGAPORE GASOIL CALENDAR	SGG	0	10.71	-100.0%	0	-	0	10.71	-100.0%
SINGAPORE GASOIL SWAP	SG	95	588.52	-83.9%	104.25	-9.2%	95	588.52	-83.9%
SINGAPORE GASOIL VS ICE	GA	60	1,476.19	-95.9%	66.25	-9.1%	60	1,476.19	-95.9%
SINGAPORE JET KERO BALMO	BX	0	0	-	0	-	0	0	-
SINGAPORE JET KERO GASOIL	RK	5	380	-98.7%	26.25	-81.9%	5	380	-98.7%
SINGAPORE JET KEROSENE SW	KS	35	50	-29.5%	8.75	302.7%	35	50	-29.5%
SINGAPORE JET KERO VS. GASOIL BALMO	Z0	0	1.19	-100.0%	0	-	0	1.19	-100.0%
SINGAPORE MOGAS 92 UNLEADED BALMO	1P	5	31.19	-84.7%	14.8	-67.8%	5	31.19	-84.7%
SINGAPORE MOGAS 92 UNLEADED SWP	1N	703	1,116.62	-37.0%	506.3	38.9%	703	1,116.62	-37.0%
SINGAPORE NAPHTHA SWAP	SP	0	0	-	0	-	0	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	0	-
TC2 ROTTERDAM TO USAC 37K	TM	6	5.71	0.0%	0	-	6	5.71	0.0%
TC5 RAS TANURA TO YOKOHAM	TH	18	2.62	572.7%	24	-26.6%	18	2.62	572.7%
TCO BASIS SWAP	TC	0	0	-	42.8	-100.0%	0	0	-
TD3 MEG TO JAPAN 250K MT	TL	200	13.29	1403.6%	156.25	27.8%	200	13.29	1403.6%
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	1.43	-100.0%	1	-100.0%	0	1.43	-100.0%
ULSD 10PPM CIF MED VS ICE	Z7	0	0.43	-100.0%	0	-	0	0.43	-100.0%
ULSD UP-DOWN BALMO SWP	1L	407	312.86	30.0%	180	125.9%	407	312.86	30.0%
UP DOWN GC ULSD VS NMX HO	LT	1,737	2,467.43	-29.6%	1,038.6	67.2%	1,737	2,467.43	-29.6%
WAHA BASIS	NW	6	66.57	-91.1%	12.5	-52.4%	6	66.57	-91.1%
WESTERN RAIL DELIVERY PRB	QP	0	0	-	0	-	0	0	-
WTI-BRENT BULLET SWAP	BY	29	0	-	0	-	29	0	-
WTI-BRENT CALENDAR SWAP	BK	968	2,474.81	-60.9%	671.95	44.0%	968	2,474.81	-60.9%
WTI CALENDAR	CS	1,407	2,267.62	-38.0%	1,289.75	9.1%	1,407	2,267.62	-38.0%
WTS (ARGUS) VS WTI SWAP	FF	387	515.71	-25.0%	128.7	200.4%	387	515.71	-25.0%

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Energy Futures									
WTS (ARGUS) VS WTI TRD MT	FH	65	0	-	6	979.4%	65	0	-
Energy Options									
BRENT 1 MONTH CAL	AA	0	0	-	0	-	0	0	-
BRENT CALENDAR SWAP	BA	0	54.29	-100.0%	150	-100.0%	0	54.29	-100.0%
BRENT CRUDE OIL 12 M CSO	9Y	0	95.24	-100.0%	0	-	0	95.24	-100.0%
BRENT CRUDE OIL 1 M CSO	9C	714	0	-	600	19.0%	714	0	-
BRENT CRUDE OIL 6 M CSO	9L	0	0	-	0	-	0	0	-
BRENT OIL LAST DAY	BE	2,121	23.81	8809.8%	3,244.1	-34.6%	2,121	23.81	8809.8%
BRENT OIL LAST DAY	BZO	4,941	4,553.76	8.5%	4,927.6	0.3%	4,941	4,553.76	8.5%
BRENT OIL LAST DAY	OS	0	1.9	-100.0%	5	-100.0%	0	1.9	-100.0%
COAL API2 INDEX	CLA	0	29.05	-100.0%	2.5	-100.0%	0	29.05	-100.0%
COAL API2 INDEX	CQA	8	7.14	16.7%	0	-	8	7.14	16.7%
COAL API4 INDEX	RLA	0	1.19	-100.0%	0	-	0	1.19	-100.0%
COAL API4 INDEX	RQA	0	2.86	-100.0%	0	-	0	2.86	-100.0%
COAL SWAP	CPF	0	0	-	0	-	0	0	-
COAL SWAP	RPF	0	0	-	0	-	0	0	-
CRUDE OIL 1MO	WA	16,181	11,165.48	44.9%	8,975	80.3%	16,181	11,165.48	44.9%
CRUDE OIL APO	AO	772	3,026.9	-74.5%	2,397.45	-67.8%	772	3,026.9	-74.5%
CRUDE OIL CALNDR STRIP	6F	0	0	-	0	-	0	0	-
CRUDE OIL OUTRIGHTS	AH	0	0	-	0	-	0	0	-
CRUDE OIL OUTRIGHTS	WCI	39	0	-	0	-	39	0	-
CRUDE OIL PHY	CD	0	66.67	-100.0%	25	-100.0%	0	66.67	-100.0%
CRUDE OIL PHY	LC	338	807.86	-58.1%	1,002.55	-66.2%	338	807.86	-58.1%
CRUDE OIL PHY	LO	118,514	181,012.38	-34.5%	161,351.4	-26.5%	118,514	181,012.38	-34.5%
CRUDE OIL PHY	LO1	903	751.05	20.2%	967.75	-6.7%	903	751.05	20.2%
CRUDE OIL PHY	LO2	769	717.19	7.2%	36.9	1983.4%	769	717.19	7.2%
CRUDE OIL PHY	LO3	353	746.62	-52.7%	1,293.6	-72.7%	353	746.62	-52.7%
CRUDE OIL PHY	LO4	470	671.95	-30.1%	923.3	-49.1%	470	671.95	-30.1%
CRUDE OIL PHY	LO5	0	0	-	0	-	0	0	-
ETHANOL	CE1	0	0	-	0	-	0	0	-
ETHANOL	CE3	0	0	-	0	-	0	0	-
ETHANOL SWAP	CVR	262	483.33	-45.8%	185.6	41.2%	262	483.33	-45.8%
ETHANOL SWAP	GVR	29	8.57	233.3%	20.25	41.1%	29	8.57	233.3%

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Energy Options									
HEATING OIL PHY	LB	0	0	-	52.4	-100.0%	0	0	-
HEATING OIL PHY	OH	1,479	1,577.43	-6.3%	1,869.05	-20.9%	1,479	1,577.43	-6.3%
HENRY HUB FINANCIAL LAST	E7	492	429.48	14.6%	224.75	119.0%	492	429.48	14.6%
HO 1 MONTH CLNDR OPTIONS	FA	48	0	-	0	-	48	0	-
LLS CRUDE OIL	WJO	0	0	-	0	-	0	0	-
LLS CRUDE OIL	YVO	0	0	-	0	-	0	0	-
MCCLOSKEY ARA ARGS COAL	MTO	6	0	-	0	-	6	0	-
MCCLOSKEY RCH BAY COAL	MFO	0	14.29	-100.0%	0	-	0	14.29	-100.0%
NATURAL GAS 1 M CSO FIN	G4	5,500	6,946.05	-20.8%	3,926.95	40.1%	5,500	6,946.05	-20.8%
NATURAL GAS 2 M CSO FIN	G2	0	0	-	0	-	0	0	-
NATURAL GAS 3 M CSO FIN	G3	0	47.67	-100.0%	0	-	0	47.67	-100.0%
NATURAL GAS 5 M CSO FIN	G5	0	0	-	0	-	0	0	-
NATURAL GAS 6 M CSO FIN	G6	404	697.62	-42.2%	317.5	27.1%	404	697.62	-42.2%
NATURAL GAS OPTION ON CALENDAR STR	6J	43	524	-91.8%	149	-71.2%	43	524	-91.8%
NATURAL GAS PHY	KD	110	1,998	-94.5%	52.25	109.6%	110	1,998	-94.5%
NATURAL GAS PHY	LN	109,045	200,736.24	-45.7%	86,242.8	26.4%	109,045	200,736.24	-45.7%
NATURAL GAS PHY	ON	8,726	19,228.62	-54.6%	7,407.8	17.8%	8,726	19,228.62	-54.6%
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	107	102.05	4.9%	184	-41.8%	107	102.05	4.9%
NYISO ZONE G 5MW PEAK OPTIONS	9U	0	0	-	0	-	0	0	-
PANHANDLE PIPE SWAP	PU	0	0	-	0	-	0	0	-
PETROCHEMICALS	4H	11	56.57	-81.1%	0	-	11	56.57	-81.1%
PETROCHEMICALS	4J	0	0	-	0	-	0	0	-
PETROCHEMICALS	4K	0	0	-	0	-	0	0	-
PETROCHEMICALS	CPR	0	0	-	0	-	0	0	-
PETRO OUTRIGHT EURO	8H	0	0	-	0	-	0	0	-
PETRO OUTRIGHT EURO	BCO	1	0	-	0	-	1	0	-
PETRO OUTRIGHT NA	DAP	0	0	-	12	-100.0%	0	0	-
PJM WES HUB PEAK CAL MTH	6OA	0	0	-	3	-100.0%	0	0	-
PJM WES HUB PEAK CAL MTH	JOA	0	0	-	0	-	0	0	-
PJM WES HUB PEAK LMP 50MW	PMA	21	73.24	-71.4%	0	-	21	73.24	-71.4%
RBOB 1MO CAL SPD OPTIONS	ZA	7	0	-	0	-	7	0	-
RBOB CALENDAR SWAP	RA	9	0	-	11.25	-23.8%	9	0	-
RBOB CRACK	RX	0	0	-	0	-	0	0	-
RBOB PHY	OB	390	723.48	-46.1%	440.4	-11.5%	390	723.48	-46.1%

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Energy Options									
RBOB PHY	RF	0	0	-	0	-	0	0	-
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	14.29	-100.0%	0	-	0	14.29	-100.0%
SHORT TERM	U12	0	4.76	-100.0%	0	-	0	4.76	-100.0%
SHORT TERM	U13	0	0	-	0	-	0	0	-
SHORT TERM	U14	2	0	-	0	-	2	0	-
SHORT TERM	U15	10	0	-	0	-	10	0	-
SHORT TERM	U22	0	48.81	-100.0%	0	-	0	48.81	-100.0%
SHORT TERM	U23	0	8.57	-100.0%	0	-	0	8.57	-100.0%
SHORT TERM	U24	0	4.76	-100.0%	0	-	0	4.76	-100.0%
SHORT TERM	U25	0	0	-	0	-	0	0	-
SHORT TERM	U26	0	0	-	0	-	0	0	-
SHORT TERM NATURAL GAS	U01	24	5.95	300.0%	0	-	24	5.95	300.0%
SHORT TERM NATURAL GAS	U02	0	0	-	0	-	0	0	-
SHORT TERM NATURAL GAS	U03	0	6.19	-100.0%	0	-	0	6.19	-100.0%
SHORT TERM NATURAL GAS	U04	0	11.9	-100.0%	0	-	0	11.9	-100.0%
SHORT TERM NATURAL GAS	U05	0	1.19	-100.0%	0	-	0	1.19	-100.0%
SHORT TERM NATURAL GAS	U06	0	0	-	0	-	0	0	-
SHORT TERM NATURAL GAS	U07	5	0	-	0	-	5	0	-
SHORT TERM NATURAL GAS	U08	0	42.86	-100.0%	0	-	0	42.86	-100.0%
SHORT TERM NATURAL GAS	U09	5	2.43	96.1%	0	-	5	2.43	96.1%
SHORT TERM NATURAL GAS	U10	0	4.76	-100.0%	0	-	0	4.76	-100.0%
SHORT TERM NATURAL GAS	U16	5	19.05	-75.0%	0	-	5	19.05	-75.0%
SHORT TERM NATURAL GAS	U17	0	10.48	-100.0%	0	-	0	10.48	-100.0%
SHORT TERM NATURAL GAS	U18	0	23.81	-100.0%	0	-	0	23.81	-100.0%
SHORT TERM NATURAL GAS	U19	0	2.86	-100.0%	0	-	0	2.86	-100.0%
SHORT TERM NATURAL GAS	U20	0	0	-	0	-	0	0	-
SHORT TERM NATURAL GAS	U21	0	0	-	12.5	-100.0%	0	0	-
SHORT TERM NATURAL GAS	U27	0	0	-	5	-100.0%	0	0	-
SHORT TERM NATURAL GAS	U28	0	0	-	0	-	0	0	-
SHORT TERM NATURAL GAS	U29	0	4.76	-100.0%	0	-	0	4.76	-100.0%
SHORT TERM NATURAL GAS	U30	0	4.76	-100.0%	0	-	0	4.76	-100.0%
SHORT TERM NATURAL GAS	U31	40	1.19	3299.9%	22.5	79.9%	40	1.19	3299.9%
SINGAPORE GASOIL CALENDAR	M2	0	0	-	0	-	0	0	-

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Commodity	ADV JAN 2019	ADV JAN 2018	% CHG	ADV DEC 2019	% CHG	ADV Y.T.D 2019	ADV Y.T.D 2018	% CHG	
Energy Options									
SINGAPORE JET FUEL CALEND	N2	0	0	-	-	0	0	-	
WTI-BRENT BULLET SWAP	BV	4,103	5,089.43	-19.4%	879.25	366.6%	4,103	5,089.43	-19.4%
WTI CRUDE OIL 1 M CSO FI	7A	2,879	3,645.24	-21.0%	1,345	114.0%	2,879	3,645.24	-21.0%
Ag Products Futures									
COCOA TAS	CJ	0	0	-	-	0	0	-	
COTTON	TT	0	0.1	50.1%	0.05	185.8%	0	0.1	50.1%
SUGAR 11	YO	0	0	-	-	0	0	-	
TOTAL FUTURES GROUP									
Ag Products Futures		0	0.1	50.1%	0.05	185.8%	0	0.1	50.1%
Energy Futures		2,209,982	2,661,473.72	-17.0%	2,050,879.45	7.8%	2,209,982	2,661,473.72	-17.0%
Metals Futures		502,027	706,947.19	-29.0%	380,123.15	32.1%	502,027	706,947.19	-29.0%
TOTAL FUTURES		2,712,009	3,368,421	-19.5%	2,431,002.65	11.6%	2,712,008.81	3,368,421	-19.5%
TOTAL OPTIONS GROUP									
Energy Options		279,884	446,340	-37.3%	289,265.4	-3.2%	279,884	446,340	-37.3%
Metals Options		61,635	56,433.76	9.2%	58,864.7	4.7%	61,635	56,433.76	9.2%
TOTAL OPTIONS		341,519	502,773.76	-32.1%	348,130.1	-1.9%	341,518.95	502,773.76	-32.1%
TOTAL COMBINED									
Metals		563,662	763,380.95	-26.2%	438,987.85	28.4%	563,662	763,380.95	-26.2%
Energy		2,489,866	3,107,813.72	-19.9%	2,340,144.85	6.4%	2,489,866	3,107,813.72	-19.9%
Ag Products		0	0.1	50.1%	0.05	185.8%	0	0.1	50.1%
GRAND TOTAL		3,053,528	3,871,194.76	-21.1%	2,779,132.75	9.9%	3,053,527.76	3,871,194.76	-21.1%