

## NYMEX/COMEX Exchange ADV Report - Monthly

April 2018

Page 1 of 20

Commodity		ADV APR 2018	ADV APR 2017	% CHG	ADV MAR 2018	% CHG	ADV Y.T.D 2018	ADV Y.T.D 2017	% CHG
<b>Metals Futures</b>									
COMEX GOLD	GC	316,908	242,746.32	30.6%	382,670.57	-17.2%	365,019	260,528.32	40.1%
NYMEX HOT ROLLED STEEL	HR	575	62.21	824.2%	459.76	25.1%	503	153.7	227.2%
NYMEX PLATINUM	PL	20,176	14,767.11	36.6%	26,796.19	-24.7%	21,671	17,638.02	22.9%
PALLADIUM	PA	6,911	5,150.58	34.2%	4,822.71	43.3%	6,216	5,552.79	11.9%
URANIUM	UX	1	10.53	-87.8%	9.52	-86.5%	11	30.79	-63.9%
COMEX SILVER	SI	125,036	111,625.42	12.0%	87,729.57	42.5%	107,444	84,446	27.2%
COMEX E-Mini GOLD	QO	333	387.89	-14.2%	323.86	2.7%	348	473.79	-26.5%
COMEX E-Mini SILVER	QI	57	37.89	50.9%	59.9	-4.5%	60	42.05	43.8%
COMEX COPPER	HG	147,188	119,304.47	23.4%	119,550.05	23.1%	138,577	100,435.07	38.0%
COMEX MINY COPPER	QC	25	41.58	-39.2%	19.14	32.1%	29	44.62	-34.4%
ALUMINUM	A38	0	0	-	0	-	0	0.37	-100.0%
ALUMINUM	AEP	142	73.95	92.4%	71.33	99.5%	86	190.85	-55.0%
ALUMINUM	ALA	98	0	-	1.43	6733.2%	36	1.23	2789.3%
ALUMINUM	ALI	0	11.58	-100.0%	0	-	0	55.94	-100.0%
ALUMINUM	AUP	534	260.68	104.7%	580.1	-8.0%	615	428.89	43.5%
ALUMINUM	CUP	0	0	-	0	-	3	0	-
ALUMINUM	EDP	8	19.74	-58.0%	102.38	-91.9%	82	12.06	576.6%
ALUMINUM	MJP	57	0	-	209.29	-72.8%	89	57.51	54.8%
COPPER	HGS	33	16.16	103.6%	183.19	-82.0%	123	11.4	978.0%
E-MICRO GOLD	MGC	6,353	4,471.79	42.1%	5,578.52	13.9%	6,331	4,261.99	48.5%
FERROUS PRODUCTS	BUS	71	1.58	4384.7%	37.1	90.9%	112	2.65	4124.2%
GOLD	GPS	0	0	-	0	-	0	0	-
Gold Kilo	GCK	3	12.11	-76.4%	1.67	71.4%	2	20.14	-91.8%
IRON ORE 62 CHINA PLATTS FUTURES	PIO	0	0	-	0	-	0	15.95	-100.0%
IRON ORE 62 CHINA TSI FUTURES	TIO	171	597.32	-71.4%	279.52	-38.9%	176	543.53	-67.7%
LNDN ZINC	ZNC	0	0.79	-57.8%	0	-	0	0.43	12.9%
SILVER	SIL	445	244.37	81.9%	245.24	81.3%	357	243.09	46.8%
<b>Metals Options</b>									
COMEX COPPER	HX	1,160	209.95	452.6%	847.67	36.9%	1,003	196.69	409.7%
COMEX GOLD	OG	45,683	41,262.74	10.7%	44,789.71	2.0%	46,862	38,694.21	21.1%
COMEX SILVER	SO	8,438	5,988.63	40.9%	5,987.86	40.9%	7,210	5,168.64	39.5%
GOLD	OG1	510	122.68	315.4%	449.86	13.3%	501	118.59	322.4%
GOLD	OG2	349	148.11	135.6%	324.86	7.4%	397	121.46	226.6%

## NYMEX/COMEX Exchange ADV Report - Monthly

April 2018

Page 2 of 20

Commodity		ADV APR 2018	ADV APR 2017	% CHG	ADV MAR 2018	% CHG	ADV Y.T.D 2018	ADV Y.T.D 2017	% CHG
<b>Metals Options</b>									
GOLD	OG3	394	200.68	96.3%	323.81	21.6%	447	164.86	171.0%
GOLD	OG4	385	105.11	266.3%	219.71	75.2%	287	58.8	387.6%
GOLD	OG5	0	0	-	325.48	-100.0%	83	32.2	158.9%
HOT ROLLED COIL STEEL CALL OPTION	HRO	0	0	-	0	-	0	0	-
IRON ORE 62 CHINA TSI CALL OPTION	ICT	0	171.05	-100.0%	9.52	-100.0%	2	96.69	-97.5%
IRON ORE 62 CHINA TSI PUT OPTION	ICT	0	24.21	-100.0%	17.14	-100.0%	13	156.6	-91.6%
NYMEX PLATINUM	PO	45	136.58	-67.2%	165.57	-72.9%	153	127.81	19.6%
PALLADIUM	PAO	219	247.47	-11.7%	151.62	44.2%	175	167.86	4.3%
SILVER	SO1	6	5.84	-1.4%	16.67	-65.4%	8	2.75	175.1%
SILVER	SO2	5	0	-	7.38	-25.8%	4	1.73	147.0%
SILVER	SO3	15	0	-	12.71	20.2%	9	2.22	316.0%
SILVER	SO4	2	0.37	494.6%	4.67	-53.1%	4	0.53	738.4%
SILVER	SO5	0	0	-	6.33	-100.0%	2	0	-
<b>Energy Futures</b>									
CRUDE OIL PHY	CL	1,332,243	1,117,125.89	19.3%	1,190,641.24	11.9%	1,320,343	1,118,517.95	18.0%
CRUDE OIL	WS	0	0	-	23.81	-100.0%	53	344.73	-84.7%
MINY WTI CRUDE OIL	QM	16,853	10,002.37	68.5%	14,691.52	14.7%	14,479	11,300.58	28.1%
BRENT OIL LAST DAY	BZ	93,734	96,829.42	-3.2%	86,719.86	8.1%	83,594	96,229.12	-13.1%
HEATING OIL PHY	HO	193,635	162,723.05	19.0%	176,944.71	9.4%	196,963	163,510.98	20.5%
HTG OIL	BH	2	2.53	-9.5%	0	-	1	0.59	-1.2%
MINY HTG OIL	QH	0	0.05	171.7%	0.14	0.0%	0	0.14	16.7%
RBOB PHY	RB	193,684	195,875.21	-1.1%	190,136.29	1.9%	197,144	201,038.52	-1.9%
MINY RBOB GAS	QU	0	0.16	-9.5%	0.1	50.1%	0	0.25	-40.7%
NATURAL GAS	HP	4,616	6,724.74	-31.4%	4,836.19	-4.6%	7,206	7,418.27	-2.9%
LTD NAT GAS	HH	12,562	12,100.74	3.8%	14,685.1	-14.5%	18,258	14,283.49	27.8%
MINY NATURAL GAS	QG	850	1,088.89	-21.9%	949.57	-10.5%	1,622	1,546.15	4.9%
PJM MONTHLY	JM	0	0	-	0	-	0	1.48	-100.0%
NATURAL GAS PHY	NG	400,438	416,378.21	-3.8%	347,023.19	15.4%	467,554	426,458.44	9.6%
RBOB GAS	RT	101	84.11	20.5%	91.43	10.8%	163	82.2	97.7%
3.5% FUEL OIL CID MED SWA	7D	2	0	-	1.86	23.1%	5	10.46	-53.7%
3.5% FUEL OIL CIF BALMO S	8D	4	2.63	62.9%	0	-	1	2.1	-47.7%
AEP-DAYTON HUB DAILY	VD	0	0	-	0	-	0	0	-

## NYMEX/COMEX Exchange ADV Report - Monthly

April 2018

Page 3 of 20

Commodity		ADV APR 2018	ADV APR 2017	% CHG	ADV MAR 2018	% CHG	ADV Y.T.D 2018	ADV Y.T.D 2017	% CHG
<b>Energy Futures</b>									
AEP-DAYTON HUB MTHLY	VM	0	0	-	0	-	0	0	-
AEP-DAYTON HUB OFF-PEAK M	VP	0	0	-	0	-	0	0	-
ALGON CITY GATES NAT GAS	N7	0	0	-	0	-	0	0	-
ALGONQUIN CITYGATES BASIS	B4	0	0	-	0	-	0	0	-
ANR LOUISIANA BASIS SWAP	ND	0	0	-	0	-	0	0	-
ANR OKLAHOMA	NE	0	0	-	0	-	0	0	-
ARGUS LLS VS. WTI (ARG) T	E5	952	382.63	148.9%	884.38	7.7%	1,334	363.52	267.1%
ARGUS PROPAN FAR EST INDE	7E	374	58.32	542.1%	346.86	7.9%	342	67.53	405.7%
ARGUS PROPAN(SAUDI ARAMCO	9N	170	45	278.3%	137	24.3%	141	52.06	170.6%
AUSTRALIAN COKE COAL	ACT	0	0	-	0	-	0	0	-
AUSTRALIAN COKE COAL	ALW	0	5.11	-100.0%	0	-	0	11.31	-100.0%
BRENT BALMO SWAP	J9	0	5.95	-100.0%	0	-	1	1.7	-64.2%
BRENT CALENDAR SWAP	CY	217	53.58	304.2%	37.9	471.4%	92	142.8	-35.5%
BRENT CFD SWAP	6W	0	0	-	14.29	-100.0%	4	0	-
BRENT FINANCIAL FUTURES	BB	0	3.89	-100.0%	309.52	-100.0%	128	140.2	-8.7%
BRENT FINANCIAL FUTURES	MDB	7	0	-	0	-	2	0	-
BRENT OIL LAST DAY	BZL	0	0	-	0	-	0	0	-
BRENT OIL LAST DAY	BZS	0	0	-	0	-	0	0	-
CAISO SP15 EZGNHUB5 MW P	9X	0	0	-	0	-	0	98.02	-100.0%
CAISO SP15 EZGNHUB5 PEAK	9Z	0	0	-	0	-	0	0	-
CANADIAN LIGHT SWEET OIL	CIL	0	15.47	-100.0%	0	-	0	31.59	-100.0%
CENTERPOINT BASIS SWAP	PW	0	0	-	0	-	0	6.59	-93.3%
CEU ENERGY	DEB	10	0	-	23.86	-59.3%	25	0	-
CEU ENERGY	TTF	48	0	-	58.57	-17.5%	42	0	-
CEU ENERGY	UKG	248	0	-	245.24	1.3%	182	0	-
CHICAGO ETHANOL SWAP	CU	5,046	5,680.32	-11.2%	5,300.05	-4.8%	5,329	6,145.22	-13.3%
CHICAGO ULSD (PLATTS) SWA	4C	0	0	-	0	-	0	0	-
CHICAGO ULSD PL VS HO SPR	5C	4	5.32	-30.1%	8.57	-56.7%	14	9.65	45.5%
CHICAGO UNL GAS PL VS RBO	3C	0	0	-	10.71	-100.0%	6	0	-
CIG BASIS	CI	3	0	-	0	-	2	2.3	4.1%
CIG ROCKIES NG INDEX SWA	Z8	0	0	-	0	-	0	8.89	-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	2,391.58	-100.0%	0	-	0	2,255.31	-100.0%
CIN HUB 5MW D AH PK	H5	52	233.68	-77.6%	50.29	4.2%	56	124.75	-55.0%
CIN HUB 5MW REAL TIME O P	H4	0	4,797.89	-100.0%	0	-	0	2,792.59	-100.0%

## NYMEX/COMEX Exchange ADV Report - Monthly

April 2018

Page 4 of 20

Commodity		ADV APR 2018	ADV APR 2017	% CHG	ADV MAR 2018	% CHG	ADV Y.T.D 2018	ADV Y.T.D 2017	% CHG
<b>Energy Futures</b>									
CIN HUB 5MW REAL TIME PK	H3	0	289.47	-100.0%	0	-	0	246.91	-100.0%
COAL SWAP	ACM	2	12.89	-87.1%	6.43	-74.1%	2	11.23	-79.9%
COAL SWAP	SSI	0	0	-	0	-	0	0	-
COLUMB GULF MAINLINE NG B	5Z	0	0	-	0	-	0	0	-
COLUMBIA GULF ONSHORE	GL	0	0	-	0	-	0	0	-
CONWAY NATURAL GASOLINE (OPIS) SWA	8L	2	10.68	-78.6%	2.29	0.0%	7	13.01	-48.6%
CONWAY NORMAL BUTANE (OPIS) SWAP	8M	7	44.21	-83.8%	5.24	36.4%	4	40.36	-89.7%
CONWAY PROPANE 5 DECIMALS SWAP	8K	759	332.47	128.3%	851.05	-10.8%	763	403.63	89.1%
CRUDE OIL	LPS	216	176.32	22.3%	238.1	-9.4%	237	176.17	34.7%
CRUDE OIL OUTRIGHTS	42	17	158.26	-89.0%	11.48	52.3%	11	43.6	-74.7%
CRUDE OIL OUTRIGHTS	CC5	0	0	-	0	-	0	1.85	-100.0%
CRUDE OIL OUTRIGHTS	CPD	5	0	-	15.43	-69.1%	36	0	-
CRUDE OIL OUTRIGHTS	CSN	0	0	-	0	-	0	0.37	-100.0%
CRUDE OIL OUTRIGHTS	CSW	0	19.74	-100.0%	0	-	0	10.86	-99.4%
CRUDE OIL OUTRIGHTS	DBL	1	5.26	-85.5%	1.14	-33.3%	0	7.41	-93.4%
CRUDE OIL OUTRIGHTS	FE	0	0	-	0	-	0	1.23	-100.0%
CRUDE OIL OUTRIGHTS	GSW	0	0	-	0	-	1	1.36	-5.7%
CRUDE OIL OUTRIGHTS	HTT	1,995	619.74	221.9%	1,714.1	16.4%	2,362	452.42	422.0%
CRUDE OIL OUTRIGHTS	LSW	3	1.58	81.0%	0	-	4	0.37	854.8%
CRUDE OIL OUTRIGHTS	SSW	0	5.53	-100.0%	0	-	0	1.48	-100.0%
CRUDE OIL OUTRIGHTS	UMD	33	0	-	42.86	-22.2%	57	0	-
CRUDE OIL OUTRIGHTS	UNS	24	0	-	120.86	-80.3%	74	0	-
CRUDE OIL OUTRIGHTS	WCC	0	138.16	-100.0%	0	-	0	290.7	-100.0%
CRUDE OIL OUTRIGHTS	WCW	486	196.05	148.0%	677.24	-28.2%	513	47.47	980.6%
CRUDE OIL PHY	CLL	0	0	-	0	-	0	0	-
CRUDE OIL SPRDS	38	0	0	-	0	-	14	0	-
CRUDE OIL SPRDS	WTT	2,038	462.32	340.9%	1,752.43	16.3%	2,700	309.31	772.8%
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	-

## NYMEX/COMEX Exchange ADV Report - Monthly

April 2018

Page 5 of 20

Commodity		ADV APR 2018	ADV APR 2017	% CHG	ADV MAR 2018	% CHG	ADV Y.T.D 2018	ADV Y.T.D 2017	% CHG
<b>Energy Futures</b>									
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 BRENT (PLATTS) DAILY SWAP	7G	0	0	-	0	-	0	0	-
DATED TO FRONTLINE BRENT	FY	29	17.63	62.0%	19.05	50.0%	32	51.17	-36.6%
DIESEL 10P BRG FOB RDM VS	7X	0	0	-	0	-	0	0	-
DIESEL 10PPM BARGES FOB B	U7	0	0	-	0	-	0	0	-
DOMINION TRAN INC - APP I	IH	0	0	-	0	-	0	0	-
DOMINION TRANSMISSION INC	PG	0	166.89	-100.0%	0	-	0	481.43	-100.0%
DUBAI CRUDE OIL BALMO	BI	0	0	-	5.95	-100.0%	2	0	-
DUBAI CRUDE OIL CALENDAR	DC	56	210.53	-73.2%	36.1	56.2%	109	360.54	-69.7%
DY EURO 3.5% FUEL OI RDA	FOR	0	0	-	0	-	0	18.52	-100.0%
EASTERN RAIL DELIVERY CSX	QX	1	10.53	-86.4%	0.71	100.0%	2	39.68	-95.4%
EAST/WEST FUEL OIL SPREAD	EW	1	12.84	-92.6%	0.57	66.7%	2	14.07	-86.4%
EIA FLAT TAX ONHWAY DIESE	A5	11	26.37	-59.2%	4.1	162.8%	8	39.3	-79.3%
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	933	0	-	0	-	239	0	-
ELEC FINSETTLED	47	0	0	-	0	-	0	0	-
ELEC FINSETTLED	49	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 ERCOT PEAK	ERE	0	0	-	0	-	0	0	-
ELECTRICITY OFF PEAK	46	0	0	-	0	-	0	0	-
ELECTRICITY OFF PEAK	50	0	0	-	0	-	0	0	-
ELEC WEST POWER OFF-PEAK	MDA	0	0	-	0	-	0	0	-
ELEC WEST POWER PEAK	MDC	0	0	-	0	-	0	19.01	-100.0%
ERCOT DAILY 5MW PEAK	ERW	0	0	-	0	-	0	0	-
ERCOT HOUSTON Z MCPE 5MW PEAK SWA	I1	0	0	-	30	-100.0%	18	0	-
ERCOT NORTH ZMCPE 5MW OFFPEAK	I8	0	0	-	0	-	0	0	-
ERCOT NORTH ZMCPE 5MW OFFPEAK SWA	I6	933	0	-	0	-	239	0	-
ERCOT NORTH ZMCPE 5MW PEAK	I5	0	0	-	30	-100.0%	56	10.25	448.6%

## NYMEX/COMEX Exchange ADV Report - Monthly

April 2018

Page 6 of 20

Commodity	ADV APR 2018	ADV APR 2017	% CHG	ADV MAR 2018	% CHG	ADV Y.T.D 2018	ADV Y.T.D 2017	% CHG
<b>Energy Futures</b>								
ETHANOL SWAP	1	0	-	0.48	100.0%	0	0	-
ETHANOL T2 FOB ROTT INCL DUTY SWAP	162	187.11	-13.4%	152.29	6.4%	153	183.46	-16.7%
EURO 1% FUEL OIL NEW BALM	0	0.26	-100.0%	0	-	0	0.12	-50.6%
EURO 3.5% FUEL OIL RDAM B	34	18.68	84.5%	21.38	61.2%	30	28.16	5.2%
EURO 3.5% FUEL OIL SPREAD	9	11.58	-21.5%	8.14	11.7%	6	23.01	-74.5%
EURO-DENOMINATED PETRO PROD	0	23.16	-100.0%	0	-	0	16.54	-100.0%
EURO GASOIL 10PPM VS ICE	0	0	-	0.38	-100.0%	4	2.44	77.1%
EUROPE 1% FUEL OIL NWE CA	2	7.63	-71.9%	4.29	-50.0%	4	6.73	-45.1%
EUROPE 1% FUEL OIL RDAM C	0	0.32	-100.0%	0	-	0	0.2	-100.0%
EUROPE 3.5% FUEL OIL MED	5	3.16	67.4%	4.71	12.1%	7	13.51	-44.9%
EUROPE 3.5% FUEL OIL RDAM	562	330.05	70.3%	391.71	43.5%	399	478.78	-16.7%
EUROPEAN GASOIL (ICE)	35	110.26	-68.6%	19.05	82.0%	20	137.02	-85.2%
EUROPEAN NAPHTHA BALMO	10	20.47	-52.8%	10.19	-5.1%	13	18.94	-29.2%
EUROPEAN NAPHTHA CRACK SPR	401	274.95	45.9%	308.71	29.9%	455	357.47	27.4%
EUROPE DATED BRENT SWAP	0	0	-	0	-	0	5.14	-100.0%
EUROPE JET KERO NWE CALSW	0	0.63	-100.0%	0	-	0	0.59	-69.1%
EUROPE NAPHTHA CALSWAP	114	137.63	-17.2%	106.43	7.0%	167	134.86	23.5%
EURO PROPANE CIF ARA SWA	79	47.68	64.7%	94.24	-16.7%	102	59.69	71.4%
FLORIDA GAS ZONE3 BASIS S	0	0	-	0	-	0	0	-
FREIGHT MARKETS	2	3.16	-33.7%	11.14	-81.2%	6	4.26	40.9%
FREIGHT MARKETS	0	0	-	2.62	-100.0%	2	0	-
FREIGHT MARKETS	0	0	-	0	-	0	0	-
FREIGHT MARKETS	26	0	-	0	-	13	0	-
FREIGHT MARKETS	0	0	-	0	-	3	0	-
FUEL OIL CRACK VS ICE	187	146.37	27.9%	344.24	-45.6%	226	187.02	20.7%
FUEL OIL NWE CRACK VS ICE	1	0	-	0	-	2	0	-
FUEL OIL (PLATS) CAR CM	0	0	-	2.38	-100.0%	2	0	-
FUEL OIL (PLATS) CAR CN	1	0	-	0	-	1	0	-
FUELOIL SWAP:CARGOES VS.B	12	8.79	36.0%	13	-8.1%	15	14.01	6.6%
GAS EURO-BOB OXY NWE BARGES	277	408.74	-32.2%	346.24	-20.0%	357	387.46	-7.8%
GAS EURO-BOB OXY NWE BARGES CRK	1,102	865.21	27.4%	1,046.67	5.3%	1,136	1,019.51	11.4%
GASOIL 0.1 CIF MED SWAP	0	0	-	0	-	0	0	-
GASOIL 0.1CIF MED VS ICE	0	0	-	0.48	-100.0%	0	0.62	-80.2%
GASOIL 0.1 CIF NWE VS ISE	0	0	-	0	-	0	0	-
GASOIL 0.1 CIF VS ICE GAS	0	0	-	0	-	0	0.25	-100.0%
GASOIL 0.1 RDAM BRGS VS I	0	6.32	-100.0%	0	-	0	1.48	-95.9%

## NYMEX/COMEX Exchange ADV Report - Monthly

April 2018

Page 7 of 20

Commodity		ADV APR 2018	ADV APR 2017	% CHG	ADV MAR 2018	% CHG	ADV Y.T.D 2018	ADV Y.T.D 2017	% CHG
<b>Energy Futures</b>									
GASOIL 0.1 ROTTERDAM BARG	VL	15	0.26	5689.6%	0.24	6299.9%	4	0.56	701.2%
GASOIL 10P CRG CIF NW VS	3V	0	0	-	0	-	0	0	-
GASOIL 10PPM VS ICE SWAP	TP	0	0.26	-100.0%	0.57	-100.0%	0	5.68	-97.4%
GASOIL BULLET SWAP	BG	0	0	-	0	-	0	0	-
GASOIL CALENDAR SWAP	GX	0	0.79	-100.0%	0.29	-100.0%	0	0.41	-64.1%
GASOIL CRACK SPREAD CALEN	GZ	71	451.84	-84.2%	99.24	-28.3%	293	403.31	-27.4%
GASOIL MINI CALENDAR SWAP	QA	5	4.11	27.6%	0	-	7	8.09	-19.2%
GROUP THREE ULSD (PLATTS)	A7	0	0	-	0	-	1	0	-
GRP THREE ULSD(PLT)VS HEA	A6	189	269	-29.7%	120.48	57.1%	199	142.05	39.9%
GRP THREE UNL GS (PLT) VS	A8	140	42.89	227.5%	94.76	48.2%	109	31.53	245.7%
GULF COAST 3% FUEL OIL BA	VZ	45	65.58	-31.2%	37.9	19.0%	67	58.46	14.7%
GULF COAST JET FUEL CLNDR	GE	16	10.95	46.2%	2	700.0%	8	5.63	37.1%
GULF COAST JET VS NYM 2 H	ME	1,515	1,394	8.7%	2,258.71	-32.9%	2,294	2,169.28	5.8%
GULF COAST NO.6 FUEL OIL	MF	2,869	2,795.05	2.6%	3,059.14	-6.2%	2,939	3,051.16	-3.7%
GULF COAST NO.6 FUEL OIL	MG	175	81.84	113.2%	113.19	54.2%	103	86.04	20.2%
GULF COAST ULSD CALENDAR	LY	10	28.58	-66.7%	3.81	150.0%	9	19.42	-52.7%
GULF COAST ULSD CRACK SPR	GY	5	0	-	4.76	0.0%	16	12.35	27.9%
HEATING OIL BALMO CLNDR S	1G	0	10.26	-100.0%	0	-	1	4.57	-85.1%
HEATING OIL PHY	HOL	0	0	-	0	-	0	0	-
HENRY HUB BASIS SWAP	HB	59	538.47	-89.0%	17.14	244.4%	76	436.22	-82.7%
HENRY HUB FINANCIAL LAST	NBP	58	0	-	65.1	-10.6%	65	0	-
HENRY HUB FINANCIAL LAST	TTE	1	0	-	22.1	-94.4%	8	0	-
HENRY HUB INDEX SWAP FUTU	IN	59	538.47	-89.0%	17.14	244.4%	76	416.74	-81.9%
HENRY HUB SWAP	NN	6,241	8,898.58	-29.9%	6,293.1	-0.8%	7,883	7,755.69	1.6%
HOUSTON SHIP CHANNEL BASI	NH	0	51	-100.0%	0	-	0	11.96	-100.0%
HUSTN SHIP CHNL PIPE SWP	XJ	0	0	-	0	-	0	0	-
ICE BRENT DUBAI SWAP	DB	631	929.47	-32.2%	472.1	33.6%	525	519.67	0.9%
ICE GASOIL BALMO SWAP	U9	0	0	-	0	-	0	0	-
IN DELIVERY MONTH EUA	6T	0	150	-100.0%	0	-	0	35.19	-100.0%
INDIANA MISO	FAD	0	0	-	0	-	0	0	-
INDIANA MISO	FTD	0	0	-	0	-	0	0	-
INDIANA MISO	FTM	0	0	-	0	-	0	0	-
INDIANA MISO	PDD	0	0	-	0	-	0	0	-
INDIANA MISO	PTD	0	0	-	0	-	0	0	-
INDONESIAN COAL	MCC	0	0	-	0	-	0	0.06	-100.0%
INDONESIAN COAL ICI4	ICI	5	0	-	4.29	27.8%	3	0	-

## NYMEX/COMEX Exchange ADV Report - Monthly

April 2018

Page 8 of 20

Commodity		ADV APR 2018	ADV APR 2017	% CHG	ADV MAR 2018	% CHG	ADV Y.T.D 2018	ADV Y.T.D 2017	% CHG
<b>Energy Futures</b>									
ISO NEW ENGLAND OFF-PEAK	KI	0	0	-	0	-	0	0	-
ISO NEW ENGLAND PK LMP	NI	0	0	-	0	-	0	0.12	-100.0%
JAPAN C&F NAPHTHA CRACK S	JB	44	21.21	106.1%	6.43	580.0%	20	22.28	-12.0%
JAPAN C&F NAPHTHA SWAP	JA	94	160.68	-41.2%	72.86	29.7%	97	85.64	12.7%
JAPAN NAPHTHA BALMO SWAP	E6	2	34.32	-94.9%	0.71	146.7%	2	9.62	-82.2%
JET AV FUEL (P) CAR FM ICE GAS SWAP	1V	0	0	-	0	-	0	0	-
JET CIF NWE VS ICE	JC	4	4.74	-25.6%	0	-	6	4.69	23.2%
JET FUEL BRG FOB RDM VS I	9Q	0	0	-	0	-	0	0	-
JET FUEL CRG CIF NEW VS I	6X	0	0	-	0	-	0	0.12	-100.0%
JET FUEL UP-DOWN BALMO CL	1M	212	340.95	-37.7%	504.95	-57.9%	369	371.2	-0.6%
LA CARB DIESEL (OPIS)	LX	0	0	-	0	-	0	0	-
LA CARB DIESEL (OPIS) SWA	KL	15	7.89	96.0%	10.71	44.4%	12	8.46	44.2%
LA CARBOB GASOLINE(OPIS)S	JL	69	2.63	2523.8%	22.62	205.3%	40	8.64	362.1%
LA JET FUEL VS NYM NO 2 H	MQ	0	0	-	0	-	0	0.31	-100.0%
LA JET (OPIS) SWAP	JS	125	34.21	266.8%	98.81	27.0%	116	85.93	35.3%
LLS (ARGUS) VS WTI SWAP	WJ	290	299.47	-3.2%	319.67	-9.4%	234	261.42	-10.3%
MARS (ARGUS) VS WTI SWAP	YX	168	159.47	5.4%	108.33	55.2%	177	174.83	1.5%
MARS (ARGUS) VS WTI TRD M	YV	935	827.63	12.9%	1,080.76	-13.5%	1,398	1,185.21	18.0%
MARS BLEND CRUDE OIL	MB	17	241.11	-93.1%	18.52	-10.0%	19	120.56	-84.6%
MCCLOSKEY ARA ARGS COAL	MTF	1,088	2,016.37	-46.0%	1,192.05	-8.7%	1,302	2,625.16	-50.4%
MCCLOSKEY RCH BAY COAL	MFF	113	279.95	-59.6%	149.86	-24.6%	171	317	-46.1%
MGF FUT	MGF	2	1.84	29.3%	0	-	2	2.43	-34.8%
MGN1 SWAP FUT	MGN	1	4.74	-69.8%	4.43	-67.7%	5	6.69	-30.2%
MICHIGAN BASIS	NF	0	0	-	0	-	0	32	-100.0%
MICHIGAN MISO	HMO	0	0	-	0	-	0	728.89	-100.0%
MICHIGAN MISO	HMW	0	0	-	0	-	0	39.44	-100.0%
MINI GAS EUROBOB OXY NWE ARGS BALM	MEB	24	26.79	-10.8%	13.62	75.5%	17	20.31	-16.6%
MINI RBOB V. EBOBARG NWE BRGS BALMO	MXR	41	12.42	230.5%	3.38	1114.1%	13	14.59	-12.0%
MINI RBOB V. EBOB(ARGUS) NWE BRGS	MXB	96	173.11	-44.4%	60.52	59.0%	76	120.96	-37.3%
MJC FUT	MJC	9	0	-	10	-9.5%	12	3.21	268.5%
MNC FUT	MNC	164	238.84	-31.4%	181.33	-9.6%	177	223.94	-21.1%
MONT BELVIEU ETHANE 5 DECIMAL	C0	552	962.05	-42.6%	707.1	-21.9%	749	1,641.57	-54.4%
MONT BELVIEU ETHANE OPIS BALMO	8C	4	10.53	-59.3%	0.71	500.0%	8	23.77	-66.4%
MONT BELVIEU LDH PROPANE 5 DECIMAL	B0	6,585	3,376.16	95.1%	5,773.67	14.1%	6,552	4,672.36	40.2%
MONT BELVIEU LDH PROPANE OPIS BALM	8O	108	71.89	50.7%	131.24	-17.5%	171	112.05	52.9%
MONT BELVIEU NATURAL GASOLINE 5 DEC	7Q	435	134.42	223.6%	444.86	-2.2%	472	232.51	102.9%

## NYMEX/COMEX Exchange ADV Report - Monthly

April 2018

Page 9 of 20

Commodity		ADV APR 2018	ADV APR 2017	% CHG	ADV MAR 2018	% CHG	ADV Y.T.D 2018	ADV Y.T.D 2017	% CHG
<b>Energy Futures</b>									
MONT BELVIEU NATURAL GASOLINE BALM	R0	11	8.16	33.1%	31.67	-65.7%	22	16.93	27.7%
MONT BELVIEU NORMAL BUTANE 5 DECIM	D0	2,002	1,559.95	28.3%	1,249.52	60.2%	1,433	1,530.67	-6.4%
MONT BELVIEU NORMAL BUTANE BALMO	8J	37	21.32	74.3%	49.1	-24.3%	47	51.88	-10.2%
NAT GAS BASIS SWAP	TZ6	0	23.84	-100.0%	0	-	0	21.44	-100.0%
NATURAL GAS	XIC	0	0	-	0	-	0	0.54	-100.0%
NATURAL GAS FIXED PRICE SWAP FUTURE	DSF	0	0	-	0	-	0	0	-
NATURAL GAS INDEX	TZI	0	0	-	0	-	0	8.1	-100.0%
NATURAL GAS PEN SWP	NP	1,467	3,221.32	-54.5%	1,255.81	16.8%	1,972	5,183.02	-62.0%
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	3,384.21	-100.0%	0	-	755	2,729.63	-72.3%
NEPOOL INTR HUB 5MW D AH	U6	0	183.16	-100.0%	0	-	42	128.4	-67.6%
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	72	27.89	158.6%	100	-27.9%	91	29.69	206.4%
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	-	5	9.19	-46.9%
NGPL TEX/OK	PD	720	0	-	3.62	19795.0%	278	9.88	2719.7%
N ILLINOIS HUB DAILY	UD	0	0	-	0	-	0	0	-
N ILLINOIS HUB MTHLY	UM	0	0	-	0	-	0	0	-
NO 2 UP-DOWN SPREAD CALEN	UT	14	22.37	-36.1%	13.1	9.1%	19	32.53	-42.5%
NORTHEN NATURAL GAS DEMAR	PE	0	0	-	0	-	0	0	-
NORTHEN NATURAL GAS VENTU	PF	0	0	-	0	-	1	0	-
NORTHERN ILLINOIS OFF-PEA	UO	0	0	-	0	-	0	0	-
NORTHWEST ROCKIES BASIS S	NR	0	19.37	-100.0%	0	-	0	7.58	-100.0%
N ROCKIES PIPE SWAP	XR	0	0	-	0	-	0	0	-
NY1% VS GC SPREAD SWAP	VR	40	107.47	-62.7%	128.1	-68.7%	87	134.94	-35.8%
NY 2.2% FUEL OIL (PLATTS	Y3	0	0	-	0	-	0	0	-
NY 3.0% FUEL OIL (PLATTS	H1	10	42.11	-77.4%	13.1	-27.3%	12	27.9	-57.4%
NY HARBOR 1% FUEL OIL BAL	VK	0	1.32	-100.0%	0	-	0	0.31	-100.0%

## NYMEX/COMEX Exchange ADV Report - Monthly

April 2018

Page 10 of 20

Commodity		ADV APR 2018	ADV APR 2017	% CHG	ADV MAR 2018	% CHG	ADV Y.T.D 2018	ADV Y.T.D 2017	% CHG
<b>Energy Futures</b>									
NY HARBOR HEAT OIL SWP	MP	72	171.26	-57.7%	44.1	64.3%	73	124.11	-41.6%
NY HARBOR LOW SULPUR GAS 1000MBBL	NLS	5	18.16	-73.8%	73.81	-93.5%	30	26.83	12.5%
NY HARBOR RESIDUAL FUEL 1	MM	29	145.74	-79.8%	64.05	-54.0%	55	168.89	-67.2%
NYH NO 2 CRACK SPREAD CAL	HK	91	72.32	25.4%	41.29	119.7%	63	90.8	-30.5%
NYISO A	KA	0	0	-	0	-	0	0	-
NYISO A OFF-PEAK	KB	0	0	-	0	-	0	0	-
NYISO CAPACITY	LHV	0	0.63	-100.0%	1.14	-100.0%	2	2.56	-31.3%
NYISO CAPACITY	NNC	6	4.42	46.5%	5.71	13.3%	4	17.04	-78.1%
NYISO CAPACITY	NRS	0	3.95	-100.0%	5.14	-100.0%	1	9.38	-86.0%
NYISO G	KG	0	0	-	0	-	0	0	-
NYISO G OFF-PEAK	KH	0	0	-	0	-	0	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	115.56	-100.0%
NYISO ZONE A 5MW D AH PK	K3	0	0	-	0	-	0	82.78	-100.0%
NYISO ZONE C 5MW D AH O P	A3	0	0	-	0	-	0	0	-
NYISO ZONE C 5MW D AH PK	Q5	0	0	-	0	-	0	0	-
NYISO ZONE G 5MW D AH O P	D2	2,194	2,463.16	-10.9%	12,596.19	-82.6%	4,785	3,200	49.5%
NYISO ZONE G 5MW D AH PK	T3	101	157.37	-36.0%	111.43	-9.6%	67	303.09	-77.8%
NYISO ZONE J 5MW D AH O P	D4	0	1,231.58	-100.0%	0	-	0	1,641.98	-100.0%
NYISO ZONE J 5MW D AH PK	D3	0	89.74	-100.0%	0	-	0	115.37	-100.0%
NYMEX ALUMINUM FUTURES	AN	0	0	-	0	-	0	0	-
NYMEX ULSD VS NYMEX HO	UY	0	0	-	0	-	0	0	-
NY ULSD (ARGUS) VS HEATING OIL	7Y	0	14.47	-100.0%	0	-	0	87	-100.0%
ONEOK OKLAHOMA NG BASIS	8X	0	0	-	0	-	0	0	-
ONTARIO POWER SWAPS	OFD	0	0	-	0	-	0	0	-
ONTARIO POWER SWAPS	OFM	0	0	-	0	-	0	0	-
ONTARIO POWER SWAPS	OPD	0	0	-	0	-	0	1.73	-92.9%
ONTARIO POWER SWAPS	OPM	0	17.37	-100.0%	0	-	0	6.67	-100.0%
PANHANDLE BASIS SWAP FUTU	PH	0	0	-	0	-	3	0.59	465.9%
PANHANDLE PIPE SWAP	XH	0	0	-	0	-	0	10.67	-100.0%
PERMIAN BASIS SWAP	PM	0	11.26	-100.0%	0	-	0	2.64	-100.0%
PETROCHEMICALS	22	12	3.37	242.1%	5.62	105.1%	8	3.78	110.5%
PETROCHEMICALS	32	13	4.74	182.5%	10.14	31.9%	10	6.22	66.6%
PETROCHEMICALS	51	1	0	-	0	-	0	0	-
PETROCHEMICALS	8I	54	8.21	563.5%	37	47.2%	43	34.85	24.5%

## NYMEX/COMEX Exchange ADV Report - Monthly

April 2018

Page 11 of 20

Commodity	ADV APR 2018	ADV APR 2017	% CHG	ADV MAR 2018	% CHG	ADV Y.T.D 2018	ADV Y.T.D 2017	% CHG	
<b>Energy Futures</b>									
PETROCHEMICALS	91	22	8.68	148.4%	26	-17.0%	28	11.72	136.7%
PETROCHEMICALS	HPE	0	0	-	0	-	0	0	-
PETROCHEMICALS	JKM	95	0	-	54.76	73.9%	42	0	-
PETROCHEMICALS	MAC	0	0	-	0	-	0	0.62	-100.0%
PETROCHEMICALS	MAE	11	0	-	11.9	-4.0%	9	0.12	7503.4%
PETROCHEMICALS	MAS	4	1.05	307.2%	6.67	-35.7%	5	1.42	286.5%
PETROCHEMICALS	MBE	26	23.16	11.0%	24.76	3.8%	43	49.81	-13.1%
PETROCHEMICALS	MNB	144	57.53	149.5%	122.62	17.0%	107	44.47	140.7%
PETROCHEMICALS	MPS	5	0	-	3.33	64.3%	4	0	-
PETRO CRCKS & SPRDS ASIA	JNC	0	0	-	0	-	0	0	-
PETRO CRCKS & SPRDS ASIA	STI	0	0	-	0	-	0	1.3	-100.0%
PETRO CRCKS & SPRDS ASIA	STR	5	0	-	0	-	1	3.26	-62.6%
PETRO CRCKS & SPRDS ASIA	STS	0	0	-	0	-	5	0	-
PETRO CRCKS & SPRDS NA	CRB	13	0	-	7.14	86.7%	13	7.53	69.2%
PETRO CRCKS & SPRDS NA	EXR	121	93.42	29.6%	124.05	-2.4%	140	145.16	-3.7%
PETRO CRCKS & SPRDS NA	FOC	100	59.21	68.9%	61.9	61.5%	55	43.09	27.4%
PETRO CRCKS & SPRDS NA	GBB	32	42.89	-25.6%	10.14	214.6%	35	39.57	-12.3%
PETRO CRCKS & SPRDS NA	GCC	7	18.42	-61.2%	19.05	-62.5%	12	8.33	39.0%
PETRO CRCKS & SPRDS NA	GCI	31	51.79	-39.3%	50.19	-37.4%	72	67.84	5.9%
PETRO CRCKS & SPRDS NA	GCM	5	0	-	1	376.2%	1	0	-
PETRO CRCKS & SPRDS NA	GCU	1,001	311.79	221.1%	336.19	197.8%	615	359.11	71.3%
PETRO CRCKS & SPRDS NA	GFC	0	0	-	0	-	0	5.99	-100.0%
PETRO CRCKS & SPRDS NA	HOB	23	240.05	-90.6%	157.86	-85.7%	71	132.86	-46.9%
PETRO CRCKS & SPRDS NA	KSD	0	0	-	0	-	0	0.93	-100.0%
PETRO CRCKS & SPRDS NA	NFG	0	0	-	0	-	1	1.06	-42.6%
PETRO CRCKS & SPRDS NA	NYF	0	15.79	-100.0%	0	-	0	7.41	-100.0%
PETRO CRCKS & SPRDS NA	NYH	0	0	-	0	-	0	0	-
PETRO CRCKS & SPRDS NA	RBB	234	358.68	-34.7%	211.62	10.7%	222	447.04	-50.3%
PETRO CRCKS & SPRDS NA	RVG	853	1,029.47	-17.1%	855.33	-0.2%	843	821.86	2.5%
PETRO CRCKS & SPRDS NA	SF3	2	0	-	1.71	-8.3%	3	0.07	3751.1%
PETRO CRK&SPRD EURO	1NB	104	44.58	132.5%	92.14	12.5%	104	72.23	44.2%
PETRO CRK&SPRD EURO	1ND	0	0	-	0	-	1	0	-
PETRO CRK&SPRD EURO	43	32	15.58	107.9%	12.38	161.5%	22	11.19	98.2%
PETRO CRK&SPRD EURO	BFR	0	0	-	0	-	0	0	-
PETRO CRK&SPRD EURO	BOB	129	106.37	21.4%	77.19	67.3%	95	117.91	-19.5%
PETRO CRK&SPRD EURO	EGB	0	0	-	0	-	0	0	-

## NYMEX/COMEX Exchange ADV Report - Monthly

April 2018

Page 12 of 20

Commodity		ADV APR 2018	ADV APR 2017	% CHG	ADV MAR 2018	% CHG	ADV Y.T.D 2018	ADV Y.T.D 2017	% CHG
<b>Energy Futures</b>									
PETRO CRK&SPRD EURO	EGN	0	0	-	0	-	0	0	-
PETRO CRK&SPRD EURO	EOB	0	0	-	0.71	-100.0%	1	0.84	56.9%
PETRO CRK&SPRD EURO	EPN	36	14.84	145.4%	58.71	-38.0%	51	18.89	169.2%
PETRO CRK&SPRD EURO	EVC	80	120.63	-33.7%	84.57	-5.4%	95	159.04	-40.0%
PETRO CRK&SPRD EURO	FVB	0	0	-	0	-	0	0	-
PETRO CRK&SPRD EURO	GCB	10	0	-	0	-	5	4.94	-7.4%
PETRO CRK&SPRD EURO	GOC	0	0	-	0.71	-100.0%	1	0.43	137.1%
PETRO CRK&SPRD EURO	MGB	0	0	-	3.81	-100.0%	1	0.86	12.9%
PETRO CRK&SPRD EURO	MUD	0	8.42	-100.0%	1.1	-100.0%	2	7.98	-81.2%
PETRO CRK&SPRD EURO	NBB	3	1.37	129.7%	0	-	1	0.79	48.2%
PETRO CRK&SPRD EURO	NOB	79	61.58	27.7%	63.05	24.8%	86	55.53	55.3%
PETRO CRK&SPRD EURO	SFB	1	1.32	8.6%	0	-	0	1.91	-80.9%
PETROLEUM PRODUCTS	EWB	0	0	-	0	-	0	0	-
PETROLEUM PRODUCTS	EWG	152	160.95	-5.6%	163.52	-7.1%	271	161.69	67.4%
PETROLEUM PRODUCTS	MBS	0	0	-	0	-	0	0.99	-100.0%
PETROLEUM PRODUCTS	MGS	0	0	-	0	-	0	0	-
PETROLEUM PRODUCTS	MME	0	0	-	0	-	0	0	-
PETROLEUM PRODUCTS	MPE	0	0	-	0	-	0	0	-
PETROLEUM PRODUCTS	VU	29	10.53	172.8%	0	-	7	8.69	-15.4%
PETROLEUM PRODUCTS ASIA	E6M	1	2.47	-42.2%	0	-	5	0.77	495.9%
PETROLEUM PRODUCTS ASIA	MJN	128	107.58	19.4%	76.43	68.0%	116	91.8	26.0%
PETROLEUM PRODUCTS ASIA	MSB	0	0	-	0	-	0	0.31	-100.0%
PETRO OUTRIGHT EURO	0B	0	0	-	0	-	1	0.53	14.9%
PETRO OUTRIGHT EURO	0C	0	0	-	0	-	0	0	-
PETRO OUTRIGHT EURO	0D	89	94.05	-5.9%	55.33	60.0%	59	131.38	-55.1%
PETRO OUTRIGHT EURO	0E	5	29	-82.1%	0	-	1	32.32	-95.5%
PETRO OUTRIGHT EURO	0F	32	93.68	-66.3%	28.19	12.0%	30	71.89	-58.7%
PETRO OUTRIGHT EURO	1T	0	0.63	-100.0%	0	-	0	0.59	-69.1%
PETRO OUTRIGHT EURO	33	0	0	-	0	-	0	0.99	-100.0%
PETRO OUTRIGHT EURO	5L	2	1.58	38.7%	0	-	1	4.12	-73.7%
PETRO OUTRIGHT EURO	63	3	5.53	-39.7%	0.24	1300.0%	1	5.7	-77.1%
PETRO OUTRIGHT EURO	6L	0	0	-	0	-	0	0.02	-100.0%
PETRO OUTRIGHT EURO	7I	17	2.63	560.5%	0	-	5	5.05	3.6%
PETRO OUTRIGHT EURO	7R	12	6.26	91.6%	6.9	73.8%	15	10.33	45.2%
PETRO OUTRIGHT EURO	88	2	0	-	0	-	1	0	-
PETRO OUTRIGHT EURO	CBB	0	0	-	1.67	-100.0%	1	0.52	29.4%

## NYMEX/COMEX Exchange ADV Report - Monthly

April 2018

Page 13 of 20

Commodity		ADV APR 2018	ADV APR 2017	% CHG	ADV MAR 2018	% CHG	ADV Y.T.D 2018	ADV Y.T.D 2017	% CHG
<b>Energy Futures</b>									
PETRO OUtright EURO	CGB	0	0	-	0	-	0	0	-
PETRO OUtright EURO	CPB	17	3.95	324.6%	39.33	-57.4%	30	20.9	45.1%
PETRO OUtright EURO	EFF	4	2.63	68.3%	0	-	1	3.33	-66.0%
PETRO OUtright EURO	EFM	0	8.74	-100.0%	0	-	0	3.65	-100.0%
PETRO OUtright EURO	ENS	0	0	-	0	-	1	0.74	-9.5%
PETRO OUtright EURO	ESB	0	0	-	0	-	0	0.07	-100.0%
PETRO OUtright EURO	EWN	25	60.26	-57.7%	28.86	-11.7%	34	38.51	-10.6%
PETRO OUtright EURO	FBD	0	0	-	0	-	0	0.25	-100.0%
PETRO OUtright EURO	MBB	1	0	-	0	-	2	1.48	32.5%
PETRO OUtright EURO	MBN	71	14.74	379.2%	78.67	-10.2%	67	31.09	115.7%
PETRO OUtright EURO	SMU	0	0	-	7.14	-100.0%	4	0	-
PETRO OUtright EURO	T0	0	0	-	0	-	0	1.36	-100.0%
PETRO OUtright EURO	ULB	0	0	-	0	-	0	4.63	-100.0%
PETRO OUtright EURO	V0	14	0	-	9.52	50.0%	12	1.85	545.3%
PETRO OUtright NA	FCB	2	1.68	41.4%	3.05	-21.9%	3	6.84	-55.6%
PETRO OUtright NA	FOM	0	1.58	-100.0%	0	-	0	0.49	-100.0%
PETRO OUtright NA	JE	0	0	-	1.14	-100.0%	1	0.22	278.7%
PETRO OUtright NA	JET	92	172.79	-46.9%	135.71	-32.5%	118	226.57	-47.9%
PETRO OUtright NA	JTB	33	0	-	39.29	-17.0%	30	0	-
PETRO OUtright NA	MBL	0	0	-	0.48	-100.0%	0	1.67	-92.7%
PETRO OUtright NA	MEN	19	41.95	-54.9%	19.19	-1.5%	15	37.62	-60.1%
PETRO OUtright NA	MEO	148	480.21	-69.2%	153.95	-3.8%	188	578.75	-67.5%
PETRO OUtright NA	MFD	0	0	-	0	-	0	0	-
PETRO OUtright NA	MMF	1	2.11	-54.8%	0.43	122.2%	1	4.48	-85.0%
PETRO OUtright NA	NYT	0	0	-	0	-	0	7.72	-100.0%
PJM AD HUB 5MW REAL TIME	V3	0	0	-	1,334.86	-100.0%	342	3,260.8	-89.5%
PJM AD HUB 5MW REAL TIME	Z9	0	134.21	-100.0%	114.9	-100.0%	92	230.99	-60.3%
PJM AECO DA OFF-PEAK	X1	0	0	-	0	-	0	0	-
PJM AECO DA PEAK	Y1	0	0	-	0	-	0	0	-
PJM APS ZONE DA OFF-PEAK	W4	0	0	-	0	-	0	0	-
PJM APS ZONE DA PEAK	S4	0	0	-	0	-	0	0	-
PJM ATSI ELEC	MOD	0	0	-	0	-	0	577.78	-100.0%
PJM ATSI ELEC	MPD	0	0	-	0	-	0	31.48	-100.0%
PJM BGE DA OFF-PEAK	R3	0	0	-	0	-	0	0	-
PJM BGE DA PEAK	E3	0	0	-	0	-	0	0	-
PJM COMED 5MW D AH O PK	D9	0	2,463.16	-100.0%	0	-	0	1,054.2	-100.0%

## NYMEX/COMEX Exchange ADV Report - Monthly

April 2018

Page 14 of 20

Commodity		ADV APR 2018	ADV APR 2017	% CHG	ADV MAR 2018	% CHG	ADV Y.T.D 2018	ADV Y.T.D 2017	% CHG
<b>Energy Futures</b>									
PJM COMED 5MW D AH PK	D8	0	134.21	-100.0%	0	-	0	57.72	-100.0%
PJM DAILY	JD	0	0	-	0	-	0	0	-
PJM DAYTON DA OFF-PEAK	R7	0	0	-	0	-	0	2,617.22	-100.0%
PJM DAYTON DA PEAK	D7	0	0	-	0	-	0	64.81	-100.0%
PJM JCPL DA OFF-PEAK	F2	0	0	-	0	-	0	0	-
PJM JCPL DA PEAK	J2	0	0	-	0	-	0	0	-
PJM NI HUB 5MW REAL TIME	B3	0	1,796.32	-100.0%	0	-	62	848.95	-92.7%
PJM NI HUB 5MW REAL TIME	B6	0	34,892.63	-100.0%	0	-	0	19,422.59	-100.0%
PJM NILL DA OFF-PEAK	L3	0	26,536.53	-100.0%	0	-	0	8,127	-100.0%
PJM NILL DA PEAK	N3	1	1,031.26	-99.9%	0	-	0	450.32	-99.9%
PJM OFF-PEAK LMP SWAP FUT	JP	0	0	-	0	-	0	0	-
PJM PPL DA OFF-PEAK	F5	0	0	-	0	-	0	0	-
PJM PPL DA PEAK	L5	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	1,505	0	-	0	-	956	92.59	932.7%
PJM WESTHDA PEAK	J4	81	46.32	74.8%	0	-	52	16.54	213.3%
PJM WESTH RT OFF-PEAK	N9	4,899	34,393.68	-85.8%	0	-	2,111	15,022.41	-85.9%
PJM WESTH RT PEAK	L1	470	1,674.58	-72.0%	425.9	10.2%	420	1,064.68	-60.5%
PLASTICS	PGP	11	38.05	-70.0%	11.9	-4.0%	19	26.15	-29.0%
PREMIUM UNLD 10P FOB MED	3G	1	0.53	35.7%	12.62	-94.3%	16	2.85	467.0%
PREMIUM UNLEAD 10PPM FOB	8G	0	0.74	-100.0%	0.48	-100.0%	2	0.43	365.7%
PREM UNL GAS 10PPM RDAM FOB BALMO	7N	0	0	-	0	-	1	0.09	1029.2%
PREM UNL GAS 10PPM RDAM FOB SWAP	7L	0	0	-	0	-	0	0.4	-69.1%
PROPANE NON-LDH MB (OPIS) BALMO SWP	1S	23	6.42	261.2%	49.29	-52.9%	27	42.6	-35.6%
PROPANE NON-LDH MT. BEL (OPIS) SWP	1R	608	274.68	121.5%	706.9	-13.9%	521	452.72	15.0%
RBOB CALENDAR SWAP	RL	264	381.74	-30.9%	194.29	35.9%	213	362.89	-41.2%
RBOB CRACK SPREAD	RM	90	18.95	376.5%	25.81	249.8%	54	24.43	123.0%
RBOB CRACK SPREAD BALMO S	1E	0	0	-	0	-	0	0	-
RBOB GASOLINE BALMO CLNDR	1D	179	24.79	622.1%	29.33	510.2%	64	29.79	115.4%
RBOB PHY	RBL	0	0	-	0	-	0	0	-
RBOB SPREAD (PLATTS) SWAP	RI	0	0	-	0	-	0	0	-
RBOB VS HEATING OIL SWAP	RH	29	32.89	-13.1%	7.14	300.0%	14	118.33	-88.1%
SAN JUAN BASIS SWAP	NJ	0	11.26	-100.0%	0	-	0	2.64	-85.7%
SAN JUAN PIPE SWAP	XX	17	0	-	0	-	4	0	-
SINGAPORE 180CST BALMO	BS	3	5.79	-49.0%	1.19	148.0%	2	2.99	-25.7%

## NYMEX/COMEX Exchange ADV Report - Monthly

April 2018

Page 15 of 20

Commodity		ADV APR 2018	ADV APR 2017	% CHG	ADV MAR 2018	% CHG	ADV Y.T.D 2018	ADV Y.T.D 2017	% CHG
<b>Energy Futures</b>									
SINGAPORE 380CST BALMO	BT	6	16.16	-64.6%	6.33	-9.8%	5	10.46	-52.3%
SINGAPORE 380CST FUEL OIL	SE	448	509.47	-12.0%	354.24	26.6%	336	620.38	-45.9%
SINGAPORE FUEL 180CST CAL	UA	63	68.79	-8.3%	26	142.5%	41	66.63	-38.4%
SINGAPORE FUEL OIL SPREAD	SD	73	35.68	103.5%	76.38	-4.9%	50	44.36	13.8%
SINGAPORE GASOIL	MTB	0	6.58	-100.0%	9.05	-100.0%	3	8.06	-59.5%
SINGAPORE GASOIL	MTS	245	221	10.6%	258.62	-5.5%	248	255.05	-2.8%
SINGAPORE GASOIL	STZ	7	0	-	7.14	0.0%	52	4.94	961.9%
SINGAPORE GASOIL CALENDAR	GDH	0	0	-	0	-	1	0	-
SINGAPORE GASOIL CALENDAR	GDL	0	0	-	0	-	3	0	-
SINGAPORE GASOIL CALENDAR	GHS	0	0	-	0	-	0	0	-
SINGAPORE GASOIL CALENDAR	MGO	0	0	-	0	-	2	0	-
SINGAPORE GASOIL CALENDAR	MSG	8	21.05	-63.8%	5.24	45.5%	48	19.43	145.9%
SINGAPORE GASOIL CALENDAR	SGG	0	0	-	0	-	4	0	-
SINGAPORE GASOIL SWAP	SG	269	460.37	-41.7%	62.62	328.9%	258	554.94	-53.5%
SINGAPORE GASOIL VS ICE	GA	444	255.53	73.8%	705.48	-37.1%	903	546.6	65.2%
SINGAPORE JET KERO BALMO	BX	0	0	-	0	-	2	3.17	-36.6%
SINGAPORE JET KERO GASOIL	RK	56	119.74	-53.3%	115.48	-51.5%	235	118.27	99.0%
SINGAPORE JET KEROSENE SW	KS	58	59.21	-2.7%	26.9	114.2%	59	71.22	-17.0%
SINGAPORE JET KERO VS. GASOIL BALMO	Z0	0	0	-	0	-	0	0	-
SINGAPORE MOGAS 92 UNLEADED BALMO	1P	14	16.58	-13.8%	10.71	33.3%	20	5.21	289.3%
SINGAPORE MOGAS 92 UNLEADED SWP	1N	527	403.63	30.5%	640.52	-17.8%	777	426.48	82.2%
SINGAPORE NAPHTHA SWAP	SP	0	0	-	0	-	2	0	-
SING FUEL	MSD	3	0.53	397.6%	0	-	1	0.43	55.2%
SOCAL PIPE SWAP	XN	0	0	-	0	-	0	0	-
SONAT BASIS SWAP FUTURE	SZ	0	0	-	0	-	0	0	-
SOUTH STAR TEX OKLHM KNS	8Z	0	0	-	0	-	0	0	-
Sumas Basis Swap	NK	0	36.95	-100.0%	0	-	1	45.14	-97.5%
SUMAS NAT GAS PLATTS FIXED PRICE	DVS	0	0	-	0	-	0	0	-
TC2 ROTTERDAM TO USAC 37K	TM	1	0	-	8.19	-82.6%	7	0	-
TC5 RAS TANURA TO YOKOHAM	TH	1	0	-	0.95	0.0%	3	0	-
TCO BASIS SWAP	TC	0	256.21	-100.0%	0	-	0	89.09	-100.0%
TCO NG INDEX SWAP	Q1	0	0	-	0	-	0	0	-
TD3 MEG TO JAPAN 250K MT	TL	8	0	-	49.05	-84.5%	24	0	-
TENNESSEE 500 LEG BASIS S	NM	0	0	-	0	-	0	5.28	-100.0%
TENNESSEE 800 LEG NG BASI	6Z	0	0	-	0	-	0	0	-
TENNESSEE ZONE 0 BASIS SW	NQ	0	0	-	0	-	0	0	-

## NYMEX/COMEX Exchange ADV Report - Monthly

April 2018

Page 16 of 20

Commodity		ADV APR 2018	ADV APR 2017	% CHG	ADV MAR 2018	% CHG	ADV Y.T.D 2018	ADV Y.T.D 2017	% CHG
<b>Energy Futures</b>									
TETCO M-3 INDEX	IX	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	93.17	-100.0%
TEXAS GAS ZONE1 NG BASIS	9F	0	0	-	0	-	0	0	-
Transco Zone 3 Basis	CZ	0	15.89	-100.0%	0	-	0	3.73	-100.0%
TRANSCO ZONE 3 NG INDEX S	Y6	0	329.26	-100.0%	0	-	0	77.23	-100.0%
TRANSCO ZONE4 BASIS SWAP	TR	0	21.21	-100.0%	0	-	0	72.73	-100.0%
TRANSCO ZONE 4 NAT GAS IN	B2	0	24.47	-100.0%	0	-	0	5.74	-100.0%
TRANSCO ZONE 6 BASIS SWAP	NZ	0	0	-	0	-	0	35.43	-100.0%
TRANSCO ZONE 6 INDEX	IT	0	0	-	0	-	0	10.57	-100.0%
UCM FUT	UCM FUT	0	1.05	-100.0%	0.95	-100.0%	1	1	-39.0%
ULSD 10PPM CIF MED SWAP	Z6	0	0.79	-100.0%	0	-	0	0.31	-100.0%
ULSD 10PPM CIF MED VS ICE	Z7	0	0.79	-100.0%	0	-	0	0.26	-34.2%
ULSD 10PPM CIF NW BALMO S	B1	0	0	-	0	-	0	0	-
ULSD UP-DOWN BALMO SWP	1L	263	142.89	84.1%	166.67	57.9%	241	211.17	14.1%
UP DOWN GC ULSD VS NMX HO	LT	1,269	1,721.58	-26.3%	1,472.67	-13.8%	1,693	2,141.7	-20.9%
WAHA BASIS	NW	40	7.95	402.7%	0	-	36	10.89	227.6%
WAHA INDEX SWAP FUTURE	IY	0	0	-	0	-	0	0	-
WESTERN RAIL DELIVERY PRB	QP	0	10.26	-100.0%	0	-	0	9.07	-98.0%
WTI-BRENT BULLET SWAP	BY	300	0	-	0	-	77	4.99	1440.4%
WTI-BRENT CALENDAR SWAP	BK	1,708	272.89	525.8%	1,656.95	3.1%	1,856	405.15	358.0%
WTI CALENDAR	CS	2,053	1,930.37	6.4%	1,409.57	45.6%	1,873	1,845.05	1.5%
WTS (ARGUS) VS WTI SWAP	FF	175	330	-47.1%	516.1	-66.1%	437	205.67	112.7%
WTS (ARGUS) VS WTI TRD MT	FH	50	0	-	3.43	1358.3%	16	29.75	-47.9%
<b>Energy Options</b>									
12 MO GASOIL CAL SWAP SPR	GXZ	0	0	-	0	-	0	0	-
BRENT 1 MONTH CAL	AA	0	0	-	0	-	37	0	-
BRENT CALENDAR SWAP	BA	0	1.05	-100.0%	0	-	14	24.47	-43.2%
BRENT CRUDE OIL 12 M CSO	9Y	0	0	-	0	-	24	0	-
BRENT CRUDE OIL 1 M CSO	9C	6,312	0	-	5,819.05	8.5%	3,107	0	-
BRENT CRUDE OIL 6 M CSO	9L	48	0	-	0	-	12	0	-
BRENT OIL LAST DAY	BE	2,445	451.16	442.0%	1,562.62	56.5%	1,051	181.23	479.8%
BRENT OIL LAST DAY	BZO	6,257	843.84	641.4%	5,949.62	5.2%	5,547	911.79	508.4%

## NYMEX/COMEX Exchange ADV Report - Monthly

April 2018

Page 17 of 20

Commodity		ADV APR 2018	ADV APR 2017	% CHG	ADV MAR 2018	% CHG	ADV Y.T.D 2018	ADV Y.T.D 2017	% CHG
<b>Energy Options</b>									
BRENT OIL LAST DAY	OS	0	0	-	0	-	13	12.94	-2.0%
COAL API2 INDEX	CLA	11	76.05	-85.9%	50.24	-78.7%	36	65.81	-45.1%
COAL API2 INDEX	CQA	19	0	-	13.1	45.5%	13	7.16	78.8%
COAL API2 INDEX	MTC	0	0	-	0	-	0	0.62	-100.0%
COAL API4 INDEX	RLA	0	0	-	0	-	0	0	-
COAL API4 INDEX	RQA	0	0	-	0	-	1	0	-
COAL SWAP	CPF	0	0	-	0	-	0	1.73	-100.0%
COAL SWAP	RPF	0	0	-	0	-	0	1.05	-100.0%
CRUDE OIL 1MO	WA	11,918	6,514.21	83.0%	4,345.24	174.3%	9,162	8,194.48	11.8%
CRUDE OIL APO	AO	2,712	2,117.26	28.1%	3,166.76	-14.4%	2,792	1,702.69	64.0%
CRUDE OIL CALNDR STRIP	6F	8	0	-	0	-	2	0	-
CRUDE OIL OUTRIGHTS	AH	0	0	-	0	-	0	0	-
CRUDE OIL OUTRIGHTS	DBP	0	0	-	0	-	0	0	-
CRUDE OIL OUTRIGHTS	WCI	0	0	-	0	-	0	0	-
CRUDE OIL PHY	CD	183	59.74	206.9%	44.05	316.2%	86	80.99	5.8%
CRUDE OIL PHY	LC	647	1,941.58	-66.7%	448.76	44.2%	650	1,653.57	-60.7%
CRUDE OIL PHY	LO	177,134	209,426.21	-15.4%	159,774.86	10.9%	181,925	183,315.25	-0.8%
CRUDE OIL PHY	LO1	691	537.63	28.5%	308.24	124.2%	587	454.42	29.3%
CRUDE OIL PHY	LO2	860	337.53	154.9%	333.76	157.8%	675	398.57	69.4%
CRUDE OIL PHY	LO3	801	709.37	12.9%	339.9	135.7%	584	364.57	60.3%
CRUDE OIL PHY	LO4	872	1,059.84	-17.7%	774.57	12.6%	706	573.02	23.2%
CRUDE OIL PHY	LO5	0	0	-	632.24	-100.0%	162	168.31	-3.8%
ELEC MISO PEAK	9T	0	0	-	0	-	0	10.12	-100.0%
ETHANOL	CE1	8	0.79	955.5%	4.76	75.0%	3	0.8	317.9%
ETHANOL	CE3	0	0	-	0	-	0	3.7	-100.0%
ETHANOL SWAP	CVR	350	283.95	23.4%	340.52	2.9%	389	267.99	45.0%
ETHANOL SWAP	GVR	29	27.11	5.4%	3.71	669.2%	21	9.51	115.9%
EUROPEAN JET KEROSENE NWE (PLATTS)	30	0	0	-	0	-	0	0	-
GASOLINE	GCE	0	0	-	0	-	0	0	-
HEATING OIL CRACK OPTIONS	CH	0	0	-	0	-	0	0	-
HEATING OIL CRK SPD AVG PRICE OPTION	3W	0	0	-	0	-	0	0	-
HEATING OIL PHY	LB	0	0	-	0	-	0	11.11	-100.0%
HEATING OIL PHY	OH	1,216	1,399.21	-13.1%	1,120.29	8.6%	1,640	1,305.47	25.7%
HENRY HUB FINANCIAL LAST	E7	66	183.16	-64.0%	79.57	-17.1%	176	199.27	-11.6%
HO 1 MONTH CLNDR OPTIONS	FA	0	68.42	-100.0%	0	-	0	16.05	-100.0%
LLS CRUDE OIL	WJO	0	0	-	0	-	1	62.96	-98.1%

## NYMEX/COMEX Exchange ADV Report - Monthly

April 2018

Page 18 of 20

Commodity	ADV APR 2018	ADV APR 2017	% CHG	ADV MAR 2018	% CHG	ADV Y.T.D 2018	ADV Y.T.D 2017	% CHG	
<b>Energy Options</b>									
LLS CRUDE OIL	YVO	0	0	-	0	-	0	0	-
MCCLOSKY ARA ARG5 COAL	MTO	0	0	-	0	-	1	6.67	-83.5%
MCCLOSKY RCH BAY COAL	MFO	10	0	-	32.14	-70.4%	21	0	-
NATURAL GAS	G10	0	13.16	-100.0%	0	-	0	3.09	-100.0%
NATURAL GAS 1 M CSO FIN	G4	7	5,773.68	-99.9%	0	-	2,594	2,045.68	26.8%
NATURAL GAS 2 M CSO FIN	G2	0	0	-	0	-	0	33.95	-100.0%
NATURAL GAS 3 M CSO FIN	G3	372	302.63	23.0%	1.43	25949.5%	174	242.59	-28.1%
NATURAL GAS 5 M CSO FIN	G5	52	43.42	20.6%	69.05	-24.1%	31	50	-37.8%
NATURAL GAS 6 M CSO FIN	G6	48	0	-	1,152.38	-95.9%	776	418.15	85.6%
NATURAL GAS OPTION ON CALENDAR STR	6J	218	6.32	3356.2%	62.86	247.3%	224	46.91	378.5%
NATURAL GAS PHY	KD	876	1,540.32	-43.1%	524.57	67.0%	1,117	1,468.88	-23.9%
NATURAL GAS PHY	LN	60,721	98,621.79	-38.4%	51,636.9	17.6%	101,757	112,772.88	-9.8%
NATURAL GAS PHY	ON	5,385	8,293.74	-35.1%	4,368.81	23.3%	8,993	10,318.54	-12.8%
N ROCKIES PIPE SWAP	ZR	0	23.68	-100.0%	0	-	0	18.59	-100.0%
NY HARBOR HEAT OIL SWP	AT	88	167.89	-47.4%	108.9	-18.8%	143	151.15	-5.3%
NYISO ZONE G 5MW PEAK OPTIONS	9U	0	0	-	0	-	0	244.81	-100.0%
NYMEX EUROPEAN GASOIL APO	F7	0	0	-	0	-	0	0	-
PANHANDLE PIPE SWAP	PU	0	0	-	0	-	0	35.56	-100.0%
PETROCHEMICALS	4H	24	27.11	-12.2%	0	-	26	28.36	-8.3%
PETROCHEMICALS	4J	0	13.42	-100.0%	0	-	16	26.91	-38.8%
PETROCHEMICALS	4K	0	0	-	0	-	0	0	-
PETROCHEMICALS	CPR	0	0.95	-100.0%	0	-	0	0.22	-100.0%
PETRO OUTRIGHT EURO	8H	0	0	-	0	-	0	3.7	-100.0%
PETRO OUTRIGHT NA	DAP	0	0	-	0	-	0	0	-
PJM WES HUB PEAK CAL MTH	6OA	8	25.26	-68.0%	2.86	183.3%	3	31.36	-90.3%
PJM WES HUB PEAK CAL MTH	JOA	0	0	-	0	-	11	0	-
PJM WES HUB PEAK LMP 50MW	PMA	61	92.21	-33.8%	36.38	67.8%	52	122.46	-57.4%
RBOB 1MO CAL SPD OPTIONS	ZA	0	0	-	14.29	-100.0%	6	0	-
RBOB CALENDAR SWAP	RA	22	24.21	-9.5%	7.14	206.7%	11	25	-55.6%
RBOB PHY	OB	398	1,887.79	-78.9%	400.57	-0.7%	566	1,155.38	-51.0%
RBOB PHY	RF	0	0	-	0	-	2	0.74	105.8%
ROTTERDAM 3.5%FUEL OIL CL	Q6	0	0	-	0	-	0	0	-
SAN JUAN PIPE SWAP	PJ	43	14.21	201.6%	0	-	11	11.11	-1.2%
SHORT TERM	U11	0	21.05	-100.0%	0	-	4	14.44	-74.7%
SHORT TERM	U12	15	17.11	-9.5%	0	-	7	11.36	-42.6%
SHORT TERM	U13	5	2.63	81.0%	0	-	1	12.04	-89.9%

## NYMEX/COMEX Exchange ADV Report - Monthly

April 2018

Page 19 of 20

Commodity		ADV APR 2018	ADV APR 2017	% CHG	ADV MAR 2018	% CHG	ADV Y.T.D 2018	ADV Y.T.D 2017	% CHG
<b>Energy Options</b>									
SHORT TERM	U14	0	0	-	0	-	8	9.88	-21.6%
SHORT TERM	U15	0	0	-	11.9	-100.0%	3	19.94	-83.2%
SHORT TERM	U22	0	0	-	0	-	13	5.56	125.0%
SHORT TERM	U23	12	0	-	7.14	66.7%	7	7.65	-7.6%
SHORT TERM	U24	0	38.42	-100.0%	0	-	1	15.19	-92.0%
SHORT TERM	U25	0	0	-	0	-	0	1.23	-100.0%
SHORT TERM	U26	14	1.05	1257.2%	0	-	4	0.25	1381.2%
SHORT TERM NATURAL GAS	U01	0	22.37	-100.0%	0	-	2	14.2	-89.3%
SHORT TERM NATURAL GAS	U02	0	0	-	24.76	-100.0%	12	10.56	12.6%
SHORT TERM NATURAL GAS	U03	0	0	-	0	-	2	10.99	-85.6%
SHORT TERM NATURAL GAS	U04	0	6.58	-100.0%	0	-	3	2.47	23.5%
SHORT TERM NATURAL GAS	U05	10	28.95	-67.1%	0	-	8	7.41	2.9%
SHORT TERM NATURAL GAS	U06	21	31.58	-32.1%	0	-	5	55.56	-90.1%
SHORT TERM NATURAL GAS	U07	0	26.32	-100.0%	0	-	3	20.68	-85.3%
SHORT TERM NATURAL GAS	U08	0	0	-	0	-	15	22.84	-34.6%
SHORT TERM NATURAL GAS	U09	22	0	-	4.76	358.0%	9	17.04	-47.5%
SHORT TERM NATURAL GAS	U10	5	15.79	-69.8%	0	-	2	45.68	-94.7%
SHORT TERM NATURAL GAS	U16	0	0	-	2.38	-100.0%	7	4.94	44.5%
SHORT TERM NATURAL GAS	U17	14	0	-	0	-	6	14.26	-55.5%
SHORT TERM NATURAL GAS	U18	0	0	-	0	-	6	0	-
SHORT TERM NATURAL GAS	U19	6	0	-	0	-	2	9.94	-77.3%
SHORT TERM NATURAL GAS	U20	0	2.63	-100.0%	0	-	0	18.83	-100.0%
SHORT TERM NATURAL GAS	U21	0	13.16	-100.0%	0	-	0	8.21	-100.0%
SHORT TERM NATURAL GAS	U27	7	6.32	13.1%	9.52	-25.0%	5	23.09	-78.9%
SHORT TERM NATURAL GAS	U28	0	2.37	-100.0%	0	-	1	3.02	-59.7%
SHORT TERM NATURAL GAS	U29	0	0	-	9.52	-100.0%	4	0	-
SHORT TERM NATURAL GAS	U30	0	0	-	0	-	1	8.15	-85.0%
SHORT TERM NATURAL GAS	U31	0	0	-	0	-	0	41.79	-99.3%
SINGAPORE GASOIL CALENDAR	M2	0	0	-	0	-	0	0	-
SINGAPORE JET FUEL CALEND	N2	0	0	-	0	-	0	0	-
SOCAL PIPE SWAP	ZN	0	0	-	0	-	0	0	-
WTI-BRENT BULLET SWAP	BV	6,703	1,645.95	307.2%	7,469.43	-10.3%	6,421	2,359.67	172.1%
WTI CRUDE OIL 1 M CSO FI	7A	5,595	1,431.58	290.8%	4,125	35.6%	3,915	2,460.49	59.1%

## NYMEX/COMEX Exchange ADV Report - Monthly

April 2018

Page 20 of 20

Commodity	ADV APR 2018	ADV APR 2017	% CHG	ADV MAR 2018	% CHG	ADV Y.T.D 2018	ADV Y.T.D 2017	% CHG	
<b>Ag Products Futures</b>									
COCOA TAS	0	0.16	50.8%	0	-	0	0.65	-90.7%	
COFFEE	0	1.05	-100.0%	0	-	0	0.25	-100.0%	
COTTON	0	0.05	-100.0%	0	-	0	0.05	-50.6%	
SUGAR 11	3	0	-	0	-	1	0.22	218.3%	
<b>TOTAL FUTURES GROUP</b>									
Ag Products Futures	3	1.26	137.5%	0	-	1	1.17	-32.4%	
Energy Futures	2,317,072	2,192,079.21	5.7%	2,095,902.43	10.6%	2,380,612	2,169,697.79	9.7%	
Metals Futures	625,125	499,844.05	25.1%	629,731.05	-0.7%	647,889	475,191.19	36.3%	
<b>TOTAL FUTURES</b>	<b>2,942,200</b>	<b>2,691,924.53</b>	<b>9.3%</b>	<b>2,725,633.48</b>	<b>7.9%</b>	<b>3,028,502.62</b>	<b>2,644,890.15</b>	<b>14.5%</b>	
<b>TOTAL OPTIONS GROUP</b>									
Energy Options	293,350	346,223.74	-15.3%	255,194.57	15.0%	336,429	334,519.67	0.6%	
Metals Options	57,211	48,623.42	17.7%	53,660.57	6.6%	57,160	45,111.67	26.7%	
<b>TOTAL OPTIONS</b>	<b>350,561</b>	<b>394,847.16</b>	<b>-11.2%</b>	<b>308,855.14</b>	<b>13.5%</b>	<b>393,588.57</b>	<b>379,631.33</b>	<b>3.7%</b>	
<b>TOTAL COMBINED</b>									
Metals	682,336	548,467.47	24.4%	683,391.62	-0.2%	705,049	520,302.85	35.5%	
Energy	2,610,422	2,538,302.95	2.8%	2,351,097	11.0%	2,717,041	2,504,217.46	8.5%	
Ag Products	3	1.26	137.5%	0	-	1	1.17	-32.4%	
<b>GRAND TOTAL</b>	<b>3,292,761</b>	<b>3,086,771.68</b>	<b>6.7%</b>	<b>3,034,488.62</b>	<b>8.5%</b>	<b>3,422,091.2</b>	<b>3,024,521.48</b>	<b>13.1%</b>	