

NYMEX/COMEX Exchange ADV Report - Monthly

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Commodity		ADV OCT 2019	ADV OCT 2018	% CHG	ADV SEP 2019	% CHG	ADV Y.T.D 2019	ADV Y.T.D 2018	% CHG
Metals Futures									
COMEX GOLD	GC	348,528	281,314.91	23.9%	429,143.25	-18.8%	342,119	330,892.61	3.4%
NYMEX HOT ROLLED STEEL	HR	635	420.22	51.2%	460	38.1%	731	475.73	53.7%
NYMEX PLATINUM	PL	17,753	16,683.48	6.4%	36,958.4	-52.0%	23,102	21,766.75	6.1%
PALLADIUM	PA	3,945	5,043.61	-21.8%	4,007.6	-1.6%	4,988	5,737.98	-13.1%
URANIUM	UX	0	35.96	-100.0%	60.85	-100.0%	50	20.28	147.7%
COMEX SILVER	SI	78,718	77,979.74	0.9%	128,993.65	-39.0%	96,076	96,622.3	-0.6%
COMEX E-Mini GOLD	QO	1,146	489.13	134.3%	1,616.95	-29.1%	962	390.06	146.6%
COMEX E-Mini SILVER	QI	159	40.7	291.3%	373.05	-57.3%	213	54.54	291.5%
COMEX COPPER	HG	72,781	114,167.48	-36.3%	74,569.7	-2.4%	95,860	136,290.25	-29.7%
COMEX MINY COPPER	QC	24	18.04	31.1%	37.15	-36.3%	31	21.78	44.3%
ALUMINUM	A38	0	3.13	-100.0%	0	-	0	0.34	-69.4%
ALUMINUM	AEP	276	105.43	161.4%	86.9	217.2%	104	69.81	48.6%
ALUMINUM	ALA	16	1.74	800.0%	15.25	2.6%	4	26.14	-83.3%
ALUMINUM	ALI	141	0	-	163.2	-13.6%	47	0	-
ALUMINUM	AUP	442	374.04	18.2%	229.65	92.6%	297	414.04	-28.3%
ALUMINUM	CUP	0	0	-	0	-	0	0.97	-100.0%
ALUMINUM	EDP	221	163.91	35.0%	4.9	4414.6%	103	73.42	40.4%
ALUMINUM	MJP	30	70.43	-57.4%	72	-58.3%	49	56.09	-13.2%
COPPER	HGS	99	113.52	-12.7%	50.35	96.9%	44	70.36	-37.1%
E-MICRO GOLD	MGC	35,348	10,738.96	229.2%	36,132.95	-2.2%	21,341	7,032.58	203.5%
FERROUS PRODUCTS	BUS	32	104.65	-69.5%	70.15	-54.6%	52	80.98	-36.0%
GOLD	SGC	417	0	-	0	-	45	0	-
GOLD	SGU	265	0	-	0	-	29	0	-
Gold Kilo	GCK	0	0	-	0	-	0	0.64	-100.0%
IRON ORE 62 CHINA PLATTS FUTURES	PIO	0	0	-	0	-	0	0	-
IRON ORE 62 CHINA TSI FUTURES	TIO	85	208.35	-59.1%	147.2	-42.1%	240	178.92	34.1%
LNDN ZINC	ZNC	0	200.04	-100.0%	0	-	6	49.97	-88.3%
SILVER	SIL	1,749	412.78	323.7%	2,851.9	-38.7%	1,290	366.55	251.9%
Metals Options									
COMEX COPPER	HX	2,418	1,990.13	21.5%	2,928.9	-17.4%	2,816	1,351.97	108.3%
COMEX GOLD	OG	51,930	51,016.22	1.8%	72,131	-28.0%	62,730	46,878.59	33.8%
COMEX SILVER	SO	7,419	6,371.61	16.4%	16,272.65	-54.4%	8,946	7,409.71	20.7%
COPPER	H1E	4	0.52	658.3%	2	97.8%	2	0.22	876.3%

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Metals Options									
COPPER	H2E	7	1	639.1%	2.1	252.0%	4	0.64	486.7%
COPPER	H3E	16	0.26	5866.0%	24.85	-37.4%	5	0.51	819.6%
COPPER	H4E	8	0	-	0.55	1346.6%	1	0.8	82.8%
COPPER	H5E	0	0	-	0	-	0	0.06	709.5%
GOLD	OG1	2,839	788.78	260.0%	2,963.5	-4.2%	2,038	536.62	279.8%
GOLD	OG2	2,406	935.43	157.2%	2,369	1.6%	1,772	483.92	266.3%
GOLD	OG3	1,461	587.09	148.9%	2,624.8	-44.3%	1,401	516.62	171.2%
GOLD	OG4	912	311.61	192.7%	1,524.85	-40.2%	966	340.38	183.8%
GOLD	OG5	0	0	-	0	-	296	123.36	139.7%
HOT ROLLED COIL STEEL CALL OPTION	HRO	7	0	-	0	-	5	0	-
IRON ORE 62 CHINA TSI CALL OPTION	ICT	1	0	-	2	-34.8%	32	0.95	3314.9%
IRON ORE 62 CHINA TSI PUT OPTION	ICT	0	0	-	0	-	17	6.07	181.2%
NYMEX PLATINUM	PO	149	126.09	17.9%	173.2	-14.2%	167	190.04	-12.2%
PALLADIUM	PAO	70	47.74	46.4%	41.15	69.9%	59	131.45	-55.4%
SILVER	SO1	153	52.35	192.1%	244.8	-37.5%	96	23.59	306.4%
SILVER	SO2	144	45.04	218.6%	251.05	-42.8%	84	19.92	322.3%
SILVER	SO3	119	28.96	309.8%	141.15	-15.9%	75	28.55	161.7%
SILVER	SO4	35	16.74	106.5%	64.7	-46.6%	30	15.06	100.2%
SILVER	SO5	0	0	-	0	-	19	9.91	92.8%
Energy Futures									
CRUDE OIL PHY	CL	1,012,974	1,065,517.57	-4.9%	1,348,512	-24.9%	1,199,393	1,213,904.04	-1.2%
CRUDE OIL	WS	0	0	-	0	-	79	74.12	6.7%
MINY WTI CRUDE OIL	QM	19,873	20,433.87	-2.7%	30,319	-34.5%	22,761	16,394.39	38.8%
BRENT OIL LAST DAY	BZ	99,843	98,686.39	1.2%	120,669.5	-17.3%	104,712	84,808.52	23.5%
HEATING OIL PHY	HO	221,605	172,439.7	28.5%	195,834.45	13.2%	169,243	182,569.21	-7.3%
HTG OIL	BH	0	0.52	-100.0%	0	-	0	0.46	0.0%
MINY HTG OIL	QH	0	0.17	-25.0%	0.15	-13.1%	0	0.19	-20.0%
RBOB PHY	RB	166,629	201,143.57	-17.2%	205,582.45	-18.9%	202,978	200,262.78	1.4%
MINY RBOB GAS	QU	0	0.17	-25.0%	0.2	-34.8%	0	0.18	70.2%
NATURAL GAS	HP	4,966	4,634.57	7.2%	7,900.2	-37.1%	5,444	5,339.07	2.0%
LTD NAT GAS	HH	11,814	20,052.3	-41.1%	16,512.7	-28.5%	14,318	16,817.93	-14.9%
MINY NATURAL GAS	QG	2,471	2,055.3	20.2%	2,226.4	11.0%	1,552	1,302.72	19.1%

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Energy Futures									
PJM MONTHLY	JM	0	0	-	0	-	0	0	-
NATURAL GAS PHY	NG	477,007	533,212.65	-10.5%	494,665.7	-3.6%	398,562	436,897.91	-8.8%
RBOB GAS	RT	1	0.52	0.0%	0	-	0	68.18	-99.4%
3.5% FUEL OIL CID MED SWA	7D	0	1.74	-100.0%	0	-	0	2.9	-84.2%
3.5% FUEL OIL CIF BALMO S	8D	0	0	-	0	-	0	0.45	-78.9%
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	299	1,015.48	-70.5%	152.35	96.4%	395	1,055.9	-62.6%
ARGUS PROPAN FAR EST INDE	7E	245	340.39	-27.9%	338.3	-27.4%	295	284	3.9%
ARGUS PROPAN(SAUDI ARAMCO	9N	113	139.26	-19.1%	194.85	-42.2%	142	134.69	5.4%
AUSTRIALIAN COKE COAL	ACT	0	0	-	0	-	0	0.09	-100.0%
AUSTRIALIAN COKE COAL	ALW	0	0	-	0	-	0	0	-
BRENT BALMO SWAP	J9	9	0	-	22.4	-61.8%	9	1.35	587.7%
BRENT CALENDAR SWAP	CY	629	231	172.4%	74.9	740.1%	351	171.15	105.4%
BRENT CFD SWAP	6W	0	0	-	0	-	0	1.42	-100.0%
BRENT FINANCIAL FUTURES	BB	0	156.52	-100.0%	0	-	33	94.14	-64.8%
BRENT FINANCIAL FUTURES	MBC	4	0	-	30.6	-85.8%	7	0.6	1066.1%
BRENT FINANCIAL FUTURES	MDB	0	0	-	0	-	0	1.06	-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	0.17	-100.0%
CHICAGO ETHANOL SWAP	CU	3,736	3,382.43	10.4%	5,219.1	-28.4%	4,890	4,584.79	6.7%
CHICAGO ULSD PL VS HO SPR	5C	6	14.13	-56.6%	37	-83.4%	25	19.31	31.7%
CHICAGO UNL GAS PL VS RBO	3C	0	0	-	10	-100.0%	6	4.5	44.2%
CIG BASIS	CI	0	1.09	-100.0%	0	-	0	1.05	-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	9	36.78	-76.4%	18.9	-54.0%	23	56.1	-58.8%
CIN HUB 5MW REAL TIME O P	H4	0	0	-	0	-	19	0	-
CIN HUB 5MW REAL TIME PK	H3	0	0	-	0	-	2	7.13	-78.4%
COAL SWAP	ACM	0	0	-	0	-	0	2.42	-100.0%

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Energy Futures									
COLUMB GULF MAINLINE NG B	5Z	0	0	-	0	-	2	0	-
CONWAY NATURAL GASOLINE (OPIS) SWA	8L	3	4.96	-38.6%	24.45	-87.6%	11	8.24	35.9%
CONWAY NORMAL BUTANE (OPIS) SWAP	8M	20	3.91	400.0%	36.8	-46.8%	22	13.09	71.7%
CONWAY PROPANE 5 DECIMALS SWAP	8K	549	733.43	-25.1%	627.7	-12.5%	701	764.33	-8.2%
CRUDE OIL	LPS	167	150	11.6%	165	1.4%	141	215.09	-34.3%
CRUDE OIL OUTRIGHTS	42	11	9.7	16.6%	30.2	-62.6%	19	11.78	59.6%
CRUDE OIL OUTRIGHTS	CC5	22	9.13	142.9%	6	269.6%	18	1.42	1173.7%
CRUDE OIL OUTRIGHTS	CPD	0	0	-	0	-	0	14.01	-100.0%
CRUDE OIL OUTRIGHTS	CSW	2	0	-	0	-	15	10.83	41.7%
CRUDE OIL OUTRIGHTS	DBL	14	0	-	0	-	3	0.47	637.4%
CRUDE OIL OUTRIGHTS	GSW	0	0	-	0	-	1	0.5	167.6%
CRUDE OIL OUTRIGHTS	HTT	2,697	2,344.17	15.1%	2,760.9	-2.3%	2,729	2,329.14	17.2%
CRUDE OIL OUTRIGHTS	LSW	1	0.65	0.0%	0	-	15	1.59	850.1%
CRUDE OIL OUTRIGHTS	SSW	0	0	-	0	-	0	0	-
CRUDE OIL OUTRIGHTS	UMD	0	0	-	0	-	0	22.75	-100.0%
CRUDE OIL OUTRIGHTS	UNS	0	0	-	0	-	0	35.8	-100.0%
CRUDE OIL OUTRIGHTS	WCC	0	0	-	0	-	0	0	-
CRUDE OIL OUTRIGHTS	WCW	143	108.48	31.4%	112.9	26.2%	187	297.9	-37.3%
CRUDE OIL PHY	CLL	0	0	-	0	-	0	0	-
CRUDE OIL PHY	HCL	297	0	-	306.95	-3.2%	800	0	-
CRUDE OIL SPRDS	38	0	0	-	0	-	0	9.74	-100.0%
CRUDE OIL SPRDS	HIL	8	0	-	0	-	4	0	-
CRUDE OIL SPRDS	WTT	874	366.87	138.3%	809.25	8.0%	1,022	1,917.35	-46.7%
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	0	6.52	-100.0%	0	-	5	15.92	-70.2%
DIESEL 10P BRG FOB RDM VS	7X	0	0	-	0	-	0	0.02	-100.0%
DOMINION TRAN INC - APP I	IH	0	0	-	0	-	0	0	-
DOMINION TRANSMISSION INC	PG	0	0	-	0	-	0	0.6	-100.0%
DUBAI CRUDE OIL BALMO	BI	0	0	-	0	-	0	0.59	-100.0%
DUBAI CRUDE OIL CALENDAR	DC	0	2,059.57	-100.0%	7.6	-100.0%	84	400.48	-78.9%
DUTCH TTF NATURAL GAS CAL MONTH FUT	TTF	926	10.52	8698.4%	582.05	59.0%	482	68.23	606.0%
EASTERN RAIL DELIVERY CSX	QX	0	0	-	0	-	0	1.16	-100.0%
EAST/WEST FUEL OIL SPREAD	EW	0	0	-	0	-	0	0.89	-89.3%
EIA FLAT TAX ONHWAY DIESE	A5	1	13.39	-90.6%	29.8	-95.8%	16	13.54	18.5%
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	92.89	-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	0	-	0	-	0	9.24	-100.0%
ERCOT NORTH ZMCPE 5MW OFFPEAK	I8	0	0	-	0	-	0	0	-
ERCOT NORTH ZMCPE 5MW OFFPEAK SWA	I6	0	0	-	0	-	0	92.89	-100.0%
ERCOT NORTH ZMCPE 5MW PEAK	I5	0	0	-	0	-	0	23.93	-100.0%
ETHANOL	MTH	0	0	-	0	-	0	0	-
ETHANOL	Z1B	0	0	-	0	-	0	0	-
ETHANOL SWAP	MT2	5	3.04	71.4%	11	-52.6%	4	1.9	122.5%
ETHANOL T2 FOB ROTT INCL DUTY SWAP	Z1	270	217.22	24.2%	140.4	92.1%	168	148.58	13.1%
EURO 1% FUEL OIL NEW BALM	KX	0	0	-	0	-	0	0.16	-90.9%
EURO 3.5% FUEL OIL RDAM B	KR	1	7.04	-92.0%	7.8	-92.8%	2	25.78	-91.3%
EURO 3.5% FUEL OIL SPREAD	FK	1	0.26	316.6%	0	-	1	3.98	-79.5%
EURO-DENOMINATED PETRO PROD	NCP	0	0	-	0	-	0	3.03	-100.0%
EURO GASOIL 10PPM VS ICE	ET	0	0	-	0	-	0	1.75	-100.0%
EUROPE 1% FUEL OIL NWE CA	UF	5	2.61	96.7%	3.15	62.9%	3	2.02	51.2%

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Energy Futures									
EUROPE 1% FUEL OIL RDAM C	UH	0	0	-	0	-	0	0.01	-100.0%
EUROPE 3.5% FUEL OIL MED	UI	0	6.91	-100.0%	0	-	2	4.68	-61.0%
EUROPE 3.5% FUEL OIL RDAM	UV	27	144.91	-81.4%	40.15	-32.9%	45	350.19	-87.2%
EUROPEAN GASOIL (ICE)	7F	6	58.87	-89.7%	9.4	-35.2%	5	26.9	-79.8%
EUROPEAN NAPHTHA BALMO	KZ	2	19.43	-92.2%	2.75	-44.7%	7	13.53	-49.8%
EUROPEAN NAPHTHA CRACK SPR	EN	60	693.83	-91.4%	91.55	-34.8%	178	449.61	-60.5%
EUROPE DATED BRENT SWAP	UB	0	48.26	-100.0%	0	-	8	10.43	-25.8%
EUROPE JET KERO NWE CALSW	UJ	0	0	-	0.15	-100.0%	0	0.18	-79.5%
EUROPE NAPHTHA CALSWAP	UN	12	226.26	-94.9%	42.45	-72.6%	78	168.21	-53.5%
EURO PROPANE CIF ARA SWA	PS	79	126.7	-37.5%	84.55	-6.4%	90	86.57	4.1%
FREIGHT MARKETS	ACB	26	0	-	0	-	5	0	-
FREIGHT MARKETS	FLP	4	24.57	-85.5%	1.2	197.1%	7	8.76	-19.3%
FREIGHT MARKETS	FRC	15	0	-	5.1	189.9%	8	2.84	175.3%
FREIGHT MARKETS	FRS	0	0	-	0	-	0	0	-
FREIGHT MARKETS	T2D	50	41.74	19.3%	10.75	363.1%	27	16.39	64.8%
FREIGHT MARKETS	TC6	0	0	-	0	-	0	1.14	-100.0%
FREIGHT MARKETS	TD3	0	0	-	0	-	1	0.14	366.6%
FREIGHT MARKETS	TD8	0	6.52	-100.0%	0	-	0	0.71	-60.0%
FREIGHT MARKETS	USC	0	0	-	5.5	-92.1%	1	0	-
FUEL OIL CRACK VS ICE	FO	74	122.39	-39.6%	70.05	5.5%	81	170.9	-52.5%
FUEL OIL NWE CRACK VS ICE	FI	0	0	-	0	-	0	0.81	-91.2%
FUEL OIL (PLATS) CAR CM	1W	0	0	-	0	-	0	0.73	-96.1%
FUEL OIL (PLATS) CAR CN	1X	0	0	-	0	-	0	0.57	-100.0%
FUELOIL SWAP:CARGOES VS.B	FS	4	4.17	-6.3%	0.65	502.0%	7	10.02	-27.7%
GAS EURO-BOB OXY NWE BARGES	7H	59	311.13	-81.1%	118.15	-50.1%	228	361.44	-36.8%
GAS EURO-BOB OXY NWE BARGES CRK	7K	230	915.48	-74.9%	272.15	-15.6%	368	878.54	-58.1%
GASOIL 0.1CIF MED VS ICE	Z5	0	0	-	0	-	0	0.05	-100.0%
GASOIL 0.1 CIF NWE VS ISE	TU	0	0	-	0	-	0	0	-
GASOIL 0.1 RDAM BRGS VS I	WQ	0	0	-	0	-	0	0.05	109.9%
GASOIL 0.1 ROTTERDAM BARG	VL	0	0.65	-93.3%	1.75	-97.5%	1	6.97	-90.5%
GASOIL 10PPM VS ICE SWAP	TP	0	0	-	0	-	0	0.06	224.8%
GASOIL CALENDAR SWAP	GX	1	0	-	0.3	160.9%	1	0.26	183.4%
GASOIL CRACK SPREAD CALEN	GZ	52	4.35	1088.0%	27.6	87.1%	32	177.73	-81.7%
GASOIL MINI CALENDAR SWAP	QA	49	13.57	260.9%	20.7	136.5%	18	9.59	90.2%
GERMAN POWER BASELOAD CAL MONTH F	DEB	63	0	-	117.7	-46.8%	110	14.7	646.0%
GROUP THREE ULSD (PLATTS)	A7	0	0	-	0	-	0	0.97	-100.0%

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Energy Futures									
GROUP THREE UNLEAD GAS (P)	A9	0	0	-	0	-	1	2.01	-29.4%
GRP THREE ULSD(PLT)VS HEA	A6	124	152.83	-18.9%	216.65	-42.8%	168	167.93	0.0%
GRP THREE UNL GS (PLT) VS	A8	124	151.52	-18.4%	104.75	18.1%	124	102.4	20.9%
GULF COAST 3% FUEL OIL BA	VZ	30	50.52	-40.3%	111.45	-72.9%	40	61.13	-33.9%
GULF COAST JET FUEL CLNDR	GE	0	0	-	0	-	1	5.66	-77.7%
GULF COAST JET VS NYM 2 H	ME	589	962.3	-38.8%	942.7	-37.5%	964	1,728.11	-44.2%
GULF COAST NO.6 FUEL OIL	MF	725	1,850.39	-60.8%	1,134.55	-36.1%	1,071	2,593.73	-58.7%
GULF COAST NO.6 FUEL OIL	MG	35	29.65	16.6%	3.5	887.6%	12	78.09	-85.2%
GULF COAST ULSD CALENDAR	LY	4	18.74	-78.7%	29.3	-86.3%	18	15.73	12.1%
GULF COAST ULSD CRACK SPR	GY	0	5.22	-100.0%	18	-100.0%	2	6.71	-74.6%
HEATING OIL BALMO CLNDR S	1G	0	0	-	0	-	3	1.15	132.5%
HEATING OIL CRCK SPRD BAL	1H	0	0	-	0	-	0	0	-
HEATING OIL PHY	HOL	0	0	-	0	-	0	0	-
HENRY HUB BASIS SWAP	HB	26	724.26	-96.4%	159.2	-83.6%	77	152.08	-49.5%
HENRY HUB FINANCIAL LAST	NBP	0	22.7	-100.0%	0	-	0	127.1	-100.0%
HENRY HUB FINANCIAL LAST	TTE	0	0	-	0	-	0	4.19	-100.0%
HENRY HUB INDEX SWAP FUTU	IN	26	724.26	-96.4%	159.2	-83.6%	77	152.08	-49.5%
HENRY HUB SWAP	NN	2,145	7,148.65	-70.0%	5,356.95	-60.0%	4,603	7,970.38	-42.3%
HOUSTON SHIP CHANNEL BASI	NH	0	0	-	0	-	3	0	-
ICE BRENT DUBAI SWAP	DB	251	427.83	-41.2%	414.15	-39.3%	262	475.91	-45.0%
IN DELIVERY MONTH EUA	6T	0	54.26	-100.0%	0	-	0	5.91	-100.0%
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	3	11.52	-75.5%	17.5	-83.9%	16	7.18	123.1%
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	1.74	-100.0%	0	-	1	8.19	-88.7%
JAPAN C&F NAPHTHA SWAP	JA	11	124.48	-91.4%	23.55	-54.8%	47	100.05	-53.3%
JAPAN NAPHTHA BALMO SWAP	E6	0	3.57	-100.0%	0.25	-100.0%	2	2.88	-45.2%
JET AV FUEL (P) CAR FM ICE GAS SWAP	1V	0	0	-	0	-	0	0.02	-100.0%
JET CIF NWE VS ICE	JC	1	0	-	6.6	-80.2%	1	3.04	-59.2%
JET FUEL CRG CIF NEW VS I	6X	0	0	-	6.6	-100.0%	1	0	-
JET FUEL UP-DOWN BALMO CL	1M	191	309.57	-38.3%	154.5	23.7%	197	285.29	-30.9%
JKM LNG Futures	JKM	174	101.3	72.1%	42.75	307.8%	82	58.5	40.8%

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Energy Futures									
LA CARB DIESEL (OPIS) SWA	KL	1	10.43	-89.6%	0	-	2	14.08	-86.5%
LA CARBOB GASOLINE(OPIS)S	JL	0	36.96	-100.0%	1.25	-100.0%	14	24.17	-43.6%
LA JET (OPIS) SWAP	JS	60	82	-27.1%	37.5	59.4%	60	97.06	-38.4%
LLS (ARGUS) CALENDAR SWAP	XA	0	0	-	0	-	0	2.88	-100.0%
LLS (ARGUS) VS WTI SWAP	WJ	68	224.65	-69.6%	28.75	137.6%	89	268.38	-66.9%
LOS ANGELES CARB GASOLINE	MH	0	0	-	0	-	0	0	-
MARS (ARGUS) VS WTI SWAP	YX	5	56.52	-90.4%	40	-86.4%	69	100.88	-31.6%
MARS (ARGUS) VS WTI TRD M	YV	1,071	687.39	55.8%	616.35	73.8%	881	982.47	-10.3%
MARS BLEND CRUDE OIL	MB	0	0	-	0	-	0	10.99	-100.0%
MCCLOSKY ARA ARGS COAL	MTF	1,630	868.78	87.7%	1,657.45	-1.6%	1,453	1,126.36	29.0%
MCCLOSKY RCH BAY COAL	MFF	124	64.57	92.5%	96.05	29.4%	111	143.18	-22.5%
MGF FUT	MGF	0	1.74	-75.0%	0	-	0	1.22	-96.1%
MGN1 SWAP FUT	MGN	0	2.61	-83.3%	0	-	2	3.28	-27.8%
MICHIGAN BASIS	NF	0	0	-	0	-	0	0	-
MICHIGAN MISO	HMO	0	0	-	0	-	0	0	-
MICHIGAN MISO	HMW	0	0	-	0	-	0	0	-
MINI GAS EUROBOB OXY NWE ARGS BALM	MEB	1	10.74	-91.9%	4.95	-82.4%	9	16.28	-41.9%
MINI RBOB V. EBOBARG NWE BRGS BALMO	MXR	4	0	-	16	-75.5%	19	16.03	15.6%
MINI RBOB V. EBOB(ARGUS) NWE BRGS	MXB	42	139.22	-69.6%	41.45	2.0%	92	88.87	3.0%
MJC FUT	MJC	0	3.7	-100.0%	0	-	1	6.68	-89.4%
MNC FUT	MNC	71	245.35	-70.9%	73.15	-2.5%	164	193.19	-15.2%
MONT BELVIEU ETHANE 5 DECIMAL	C0	673	711.39	-5.4%	1,078.4	-37.6%	766	778.98	-1.7%
MONT BELVIEU ETHANE OPIS BALMO	8C	1	5.43	-76.0%	4.25	-69.3%	7	7.63	-13.4%
MONT BELVIEU LDH PROPANE 5 DECIMAL	B0	6,253	7,343.96	-14.9%	6,924.55	-9.7%	6,883	5,904.79	16.6%
MONT BELVIEU LDH PROPANE OPIS BALM	8O	83	69.43	19.9%	102.7	-18.9%	136	119.18	14.5%
MONT BELVIEU NATURAL GASOLINE 5 DEC	7Q	448	487	-7.9%	544.3	-17.6%	399	398.53	0.2%
MONT BELVIEU NATURAL GASOLINE BALM	R0	32	10.22	217.9%	29.75	9.2%	31	17	80.5%
MONT BELVIEU NORMAL BUTANE 5 DECIM	D0	2,092	2,516.83	-16.9%	2,905.9	-28.0%	2,239	1,739.44	28.7%
MONT BELVIEU NORMAL BUTANE BALMO	8J	61	67.26	-9.8%	45.85	32.3%	62	52.46	17.3%
NAT GAS BASIS SWAP	TZ6	0	0	-	0	-	0	0	-
NATURAL GAS	XIC	0	0	-	0	-	0	0	-
NATURAL GAS PEN SWP	NP	875	1,336.74	-34.5%	2,455.9	-64.4%	1,401	1,590.32	-11.9%
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	1,372.39	-100.0%	0	-	339	646.64	-47.5%
NEPOOL INTR HUB 5MW D AH	U6	10	73.7	-87.0%	0	-	1	60.24	-98.3%

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Energy Futures									
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	48	7.61	525.7%	57.6	-17.3%	38	55.41	-31.8%
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	68.17	-100.0%	26	-100.0%	8	16.34	-49.0%
NGPL TEX/OK	PD	0	848.7	-100.0%	6	-100.0%	13	211.55	-94.0%
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	4	0	-	7.5	-42.0%	4	14.14	-69.0%
NORTHEN NATURAL GAS DEMAR	PE	0	0	-	0	-	0	0	-
NORTHEN NATURAL GAS VENTU	PF	0	0	-	0	-	0	0.47	-100.0%
NORTHWEST ROCKIES BASIS S	NR	0	0	-	0	-	15	0	-
N ROCKIES PIPE SWAP	XR	0	0	-	0	-	0	0.28	-100.0%
NY1% VS GC SPREAD SWAP	VR	17	7.17	133.3%	22.5	-25.6%	22	63.5	-65.1%
NY 3.0% FUEL OIL (PLATTS	H1	0	0	-	0	-	4	8.51	-56.8%
NY HARBOR 1% FUEL OIL BAL	VK	0	0	-	0	-	0	0.24	-50.0%
NY HARBOR HEAT OIL SWP	MP	154	259.52	-40.5%	79.45	94.2%	106	109.29	-3.3%
NY HARBOR LOW SULPUR GAS 1000MBBL	NLS	0	0	-	0	-	2	13.48	-86.3%
NY HARBOR RESIDUAL FUEL 1	MM	31	28.65	7.7%	7.75	298.3%	33	51.15	-34.6%
NY HARBOR RESIDUAL FUEL C	ML	0	0	-	0	-	0	0	-
NYH NO 2 CRACK SPREAD CAL	HK	39	14.35	172.7%	75	-47.8%	24	38.11	-37.5%
NYISO CAPACITY	LHV	0	17.39	-100.0%	19	-100.0%	3	3.06	-4.0%
NYISO CAPACITY	NNC	0	0	-	0	-	0	3.48	-100.0%
NYISO CAPACITY	NRS	0	2.61	-100.0%	0	-	0	1.59	-82.1%
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	1,924.52	-100.0%	0	-	0	209.78	-100.0%
NYISO ZONE A 5MW D AH PK	K3	0	82.17	-100.0%	0	-	0	8.96	-100.0%
NYISO ZONE G 5MW D AH O P	D2	0	607.83	-100.0%	0	-	481	2,913.91	-83.5%
NYISO ZONE G 5MW D AH PK	T3	10	31.74	-69.9%	0	-	40	97.27	-59.1%

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Energy Futures									
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	24	0	-	0	-	9	0	-
NY ULSD (ARGUS) VS HEATING OIL	7Y	51	0	-	0	-	13	1.01	1200.4%
ONEOK OKLAHOMA NG BASIS	8X	0	0	-	93	-100.0%	9	12.82	-31.2%
ONTARIO POWER SWAPS	OFD	0	0	-	0	-	0	0	-
ONTARIO POWER SWAPS	OPD	0	0	-	0	-	0	0.05	150.0%
ONTARIO POWER SWAPS	OPM	0	0	-	0	-	0	0	-
PANHANDLE BASIS SWAP FUTU	PH	0	0	-	0	-	0	1.3	-100.0%
PANHANDLE PIPE SWAP	XH	0	0	-	0	-	0	0	-
PERMIAN BASIS SWAP	PM	0	0	-	0	-	0	0	-
PETROCHEMICALS	22	9	14.09	-38.3%	9.8	-11.3%	8	8.86	-7.9%
PETROCHEMICALS	32	5	4.74	9.2%	3.6	43.7%	5	7.5	-33.7%
PETROCHEMICALS	3NA	0	0.26	-100.0%	0	-	0	0.03	717.6%
PETROCHEMICALS	51	0	0	-	0	-	0	0.11	243.5%
PETROCHEMICALS	8I	35	20.57	70.0%	46.6	-25.0%	31	32.04	-2.1%
PETROCHEMICALS	91	23	28.22	-19.4%	35.8	-36.5%	24	20.48	15.2%
PETROCHEMICALS	MAA	0	0	-	0	-	1	0.24	459.9%
PETROCHEMICALS	MAE	7	12.61	-44.8%	27	-74.2%	17	9.68	79.3%
PETROCHEMICALS	MAS	9	7.39	22.4%	12.6	-28.2%	11	8.11	31.0%
PETROCHEMICALS	MBE	11	39.13	-71.1%	14.5	-22.0%	15	40.43	-61.7%
PETROCHEMICALS	MNB	4	33.09	-88.8%	17.2	-78.5%	29	87.1	-66.6%
PETROCHEMICALS	MPS	6	6.09	-5.0%	15.45	-62.6%	10	5.45	91.3%
PETRO CRCKS & SPRDS ASIA	JNC	0	0	-	0	-	0	0	-
PETRO CRCKS & SPRDS ASIA	STI	0	0	-	0	-	0	0	-
PETRO CRCKS & SPRDS ASIA	STR	0	0	-	0	-	0	0.47	-100.0%
PETRO CRCKS & SPRDS ASIA	STS	0	0	-	2.5	-100.0%	2	2.41	-34.8%
PETRO CRCKS & SPRDS NA	CRB	301	231.52	30.1%	323	-6.7%	326	108.48	200.6%
PETRO CRCKS & SPRDS NA	EXR	64	151.52	-58.0%	55.65	14.5%	114	138.92	-18.1%
PETRO CRCKS & SPRDS NA	FOC	4	6.52	-33.3%	15	-71.0%	18	32.11	-44.4%
PETRO CRCKS & SPRDS NA	GBB	12	42.39	-71.2%	25	-51.1%	28	58.22	-51.2%
PETRO CRCKS & SPRDS NA	GCC	0	0	-	0	-	0	8.25	-100.0%
PETRO CRCKS & SPRDS NA	GCI	36	42.35	-16.0%	32.95	7.9%	58	66.64	-13.0%
PETRO CRCKS & SPRDS NA	GCM	0	0	-	15	-100.0%	1	0.77	84.1%
PETRO CRCKS & SPRDS NA	GCU	167	106.35	57.2%	65.1	156.7%	151	548.89	-72.5%

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Energy Futures									
PETRO CRCKS & SPRDS NA	GFC	0	0	-	0	-	0	0.19	149.9%
PETRO CRCKS & SPRDS NA	HOB	47	3.13	1391.7%	109.75	-57.5%	84	41.09	104.5%
PETRO CRCKS & SPRDS NA	MFR	0	0	-	0	-	0	0.02	-100.0%
PETRO CRCKS & SPRDS NA	NFG	0	0	-	0	-	0	0.24	-100.0%
PETRO CRCKS & SPRDS NA	NYF	0	0	-	0	-	0	0	-
PETRO CRCKS & SPRDS NA	RBB	110	240.65	-54.4%	363.95	-69.9%	330	257.32	28.2%
PETRO CRCKS & SPRDS NA	RVG	589	708.13	-16.8%	506.4	16.4%	637	758.91	-16.1%
PETRO CRCKS & SPRDS NA	SF3	2	0	-	8.55	-79.7%	5	1.52	241.1%
PETRO CRK&SPRD EURO	1NB	21	54.7	-62.2%	25.5	-19.0%	50	85.74	-41.6%
PETRO CRK&SPRD EURO	1ND	0	0	-	0	-	0	0.47	-100.0%
PETRO CRK&SPRD EURO	43	0	1.96	-100.0%	0	-	1	16.18	-95.5%
PETRO CRK&SPRD EURO	BFR	0	0	-	0	-	0	0	-
PETRO CRK&SPRD EURO	BOB	2	59.61	-96.4%	51.7	-95.8%	24	79.32	-69.4%
PETRO CRK&SPRD EURO	EOB	0	0.39	-100.0%	0	-	0	1.05	-89.6%
PETRO CRK&SPRD EURO	EPN	18	73.26	-76.0%	16.85	4.5%	27	46.41	-42.8%
PETRO CRK&SPRD EURO	EVC	42	60.52	-29.9%	99.4	-57.3%	31	94.76	-67.0%
PETRO CRK&SPRD EURO	FBT	0	0	-	0	-	0	0	-
PETRO CRK&SPRD EURO	FVB	0	0	-	0	-	0	0.14	-100.0%
PETRO CRK&SPRD EURO	GCB	0	0	-	0	-	2	3.22	-22.5%
PETRO CRK&SPRD EURO	GOC	0	0	-	0	-	0	0.4	-100.0%
PETRO CRK&SPRD EURO	MGB	2	0	-	0	-	1	0.52	45.5%
PETRO CRK&SPRD EURO	MUD	1	0	-	0	-	1	0.77	-20.2%
PETRO CRK&SPRD EURO	NBB	0	0.87	-100.0%	0	-	0	0.86	-68.1%
PETRO CRK&SPRD EURO	NOB	2	134.83	-98.8%	5.25	-70.2%	16	87.39	-81.4%
PETRO CRK&SPRD EURO	SFB	0	0	-	0.25	-100.0%	0	0.59	-55.2%
PETROLEUM PRODUCTS	1NM	1	0	-	1.5	-13.0%	4	0	-
PETROLEUM PRODUCTS	EWG	68	378.04	-81.9%	26.25	160.9%	105	242.74	-56.8%
PETROLEUM PRODUCTS	JCC	0	0	-	35	-100.0%	3	0	-
PETROLEUM PRODUCTS	MME	0	0	-	0	-	0	0.14	-100.0%
PETROLEUM PRODUCTS	MPE	0	0	-	0	-	0	0	-
PETROLEUM PRODUCTS	NCC	0	0	-	0.5	-100.0%	0	0	-
PETROLEUM PRODUCTS	R5F	0	0	-	0.3	-42.0%	0	0	-
PETROLEUM PRODUCTS	S53	0	0	-	1.2	-81.9%	0	0	-
PETROLEUM PRODUCTS	UP5	1	0	-	3.3	-76.3%	0	0	-
PETROLEUM PRODUCTS	VU	5	0	-	0.65	736.1%	2	4.95	-50.7%
PETROLEUM PRODUCTS ASIA	E6M	1	2.61	-66.7%	0	-	1	3.38	-79.3%

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Commodity		ADV OCT 2019	ADV OCT 2018	% CHG	ADV SEP 2019	% CHG	ADV Y.T.D 2019	ADV Y.T.D 2018	% CHG
Energy Futures									
PETROLEUM PRODUCTS ASIA	MJN	17	80.48	-78.4%	36.75	-52.7%	65	90.21	-27.6%
PETROLEUM PRODUCTS ASIA	MSB	0	0	-	0	-	0	0	-
PETRO OUTRIGHT EURO	0B	7	0	-	2.5	178.3%	2	0.4	436.9%
PETRO OUTRIGHT EURO	0C	0	0	-	0	-	0	0.11	95.7%
PETRO OUTRIGHT EURO	0D	33	52.7	-36.8%	75.5	-55.9%	64	62.09	2.3%
PETRO OUTRIGHT EURO	0E	0	0	-	2.5	-82.6%	1	1.13	-42.9%
PETRO OUTRIGHT EURO	0F	5	9.57	-48.2%	12.7	-61.0%	17	24.32	-31.8%
PETRO OUTRIGHT EURO	1T	0	0	-	0.15	-100.0%	0	0.18	-79.5%
PETRO OUTRIGHT EURO	33	0	0	-	0	-	0	0	-
PETRO OUTRIGHT EURO	5L	0	0	-	1.25	-100.0%	1	1.06	1.8%
PETRO OUTRIGHT EURO	63	1	0.22	500.0%	3.1	-57.9%	1	0.84	-39.6%
PETRO OUTRIGHT EURO	7I	10	11.39	-16.0%	3.75	155.1%	4	5.5	-19.1%
PETRO OUTRIGHT EURO	7R	2	6.91	-75.5%	2	-15.2%	6	13.9	-56.5%
PETRO OUTRIGHT EURO	88	0	0	-	0	-	0	0.5	-70.5%
PETRO OUTRIGHT EURO	CBB	2	0	-	0	-	0	0.26	-9.1%
PETRO OUTRIGHT EURO	CGB	0	0	-	0	-	0	0	-
PETRO OUTRIGHT EURO	CPB	5	8.26	-34.2%	7.65	-29.0%	10	15.76	-36.1%
PETRO OUTRIGHT EURO	EFF	0	2.09	-100.0%	0	-	1	0.78	4.9%
PETRO OUTRIGHT EURO	EFM	0	0	-	0	-	0	0	-
PETRO OUTRIGHT EURO	ENS	0	0	-	0.85	-100.0%	1	0.69	12.4%
PETRO OUTRIGHT EURO	EWN	8	38.83	-80.1%	4.15	86.5%	20	33.85	-41.1%
PETRO OUTRIGHT EURO	FLB	0	0	-	0	-	0	0.02	19.8%
PETRO OUTRIGHT EURO	GES	0	0	-	0	-	0	0.02	-100.0%
PETRO OUTRIGHT EURO	H5G	3	0	-	7.2	-54.7%	2	0	-
PETRO OUTRIGHT EURO	M1B	21	0	-	22.9	-7.5%	4	0	-
PETRO OUTRIGHT EURO	M35	0	0	-	0.95	-77.1%	0	0	-
PETRO OUTRIGHT EURO	MBB	0	0	-	0	-	0	1.28	-100.0%
PETRO OUTRIGHT EURO	MBN	7	7.83	-11.7%	11	-37.2%	15	42.5	-64.1%
PETRO OUTRIGHT EURO	MEF	6	31.13	-80.0%	22.8	-72.7%	16	5.4	188.1%
PETRO OUTRIGHT EURO	R53	1	0	-	1.5	-33.3%	1	0	-
PETRO OUTRIGHT EURO	R5M	14	0	-	11.35	23.0%	7	0	-
PETRO OUTRIGHT EURO	R5O	42	0	-	46.65	-9.6%	10	0	-
PETRO OUTRIGHT EURO	S5F	3	0	-	0.9	228.5%	1	0	-
PETRO OUTRIGHT EURO	S5M	20	0	-	10.05	98.1%	6	0	-
PETRO OUTRIGHT EURO	S5O	10	0	-	3.9	162.0%	2	0	-
PETRO OUTRIGHT EURO	SMU	5	0	-	5	8.7%	4	2.62	53.7%

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Energy Futures									
PETRO OUTFRIGHT EURO	T0	0	0	-	0	-	0	0.04	-100.0%
PETRO OUTFRIGHT EURO	T2B	0	0	-	0	-	0	0	-
PETRO OUTFRIGHT EURO	TMB	0	0	-	0	-	0	0	-
PETRO OUTFRIGHT EURO	V0	0	0	-	0	-	0	4.64	-100.0%
PETRO OUTFRIGHT EURO	X0	0	0	-	0	-	0	0.55	-100.0%
PETRO OUTFRIGHT NA	FCB	0	2.78	-100.0%	0	-	2	3.83	-47.3%
PETRO OUTFRIGHT NA	FOM	0	0	-	0	-	0	0.04	-100.0%
PETRO OUTFRIGHT NA	JE	0	0	-	9	-100.0%	1	0.33	247.8%
PETRO OUTFRIGHT NA	JET	123	185.65	-33.8%	73.75	66.5%	114	148.93	-23.8%
PETRO OUTFRIGHT NA	JTB	24	90.87	-73.8%	51.25	-53.5%	35	31.52	10.1%
PETRO OUTFRIGHT NA	MBL	3	0	-	10.2	-70.2%	1	0.19	584.9%
PETRO OUTFRIGHT NA	MEN	10	17.43	-43.9%	6.4	52.9%	8	20.75	-61.7%
PETRO OUTFRIGHT NA	MEO	62	143.39	-56.6%	50.25	23.8%	107	170.64	-37.5%
PETRO OUTFRIGHT NA	MFD	2	0	-	0	-	2	0.47	238.0%
PETRO OUTFRIGHT NA	MMF	1	2.74	-61.9%	2	-47.8%	4	0.91	324.3%
PETRO OUTFRIGHT NA	XER	0	0	-	0	-	0	1.42	-100.0%
PJM AD HUB 5MW REAL TIME	V3	0	0	-	0	-	555	196.19	183.1%
PJM AD HUB 5MW REAL TIME	Z9	0	0	-	0	-	12	61.96	-80.4%
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	55.65	-100.0%	0	-	18	30.24	-39.7%
PJM NI HUB 5MW REAL TIME	B6	0	0	-	0	-	332	28.08	1081.4%
PJM NILL DA OFF-PEAK	L3	0	33.48	-100.0%	0	-	0	3.65	-100.0%
PJM NILL DA PEAK	N3	0	1.83	-100.0%	0	-	0	0.3	-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	110.9	-100.0%
PJM PSEG DA PEAK	L6	0	0	-	0	-	0	6.04	-100.0%
PJM WESTH DA OFF-PEAK	E4	0	0	-	0	-	0	482.51	-100.0%

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Energy Futures									
PJM WESTHDA PEAK	J4	0	0	-	0	-	0	26.18	-100.0%
PJM WESTH RT OFF-PEAK	N9	0	1,704.35	-100.0%	0	-	223	1,654.6	-86.5%
PJM WESTH RT PEAK	L1	189	111.09	70.5%	109.3	73.2%	254	280.53	-9.4%
PLASTICS	PGP	35	50.39	-30.8%	34.5	1.1%	34	20.45	67.2%
PREMIUM UNLD 10P FOB MED	3G	0	3.43	-100.0%	1.6	-100.0%	4	11.34	-65.0%
PREMIUM UNLEAD 10PPM FOB	8G	0	0	-	3.7	-100.0%	1	2.08	-68.3%
PREM UNL GAS 10PPM RDAM FOB BALMO	7N	0	0	-	0	-	0	0.38	-75.0%
PREM UNL GAS 10PPM RDAM FOB SWAP	7L	0	0	-	0.25	-100.0%	0	1.55	-89.3%
PROPANE NON-LDH MB (OPIS) BALMO SWP	1S	81	7.39	1000.6%	37.1	119.3%	70	24.59	182.8%
PROPANE NON-LDH MT. BEL (OPIS) SWP	1R	1,058	772.74	36.9%	1,001.75	5.6%	901	600.92	50.0%
RBOB CALENDAR SWAP	RL	182	312.22	-41.7%	256.4	-28.9%	271	277.44	-2.3%
RBOB CRACK SPREAD	RM	59	2.61	2166.7%	63.25	-6.5%	55	45.16	20.7%
RBOB CRACK SPREAD BALMO S	1E	0	0	-	0	-	0	0	-
RBOB GASOLINE BALMO CLNDR	1D	9	23.04	-62.6%	36.2	-76.2%	42	51.1	-18.2%
RBOB PHY	RBL	0	0	-	0	-	0	0	-
RBOB SPREAD (PLATTS) SWAP	RI	0	0	-	0	-	0	0	-
RBOB VS HEATING OIL SWAP	RH	3	0	-	0	-	1	9.36	-92.4%
SAN JUAN BASIS SWAP	NJ	0	0	-	0	-	0	0.27	-100.0%
SAN JUAN PIPE SWAP	XX	0	0	-	0	-	0	1.71	-100.0%
SINGAPORE 180CST BALMO	BS	1	1.3	-30.0%	4.8	-81.0%	1	2.24	-51.4%
SINGAPORE 380CST BALMO	BT	1	11.35	-93.5%	4.15	-82.2%	4	10.43	-62.9%
SINGAPORE 380CST FUEL OIL	SE	73	262.22	-72.1%	105.4	-30.6%	132	399.02	-66.8%
SINGAPORE FUEL 180CST CAL	UA	3	21.83	-87.5%	1.6	71.2%	11	38.18	-71.1%
SINGAPORE FUEL OIL SPREAD	SD	2	5.09	-62.4%	5	-61.7%	3	28.49	-89.4%
SINGAPORE GASOIL	MAF	103	31.43	228.1%	122.45	-15.8%	96	6.19	1445.5%
SINGAPORE GASOIL	MTB	8	0.65	1140.0%	3.25	148.8%	3	2.4	26.9%
SINGAPORE GASOIL	MTS	111	216.57	-48.9%	137.95	-19.8%	173	223.8	-22.5%
SINGAPORE GASOIL	STZ	0	0	-	0	-	0	20.38	-100.0%
SINGAPORE GASOIL CALENDAR	GDH	0	0	-	0	-	0	0.24	-100.0%
SINGAPORE GASOIL CALENDAR	GDL	0	0	-	0	-	0	1.18	-100.0%
SINGAPORE GASOIL CALENDAR	GHS	0	0	-	0	-	1	0	-
SINGAPORE GASOIL CALENDAR	MGO	0	0	-	0	-	0	0.95	-100.0%
SINGAPORE GASOIL CALENDAR	MSG	10	16.52	-38.4%	4.25	139.4%	8	22.52	-62.8%
SINGAPORE GASOIL CALENDAR	SGG	0	0	-	0	-	0	1.54	-100.0%
SINGAPORE GASOIL SWAP	SG	22	31.78	-31.1%	21.35	2.6%	44	216.46	-79.8%
SINGAPORE GASOIL VS ICE	GA	4	363.91	-98.8%	0	-	22	599.1	-96.4%

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Energy Futures									
SINGAPORE JET KERO BALMO	BX	2	0	-	0	-	0	1.02	-76.7%
SINGAPORE JET KERO GASOIL	RK	0	13.04	-100.0%	0	-	0	161.82	-99.7%
SINGAPORE JET KEROSENE SW	KS	44	40.22	9.7%	21.25	107.7%	28	61.61	-53.8%
SINGAPORE JET KERO VS. GASOIL BALMO	Z0	0	0	-	0	-	0	1.9	-100.0%
SINGAPORE MOGAS 92 UNLEADED BALMO	1P	0	16.3	-100.0%	1.25	-100.0%	7	27.11	-73.8%
SINGAPORE MOGAS 92 UNLEADED SWP	1N	115	641.35	-82.0%	119.25	-3.2%	419	653.5	-35.9%
SINGAPORE NAPHTHA SWAP	SP	0	0	-	0	-	0	0.95	-100.0%
SING FUEL	MSD	0	0.22	0.0%	0	-	0	0.47	-95.0%
SOUTH STAR TEX OKLHM KNS	8Z	0	0	-	0	-	0	0	-
Sumas Basis Swap	NK	0	0	-	0	-	0	0.43	-100.0%
TC2 ROTTERDAM TO USAC 37K	TM	8	6.09	35.7%	9	-8.2%	12	4.06	183.7%
TC5 RAS TANURA TO YOKOHAM	TH	3	29.57	-91.2%	42	-93.8%	16	4.86	231.8%
TCO BASIS SWAP	TC	0	0	-	0	-	0	0	-
TD3 MEG TO JAPAN 250K MT	TL	420	132	218.3%	416.7	0.8%	265	58.94	349.9%
TENNESSEE ZONE 0 BASIS SW	NQ	0	0	-	0	-	0	0	-
Tetco STX Basis	TX	0	0	-	0	-	0	0	-
TEXAS EASTERN ZONE M-3 BA	NX	0	0	-	0	-	0	0	-
TEXAS GAS ZONE1 NG BASIS	9F	0	0	-	0	-	0	0	-
Transco Zone 3 Basis	CZ	0	0	-	0	-	0	0	-
TRANSCO ZONE4 BASIS SWAP	TR	0	0	-	0	-	0	0	-
TRANSCO ZONE 6 BASIS SWAP	NZ	0	0	-	0	-	0	0	-
UCM FUT	UCM	0	0	-	0	-	0	0.28	-66.7%
UK NBP NAT GAS CAL MTH FUT	UKG	16	14.22	11.6%	60.5	-73.8%	29	219.82	-87.0%
ULSD 10PPM CIF MED VS ICE	Z7	0	0	-	0	-	0	0.07	-100.0%
ULSD UP-DOWN BALMO SWP	1L	483	291.3	65.7%	252.75	91.0%	267	265.9	0.4%
UP DOWN GC ULSD VS NMX HO	LT	2,178	1,663.96	30.9%	2,304.85	-5.5%	1,617	1,552.7	4.1%
WAHA BASIS	NW	0	0	-	0	-	3	15.17	-79.7%
WESTERN RAIL DELIVERY PRB	QP	0	0	-	0	-	0	0.12	-100.0%
WTI-BRENT BULLET SWAP	BY	22	0	-	0	-	9	31.52	-70.6%
WTI-BRENT CALENDAR SWAP	BK	1,724	773.7	122.9%	1,718.95	0.3%	1,718	1,493.6	15.0%
WTI CALENDAR	CS	1,906	1,763.04	8.1%	1,923.5	-0.9%	1,907	1,594.5	19.6%
WTS (ARGUS) VS WTI SWAP	FF	268	264.7	1.3%	81.25	229.9%	212	405.64	-47.8%
WTS (ARGUS) VS WTI TRD MT	FH	27	31.3	-13.9%	2.1	1183.6%	34	28.93	17.2%

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Energy Options									
BRENT 1 MONTH CAL	AA	0	0	-	0	-	0	14.22	-100.0%
BRENT CALENDAR SWAP	BA	0	318.35	-100.0%	0	-	18	62.45	-71.1%
BRENT CRUDE OIL 12 M CSO	9Y	0	0	-	0	-	0	9.48	-100.0%
BRENT CRUDE OIL 1 M CSO	9C	26	802.17	-96.7%	0	-	170	1,945.44	-91.3%
BRENT CRUDE OIL 6 M CSO	9L	0	0	-	0	-	0	4.74	-100.0%
BRENT OIL LAST DAY	BE	461	1,451.65	-68.3%	914.35	-49.6%	1,624	1,420.47	14.3%
BRENT OIL LAST DAY	BZO	3,426	17,205.87	-80.1%	4,530.05	-24.4%	4,538	7,998.25	-43.3%
BRENT OIL LAST DAY	OS	0	0	-	0	-	0	5.64	-100.0%
COAL API2 INDEX	CLA	0	13.91	-96.9%	0.25	73.9%	1	30.45	-96.5%
COAL API2 INDEX	CQA	0	1.09	-100.0%	3.75	-100.0%	4	16.49	-76.0%
COAL API4 INDEX	RLA	0	0	-	0	-	0	0.12	-100.0%
COAL API4 INDEX	RQA	0	0	-	0	-	0	0.28	-100.0%
COAL SWAP	CPF	0	0	-	0	-	0	0	-
COAL SWAP	RPF	0	0	-	0	-	0	0	-
CRUDE OIL	6Y	0	0	-	0	-	1	0	-
CRUDE OIL 1MO	WA	6,334	9,707.39	-34.8%	11,313.75	-44.0%	10,642	9,610.92	10.7%
CRUDE OIL APO	AO	1,056	832.48	26.8%	1,648.2	-35.9%	2,062	2,055.91	0.3%
CRUDE OIL CALNDR STRIP	6F	0	0	-	0	-	1	0.81	17.6%
CRUDE OIL OUTRIGHTS	AH	0	347.83	-100.0%	0	-	0	37.91	-100.0%
CRUDE OIL OUTRIGHTS	WCI	0	16.96	-100.0%	0	-	5	1.85	146.2%
CRUDE OIL PHY	CD	0	65.22	-100.0%	0	-	6	98.82	-93.8%
CRUDE OIL PHY	LC	605	728.91	-17.0%	437.3	38.4%	501	493.89	1.4%
CRUDE OIL PHY	LO	106,976	176,576.09	-39.4%	155,515.7	-31.2%	129,509	167,968.74	-22.9%
CRUDE OIL PHY	LO1	925	1,479.3	-37.5%	702.75	31.6%	742	750.06	-1.1%
CRUDE OIL PHY	LO2	557	980.87	-43.2%	466.85	19.2%	663	751.59	-11.8%
CRUDE OIL PHY	LO3	244	594.7	-59.0%	1,079.2	-77.4%	470	505.53	-7.0%
CRUDE OIL PHY	LO4	596	987.04	-39.7%	1,056.05	-43.6%	756	755.88	0.0%
CRUDE OIL PHY	LO5	37	0	-	0	-	232	235.57	-1.5%
ETHANOL	CE1	0	0	-	0	-	0	1.3	-100.0%
ETHANOL	CE3	0	0	-	0	-	0	0.71	-100.0%
ETHANOL SWAP	CVR	419	164.22	155.1%	470	-10.9%	521	299.54	74.0%
ETHANOL SWAP	GVR	0	0	-	0	-	4	14.78	-75.0%
FREIGHT MARKETS	TDT	0	0	-	90	-100.0%	9	0	-
HEATING OIL PHY	LB	4	11.74	-63.0%	8.75	-50.3%	9	4.83	96.3%
HEATING OIL PHY	OH	1,069	1,328.61	-19.5%	1,428.55	-25.2%	1,339	1,398.14	-4.3%
HENRY HUB FINANCIAL LAST	E7	238	152.22	56.5%	449.2	-47.0%	299	208.22	43.8%

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Energy Options									
HO 1 MONTH CLNDR OPTIONS	FA	0	4.35	-100.0%	0	-	10	0.47	2050.1%
LLS CRUDE OIL	WJO	0	0	-	0	-	0	0.47	-100.0%
LLS CRUDE OIL	YVO	0	0	-	0	-	0	0	-
MCCLOSKEY ARA ARGS COAL	MTO	2	0	-	0	-	1	1.37	-37.9%
MCCLOSKEY RCH BAY COAL	MFO	8	3.04	157.1%	0	-	5	9.83	-47.0%
NATURAL GAS 1 M CSO FIN	G4	5,952	2,204.35	170.0%	9,158.85	-35.0%	3,571	1,749.38	104.1%
NATURAL GAS 2 M CSO FIN	G2	26	0	-	75	-65.2%	30	6.64	344.6%
NATURAL GAS 3 M CSO FIN	G3	39	8.7	350.0%	2,313.75	-98.3%	1,069	209.7	409.7%
NATURAL GAS 5 M CSO FIN	G5	83	0	-	62.5	32.2%	23	12.09	86.3%
NATURAL GAS 6 M CSO FIN	G6	717	252.17	184.5%	322.5	122.4%	303	400	-24.1%
NATURAL GAS OPTION ON CALENDAR STR	6J	166	185.65	-10.5%	152	9.3%	122	131	-6.6%
NATURAL GAS PHY	KD	448	604.96	-26.0%	323.05	38.6%	194	926.77	-79.0%
NATURAL GAS PHY	LN	88,059	111,068.43	-20.7%	100,908.4	-12.7%	73,247	86,066.2	-14.9%
NATURAL GAS PHY	ON	6,036	10,767.87	-43.9%	6,300.8	-4.2%	5,891	8,599.82	-31.5%
NATURAL GAS WINTER STRIP	6I	0	26.09	-100.0%	0	-	7	12.8	-44.4%
N ROCKIES PIPE SWAP	ZR	8	0	-	27.3	-71.0%	21	9.55	115.9%
NY HARBOR HEAT OIL SWP	AT	319	150	112.6%	100	218.9%	125	123.66	0.9%
NYISO ZONE G 5MW PEAK OPTIONS	9U	0	0	-	0	-	0	0	-
PANHANDLE PIPE SWAP	PU	0	0	-	0	-	0	0	-
PETROCHEMICALS	4H	1	58.57	-98.8%	2.5	-72.2%	23	31.53	-27.2%
PETROCHEMICALS	4J	0	0	-	0	-	1	6.4	-85.2%
PETROCHEMICALS	4K	0	0	-	20	-100.0%	3	15.64	-83.0%
PETROCHEMICALS	CPR	0	0	-	0	-	0	0	-
PETRO OUTRIGHT EURO	8H	0	0	-	0	-	0	0	-
PETRO OUTRIGHT EURO	BCO	1	0	-	0	-	0	0	-
PETRO OUTRIGHT NA	DAP	0	0	-	9	-100.0%	2	0.91	118.7%
PJM WES HUB PEAK CAL MTH	6OA	8	11.74	-29.6%	1	726.1%	4	3.41	18.1%
PJM WES HUB PEAK CAL MTH	JOA	0	0	-	0	-	0	4.17	-100.0%
PJM WES HUB PEAK LMP 50MW	PMA	0	10.96	-100.0%	0	-	4	35.09	-88.7%
RBOB 1MO CAL SPD OPTIONS	ZA	0	0	-	0	-	1	3.32	-78.6%
RBOB CALENDAR SWAP	RA	3	3.7	-11.8%	6	-45.7%	3	4.98	-45.1%
RBOB CRACK	RX	0	0.09	-100.0%	0	-	0	0.01	-100.0%
RBOB PHY	OB	260	873.43	-70.2%	467.7	-44.4%	670	575.58	16.5%
RBOB PHY	RF	0	0	-	0	-	8	0.59	1199.2%
ROTTERDAM 3.5%FUEL OIL CL	Q6	0	0	-	0	-	0	0	-
SAN JUAN PIPE SWAP	PJ	40	1.35	2835.5%	0	-	18	10.18	80.5%

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Commodity	ADV OCT 2019	ADV OCT 2018	% CHG	ADV SEP 2019	% CHG	ADV Y.T.D 2019	ADV Y.T.D 2018	% CHG	
Energy Options									
SHORT TERM	C15	0	21.74	-100.0%	0	-	0	2.37	-100.0%
SHORT TERM	U11	0	0	-	0	-	3	5.86	-43.4%
SHORT TERM	U12	0	6.52	-100.0%	22.5	-100.0%	7	5.21	34.5%
SHORT TERM	U13	0	0	-	0	-	1	1.9	-62.5%
SHORT TERM	U14	0	0	-	0	-	1	4.09	-82.6%
SHORT TERM	U15	0	0	-	0	-	6	3.78	60.0%
SHORT TERM	U22	0	2.17	-100.0%	0	-	0	6.02	-99.9%
SHORT TERM	U23	0	0	-	0	-	1	4.26	-87.0%
SHORT TERM	U24	0	0	-	0	-	1	4.17	-71.6%
SHORT TERM	U25	0	2.17	-100.0%	0	-	0	0.72	-100.0%
SHORT TERM	U26	0	0	-	5	-100.0%	0	1.9	-75.0%
SHORT TERM NATURAL GAS	U01	5	0	-	0	-	3	2.61	18.2%
SHORT TERM NATURAL GAS	U02	0	58.7	-100.0%	0	-	1	13.26	-93.7%
SHORT TERM NATURAL GAS	U03	0	4.35	-100.0%	0	-	3	7.25	-54.0%
SHORT TERM NATURAL GAS	U04	13	16.3	-20.0%	0	-	4	9.36	-54.4%
SHORT TERM NATURAL GAS	U05	0	0.43	-100.0%	0	-	1	6.78	-82.5%
SHORT TERM NATURAL GAS	U06	0	0	-	5	-100.0%	2	7.11	-66.3%
SHORT TERM NATURAL GAS	U07	0	0	-	0	-	3	7.59	-59.4%
SHORT TERM NATURAL GAS	U08	9	4.35	100.0%	0	-	13	7	79.4%
SHORT TERM NATURAL GAS	U09	4	0	-	15	-71.0%	3	7.27	-54.4%
SHORT TERM NATURAL GAS	U10	17	0	-	25	-30.4%	5	5.92	-8.0%
SHORT TERM NATURAL GAS	U16	0	0	-	0	-	1	3.32	-64.3%
SHORT TERM NATURAL GAS	U17	13	0	-	0	-	2	10.88	-80.4%
SHORT TERM NATURAL GAS	U18	0	6.52	-100.0%	0	-	1	7.69	-92.3%
SHORT TERM NATURAL GAS	U19	0	4.35	-100.0%	0	-	0	1.65	-71.3%
SHORT TERM NATURAL GAS	U20	0	0	-	0	-	1	6.75	-78.9%
SHORT TERM NATURAL GAS	U21	0	0	-	0	-	0	1.72	-86.2%
SHORT TERM NATURAL GAS	U27	0	0	-	0	-	0	2.01	-100.0%
SHORT TERM NATURAL GAS	U28	0	0	-	0	-	2	0.47	324.9%
SHORT TERM NATURAL GAS	U29	0	0	-	0	-	0	2.18	-78.3%
SHORT TERM NATURAL GAS	U30	0	0	-	15	-100.0%	3	0.47	500.0%
SHORT TERM NATURAL GAS	U31	9	0	-	0	-	7	0.13	5083.6%
SINGAPORE GASOIL CALENDAR	M2	0	0	-	0	-	0	0	-
SINGAPORE JET FUEL CALEND	N2	0	0	-	0	-	0	0	-
WTI-BRENT BULLET SWAP	BV	973	1,384.52	-29.7%	3,345	-70.9%	2,528	3,826.04	-33.9%
WTI CRUDE OIL 1 M CSO FI	7A	3,663	3,784.78	-3.2%	1,077.5	240.0%	2,545	3,426.07	-25.7%

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Commodity	ADV OCT 2019	ADV OCT 2018	% CHG	ADV SEP 2019	% CHG	ADV Y.T.D 2019	ADV Y.T.D 2018	% CHG
Ag Products Futures								
COCOA TAS	0	0	-	0	-	0	0.02	59.9%
COTTON	0	0.3	-71.4%	0.3	-71.0%	0	0.09	90.0%
SUGAR 11	0	0	-	0	-	0	0.27	-82.8%
TOTAL FUTURES GROUP								
Ag Products Futures	0	0.3	-71.4%	0.3	-71.0%	0	0.39	-32.5%
Energy Futures	2,058,731	2,178,401.74	-5.5%	2,472,286.7	-16.7%	2,169,360	2,222,247.36	-2.4%
Metals Futures	562,808	508,690.26	10.6%	716,045.05	-21.4%	587,784	600,693.1	-2.1%
TOTAL FUTURES	2,621,539	2,687,092.3	-2.4%	3,188,332.05	-17.8%	2,757,143.49	2,822,940.85	-2.3%
TOTAL OPTIONS GROUP								
Energy Options	229,855	345,298.96	-33.4%	304,875.05	-24.6%	244,630	303,058.41	-19.3%
Metals Options	70,096	62,319.57	12.5%	101,762.25	-31.1%	81,562	58,068.93	40.5%
TOTAL OPTIONS	299,951	407,618.52	-26.4%	406,637.3	-26.2%	326,191.4	361,127.34	-9.7%
TOTAL COMBINED								
Metals	632,904	571,009.83	10.8%	817,807.3	-22.6%	669,345	658,762.03	1.6%
Energy	2,288,585	2,523,700.7	-9.3%	2,777,161.75	-17.6%	2,413,989	2,525,305.77	-4.4%
Ag Products	0	0.3	-71.4%	0.3	-71.0%	0	0.39	-32.5%
GRAND TOTAL	2,921,490	3,094,710.83	-5.6%	3,594,969.35	-18.7%	3,083,334.89	3,184,068.19	-3.2%