

## NYMEX/COMEX Exchange ADV Report - Monthly

June 2019

Page 1 of 19

Commodity		ADV JUN 2019	ADV JUN 2018	% CHG	ADV MAY 2019	% CHG	ADV Y.T.D 2019	ADV Y.T.D 2018	% CHG
<b>Metals Futures</b>									
COMEX GOLD	GC	365,429	273,283.33	33.7%	324,668.68	12.6%	294,480	354,776.97	-17.0%
NYMEX HOT ROLLED STEEL	HR	702	248.86	181.9%	1,291.59	-45.7%	900	447.59	101.1%
NYMEX PLATINUM	PL	29,678	31,088.71	-4.5%	18,855.64	57.4%	22,474	22,577.56	-0.5%
PALLADIUM	PA	3,718	4,460.05	-16.6%	5,901.77	-37.0%	5,392	5,844.99	-7.8%
URANIUM	UX	62	20.52	200.6%	53.41	15.5%	73	11.54	534.6%
COMEX SILVER	SI	132,561	118,397.19	12.0%	67,102.95	97.5%	86,904	103,991.45	-16.4%
COMEX E-Mini GOLD	QO	1,237	246.43	401.9%	672.14	84.0%	551	325.44	69.2%
COMEX E-Mini SILVER	QI	276	75.52	265.4%	264.68	4.3%	178	59.54	198.3%
COMEX COPPER	HG	112,853	172,371.81	-34.5%	94,646.68	19.2%	103,132	140,368.58	-26.5%
COMEX MINY COPPER	QC	51	19.9	156.7%	19.77	158.4%	32	25.44	23.9%
ALUMINUM	A38	0	0	-	0	-	0	0	-
ALUMINUM	AEP	18	45.71	-60.6%	38.18	-52.9%	73	86.4	-15.4%
ALUMINUM	ALA	0	14.29	-100.0%	5.45	-100.0%	2	32	-94.0%
ALUMINUM	ALI	0	0	-	0	-	0	0	-
ALUMINUM	AUP	82	341.67	-76.1%	353.41	-76.9%	279	528.9	-47.2%
ALUMINUM	CUP	0	0	-	0	-	0	1.64	-100.0%
ALUMINUM	EDP	43	8.57	395.8%	51.82	-18.0%	89	69.26	28.3%
ALUMINUM	MJP	0	18.1	-100.0%	65.45	-100.0%	34	62.84	-46.1%
COPPER	HGS	5	24.57	-80.7%	91	-94.8%	46	85.11	-45.6%
E-MICRO GOLD	MGC	24,552	5,341.67	359.6%	7,913.59	210.3%	11,845	6,240.37	89.8%
FERROUS PRODUCTS	BUS	66	7.38	792.2%	41.95	57.0%	62	83.64	-26.1%
Gold Kilo	GCK	0	0	-	0	-	0	1.09	-100.0%
IRON ORE 62 CHINA PLATTS FUTURES	PIO	0	0	-	0	-	0	0	-
IRON ORE 62 CHINA TSI FUTURES	TIO	188	131.71	42.5%	258.14	-27.3%	313	180.23	73.6%
LNDN ZINC	ZNC	2	53.14	-96.6%	4.91	-63.3%	10	10.34	-4.1%
SILVER	SIL	929	463.24	100.5%	651.14	42.7%	770	356.34	116.1%

### Metals Options

COMEX COPPER	HX	3,335	1,581.95	110.8%	2,318.09	43.9%	3,015	1,093.9	175.6%
COMEX GOLD	OG	105,121	45,701.57	130.0%	45,550.68	130.8%	55,239	46,200.63	19.6%
COMEX SILVER	SO	9,324	9,134.86	2.1%	5,374.86	73.5%	6,457	7,393.51	-12.7%
COPPER	H1E	1	0	-	0.77	-2.9%	1	0	-
COPPER	H2E	2	0.33	635.1%	10.09	-75.7%	3	0.06	4479.5%
COPPER	H3E	1	0.24	404.0%	1.27	-5.7%	1	0.04	1492.8%

## NYMEX/COMEX Exchange ADV Report - Monthly

June 2019

Page 2 of 19

Commodity		ADV JUN 2019	ADV JUN 2018	% CHG	ADV MAY 2019	% CHG	ADV Y.T.D 2019	ADV Y.T.D 2018	% CHG
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COPPER	H4E	3	1.19	118.4%	0.5	420.0%	1	0.29	166.0%
COPPER	H5E	0	0	-	0.45	-100.0%	0	0	-
GOLD	OG1	4,077	294.9	1282.3%	807.14	405.1%	1,559	475.34	227.9%
GOLD	OG2	2,004	352.67	468.3%	1,720.09	16.5%	1,353	402.58	236.1%
GOLD	OG3	1,547	586.1	164.0%	819.36	88.8%	982	487.47	101.5%
GOLD	OG4	2,123	377.48	462.4%	961.73	120.7%	815	284.06	186.8%
GOLD	OG5	0	406.67	-100.0%	679.09	-100.0%	231	123	87.9%
HOT ROLLED COIL STEEL CALL OPTION	HRO	0	0	-	0	-	5	0	-
IRON ORE 62 CHINA TSI CALL OPTION	ICT	0	0	-	0	-	54	1.6	3256.9%
IRON ORE 62 CHINA TSI PUT OPTION	ICT	0	9.52	-100.0%	0	-	29	10.24	183.5%
NYMEX PLATINUM	PO	236	278.05	-15.1%	209.5	12.6%	193	172.88	11.6%
PALLADIUM	PAO	86	123.48	-30.7%	52.64	62.6%	67	153.34	-56.2%
SILVER	SO1	157	22.19	606.2%	68.91	127.4%	66	9.65	584.1%
SILVER	SO2	78	25.95	202.3%	35.45	121.3%	46	9.7	374.3%
SILVER	SO3	50	38.19	30.1%	41.45	19.9%	52	14.14	267.0%
SILVER	SO4	55	23.9	128.8%	26.14	109.3%	26	7.81	233.1%
SILVER	SO5	0	49.9	-100.0%	25.55	-100.0%	15	9.45	59.4%

### Energy Futures

CRUDE OIL PHY	CL	1,171,776	1,360,838.24	-13.9%	1,296,565.82	-9.6%	1,226,421	1,342,371.67	-8.6%
CRUDE OIL	WS	0	95.24	-100.0%	0	-	135	82.71	62.8%
MINY WTI CRUDE OIL	QM	29,542	18,134.81	62.9%	23,291.23	26.8%	21,439	15,814.86	35.6%
BRENT OIL LAST DAY	BZ	125,194	104,385.86	19.9%	143,536.09	-12.8%	105,753	89,593.71	18.0%
HEATING OIL PHY	HO	168,542	178,002.1	-5.3%	182,355.91	-7.6%	163,188	193,788.8	-15.8%
HTG OIL	BH	0	0	-	0	-	0	0.38	0.8%
MINY HTG OIL	QH	0	0.14	5.0%	0.14	10.0%	0	0.14	12.0%
RBOB PHY	RB	213,508	198,808.24	7.4%	219,704.36	-2.8%	217,621	199,278.76	9.2%
MINY RBOB GAS	QU	0	0.19	83.7%	0.27	28.3%	0	0.15	96.3%
NATURAL GAS	HP	5,818	2,646.67	119.8%	4,845.59	20.1%	5,367	5,950.51	-9.8%
LTD NAT GAS	HH	17,075	14,038.14	21.6%	12,743.64	34.0%	15,529	16,999.58	-8.7%
MINY NATURAL GAS	QG	1,369	887.43	54.3%	1,101.5	24.3%	1,272	1,340.5	-5.1%
PJM MONTHLY	JM	0	0	-	0	-	0	0	-
NATURAL GAS PHY	NG	417,211	381,448.33	9.4%	320,445.86	30.2%	362,192	436,731.07	-17.1%

## NYMEX/COMEX Exchange ADV Report - Monthly

June 2019

Page 3 of 19

Commodity		ADV JUN 2019	ADV JUN 2018	% CHG	ADV MAY 2019	% CHG	ADV Y.T.D 2019	ADV Y.T.D 2018	% CHG
<b>Energy Futures</b>									
RBOB GAS	RT	0	0	-	0	-	0	114.7	-99.6%
3.5% FUEL OIL CID MED SWA	7D	0	0	-	2.86	-91.3%	1	3.62	-82.6%
3.5% FUEL OIL CIF BALMO S	8D	0	0	-	0	-	0	0.76	-78.8%
AEP-DAYTON HUB DAILY	VD	0	0	-	0	-	0	0	-
AEP-DAYTON HUB MTHLY	VM	0	0	-	0	-	0	0	-
AEP-DAYTON HUB OFF-PEAK M	VP	0	0	-	0	-	0	0	-
ALGONQUIN CITYGATES BASIS	B4	0	0	-	0	-	0	0	-
ANR OKLAHOMA	NE	0	0	-	0	-	0	0	-
ARGUS LLS VS. WTI (ARG) T	E5	295	1,188.52	-75.2%	207.5	42.2%	566	1,281.05	-55.8%
ARGUS PROPAN FAR EST INDE	7E	284	165.33	71.7%	257.23	10.4%	303	291.06	4.0%
ARGUS PROPAN(SAUDI ARAMCO	9N	100	63.57	56.9%	130.41	-23.5%	140	121.02	15.8%
AUSTRIALIAN COKE COAL	ACT	0	0	-	0	-	0	0.16	-100.0%
AUSTRIALIAN COKE COAL	ALW	0	0	-	0	-	0	0	-
BRENT BALMO SWAP	J9	10	0	-	0	-	7	0.4	1740.7%
BRENT CALENDAR SWAP	CY	612	129.86	370.9%	519.55	17.7%	291	186.58	55.9%
BRENT CFD SWAP	6W	0	0	-	0	-	0	2.4	-100.0%
BRENT FINANCIAL FUTURES	BB	0	108.95	-100.0%	0	-	56	106.11	-46.8%
BRENT FINANCIAL FUTURES	MBC	0	0	-	1	-100.0%	1	0	-
BRENT FINANCIAL FUTURES	MDB	0	0	-	0	-	0	1.79	-100.0%
BRENT OIL LAST DAY	BZL	0	0	-	0	-	0	0	-
BRENT OIL LAST DAY	BZS	0	0	-	0	-	0	0	-
CANADIAN LIGHT SWEET OIL	CIL	0	0	-	0	-	0	0	-
CENTERPOINT BASIS SWAP	PW	0	0	-	0	-	0	0.29	-100.0%
CHICAGO ETHANOL SWAP	CU	4,842	3,938.19	23.0%	5,525.77	-12.4%	5,268	5,002.26	5.3%
CHICAGO ULSD PL VS HO SPR	5C	34	31.52	6.6%	49.82	-32.6%	31	15.87	95.6%
CHICAGO UNL GAS PL VS RBO	3C	10	4.76	110.0%	0	-	7	5	41.1%
CIG BASIS	CI	0	0	-	0	-	0	1.57	-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	22	76.38	-71.1%	23.82	-7.2%	26	60.64	-57.7%
CIN HUB 5MW REAL TIME O P	H4	0	0	-	0	-	32	0	-
CIN HUB 5MW REAL TIME PK	H3	0	0	-	0	-	3	0	-
COAL SWAP	ACM	0	5.71	-100.0%	0	-	0	3.36	-100.0%
COLUMB GULF MAINLINE NG B	5Z	0	0	-	0	-	3	0	-
CONWAY NATURAL GASOLINE (OPIS) SWA	8L	4	4.86	-22.8%	5.64	-33.5%	10	9.8	-2.6%

## NYMEX/COMEX Exchange ADV Report - Monthly

June 2019

Page 4 of 19

Commodity		ADV JUN 2019	ADV JUN 2018	% CHG	ADV MAY 2019	% CHG	ADV Y.T.D 2019	ADV Y.T.D 2018	% CHG
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CONWAY NORMAL BUTANE (OPIS) SWAP	8M	50	77.71	-35.5%	28.86	73.7%	20	17.74	11.9%
CONWAY PROPANE 5 DECIMALS SWAP	8K	1,056	800.38	32.0%	776.23	36.1%	766	780.53	-1.8%
CRUDE OIL	LPS	120	214.29	-44.0%	136.36	-12.0%	143	230.44	-38.0%
CRUDE OIL OUTRIGHTS	42	21	19.62	5.5%	22.32	-7.3%	24	12.43	95.2%
CRUDE OIL OUTRIGHTS	CC5	38	0	-	15.91	135.7%	20	0	-
CRUDE OIL OUTRIGHTS	CPD	0	0	-	0	-	0	23.65	-100.0%
CRUDE OIL OUTRIGHTS	CSW	27	0	-	16.36	61.9%	24	0.04	58771.0%
CRUDE OIL OUTRIGHTS	DBL	20	0	-	0	-	3	0.79	307.3%
CRUDE OIL OUTRIGHTS	GSW	0	0	-	0	-	2	0.84	165.0%
CRUDE OIL OUTRIGHTS	HTT	2,407	2,645.14	-9.0%	3,140.82	-23.4%	2,869	2,657.54	8.0%
CRUDE OIL OUTRIGHTS	LSW	9	0	-	5.45	65.0%	25	2.32	990.8%
CRUDE OIL OUTRIGHTS	SSW	0	0	-	0	-	0	0	-
CRUDE OIL OUTRIGHTS	UMD	0	0	-	0	-	0	38.4	-100.0%
CRUDE OIL OUTRIGHTS	UNS	0	0	-	0	-	0	60.43	-100.0%
CRUDE OIL OUTRIGHTS	WCC	0	0	-	0	-	0	0	-
CRUDE OIL OUTRIGHTS	WCW	177	109.1	61.8%	145.55	21.3%	248	409.54	-39.4%
CRUDE OIL PHY	CLL	0	0	-	0	-	0	0	-
CRUDE OIL PHY	HCL	637	0	-	1,162.91	-45.2%	1,052	0	-
CRUDE OIL SPRDS	38	0	0	-	0	-	0	16.44	-100.0%
CRUDE OIL SPRDS	HIL	0	0	-	32.73	-100.0%	6	0	-
CRUDE OIL SPRDS	WTT	1,141	1,812.05	-37.1%	1,346.68	-15.3%	1,099	2,510.32	-56.2%
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	18.57	-100.0%	4.55	-100.0%	8	24.4	-66.9%

## NYMEX/COMEX Exchange ADV Report - Monthly

June 2019

Page 5 of 19

Commodity		ADV JUN 2019	ADV JUN 2018	% CHG	ADV MAY 2019	% CHG	ADV Y.T.D 2019	ADV Y.T.D 2018	% CHG
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DIESEL 10P BRG FOB RDM VS	7X	0	0	-	0	-	0	0.04	-100.0%
DOMINION TRAN INC - APP I	IH	0	0	-	0	-	0	0	-
DOMINION TRANSMISSION INC	PG	0	0	-	0	-	0	1.01	-100.0%
DUBAI CRUDE OIL BALMO	BI	0	0	-	0	-	0	1	-100.0%
DUBAI CRUDE OIL CALENDAR	DC	59	12.9	355.3%	4.77	1131.0%	137	95.62	43.8%
DUTCH TTF NATURAL GAS CAL MONTH FUT	TTF	211	52.48	301.8%	292.91	-28.0%	338	53.58	530.3%
EASTERN RAIL DELIVERY CSX	QX	0	2.14	-100.0%	0	-	0	1.84	-100.0%
EAST/WEST FUEL OIL SPREAD	EW	1	0	-	0	-	0	1.26	-93.6%
EIA FLAT TAX ONHWAY DIESE	A5	34	27.24	25.9%	22.73	50.9%	18	11.59	56.7%
ELEC ERCOT DLY OFF PK	I4	0	0	-	0	-	0	0	-
ELEC ERCOT DLY PEAK	I3	0	0	-	0	-	0	0	-
ELEC ERCOT DLY PEAK	I7	0	0	-	0	-	0	0	-
ELEC ERCOT OFF PEAK	I2	0	0	-	0	-	0	156.8	-100.0%
ELEC FINSETTLED	47	0	0	-	0	-	0	0	-
ELEC MISO PEAK	4L	0	0	-	0	-	0	0	-
ELEC MISO PEAK	55	0	0	-	0	-	0	0	-
ELEC NYISO OFF-PEAK	4M	0	0	-	0	-	0	0	-
ELEC NYISO OFF-PEAK	58	0	0	-	0	-	0	0	-
ELECTRICITY OFF PEAK	46	0	0	-	0	-	0	0	-
ELECTRICITY OFF PEAK	4P	0	0	-	0	-	0	0	-
ERCOT HOUSTON Z MCPE 5MW PEAK SWA	I1	0	20.95	-100.0%	0	-	0	15.6	-100.0%
ERCOT NORTH ZMCPE 5MW OFFPEAK	I8	0	0	-	0	-	0	0	-
ERCOT NORTH ZMCPE 5MW OFFPEAK SWA	I6	0	0	-	0	-	0	156.8	-100.0%
ERCOT NORTH ZMCPE 5MW PEAK	I5	0	20.95	-100.0%	0	-	0	40.4	-100.0%
ETHANOL	MTH	0	0	-	0	-	0	0	-
ETHANOL	Z1B	0	0	-	0	-	0	0	-
ETHANOL SWAP	MT2	0	4.29	-100.0%	7.05	-100.0%	4	1.04	303.2%
ETHANOL T2 FOB ROTT INCL DUTY SWAP	Z1	110	123.19	-10.4%	128.59	-14.2%	174	146.17	19.2%
EURO 1% FUEL OIL NEW BALM	KX	0	0.14	-100.0%	0.14	-100.0%	0	0.18	-86.8%
EURO 3.5% FUEL OIL RDAM B	KR	0	33.05	-99.1%	1.82	-83.5%	2	32.07	-94.5%
EURO 3.5% FUEL OIL SPREAD	FK	1	6.19	-87.9%	1.59	-52.9%	1	5.54	-80.3%
EURO-DENOMINATED PETRO PROD	NCP	0	0	-	0	-	0	0	-
EURO GASOIL 10PPM VS ICE	ET	0	0.24	-100.0%	0	-	0	2.96	-100.0%
EUROPE 1% FUEL OIL NWE CA	UF	0	0	-	15.5	-98.1%	4	2.54	42.6%
EUROPE 1% FUEL OIL RDAM C	UH	0	0	-	0	-	0	0.02	-100.0%
EUROPE 3.5% FUEL OIL MED	UI	0	0	-	2.82	-91.1%	3	5.37	-47.0%

## NYMEX/COMEX Exchange ADV Report - Monthly

June 2019

Page 6 of 19

Commodity		ADV JUN 2019	ADV JUN 2018	% CHG	ADV MAY 2019	% CHG	ADV Y.T.D 2019	ADV Y.T.D 2018	% CHG
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EUROPE 3.5% FUEL OIL RDAM	UV	30	449.33	-93.3%	34.5	-12.5%	56	453.1	-87.7%
EUROPEAN GASOIL (ICE)	7F	8	26.24	-70.3%	2.18	257.5%	5	23.99	-78.8%
EUROPEAN NAPHTHA BALMO	KZ	8	13.76	-42.2%	5	59.0%	9	12.82	-27.4%
EUROPEAN NAPHTHA CRACK SPR	EN	215	447.48	-52.0%	176.64	21.7%	243	445.32	-45.5%
EUROPE DATED BRENT SWAP	UB	29	0	-	11.82	143.3%	13	0	-
EUROPE JET KERO NWE CALSW	UJ	0	0	-	0	-	0	0.12	-66.4%
EUROPE NAPHTHA CALSWAP	UN	62	155.57	-60.0%	97.05	-35.8%	106	155.59	-31.6%
EURO PROPANE CIF ARA SWA	PS	96	66	45.5%	76.68	25.3%	98	90.62	8.0%
FREIGHT MARKETS	FLP	6	2	175.0%	8.5	-35.3%	6	4.86	29.7%
FREIGHT MARKETS	FRC	15	0.24	5989.9%	6.82	112.7%	7	4.32	66.1%
FREIGHT MARKETS	FRS	4	0	-	0	-	1	0	-
FREIGHT MARKETS	T2D	38	13.33	186.9%	26.36	45.1%	29	12.86	122.9%
FREIGHT MARKETS	TC6	0	0	-	0	-	0	1.92	-100.0%
FREIGHT MARKETS	TD3	0	0	-	0	-	1	0	-
FREIGHT MARKETS	TD8	0	0	-	0	-	0	0	-
FUEL OIL CRACK VS ICE	FO	55	210.05	-73.8%	135.18	-59.3%	80	225.08	-64.3%
FUEL OIL NWE CRACK VS ICE	FI	0	0	-	0	-	0	1.37	-91.2%
FUEL OIL (PLATS) CAR CM	1W	0	0	-	0	-	0	1.23	-96.1%
FUEL OIL (PLATS) CAR CN	1X	0	0	-	0	-	0	0.58	-100.0%
FUELOIL SWAP:CARGOES VS.B	FS	9	4.24	117.1%	17.36	-47.0%	11	12.08	-7.9%
GAS EURO-BOB OXY NWE BARGES	7H	221	414.67	-46.6%	214.55	3.2%	322	387.67	-16.9%
GAS EURO-BOB OXY NWE BARGES CRK	7K	368	769.24	-52.2%	398.14	-7.6%	466	1,011.39	-53.9%
GASOIL 0.1CIF MED VS ICE	Z5	0	0	-	0	-	0	0.08	-100.0%
GASOIL 0.1 CIF NWE VS ISE	TU	0	0	-	0.23	-100.0%	0	0	-
GASOIL 0.1 RDAM BRGS VS I	WQ	0	0	-	0	-	0	0.04	323.5%
GASOIL 0.1 ROTTERDAM BARG	VL	0	8.81	-100.0%	1.36	-100.0%	1	9.28	-91.0%
GASOIL 10PPM VS ICE SWAP	TP	0	0	-	0.68	-100.0%	0	0.1	227.6%
GASOIL CALENDAR SWAP	GX	1	0.57	5.0%	0.55	10.0%	1	0.38	63.8%
GASOIL CRACK SPREAD CALEN	GZ	164	144.67	13.1%	13.64	1099.7%	33	249.57	-87.0%
GASOIL MINI CALENDAR SWAP	QA	13	10.43	27.5%	7.5	77.3%	10	7.09	44.6%
GERMAN POWER BASELOAD CAL MONTH F	DEB	43	0	-	135.73	-68.1%	99	16.61	496.9%
GROUP THREE ULSD (PLATTS)	A7	0	1.43	-100.0%	0	-	0	1.48	-100.0%
GROUP THREE UNLEAD GAS (P	A9	0	0	-	0	-	0	3.4	-100.0%
GRP THREE ULSD(PLT)VS HEA	A6	145	173.29	-16.3%	322.32	-55.0%	164	182.22	-10.0%
GRP THREE UNL GS (PLT) VS	A8	55	46.19	19.1%	112.23	-51.0%	145	93.06	56.1%
GULF COAST 3% FUEL OIL BA	VZ	19	46.14	-57.8%	17.5	11.1%	33	69.11	-51.8%

## NYMEX/COMEX Exchange ADV Report - Monthly

June 2019

Page 7 of 19

Commodity		ADV JUN 2019	ADV JUN 2018	% CHG	ADV MAY 2019	% CHG	ADV Y.T.D 2019	ADV Y.T.D 2018	% CHG
<b>Energy Futures</b>									
GULF COAST JET FUEL CLNDR	GE	0	8.29	-100.0%	0	-	2	6.84	-68.5%
GULF COAST JET VS NYM 2 H	ME	1,201	1,312.76	-8.5%	1,465.59	-18.1%	1,065	1,952.32	-45.5%
GULF COAST NO.6 FUEL OIL	MF	946	2,984.9	-68.3%	1,086.5	-12.9%	1,187	3,026.69	-60.8%
GULF COAST NO.6 FUEL OIL	MG	15	119.29	-87.2%	0	-	11	108.06	-90.1%
GULF COAST ULSD CALENDAR	LY	38	34.24	9.8%	24.36	54.3%	21	13.7	51.0%
GULF COAST ULSD CRACK SPR	GY	0	0	-	0	-	0	10.36	-100.0%
HEATING OIL BALMO CLNDR S	1G	24	7.95	201.8%	0	-	4	1.78	137.3%
HEATING OIL CRCK SPRD BAL	1H	0	0	-	0.82	-100.0%	0	0	-
HEATING OIL PHY	HOL	0	0	-	0	-	0	0	-
HENRY HUB BASIS SWAP	HB	93	59.05	57.5%	218.18	-57.4%	91	59.46	52.6%
HENRY HUB FINANCIAL LAST	NBP	0	209.71	-100.0%	0	-	0	112.57	-100.0%
HENRY HUB FINANCIAL LAST	TTE	0	0.86	-100.0%	0	-	0	5.66	-100.0%
HENRY HUB INDEX SWAP FUTU	IN	93	59.05	57.5%	218.18	-57.4%	91	59.46	52.6%
HENRY HUB SWAP	NN	4,868	7,152.52	-31.9%	5,036.09	-3.3%	5,681	8,076.91	-29.7%
HOUSTON SHIP CHANNEL BASI	NH	0	0	-	0	-	6	0	-
ICE BRENT DUBAI SWAP	DB	444	252.86	75.6%	295.82	50.1%	281	509.18	-44.8%
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	5.95	97.4%	16.82	-30.1%	18	4.28	316.4%
ISO NEW ENGLAND OFF-PEAK	KI	0	0	-	0	-	0	0	-
ISO NEW ENGLAND PK LMP	NI	0	0	-	0	-	0	0	-
JAPAN C&F NAPHTHA CRACK S	JB	0	0	-	0	-	1	13.51	-89.9%
JAPAN C&F NAPHTHA SWAP	JA	38	110.86	-65.8%	51.23	-25.9%	63	103.65	-38.9%
JAPAN NAPHTHA BALMO SWAP	E6	0	1.1	-86.3%	0	-	2	1.73	30.2%
JET AV FUEL (P) CAR FM ICE GAS SWAP	1V	0	0	-	0	-	0	0.04	-100.0%
JET CIF NWE VS ICE	JC	0	0	-	0	-	1	3.94	-85.7%
JET FUEL UP-DOWN BALMO CL	1M	253	226.81	11.6%	311.59	-18.7%	213	310.7	-31.5%
JKM LNG Futures	JKM	12	46.43	-74.2%	130.91	-90.8%	74	39.56	87.9%
LA CARB DIESEL (OPIS) SWA	KL	2	14.29	-89.5%	0.45	230.0%	3	14	-81.3%
LA CARBOB GASOLINE(OPIS)S	JL	15	0	-	14.77	1.5%	19	31.4	-40.9%
LA JET (OPIS) SWAP	JS	76	155.24	-51.4%	39.77	89.8%	64	121.12	-47.5%
LLS (ARGUS) CALENDAR SWAP	XA	0	0	-	0	-	0	0	-
LLS (ARGUS) VS WTI SWAP	WJ	38	256.9	-85.2%	37.73	0.7%	125	335.12	-62.8%

## NYMEX/COMEX Exchange ADV Report - Monthly

June 2019

Page 8 of 19

Commodity		ADV JUN 2019	ADV JUN 2018	% CHG	ADV MAY 2019	% CHG	ADV Y.T.D 2019	ADV Y.T.D 2018	% CHG
<b>Energy Futures</b>									
LOS ANGELES CARB GASOLINE	MH	0	0	-	0	-	0	0	-
MARS (ARGUS) VS WTI SWAP	YX	81	71.67	12.7%	81.82	-1.3%	92	148.4	-38.2%
MARS (ARGUS) VS WTI TRD M	YV	938	1,107.57	-15.3%	659.09	42.3%	963	1,323.76	-27.3%
MARS BLEND CRUDE OIL	MB	0	0	-	0	-	0	16.95	-100.0%
MCCLOSKEY ARA ARGS COAL	MTF	1,784	1,157.9	54.1%	1,296.41	37.6%	1,414	1,221.66	15.8%
MCCLOSKEY RCH BAY COAL	MFF	134	163.33	-18.0%	68.32	96.0%	121	166.91	-27.8%
MGF FUT	MGF	0	0	-	0	-	0	1.04	-100.0%
MGN1 SWAP FUT	MGN	6	1.9	215.0%	2.73	120.0%	3	4.02	-29.9%
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	11	20.52	-45.7%	13.82	-19.3%	10	17.07	-41.9%
MINI RBOB V. EBOBARG NWE BRGS BALMO	MXR	28	21.24	31.8%	7.73	262.4%	28	14.47	95.0%
MINI RBOB V. EBOB(ARGUS) NWE BRGS	MXB	119	96.67	23.2%	184.86	-35.6%	120	78.76	52.0%
MJC FUT	MJC	0	5	-100.0%	1.82	-100.0%	1	9.56	-87.3%
MNC FUT	MNC	195	171.52	13.8%	188.05	3.8%	205	179.4	14.2%
MONT BELVIEU ETHANE 5 DECIMAL	C0	924	730.57	26.4%	459.45	101.0%	680	751.82	-9.5%
MONT BELVIEU ETHANE OPIS BALMO	8C	11	3.81	195.3%	4.32	160.5%	9	6.88	24.7%
MONT BELVIEU LDH PROPANE 5 DECIMAL	B0	7,534	4,443.86	69.5%	6,316.68	19.3%	6,856	6,065.85	13.0%
MONT BELVIEU LDH PROPANE OPIS BALM	8O	176	97.76	80.0%	181.73	-3.2%	165	145.23	13.4%
MONT BELVIEU NATURAL GASOLINE 5 DEC	7Q	340	344.38	-1.2%	374.73	-9.2%	385	434.2	-11.4%
MONT BELVIEU NATURAL GASOLINE BALM	R0	47	23.81	96.4%	18.41	154.0%	31	21.03	48.0%
MONT BELVIEU NORMAL BUTANE 5 DECIM	D0	2,767	1,544.05	79.2%	2,623.68	5.5%	2,120	1,490.14	42.2%
MONT BELVIEU NORMAL BUTANE BALMO	8J	26	33.9	-24.2%	83.59	-69.3%	66	41.7	57.3%
NAT GAS BASIS SWAP	TZ6	0	0	-	0	-	0	0	-
NATURAL GAS	XIC	0	0	-	0	-	0	0	-
NATURAL GAS PEN SWP	NP	1,685	701.76	140.1%	1,681.5	0.2%	1,464	1,826.77	-19.8%
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	444.95	-100.0%	0	-	134	636.16	-79.0%
NEPOOL INTR HUB 5MW D AH	U6	0	24.48	-100.0%	0	-	0	35.01	-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	-



## NYMEX/COMEX Exchange ADV Report - Monthly

June 2019

Page 9 of 19

Commodity		ADV JUN 2019	ADV JUN 2018	% CHG	ADV MAY 2019	% CHG	ADV Y.T.D 2019	ADV Y.T.D 2018	% CHG
<b>Energy Futures</b>									
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	24.05	123.9%	38.86	38.6%	36	73.49	-50.4%
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	-	10	3.2	212.5%
NGPL TEX/OK	PD	0	0	-	0	-	21	182.69	-88.6%
N ILLINOIS HUB DAILY	UD	0	0	-	0	-	0	0	-
N ILLINOIS HUB MTHLY	UM	0	0	-	0	-	0	0	-
NO 2 UP-DOWN SPREAD CALEN	UT	0	6.9	-100.0%	4.55	-100.0%	5	16.5	-67.0%
NORTHERN NATURAL GAS DEMAR	PE	0	0	-	0	-	0	0	-
NORTHERN NATURAL GAS VENTU	PF	0	0	-	0	-	0	0.8	-100.0%
NORTHWEST ROCKIES BASIS S	NR	0	0	-	0	-	25	0	-
N ROCKIES PIPE SWAP	XR	0	0	-	0	-	0	0	-
NY1% VS GC SPREAD SWAP	VR	9	145.9	-93.8%	32.27	-72.1%	21	85.12	-74.8%
NY 3.0% FUEL OIL (PLATTS	H1	0	0	-	11.36	-100.0%	6	8	-21.9%
NY HARBOR 1% FUEL OIL BAL	VK	0	0	-	0	-	0	0	-
NY HARBOR HEAT OIL SWP	MP	118	40.95	187.8%	293	-59.8%	121	67.33	79.4%
NY HARBOR LOW SULPUR GAS 1000MBBL	NLS	0	2.14	-100.0%	0	-	3	21.56	-85.4%
NY HARBOR RESIDUAL FUEL 1	MM	21	50.71	-57.9%	27.14	-21.3%	40	58.3	-31.1%
NY HARBOR RESIDUAL FUEL C	ML	0	0	-	0	-	0	0	-
NYH NO 2 CRACK SPREAD CAL	HK	32	29.29	7.6%	11.82	166.5%	18	55.58	-67.6%
NYISO CAPACITY	LHV	0	0.19	-100.0%	0	-	2	1.34	44.0%
NYISO CAPACITY	NNC	0	0	-	0	-	0	3.26	-100.0%
NYISO CAPACITY	NRS	0	0	-	0	-	0	1.58	-69.3%
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	1,295.24	-100.0%	1,486.55	-100.0%	374	4,628.27	-91.9%
NYISO ZONE G 5MW D AH PK	T3	0	71.9	-100.0%	81.77	-100.0%	15	146.27	-90.1%
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	-	12	0	-
NY ULSD (ARGUS) VS HEATING OIL	7Y	9	0	-	3.36	163.1%	11	1.07	966.7%

## NYMEX/COMEX Exchange ADV Report - Monthly

June 2019

Page 10 of 19

Commodity		ADV JUN 2019	ADV JUN 2018	% CHG	ADV MAY 2019	% CHG	ADV Y.T.D 2019	ADV Y.T.D 2018	% CHG
<b>Energy Futures</b>									
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	0.08	-100.0%
ONTARIO POWER SWAPS	OPM	0	0	-	4.55	-100.0%	1	0	-
PANHANDLE BASIS SWAP FUTU	PH	0	0	-	0	-	0	2.2	-100.0%
PANHANDLE PIPE SWAP	XH	0	0	-	0	-	0	0	-
PERMIAN BASIS SWAP	PM	0	0	-	0	-	0	0	-
PETROCHEMICALS	22	5	3.76	34.2%	8.14	-37.9%	8	7.52	5.8%
PETROCHEMICALS	32	6	3.71	60.2%	3.18	87.0%	5	8.89	-40.2%
PETROCHEMICALS	3NA	1	0	-	0	-	0	0	-
PETROCHEMICALS	51	0	0	-	0.55	-100.0%	0	0.18	-25.5%
PETROCHEMICALS	8I	36	6.81	432.3%	10.86	233.7%	30	40.3	-26.4%
PETROCHEMICALS	91	19	8.67	114.6%	26.36	-29.4%	23	21.78	5.1%
PETROCHEMICALS	MAA	8	0	-	0.91	725.0%	2	0.4	404.0%
PETROCHEMICALS	MAE	23	4.76	378.8%	13.18	73.0%	13	8.64	46.5%
PETROCHEMICALS	MAS	16	5.52	192.4%	14.23	13.5%	10	5.21	87.5%
PETROCHEMICALS	MBE	15	44.29	-66.1%	35	-57.1%	18	41.84	-57.9%
PETROCHEMICALS	MNB	14	111.67	-87.1%	32.68	-56.1%	42	110.61	-62.2%
PETROCHEMICALS	MPS	35	10.48	232.2%	7	397.1%	12	5.44	118.7%
PETRO CRCKS & SPRDS ASIA	JNC	0	0	-	0	-	0	0	-
PETRO CRCKS & SPRDS ASIA	STI	3	0	-	0	-	0	0	-
PETRO CRCKS & SPRDS ASIA	STR	0	0	-	0	-	0	0.8	-100.0%
PETRO CRCKS & SPRDS ASIA	STS	1	4.29	-70.8%	2.55	-50.9%	2	3.99	-57.4%
PETRO CRCKS & SPRDS NA	CRB	206	263.1	-21.6%	298.86	-31.0%	319	57.04	458.7%
PETRO CRCKS & SPRDS NA	EXR	119	167.1	-28.6%	116.05	2.8%	146	147.86	-1.0%
PETRO CRCKS & SPRDS NA	FOC	8	40.48	-81.5%	43.18	-82.6%	20	43	-52.7%
PETRO CRCKS & SPRDS NA	GBB	22	64.05	-65.0%	15.91	40.8%	31	57.32	-46.3%
PETRO CRCKS & SPRDS NA	GCC	0	14.29	-100.0%	0	-	0	12.72	-100.0%
PETRO CRCKS & SPRDS NA	GCI	104	67.52	54.1%	55.68	86.9%	74	70.72	5.1%
PETRO CRCKS & SPRDS NA	GCM	0	0	-	0	-	0	1.14	-100.0%
PETRO CRCKS & SPRDS NA	GCU	89	892.52	-90.1%	124.05	-28.5%	154	683.73	-77.5%
PETRO CRCKS & SPRDS NA	GFC	0	0	-	0	-	1	0.2	303.3%
PETRO CRCKS & SPRDS NA	HOB	179	33.57	433.5%	23.18	672.6%	69	55.05	25.0%
PETRO CRCKS & SPRDS NA	MFR	0	0	-	0	-	0	0	-
PETRO CRCKS & SPRDS NA	NFG	0	0	-	0	-	0	0.4	-100.0%
PETRO CRCKS & SPRDS NA	NYF	0	0	-	0	-	0	0	-

## NYMEX/COMEX Exchange ADV Report - Monthly

June 2019

Page 11 of 19

Commodity		ADV JUN 2019	ADV JUN 2018	% CHG	ADV MAY 2019	% CHG	ADV Y.T.D 2019	ADV Y.T.D 2018	% CHG
<b>Energy Futures</b>									
PETRO CRCKS & SPRDS NA	RBB	360	309.43	16.4%	356.27	1.1%	446	278.42	60.4%
PETRO CRCKS & SPRDS NA	RVG	720	922.86	-22.0%	629.55	14.4%	728	894.72	-18.6%
PETRO CRCKS & SPRDS NA	SF3	4	1	250.0%	1.91	83.3%	5	2.3	107.6%
PETRO CRK&SPRD EURO	1NB	19	66.9	-72.0%	34.32	-45.4%	70	90.91	-22.9%
PETRO CRK&SPRD EURO	1ND	0	0	-	0	-	0	0.8	-100.0%
PETRO CRK&SPRD EURO	43	1	16.86	-92.0%	2.27	-40.6%	1	18.66	-93.4%
PETRO CRK&SPRD EURO	BFR	0	0	-	0	-	0	0	-
PETRO CRK&SPRD EURO	BOB	21	83.76	-75.2%	18.5	12.4%	24	96.82	-75.0%
PETRO CRK&SPRD EURO	EOB	0	0.24	-100.0%	0	-	0	1.43	-91.6%
PETRO CRK&SPRD EURO	EPN	27	36.48	-25.6%	23	18.0%	29	47.74	-40.2%
PETRO CRK&SPRD EURO	EVC	8	130.48	-94.3%	12.27	-38.9%	19	113.7	-83.4%
PETRO CRK&SPRD EURO	FBT	0	0	-	0	-	0	0	-
PETRO CRK&SPRD EURO	FVB	0	0	-	0	-	0	0.24	-100.0%
PETRO CRK&SPRD EURO	GCB	0	7.14	-100.0%	0	-	2	5.44	-58.2%
PETRO CRK&SPRD EURO	GOC	0	0	-	0	-	0	0.67	-100.0%
PETRO CRK&SPRD EURO	MGB	0	0	-	1.36	-100.0%	1	0.64	51.2%
PETRO CRK&SPRD EURO	MUD	3	1.43	110.0%	0	-	1	1.3	-56.7%
PETRO CRK&SPRD EURO	NBB	0	0.95	-100.0%	0	-	0	0.98	-52.1%
PETRO CRK&SPRD EURO	NOB	12	56.43	-78.4%	12.82	-4.8%	24	80.46	-70.7%
PETRO CRK&SPRD EURO	SFB	0	3.81	-100.0%	0	-	0	0.88	-53.3%
PETROLEUM PRODUCTS	1NM	5	0	-	10.91	-54.2%	4	0	-
PETROLEUM PRODUCTS	EWG	100	127.67	-21.9%	145.45	-31.5%	148	218.93	-32.4%
PETROLEUM PRODUCTS	JCC	0	0	-	0.91	-100.0%	0	0	-
PETROLEUM PRODUCTS	MME	0	0	-	0	-	0	0.24	-100.0%
PETROLEUM PRODUCTS	MPE	0	0	-	0	-	0	0	-
PETROLEUM PRODUCTS	VU	0	3.57	-100.0%	2.27	-100.0%	1	7.42	-79.9%
PETROLEUM PRODUCTS ASIA	E6M	1	0.95	-5.5%	0	-	1	3.31	-83.4%
PETROLEUM PRODUCTS ASIA	MJN	77	63.57	20.3%	87.5	-12.6%	81	100.65	-19.8%
PETRO OUTRIGHT EURO	OB	3	0.67	350.0%	3.55	-15.4%	1	0.51	148.9%
PETRO OUTRIGHT EURO	OC	0	0	-	0	-	0	0	-
PETRO OUTRIGHT EURO	OD	73	88.71	-17.5%	96.95	-24.5%	69	68.46	1.1%
PETRO OUTRIGHT EURO	OE	0	0.76	-67.2%	0	-	0	1.32	-65.8%
PETRO OUTRIGHT EURO	OF	11	27.29	-58.4%	19.95	-43.1%	19	29.89	-36.8%
PETRO OUTRIGHT EURO	1T	0	0	-	0	-	0	0.12	-66.4%
PETRO OUTRIGHT EURO	33	0	0	-	0	-	0	0	-
PETRO OUTRIGHT EURO	5L	1	3.33	-85.0%	2.73	-81.7%	2	1.63	0.3%

## NYMEX/COMEX Exchange ADV Report - Monthly

June 2019

Page 12 of 19

Commodity		ADV JUN 2019	ADV JUN 2018	% CHG	ADV MAY 2019	% CHG	ADV Y.T.D 2019	ADV Y.T.D 2018	% CHG
<b>Energy Futures</b>									
PETRO OUTRIGHT EURO	63	1	1.67	-70.0%	0.23	120.0%	0	1.14	-89.3%
PETRO OUTRIGHT EURO	7I	4	0	-	5.68	-34.0%	5	3.7	29.6%
PETRO OUTRIGHT EURO	7R	3	14.1	-81.9%	4.5	-43.3%	9	15.25	-42.8%
PETRO OUTRIGHT EURO	88	0	0.48	-100.0%	0	-	0	0.84	-100.0%
PETRO OUTRIGHT EURO	CBB	0	0	-	0	-	0	0.44	-100.0%
PETRO OUTRIGHT EURO	CGB	0	0	-	0	-	0	0	-
PETRO OUTRIGHT EURO	CPB	14	0.76	1790.0%	2.73	428.0%	13	23.99	-44.9%
PETRO OUTRIGHT EURO	EFF	0	0	-	0	-	1	0.81	15.8%
PETRO OUTRIGHT EURO	EFM	0	0	-	0.14	119.9%	0	0	-
PETRO OUTRIGHT EURO	ENS	2	0	-	1.82	-1.0%	1	0.52	103.2%
PETRO OUTRIGHT EURO	EWN	19	35.29	-46.2%	16.77	13.3%	29	33.46	-12.8%
PETRO OUTRIGHT EURO	FLB	0	0	-	0	-	0	0	-
PETRO OUTRIGHT EURO	GES	0	0	-	0	-	0	0	-
PETRO OUTRIGHT EURO	H5G	0	0	-	2.73	-100.0%	0	0	-
PETRO OUTRIGHT EURO	MBB	0	0	-	0	-	0	1.29	-100.0%
PETRO OUTRIGHT EURO	MBN	11	53.71	-79.9%	25.91	-58.3%	17	61.75	-73.1%
PETRO OUTRIGHT EURO	MEF	18	0	-	18	-2.2%	18	0	-
PETRO OUTRIGHT EURO	R53	1	0	-	0.55	120.0%	0	0	-
PETRO OUTRIGHT EURO	R5M	9	0	-	11.64	-21.4%	4	0	-
PETRO OUTRIGHT EURO	R5O	1	0	-	0.27	83.4%	1	0	-
PETRO OUTRIGHT EURO	S5M	3	0	-	0	-	1	0	-
PETRO OUTRIGHT EURO	SMU	0	0	-	0	-	1	2.62	-61.6%
PETRO OUTRIGHT EURO	T0	0	0	-	0	-	0	0.07	-100.0%
PETRO OUTRIGHT EURO	T2B	0	0	-	0	-	0	0	-
PETRO OUTRIGHT EURO	V0	0	0	-	0	-	0	7.84	-100.0%
PETRO OUTRIGHT EURO	X0	0	0	-	0	-	0	0	-
PETRO OUTRIGHT NA	FCB	2	0	-	1.45	10.0%	2	4.02	-60.7%
PETRO OUTRIGHT NA	FOM	0	0	-	0	-	0	0	-
PETRO OUTRIGHT NA	JE	3	0	-	0	-	0	0.55	-12.3%
PETRO OUTRIGHT NA	JET	144	83.33	72.8%	190.91	-24.6%	126	105.84	19.3%
PETRO OUTRIGHT NA	JTB	6	29.76	-79.0%	69.32	-91.0%	35	24.68	41.3%
PETRO OUTRIGHT NA	MBL	0	0	-	0	-	0	0.32	-100.0%
PETRO OUTRIGHT NA	MEN	12	43.9	-73.1%	7.05	67.5%	10	19.33	-47.9%
PETRO OUTRIGHT NA	MEO	109	181.9	-40.2%	101.55	7.1%	126	191.54	-34.0%
PETRO OUTRIGHT NA	MFD	14	0	-	0	-	2	0.8	187.3%
PETRO OUTRIGHT NA	MMF	4	0	-	7.41	-43.3%	5	0.44	1012.5%

## NYMEX/COMEX Exchange ADV Report - Monthly

June 2019

Page 13 of 19

Commodity		ADV JUN 2019	ADV JUN 2018	% CHG	ADV MAY 2019	% CHG	ADV Y.T.D 2019	ADV Y.T.D 2018	% CHG
<b>Energy Futures</b>									
PETRO OUTRIGHT NA	XER	0	0	-	0	-	0	0	-
PJM AD HUB 5MW REAL TIME	V3	1,185	0	-	1,061.82	11.6%	945	224.26	321.4%
PJM AD HUB 5MW REAL TIME	Z9	0	0	-	58.41	-100.0%	21	60.1	-65.7%
PJM ATSI ELEC	MOD	0	0	-	0	-	0	0	-
PJM ATSI ELEC	MPD	0	0	-	0	-	0	0	-
PJM BGE DA OFF-PEAK	R3	0	0	-	0	-	0	0	-
PJM BGE DA PEAK	E3	0	0	-	0	-	0	0	-
PJM COMED 5MW D AH O PK	D9	0	0	-	0	-	0	0	-
PJM COMED 5MW D AH PK	D8	0	0	-	0	-	0	0	-
PJM DAILY	JD	0	0	-	0	-	0	0	-
PJM DAYTON DA OFF-PEAK	R7	0	0	-	0	-	0	0	-
PJM DAYTON DA PEAK	D7	0	0	-	0	-	0	0	-
PJM NI HUB 5MW REAL TIME	B3	0	0	-	58.41	-100.0%	10	40.8	-74.6%
PJM NI HUB 5MW REAL TIME	B6	0	0	-	1,061.82	-100.0%	188	0	-
PJM NILL DA OFF-PEAK	L3	0	0	-	0	-	0	0	-
PJM NILL DA PEAK	N3	0	0	-	0	-	0	0.18	-100.0%
PJM OFF-PEAK LMP SWAP FUT	JP	0	0	-	0	-	0	0	-
PJM PECO ZONE5MW PEAK CAL MO DAY A	4N	0	0	-	0	-	0	0	-
PJM PSEG DA OFF-PEAK	W6	0	0	-	0	-	0	0	-
PJM PSEG DA PEAK	L6	0	0	-	0	-	0	0	-
PJM WESTH DA OFF-PEAK	E4	0	0	-	0	-	0	627.28	-100.0%
PJM WESTHDA PEAK	J4	0	0	-	0	-	0	34	-100.0%
PJM WESTH RT OFF-PEAK	N9	1,185	1,104.76	7.3%	0	-	380	2,352	-83.9%
PJM WESTH RT PEAK	L1	333	151.43	119.8%	906.41	-63.3%	376	314.79	19.3%
PLASTICS	PGP	22	24.86	-12.5%	34.55	-37.0%	37	19.63	87.3%
PREMIUM UNLD 10P FOB MED	3G	2	4.52	-66.8%	2.27	-34.0%	6	12.26	-51.3%
PREMIUM UNLEAD 10PPM FOB	8G	0	3.57	-100.0%	0	-	0	2.59	-94.4%
PREM UNL GAS 10PPM RDAM FOB BALMO	7N	0	0	-	0	-	0	0.64	-74.8%
PREM UNL GAS 10PPM RDAM FOB SWAP	7L	0	0	-	0	-	0	0.51	-52.8%
PROPANE NON-LDH MB (OPIS) BALMO SWP	1S	74	25	196.4%	3.41	2073.6%	78	25.45	208.4%
PROPANE NON-LDH MT. BEL (OPIS) SWP	1R	812	551.86	47.1%	723.55	12.2%	844	580.26	45.5%
RBOB CALENDAR SWAP	RL	284	362.43	-21.8%	450.05	-37.0%	323	238.89	35.3%
RBOB CRACK SPREAD	RM	76	48.33	57.2%	95.45	-20.4%	66	65.54	0.5%
RBOB CRACK SPREAD BALMO S	1E	0	0	-	1.14	-100.0%	0	0	-
RBOB GASOLINE BALMO CLNDR	1D	56	47.86	16.7%	36.59	52.6%	50	62.34	-19.5%
RBOB PHY	RBL	0	0	-	0	-	0	0	-

## NYMEX/COMEX Exchange ADV Report - Monthly

June 2019

Page 14 of 19

Commodity		ADV JUN 2019	ADV JUN 2018	% CHG	ADV MAY 2019	% CHG	ADV Y.T.D 2019	ADV Y.T.D 2018	% CHG
<b>Energy Futures</b>									
RBOB SPREAD (PLATTS) SWAP	RI	0	0	-	0	-	0	0	-
RBOB VS HEATING OIL SWAP	RH	0	39.29	-100.0%	0	-	1	15.8	-96.2%
SAN JUAN BASIS SWAP	NJ	0	0	-	0	-	0	0.25	-100.0%
SAN JUAN PIPE SWAP	XX	0	0	-	0	-	0	2.88	-100.0%
SINGAPORE 180CST BALMO	BS	0	1.9	-86.9%	0.45	-45.0%	1	2.68	-76.5%
SINGAPORE 380CST BALMO	BT	1	10.24	-87.3%	1.18	10.0%	2	9.62	-79.1%
SINGAPORE 380CST FUEL OIL	SE	165	640.62	-74.3%	164.55	0.1%	155	430.14	-63.9%
SINGAPORE FUEL 180CST CAL	UA	13	32.38	-60.9%	9.36	35.1%	14	46.74	-69.3%
SINGAPORE FUEL OIL SPREAD	SD	4	19.67	-77.9%	1.27	241.8%	3	42.49	-93.2%
SINGAPORE GASOIL	MAF	75	0	-	72.64	3.8%	83	0	-
SINGAPORE GASOIL	MTB	3	1	205.0%	2.36	29.0%	2	3.03	-19.1%
SINGAPORE GASOIL	MTS	189	214.62	-12.2%	157.68	19.5%	175	234.28	-25.2%
SINGAPORE GASOIL	STZ	0	0	-	0	-	0	34.4	-100.0%
SINGAPORE GASOIL CALENDAR	GDH	0	0	-	0	-	0	0.4	-100.0%
SINGAPORE GASOIL CALENDAR	GDL	0	0	-	0	-	0	2	-100.0%
SINGAPORE GASOIL CALENDAR	GHS	0	0	-	0	-	0	0	-
SINGAPORE GASOIL CALENDAR	MGO	0	0	-	0	-	0	1.6	-100.0%
SINGAPORE GASOIL CALENDAR	MSG	5	4.76	10.3%	7.91	-33.6%	8	33.59	-76.8%
SINGAPORE GASOIL CALENDAR	SGG	0	0	-	0	-	0	2.6	-100.0%
SINGAPORE GASOIL SWAP	SG	55	200.95	-72.4%	25.36	118.6%	53	213.62	-75.1%
SINGAPORE GASOIL VS ICE	GA	0	301.19	-100.0%	0	-	35	744.48	-95.3%
SINGAPORE JET KERO BALMO	BX	0	2.38	-100.0%	0	-	0	1.72	-100.0%
SINGAPORE JET KERO GASOIL	RK	0	110.71	-100.0%	0	-	1	198.76	-99.6%
SINGAPORE JET KEROSENE SW	KS	44	75.95	-42.1%	18.18	142.0%	31	55.92	-44.3%
SINGAPORE JET KERO VS. GASOIL BALMO	Z0	0	0	-	0	-	0	0.2	-100.0%
SINGAPORE MOGAS 92 UNLEADED BALMO	1P	3	11.9	-79.0%	0	-	11	20.5	-44.0%
SINGAPORE MOGAS 92 UNLEADED SWP	1N	245	855.05	-71.4%	206	18.7%	611	721.92	-15.3%
SINGAPORE NAPHTHA SWAP	SP	0	0	-	0	-	0	1.6	-100.0%
SING FUEL	MSD	0	0.71	-100.0%	0	-	0	0.64	-100.0%
SOUTH STAR TEX OKLHM KNS	8Z	0	0	-	0	-	0	0	-
Sumas Basis Swap	NK	0	0	-	0	-	0	0.73	-100.0%
TC2 ROTTERDAM TO USAC 37K	TM	16	0	-	5.91	165.7%	11	4.38	162.0%
TC5 RAS TANURA TO YOKOHAM	TH	10	0	-	10.23	0.7%	16	1.92	719.5%
TCO BASIS SWAP	TC	0	0	-	0	-	0	0	-
TD3 MEG TO JAPAN 250K MT	TL	313	98.1	219.1%	317.05	-1.3%	228	39.76	472.4%
TENNESSEE ZONE 0 BASIS SW	NQ	0	0	-	0	-	0	0	-

## NYMEX/COMEX Exchange ADV Report - Monthly

June 2019

Page 15 of 19

Commodity		ADV JUN 2019	ADV JUN 2018	% CHG	ADV MAY 2019	% CHG	ADV Y.T.D 2019	ADV Y.T.D 2018	% CHG
<b>Energy Futures</b>									
Tetco STX Basis	TX	0	0	-	0	-	0	0	-
TEXAS EASTERN ZONE M-3 BA	NX	0	0	-	0	-	0	0	-
TEXAS GAS ZONE1 NG BASIS	9F	0	0	-	0	-	0	0	-
Transco Zone 3 Basis	CZ	0	0	-	0	-	0	0	-
TRANSCO ZONE4 BASIS SWAP	TR	0	0	-	0	-	0	0	-
TRANSCO ZONE 6 BASIS SWAP	NZ	0	0	-	0	-	0	0	-
UCM FUT	UCM	0	0	-	0	-	0	0.4	-59.7%
UK NBP NAT GAS CAL MTH FUT	UKG	0	439.95	-100.0%	0.91	-100.0%	25	264.27	-90.4%
ULSD 10PPM CIF MED VS ICE	Z7	0	0	-	0	-	0	0.11	-100.0%
ULSD UP-DOWN BALMO SWP	1L	230	209.76	9.6%	203.41	13.1%	262	251.56	4.3%
UP DOWN GC ULSD VS NMX HO	LT	1,608	1,171.14	37.3%	1,742.59	-7.7%	1,403	1,565.92	-10.4%
WAHA BASIS	NW	0	0	-	6.82	-100.0%	5	25.61	-79.5%
WESTERN RAIL DELIVERY PRB	QP	0	0	-	0	-	0	0.12	-100.0%
WTI-BRENT BULLET SWAP	BY	0	16.67	-100.0%	0	-	7	53.2	-86.9%
WTI-BRENT CALENDAR SWAP	BK	1,947	982.38	98.2%	1,855.55	5.0%	1,774	1,694.62	4.7%
WTI CALENDAR	CS	1,418	1,070.48	32.5%	1,834.91	-22.7%	2,103	1,640.05	28.2%
WTS (ARGUS) VS WTI SWAP	FF	205	380.81	-46.3%	626.32	-67.3%	249	386.06	-35.4%
WTS (ARGUS) VS WTI TRD MT	FH	9	28	-68.8%	35.45	-75.3%	40	15.6	155.0%
<b>Energy Options</b>									
BRENT 1 MONTH CAL	AA	0	0	-	0	-	0	24	-100.0%
BRENT CALENDAR SWAP	BA	35	131.67	-73.8%	95.45	-63.9%	24	34.44	-29.0%
BRENT CRUDE OIL 12 M CSO	9Y	0	0	-	0	-	0	16	-100.0%
BRENT CRUDE OIL 1 M CSO	9C	75	2,626.86	-97.1%	47.73	57.1%	263	2,972.3	-91.1%
BRENT CRUDE OIL 6 M CSO	9L	0	0	-	0	-	0	8	-100.0%
BRENT OIL LAST DAY	BE	1,426	1,572.33	-9.3%	3,159.09	-54.9%	2,200	1,400.5	57.1%
BRENT OIL LAST DAY	BZO	5,030	7,218.86	-30.3%	7,161.68	-29.8%	5,078	5,953.64	-14.7%
BRENT OIL LAST DAY	OS	0	2.38	-100.0%	0	-	0	8.72	-100.0%
COAL API2 INDEX	CLA	1	17.62	-92.9%	2.27	-45.0%	1	33.8	-96.2%
COAL API2 INDEX	CQA	0	41.67	-100.0%	0	-	4	23.04	-82.1%
COAL API4 INDEX	RLA	0	0	-	0	-	0	0.2	-100.0%
COAL API4 INDEX	RQA	0	0	-	0	-	0	0.48	-100.0%
COAL SWAP	CPF	0	0	-	0	-	0	0	-
COAL SWAP	RPF	0	0	-	0	-	0	0	-



## NYMEX/COMEX Exchange ADV Report - Monthly

June 2019

Page 16 of 19

Commodity		ADV JUN 2019	ADV JUN 2018	% CHG	ADV MAY 2019	% CHG	ADV Y.T.D 2019	ADV Y.T.D 2018	% CHG
<b>Energy Options</b>									
CRUDE OIL	6Y	0	0	-	0	-	1	0	-
CRUDE OIL 1MO	WA	4,588	14,876.19	-69.2%	13,781.82	-66.7%	11,302	10,896.88	3.7%
CRUDE OIL APO	AO	2,383	1,457.71	63.5%	1,262.91	88.7%	2,492	2,608.18	-4.4%
CRUDE OIL CALNDR STRIP	6F	0	0	-	0	-	2	1.36	18.6%
CRUDE OIL OUTRIGHTS	AH	0	0	-	0	-	0	0	-
CRUDE OIL OUTRIGHTS	WCI	0	0	-	0	-	8	0	-
CRUDE OIL PHY	CD	0	15.48	-100.0%	13.64	-100.0%	9	141	-93.4%
CRUDE OIL PHY	LC	574	107.62	433.5%	610.95	-6.0%	527	522.84	0.7%
CRUDE OIL PHY	LO	164,489	159,106.14	3.4%	164,601.55	-0.1%	131,401	177,555.39	-26.0%
CRUDE OIL PHY	LO1	595	355	67.6%	722	-17.6%	784	644.2	21.7%
CRUDE OIL PHY	LO2	453	614.9	-26.4%	642.18	-29.5%	765	734.86	4.1%
CRUDE OIL PHY	LO3	897	13.38	6604.7%	472.91	89.7%	447	456.61	-2.1%
CRUDE OIL PHY	LO4	988	670.24	47.3%	941.95	4.8%	822	756.59	8.7%
CRUDE OIL PHY	LO5	0	1,027.38	-100.0%	849.45	-100.0%	309	279.31	10.5%
ETHANOL	CE1	0	0	-	0	-	0	2.2	-100.0%
ETHANOL	CE3	0	0	-	0	-	0	1.2	-100.0%
ETHANOL SWAP	CVR	489	423	15.6%	527.64	-7.3%	424	408.28	3.9%
ETHANOL SWAP	GVR	0	14.29	-100.0%	0	-	6	16.58	-62.1%
HEATING OIL PHY	LB	13	5.71	131.0%	3.27	303.3%	8	5.92	37.9%
HEATING OIL PHY	OH	1,912	1,290.29	48.2%	1,847.36	3.5%	1,439	1,500.17	-4.1%
HENRY HUB FINANCIAL LAST	E7	135	138.67	-2.6%	420.55	-67.9%	338	166.17	103.5%
HO 1 MONTH CLNDR OPTIONS	FA	0	0	-	0	-	17	0	-
LLS CRUDE OIL	WJO	0	0	-	0	-	0	0.8	-100.0%
LLS CRUDE OIL	YVO	0	0	-	0	-	0	0	-
MCCLOSKEY ARA ARGS COAL	MTO	0	1.43	-100.0%	0	-	1	2.04	-48.6%
MCCLOSKEY RCH BAY COAL	MFO	15	0	-	4.55	230.0%	5	15	-64.0%
NATURAL GAS 1 M CSO FIN	G4	665	700.14	-5.0%	885.23	-24.9%	1,672	1,901.16	-12.1%
NATURAL GAS 2 M CSO FIN	G2	28	47.62	-42.2%	3.41	706.7%	19	8	139.4%
NATURAL GAS 3 M CSO FIN	G3	1,933	259.52	644.6%	686.36	181.6%	680	279.17	143.7%
NATURAL GAS 5 M CSO FIN	G5	43	0	-	11.36	274.0%	9	20.4	-56.5%
NATURAL GAS 6 M CSO FIN	G6	63	95.24	-34.4%	186.36	-66.5%	272	541.2	-49.7%
NATURAL GAS OPTION ON CALENDAR STR	6J	40	9.52	320.0%	27.27	46.7%	73	156.06	-53.0%
NATURAL GAS PHY	KD	217	1,126.67	-80.7%	49.45	338.8%	110	1,110.65	-90.1%
NATURAL GAS PHY	LN	75,123	52,425.67	43.3%	59,565.27	26.1%	68,483	87,682.64	-21.9%
NATURAL GAS PHY	ON	6,213	7,886.38	-21.2%	4,412.86	40.8%	5,989	8,566.65	-30.1%
NATURAL GAS WINTER STRIP	6I	0	0	-	59.09	-100.0%	10	0	-



## NYMEX/COMEX Exchange ADV Report - Monthly

June 2019

Page 17 of 19

Commodity		ADV JUN 2019	ADV JUN 2018	% CHG	ADV MAY 2019	% CHG	ADV Y.T.D 2019	ADV Y.T.D 2018	% CHG
<b>Energy Options</b>									
N ROCKIES PIPE SWAP	ZR	27	10.67	155.9%	24.82	10.0%	17	7.68	122.4%
NY HARBOR HEAT OIL SWP	AT	173	73.76	134.3%	304.14	-43.2%	121	137.5	-11.9%
NYISO ZONE G 5MW PEAK OPTIONS	9U	0	0	-	0	-	0	0	-
PANHANDLE PIPE SWAP	PU	0	0	-	0	-	0	0	-
PETROCHEMICALS	4H	136	15.48	775.9%	0.91	14810.4%	37	25.33	45.7%
PETROCHEMICALS	4J	0	0	-	9.09	-100.0%	2	10.8	-85.1%
PETROCHEMICALS	4K	0	9.52	-100.0%	0	-	1	1.6	-19.4%
PETROCHEMICALS	CPR	0	0	-	1.82	-100.0%	0	0	-
PETRO OUTRIGHT EURO	8H	0	0	-	0	-	0	0	-
PETRO OUTRIGHT EURO	BCO	0	0	-	0	-	0	0	-
PETRO OUTRIGHT NA	DAP	6	0	-	0	-	1	0	-
PJM WES HUB PEAK CAL MTH	6OA	19	2.86	565.0%	0	-	4	2.48	75.6%
PJM WES HUB PEAK CAL MTH	JOA	0	0	-	0	-	0	7.04	-100.0%
PJM WES HUB PEAK LMP 50MW	PMA	0	46.81	-100.0%	0	-	7	50.58	-86.7%
RBOB 1MO CAL SPD OPTIONS	ZA	0	9.52	-100.0%	0	-	1	5.6	-78.4%
RBOB CALENDAR SWAP	RA	1	0	-	0	-	2	7.72	-72.7%
RBOB CRACK	RX	0	0	-	0	-	0	0	-
RBOB PHY	OB	868	685.62	26.5%	853.36	1.7%	832	597.1	39.4%
RBOB PHY	RF	1	0	-	22.55	-97.3%	8	1	725.8%
ROTTERDAM 3.5%FUEL OIL CL	Q6	0	0	-	0	-	0	0	-
SAN JUAN PIPE SWAP	PJ	18	8.86	105.5%	41.36	-56.0%	10	11.38	-9.7%
SHORT TERM	C15	0	0	-	0	-	0	0	-
SHORT TERM	U11	0	3.57	-100.0%	0	-	2	8.21	-75.4%
SHORT TERM	U12	0	2.38	-100.0%	0	-	6	4.68	20.6%
SHORT TERM	U13	8	0	-	0	-	1	0.8	51.2%
SHORT TERM	U14	0	3.57	-100.0%	0	-	0	6.5	-93.8%
SHORT TERM	U15	0	23.81	-100.0%	0	-	7	6.22	7.0%
SHORT TERM	U22	0	6.19	-100.0%	0	-	0	9.53	-99.9%
SHORT TERM	U23	0	0	-	0.77	-100.0%	0	4.64	-97.0%
SHORT TERM	U24	8	0	-	0	-	1	3.41	-64.5%
SHORT TERM	U25	0	4.86	-100.0%	0	-	0	0.82	-100.0%
SHORT TERM	U26	0	0	-	0	-	0	2.4	-100.0%
SHORT TERM NATURAL GAS	U01	0	0	-	0	-	4	2.8	51.2%
SHORT TERM NATURAL GAS	U02	0	12.86	-100.0%	0	-	0	11.56	-100.0%
SHORT TERM NATURAL GAS	U03	0	0	-	18.36	-100.0%	3	6.04	-46.1%
SHORT TERM NATURAL GAS	U04	0	27.38	-100.0%	0	-	5	7.6	-36.3%

## NYMEX/COMEX Exchange ADV Report - Monthly

June 2019

Page 18 of 19

Commodity		ADV JUN 2019	ADV JUN 2018	% CHG	ADV MAY 2019	% CHG	ADV Y.T.D 2019	ADV Y.T.D 2018	% CHG
<b>Energy Options</b>									
SHORT TERM NATURAL GAS	U05	0	5	-100.0%	0	-	2	6.48	-75.1%
SHORT TERM NATURAL GAS	U06	18	9.52	86.4%	0	-	3	5.2	-37.2%
SHORT TERM NATURAL GAS	U07	0	50.05	-100.0%	0	-	5	12.81	-62.2%
SHORT TERM NATURAL GAS	U08	0	0	-	0	-	4	11	-63.3%
SHORT TERM NATURAL GAS	U09	0	0	-	0	-	1	5.87	-86.3%
SHORT TERM NATURAL GAS	U10	0	0	-	0	-	0	5.6	-100.0%
SHORT TERM NATURAL GAS	U16	0	0	-	0	-	1	4.78	-83.1%
SHORT TERM NATURAL GAS	U17	0	0	-	0	-	0	18.24	-100.0%
SHORT TERM NATURAL GAS	U18	0	40.48	-100.0%	0	-	0	10.98	-98.2%
SHORT TERM NATURAL GAS	U19	0	0	-	0	-	0	1.48	-100.0%
SHORT TERM NATURAL GAS	U20	15	14.29	5.0%	0	-	2	2.4	0.8%
SHORT TERM NATURAL GAS	U21	0	7.14	-100.0%	0	-	0	2.82	-85.7%
SHORT TERM NATURAL GAS	U27	0	0	-	0	-	0	3.2	-100.0%
SHORT TERM NATURAL GAS	U28	0	0	-	0	-	3	0.8	328.4%
SHORT TERM NATURAL GAS	U29	0	2.86	-100.0%	0	-	0	3.68	-100.0%
SHORT TERM NATURAL GAS	U30	0	0	-	9.09	-100.0%	2	0.8	101.6%
SHORT TERM NATURAL GAS	U31	0	0	-	0	-	7	0.2	3327.4%
SINGAPORE GASOIL CALENDAR	M2	0	0	-	0	-	0	0	-
SINGAPORE JET FUEL CALEND	N2	0	0	-	0	-	0	0	-
WTI-BRENT BULLET SWAP	BV	1,733	2,963	-41.5%	2,279.55	-24.0%	2,553	5,477.62	-53.4%
WTI CRUDE OIL 1 M CSO FI	7A	2,778	4,347.62	-36.1%	2,200.68	26.2%	2,946	3,960.4	-25.6%

### Ag Products Futures

COCOA TAS	CJ	0	0	-	0	-	0	0.04	61.3%
COTTON	TT	0	0	-	0.27	10.0%	0	0.02	656.3%
SUGAR 11	YO	1	0	-	0	-	0	0.46	-82.6%

## NYMEX/COMEX Exchange ADV Report - Monthly

June 2019

Page 19 of 19

Commodity	ADV JUN 2019	ADV JUN 2018	% CHG	ADV MAY 2019	% CHG	ADV Y.T.D 2019	ADV Y.T.D 2018	% CHG
<b>TOTAL FUTURES GROUP</b>								
Ag Products Futures	1	0	-	0.27	340.0%	0	0.52	-48.8%
Energy Futures	2,202,500	2,313,295.33	-4.8%	2,260,204.55	-2.6%	2,172,901	2,372,453.73	-8.4%
Metals Futures	672,450	606,662.38	10.8%	522,952.36	28.6%	527,638	636,167.26	-17.1%
<b>TOTAL FUTURES</b>	<b>2,874,951</b>	<b>2,919,957.72</b>	<b>-1.5%</b>	<b>2,783,157.18</b>	<b>3.3%</b>	<b>2,700,539.05</b>	<b>3,008,621.51</b>	<b>-10.2%</b>
<b>TOTAL OPTIONS GROUP</b>								
Energy Options	274,226	262,667.24	4.4%	268,822.14	2.0%	242,600	317,931.99	-23.7%
Metals Options	128,198	59,009.14	117.3%	58,703.77	118.4%	70,207	56,849.66	23.5%
<b>TOTAL OPTIONS</b>	<b>402,424</b>	<b>321,676.38</b>	<b>25.1%</b>	<b>327,525.91</b>	<b>22.9%</b>	<b>312,807.88</b>	<b>374,781.66</b>	<b>-16.5%</b>
<b>TOTAL COMBINED</b>								
Metals	800,649	665,671.52	20.3%	581,656.14	37.6%	597,846	693,016.93	-13.7%
Energy	2,476,725	2,575,962.57	-3.9%	2,529,026.68	-2.1%	2,415,501	2,690,385.72	-10.2%
Ag Products	1	0	-	0.27	340.0%	0	0.52	-48.8%
<b>GRAND TOTAL</b>	<b>3,277,375</b>	<b>3,241,634.1</b>	<b>1.1%</b>	<b>3,110,683.09</b>	<b>5.4%</b>	<b>3,013,346.93</b>	<b>3,383,403.17</b>	<b>-10.9%</b>