

## NYMEX/COMEX Exchange ADV Report - Monthly

December 2019

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Commodity		ADV DEC 2019	ADV DEC 2018	% CHG	ADV NOV 2019	% CHG	ADV Y.T.D 2019	ADV Y.T.D 2018	% CHG
<b>Metals Futures</b>									
COMEX GOLD	GC	256,867	206,600.45	24.3%	446,370.9	-42.5%	343,289	318,657.1	7.7%
NYMEX HOT ROLLED STEEL	HR	433	360.25	20.2%	519.8	-16.7%	690	474.48	45.3%
NYMEX PLATINUM	PL	28,009	24,908.25	12.5%	19,983.5	40.2%	23,263	21,681.74	7.3%
PALLADIUM	PA	3,955	3,744.4	5.6%	6,563.75	-39.7%	5,027	5,689.33	-11.6%
URANIUM	UX	1	35.7	-97.3%	0	-	42	28.42	48.3%
COMEX SILVER	SI	73,463	65,031	13.0%	116,714.4	-37.1%	95,830	95,186.71	0.7%
COMEX E-Mini GOLD	QO	747	232.55	221.0%	1,140.55	-34.5%	958	382.86	150.3%
COMEX E-Mini SILVER	QI	96	42.35	127.2%	124.2	-22.5%	197	53.18	269.8%
COMEX COPPER	HG	79,320	70,306.85	12.8%	105,832.8	-25.1%	95,273	129,802	-26.6%
COMEX MINY COPPER	QC	15	13.1	16.3%	24.85	-38.7%	30	20.62	43.4%
ALUMINUM	A38	0	2	-100.0%	0	-	0	0.44	-80.4%
ALUMINUM	AEP	109	74.55	46.0%	372.6	-70.8%	125	79.63	57.6%
ALUMINUM	ALA	1	0	-	12.1	-92.1%	5	22.84	-79.5%
ALUMINUM	ALI	130	0	-	148.15	-12.5%	62	0	-
ALUMINUM	AUP	348	171.7	102.9%	591.55	-41.1%	324	392.55	-17.4%
ALUMINUM	CUP	14	0	-	0	-	1	0.81	46.3%
ALUMINUM	EDP	52	31.7	62.7%	228.8	-77.5%	109	70.36	54.6%
ALUMINUM	MJP	50	39	28.2%	12	316.7%	46	52.2	-12.1%
COPPER	HGS	59	51.55	14.9%	29.1	103.6%	44	68.63	-35.4%
FERROUS PRODUCTS	BUS	17	60	-71.7%	57.9	-70.7%	49	80.06	-38.3%
GOLD	SGC	39	0	-	220.85	-82.2%	59	0	-
GOLD	SGU	311	0	-	763.2	-59.2%	111	0	-
Gold Kilo	GCK	0	0	-	0	-	0	0.54	-100.0%
IRON ORE 62 CHINA PLATTS FUTURES	PIO	0	0	-	0	-	0	0	-
IRON ORE 62 CHINA TSI FUTURES	TIO	75	79.05	-5.7%	95.95	-22.3%	215	175.11	22.7%
LNDN ZINC	ZNC	0	29.1	-100.0%	0	-	5	55.78	-91.2%
MICRO GOLD	MGC	24,425	7,773.1	214.2%	34,602.15	-29.4%	22,650	7,147.13	216.9%
SILVER	SIL	1,322	536.5	146.4%	2,726.8	-51.5%	1,406	398.88	252.6%

### Metals Options

COMEX COPPER	HX	2,555	1,276.85	100.1%	2,849.75	-10.4%	2,797	1,395.95	100.4%
COMEX GOLD	OG	40,822	48,545.25	-15.9%	47,536	-14.1%	59,698	46,631.96	28.0%
COMEX SILVER	SO	7,613	5,736.85	32.7%	8,034.9	-5.2%	8,763	7,330.11	19.5%
COPPER	H1E	6	0.8	614.3%	9.25	-38.2%	3	0.71	329.2%

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COPPER	H2E	6	0.3	1931.8%	7	-12.9%	4	0.61	592.2%
COPPER	H3E	5	0.3	1661.9%	1.9	178.2%	4	0.47	852.2%
COPPER	H4E	0	0.3	-84.1%	2.55	-98.1%	1	0.7	103.9%
COPPER	H5E	0	0	-	25.3	-100.0%	2	0.05	4927.1%
GOLD	OG1	1,935	740.45	161.3%	1,133.5	70.7%	1,958	545.04	259.2%
GOLD	OG2	2,176	811.3	168.2%	2,062.2	5.5%	1,829	512.4	257.0%
GOLD	OG3	2,204	938.1	134.9%	2,366.65	-6.9%	1,545	574.6	168.8%
GOLD	OG4	834	488.6	70.6%	1,095.6	-23.9%	965	350.22	175.6%
GOLD	OG5	0	0	-	1,053.5	-100.0%	331	130.4	153.9%
HOT ROLLED COIL STEEL CALL OPTION	HRO	0	0	-	0	-	4	1.19	250.0%
HOT ROLLED COIL STEEL PUT OPTION	HRO	0	0	-	7.5	-100.0%	1	0	-
IRON ORE 62 CHINA TSI CALL OPTION	ICT	0	0	-	0	-	27	0.79	3314.8%
IRON ORE 62 CHINA TSI PUT OPTION	ICT	1	0	-	0	-	14	5.08	183.6%
NYMEX PLATINUM	PO	198	127.65	54.9%	103.7	90.7%	164	180.05	-8.7%
PALLADIUM	PAO	30	42.25	-28.0%	65.4	-53.5%	57	117.19	-51.5%
SILVER	SO1	248	11.95	1972.1%	76.75	222.6%	107	22.97	365.8%
SILVER	SO2	291	29.5	885.8%	155.25	87.3%	107	22.65	372.4%
SILVER	SO3	78	85.9	-9.0%	114.8	-31.9%	78	33.69	132.1%
SILVER	SO4	84	28.35	197.6%	36.35	132.1%	35	17.8	97.5%
SILVER	SO5	0	0	-	69.3	-100.0%	22	10.9	97.3%

### Energy Futures

CRUDE OIL PHY	CL	920,343	1,145,434.65	-19.7%	953,307.45	-3.5%	1,156,608	1,216,718.28	-4.9%
CRUDE OIL	WS	12	0	-	0	-	67	62.06	8.3%
MINY WTI CRUDE OIL	QM	14,738	30,884.55	-52.3%	17,947.55	-17.9%	21,710	18,621.28	16.6%
BRENT OIL LAST DAY	BZ	84,813	83,045.7	2.1%	87,079	-2.6%	101,654	86,610.24	17.4%
HEATING OIL PHY	HO	176,986	161,949.95	9.3%	198,689.3	-10.9%	172,225	183,642.39	-6.2%
HTG OIL	BH	0	0	-	0	-	0	0.48	-20.0%
MINY HTG OIL	QH	0	0.15	-36.5%	0.2	-52.4%	0	0.19	-19.1%
RBOB PHY	RB	163,706	170,235.05	-3.8%	179,285.2	-8.7%	197,825	196,880.59	0.5%
MINY RBOB GAS	QU	0	0.2	-4.8%	0.3	-36.5%	0	0.19	55.3%
NATURAL GAS	HP	5,465	4,675.3	16.9%	4,842.8	12.8%	5,398	5,706.42	-5.4%
LTD NAT GAS	HH	11,855	19,716.1	-39.9%	14,578.8	-18.7%	14,133	18,170.94	-22.2%

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MINY NATURAL GAS	QG	2,550	2,278.9	11.9%	2,905.85	-12.3%	1,742	1,718.41	1.4%
PJM MONTHLY	JM	0	0	-	0	-	0	0	-
NATURAL GAS PHY	NG	444,635	392,563.7	13.3%	498,025	-10.7%	410,296	453,397.13	-9.5%
RBOB GAS	RT	0	0	-	0	-	0	57.09	-99.4%
3.5% FUEL OIL CID MED SWA	7D	0	0.5	-100.0%	0	-	0	2.47	-84.4%
3.5% FUEL OIL CIF BALMO S	8D	0	0	-	0	-	0	0.38	-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	196	786.95	-75.0%	196.75	-0.2%	363	1,018.87	-64.4%
ARGUS PROPAN FAR EST INDE	7E	187	153.55	22.1%	259.5	-27.8%	283	272.18	4.1%
ARGUS PROPAN(SAUDI ARAMCO	9N	154	88.9	73.0%	137.35	11.9%	143	130.65	9.1%
AUSTRIALIAN COKE COAL	ACT	0	0	-	0	-	0	0.08	-100.0%
AUSTRIALIAN COKE COAL	ALW	0	0	-	0	-	0	0	-
BRENT BALMO SWAP	J9	0	0	-	0	-	8	1.13	587.7%
BRENT CALENDAR SWAP	CY	181	79.4	127.9%	381.9	-52.6%	340	158.04	114.9%
BRENT CFD SWAP	6W	0	0	-	0	-	0	1.19	-100.0%
BRENT FINANCIAL FUTURES	BB	0	0	-	0	-	28	82.79	-66.4%
BRENT FINANCIAL FUTURES	MBC	0	0	-	2.9	-100.0%	6	0.5	1111.7%
BRENT FINANCIAL FUTURES	MDB	0	0	-	0	-	0	0.89	-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	0.14	-100.0%
CHICAGO ETHANOL SWAP	CU	2,896	3,950.85	-26.7%	3,778.2	-23.4%	4,636	4,497.68	3.1%
CHICAGO ULSD PL VS HO SPR	5C	32	41.55	-23.8%	32.55	-2.7%	27	23.17	14.4%
CHICAGO UNL GAS PL VS RBO	3C	0	6.25	-100.0%	0	-	5	4.27	27.4%
CIG BASIS	CI	0	0	-	0	-	0	0.88	-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	21	62.7	-66.6%	0	-	21	54.09	-61.0%
CIN HUB 5MW REAL TIME O P	H4	0	0	-	0	-	16	0	-
CIN HUB 5MW REAL TIME PK	H3	0	0	-	0	-	1	5.97	-78.4%

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COAL SWAP	ACM	0	0	-	0	-	0	2.26	-100.0%
COLUMB GULF MAINLINE NG B	5Z	0	10.7	-100.0%	0	-	1	0.85	70.1%
CONWAY NATURAL GASOLINE (OPIS) SWA	8L	32	8.85	257.3%	11.1	184.9%	13	11.23	14.7%
CONWAY NORMAL BUTANE (OPIS) SWAP	8M	7	0	-	33.75	-77.8%	22	11.23	96.9%
CONWAY PROPANE 5 DECIMALS SWAP	8K	494	580.7	-14.9%	645.15	-23.4%	680	740.54	-8.2%
CRUDE OIL	LPS	0	220	-100.0%	165	-100.0%	131	211.85	-38.0%
CRUDE OIL OUTRIGHTS	42	12	37.95	-67.4%	14.25	-13.1%	18	13.63	31.3%
CRUDE OIL OUTRIGHTS	CC5	5	11.25	-53.0%	48	-89.0%	19	2.2	781.4%
CRUDE OIL OUTRIGHTS	CPD	0	0	-	0	-	0	11.73	-100.0%
CRUDE OIL OUTRIGHTS	CSW	0	2.25	-100.0%	2	-100.0%	13	9.37	38.9%
CRUDE OIL OUTRIGHTS	DAB	26	0	-	0	-	2	0	-
CRUDE OIL OUTRIGHTS	DBL	0	0	-	0	-	3	0.39	637.3%
CRUDE OIL OUTRIGHTS	GSW	0	0	-	0.75	-100.0%	1	0.42	181.9%
CRUDE OIL OUTRIGHTS	HTT	3,584	1,281.15	179.7%	3,280.25	9.3%	2,844	2,202.85	29.1%
CRUDE OIL OUTRIGHTS	LSW	3	0	-	65.25	-96.0%	18	1.33	1256.1%
CRUDE OIL OUTRIGHTS	SSW	0	0	-	0	-	0	0	-
CRUDE OIL OUTRIGHTS	UMD	0	0	-	0	-	0	19.05	-100.0%
CRUDE OIL OUTRIGHTS	UNS	0	0	-	0	-	0	29.98	-100.0%
CRUDE OIL OUTRIGHTS	WCC	0	0	-	0	-	0	0	-
CRUDE OIL OUTRIGHTS	WCW	63	427	-85.3%	138.5	-54.8%	173	291.9	-40.8%
CRUDE OIL PHY	CLL	0	0	-	0	-	0	0	-
CRUDE OIL PHY	HCL	366	727.3	-49.7%	331.5	10.3%	727	97.78	643.4%
CRUDE OIL SPRDS	38	0	0	-	7.5	-100.0%	1	8.15	-92.7%
CRUDE OIL SPRDS	ANT	9	0	-	0	-	1	0	-
CRUDE OIL SPRDS	HIL	29	0	-	0	-	6	0	-
CRUDE OIL SPRDS	WTT	720	763.75	-5.8%	643	11.9%	967	1,708.54	-43.4%
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	-

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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	0	-	0	-	4	13.33	-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	0.5	-100.0%
DUBAI CRUDE OIL BALMO	BI	0	0	-	0	-	0	0.5	-100.0%
DUBAI CRUDE OIL CALENDAR	DC	26	588.75	-95.7%	12	113.1%	74	442.79	-83.3%
DUTCH TTF NATURAL GAS CAL MONTH FU1	TTF	1,004	129.15	677.5%	1,260.3	-20.3%	587	82	615.9%
EASTERN RAIL DELIVERY CSX	QX	0	0	-	0	-	0	0.97	-100.0%
EAST/WEST FUEL OIL SPREAD	EW	0	0	-	0	-	0	0.74	-89.3%
EIA FLAT TAX ONHWAY DIESE	A5	10	10.15	1.8%	1.8	474.1%	14	13.38	7.9%
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	77.78	-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	219.76	-100.0%
ERCOT HOUSTON Z MCPE 5MW PEAK SWA	I1	0	0	-	0	-	0	7.74	-100.0%
ERCOT NORTH ZMCPE 5MW OFFPEAK	I8	0	0	-	0	-	0	0	-
ERCOT NORTH ZMCPE 5MW OFFPEAK SWA	I6	0	0	-	0	-	0	77.78	-100.0%
ERCOT NORTH ZMCPE 5MW PEAK	I5	0	0	-	0	-	0	20.04	-100.0%
ETHANOL	MTH	0	0	-	0	-	0	0	-
ETHANOL	Z1B	0	0.25	-100.0%	0	-	0	0.02	-100.0%
ETHANOL SWAP	MT2	24	1.5	1471.4%	3.5	573.5%	6	2.78	107.9%
ETHANOL T2 FOB ROTT INCL DUTY SWAP	Z1	160	117.75	35.6%	277.05	-42.4%	176	159.39	10.5%
EURO 1% FUEL OIL NEW BALM	KX	0	0	-	0	-	0	0.13	-90.9%
EURO 3.5% FUEL OIL RDAM B	KR	0	2.9	-100.0%	4.75	-100.0%	2	22.75	-90.1%
EURO 3.5% FUEL OIL SPREAD	FK	1	1	-23.8%	0.5	52.4%	1	3.41	-77.0%

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EURO-DENOMINATED PETRO PROD	NCP	0	0	-	0	-	0	2.54	-100.0%
EURO GASOIL 10PPM VS ICE	ET	1	0	-	0	-	0	1.47	-94.6%
EUROPE 1% FUEL OIL NWE CA	UF	0	1.2	-84.1%	0	-	3	2.26	13.7%
EUROPE 1% FUEL OIL RDAM C	UH	0	0	-	0	-	0	0.01	-100.0%
EUROPE 3.5% FUEL OIL MED	UI	1	0.5	166.7%	0.75	77.8%	2	3.97	-57.2%
EUROPE 3.5% FUEL OIL RDAM	UV	21	80.35	-73.7%	57.6	-63.4%	44	312.31	-86.0%
EUROPEAN GASOIL (ICE)	7F	2	8.8	-78.4%	4.2	-54.6%	5	28.19	-82.2%
EUROPEAN NAPHTHA BALMO	KZ	1	2.4	-70.2%	0.75	-4.8%	6	12.25	-52.6%
EUROPEAN NAPHTHA CRACK SPR	EN	52	169.95	-69.5%	155.05	-66.5%	165	423.77	-61.0%
EUROPE DATED BRENT SWAP	UB	0	29	-100.0%	0	-	6	21.03	-69.2%
EUROPE JET KERO NWE CALSW	UJ	0	0	-	0	-	0	0.15	-79.5%
EUROPE NAPHTHA CALSWAP	UN	39	83.45	-53.3%	28.35	37.6%	71	157.84	-55.0%
EURO PROPANE CIF ARA SWA	PS	35	47.1	-26.6%	97.05	-64.4%	86	84.37	2.0%
FREIGHT MARKETS	ACB	6	0	-	0	-	5	0	-
FREIGHT MARKETS	BF1	1	0	-	0	-	0	0	-
FREIGHT MARKETS	BF2	1	0	-	0	-	0	0	-
FREIGHT MARKETS	BF3	0	0	-	0	-	0	0	-
FREIGHT MARKETS	FLP	6	17.4	-68.0%	1.25	345.7%	6	10.05	-35.5%
FREIGHT MARKETS	FRC	0	0	-	0	-	7	2.38	175.3%
FREIGHT MARKETS	FRS	0	0	-	0.5	-100.0%	0	0	-
FREIGHT MARKETS	T2D	1	15.5	-95.4%	19.5	-96.3%	24	19.77	22.5%
FREIGHT MARKETS	TC6	0	0	-	0	-	0	0.95	-100.0%
FREIGHT MARKETS	TD3	0	0	-	0	-	1	0.12	366.9%
FREIGHT MARKETS	TD8	0	0	-	0	-	0	0.6	-60.0%
FREIGHT MARKETS	USC	0	0	-	0	-	1	0	-
FUEL OIL CRACK VS ICE	FO	93	55.4	68.2%	102.45	-9.0%	84	153.21	-45.3%
FUEL OIL NWE CRACK VS ICE	FI	0	0	-	0	-	0	0.68	-91.2%
FUEL OIL (PLATS) CAR CM	1W	0	0	-	0	-	0	0.61	-96.1%
FUEL OIL (PLATS) CAR CN	1X	0	0	-	0	-	0	0.48	-100.0%
FUELOIL SWAP:CARGOES VS.B	FS	2	21.2	-88.8%	2.75	-13.4%	6	10.13	-36.0%
GAS EURO-BOB OXY NWE BARGES	7H	61	232.5	-73.9%	94.5	-35.7%	204	342.19	-40.5%
GAS EURO-BOB OXY NWE BARGES CRK	7K	159	403.75	-60.5%	430.3	-63.0%	356	818.36	-56.5%
GASOIL 0.1CIF MED VS ICE	Z5	0	0	-	0	-	0	0.04	-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	0.04	109.8%
GASOIL 0.1 ROTTERDAM BARG	VL	0	0.5	-4.8%	0	-	1	5.98	-90.1%

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<b>Energy Futures</b>									
GASOIL 10PPM VS ICE SWAP	TP	0	0.45	-100.0%	0	-	0	0.08	85.8%
GASOIL CALENDAR SWAP	GX	1	0	-	6.1	-76.6%	1	0.26	362.1%
GASOIL CRACK SPREAD CALEN	GZ	10	59.4	-83.6%	183.6	-94.7%	43	155.93	-72.7%
GASOIL MINI CALENDAR SWAP	QA	42	6	607.9%	71.65	-40.7%	25	11.69	109.5%
GERMAN POWER BASELOAD CAL MONTH F	DEB	131	48.1	171.6%	40.55	222.1%	106	21.59	390.6%
GROUP THREE ULSD (PLATTS)	A7	0	0	-	0	-	0	0.99	-100.0%
GROUP THREE UNLEAD GAS (P	A9	0	0	-	0	-	1	1.69	-29.4%
GRP THREE ULSD(PLT)VS HEA	A6	101	163.4	-38.0%	50.75	99.7%	153	168.76	-9.3%
GRP THREE UNL GS (PLT) VS	A8	103	124.75	-17.7%	59.25	73.2%	117	102.53	14.0%
GULF COAST 3% FUEL OIL BA	VZ	17	22.3	-22.5%	15.2	13.7%	36	55.75	-34.6%
GULF COAST JET FUEL CLNDR	GE	8	10.2	-24.4%	0	-	2	6.37	-73.3%
GULF COAST JET VS NYM 2 H	ME	348	826.25	-57.8%	358	-2.7%	865	1,602.83	-46.0%
GULF COAST NO.6 FUEL OIL	MF	815	1,531.95	-46.8%	761.45	7.0%	1,025	2,414.64	-57.6%
GULF COAST NO.6 FUEL OIL	MG	26	46.8	-44.0%	35	-25.2%	15	72.39	-79.8%
GULF COAST ULSD CALENDAR	LY	11	18.85	-40.1%	4.8	135.1%	16	15.67	2.6%
GULF COAST ULSD CRACK SPR	GY	0	0	-	0	-	1	6.57	-78.2%
HEATING OIL BALMO CLNDR S	1G	2	0	-	0	-	2	0.96	149.0%
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	0	0	-	248	-100.0%	84	127.33	-34.0%
HENRY HUB FINANCIAL LAST	NBP	0	0	-	0	-	0	106.42	-100.0%
HENRY HUB FINANCIAL LAST	TTE	0	0	-	0	-	0	3.51	-100.0%
HENRY HUB INDEX SWAP FUTU	IN	0	0	-	248	-100.0%	84	127.33	-34.0%
HENRY HUB SWAP	NN	9,298	5,329.8	74.4%	4,443.3	109.3%	4,981	7,760.76	-35.8%
HOUSTON SHIP CHANNEL BASI	NH	0	0	-	0	-	3	0	-
ICE BRENT DUBAI SWAP	DB	91	127.5	-28.5%	393.75	-76.8%	258	424.04	-39.2%
IN DELIVERY MONTH EUA	6T	0	0	-	0	-	0	4.95	-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	10	2	390.5%	6.25	57.0%	15	6.98	110.9%
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	7.5	-89.6%
JAPAN C&F NAPHTHA SWAP	JA	12	41.45	-69.9%	10.3	21.1%	41	91.44	-55.1%

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<b>Energy Futures</b>									
JAPAN NAPHTHA BALMO SWAP	E6	1	0.45	196.3%	0	-	1	2.53	-43.3%
JET AV FUEL (P) CAR FM ICE GAS SWAP	1V	0	0	-	0	-	0	0.02	-100.0%
JET CIF NWE VS ICE	JC	0	1.75	-100.0%	0	-	1	2.69	-61.3%
JET FUEL CRG CIF NEW VS I	6X	0	0	-	0	-	1	0	-
JET FUEL UP-DOWN BALMO CL	1M	107	285.25	-62.5%	88.75	20.5%	181	282.83	-36.0%
JKM LNG Futures	JKM	30	31	-4.0%	168.3	-82.3%	85	64.68	31.1%
LA CARB DIESEL (OPIS) SWA	KL	0	9.6	-100.0%	0	-	2	13.04	-87.8%
LA CARBOB GASOLINE(OPIS)S	JL	5	8	-40.5%	0	-	12	22.5	-47.5%
LA JET (OPIS) SWAP	JS	43	29.75	44.1%	13.75	211.7%	55	86.4	-36.7%
LLS (ARGUS) CALENDAR SWAP	XA	0	0	-	0	-	0	2.41	-100.0%
LLS (ARGUS) VS WTI SWAP	WJ	0	59.75	-100.0%	62.2	-100.0%	79	240.57	-67.0%
LOS ANGELES CARB GASOLINE	MH	0	0	-	0	-	0	0.04	0.0%
MARS (ARGUS) VS WTI SWAP	YX	61	1.25	4757.1%	10	507.1%	64	88.47	-28.1%
MARS (ARGUS) VS WTI TRD M	YV	802	665	20.6%	655.25	22.4%	857	925.66	-7.5%
MARS BLEND CRUDE OIL	MB	0	0	-	0	-	0	9.2	-100.0%
MCCLOSKEY ARA ARGS COAL	MTF	975	576.55	69.2%	1,526.1	-36.1%	1,419	1,087.98	30.4%
MCCLOSKEY RCH BAY COAL	MFF	43	48.75	-11.8%	77.2	-44.3%	103	132.09	-22.3%
MGF FUT	MGF	0	0	-	0	-	0	1.06	-96.3%
MGN1 SWAP FUT	MGN	1	5.5	-74.0%	0.5	185.7%	2	3.66	-41.5%
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	4	5.2	-17.6%	4.2	2.0%	9	15.48	-44.4%
MINI RBOB V. EBOBARG NWE BRGS BALMO	MXR	0	17.9	-100.0%	0	-	16	14.85	4.5%
MINI RBOB V. EBOB(ARGUS) NWE BRGS	MXB	32	41.75	-23.9%	53.6	-40.7%	84	82.97	0.7%
MJC FUT	MJC	0	0	-	0	-	1	5.79	-89.7%
MNC FUT	MNC	68	142.7	-52.2%	69.25	-1.6%	148	193.03	-23.1%
MONT BELVIEU ETHANE 5 DECIMAL	C0	687	855.6	-19.7%	590.65	16.4%	745	753.66	-1.1%
MONT BELVIEU ETHANE OPIS BALMO	8C	17	10.5	57.4%	5.5	200.4%	7	7.54	-2.6%
MONT BELVIEU LDH PROPANE 5 DECIMAL	B0	6,185	3,984.35	55.2%	6,769.3	-8.6%	6,816	5,802.29	17.5%
MONT BELVIEU LDH PROPANE OPIS BALM	8O	45	147.8	-69.6%	88.2	-49.0%	125	118.95	5.1%
MONT BELVIEU NATURAL GASOLINE 5 DEC	7Q	317	290.5	9.0%	724.3	-56.3%	418	387.92	7.8%
MONT BELVIEU NATURAL GASOLINE BALM	R0	30	28.25	5.4%	34.25	-13.1%	31	16.63	85.7%
MONT BELVIEU NORMAL BUTANE 5 DECIM	D0	2,484	1,359.8	82.6%	2,851.1	-12.9%	2,308	1,694.92	36.2%
MONT BELVIEU NORMAL BUTANE BALMO	8J	67	45.8	46.3%	45.8	46.3%	61	51.21	18.7%
NAT GAS BASIS SWAP	TZ6	0	0	-	0	-	0	0	-



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<b>Energy Futures</b>									
NATURAL GAS	XIC	0	0	-	0	-	0	0	-
NATURAL GAS PEN SWP	NP	779	1,612.05	-51.6%	1,682.7	-53.7%	1,372	1,676.31	-18.2%
NEPOOL CNCTCT 5MW D AH O	P3	0	0	-	0	-	0	0	-
NEPOOL CONECTIC 5MW D AH	P2	0	0	-	0	-	0	0	-
NEPOOL INTR HUB 5MW D AH	H2	0	0	-	0	-	284	541.43	-47.5%
NEPOOL INTR HUB 5MW D AH	U6	0	0	-	0	-	1	50.44	-98.3%
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	33	27.75	19.3%	69	-52.0%	40	49.93	-20.2%
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	-	7	18.84	-62.9%
NGPL TEX/OK	PD	0	120	-100.0%	0	-	11	198.87	-94.6%
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	7.5	-100.0%	0	-	4	12.43	-70.5%
NORTHEN NATURAL GAS DEMAR	PE	0	0	-	0	-	0	0	-
NORTHEN NATURAL GAS VENTU	PF	0	0	-	0	-	0	0.4	-100.0%
NORTHWEST ROCKIES BASIS S	NR	0	0	-	0	-	12	0	-
N ROCKIES PIPE SWAP	XR	0	0	-	0	-	0	0.23	-100.0%
NY1% VS GC SPREAD SWAP	VR	22	73.25	-70.1%	15.25	43.6%	22	61	-64.6%
NY 3.0% FUEL OIL (PLATTS	H1	0	5.5	-100.0%	0	-	3	7.56	-59.3%
NY HARBOR 1% FUEL OIL BAL	VK	0	0	-	0	-	0	0.2	-50.0%
NY HARBOR HEAT OIL SWP	MP	58	83.85	-30.8%	35.75	62.4%	96	116.9	-17.7%
NY HARBOR LOW SULPUR GAS 1000MBBL	NLS	0	0	-	0	-	2	13.67	-88.7%
NY HARBOR RESIDUAL FUEL 1	MM	45	63.25	-28.6%	115.25	-60.8%	41	50.31	-18.6%
NY HARBOR RESIDUAL FUEL C	ML	0	0	-	0	-	0	0.2	-100.0%
NYH NO 2 CRACK SPREAD CAL	HK	67	3	2138.1%	7.5	795.2%	26	34.27	-23.7%
NYISO CAPACITY	LHV	0	6	-100.0%	0	-	2	3.04	-19.1%
NYISO CAPACITY	NNC	0	0	-	0	-	0	3.15	-100.0%
NYISO CAPACITY	NRS	0	3	-100.0%	0	-	0	1.57	-84.8%

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<b>Energy Futures</b>									
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	175.65	-100.0%
NYISO ZONE A 5MW D AH PK	K3	0	0	-	0	-	0	7.5	-100.0%
NYISO ZONE G 5MW D AH O P	D2	0	0	-	0	-	402	2,485.65	-83.8%
NYISO ZONE G 5MW D AH PK	T3	0	0	-	0	-	33	83.96	-60.3%
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	-	8	0	-
NY ULSD (ARGUS) VS HEATING OIL	7Y	31	0	-	0	-	14	0.85	1503.4%
ONEOK OKLAHOMA NG BASIS	8X	0	0	-	0	-	7	10.73	-31.2%
ONTARIO POWER SWAPS	OFD	0	0	-	0	-	0	0	-
ONTARIO POWER SWAPS	OPD	0	0	-	0	-	0	0.04	149.9%
ONTARIO POWER SWAPS	OPM	0	0	-	0	-	0	0	-
PANHANDLE BASIS SWAP FUTU	PH	0	0	-	0	-	0	1.09	-100.0%
PANHANDLE PIPE SWAP	XH	0	0	-	0	-	0	0	-
PERMIAN BASIS SWAP	PM	0	0	-	0	-	0	0	-
PETROCHEMICALS	22	6	6.95	-10.2%	8	-22.0%	8	8.4	-4.9%
PETROCHEMICALS	32	2	5.55	-59.7%	4.45	-49.7%	5	6.92	-32.1%
PETROCHEMICALS	3NA	0	2	-100.0%	0	-	0	0.2	-4.0%
PETROCHEMICALS	51	0	0	-	0	-	0	0.09	243.4%
PETROCHEMICALS	8I	28	6.65	328.2%	52.45	-45.7%	33	27.35	19.9%
PETROCHEMICALS	91	7	11	-32.0%	31.35	-76.2%	23	19.91	14.8%
PETROCHEMICALS	MAA	0	0	-	0	-	1	0.2	460.0%
PETROCHEMICALS	MAE	26	10.8	138.1%	20.4	26.1%	18	11.03	65.8%
PETROCHEMICALS	MAS	8	8.5	-5.9%	2	300.0%	10	8.93	8.8%
PETROCHEMICALS	MBE	0	13.5	-96.5%	35	-98.6%	16	36.35	-56.6%
PETROCHEMICALS	MNB	6	46.6	-86.9%	19.5	-68.7%	26	81.67	-67.7%
PETROCHEMICALS	MPS	17	5.45	205.8%	11.2	48.8%	11	5.8	89.7%
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	19.5	-100.0%	0	-	0	3.13	-100.0%
PETRO CRCKS & SPRDS ASIA	STS	0	0	-	0	-	1	2.14	-38.4%
PETRO CRCKS & SPRDS NA	CRB	214	302.75	-29.3%	210	1.9%	308	142.38	116.0%
PETRO CRCKS & SPRDS NA	EXR	51	88.65	-42.7%	144.35	-64.8%	111	130.88	-15.2%

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<b>Energy Futures</b>									
PETRO CRCKS & SPRDS NA	FOC	0	15	-100.0%	5	-100.0%	15	28.87	-46.8%
PETRO CRCKS & SPRDS NA	GBB	30	101.75	-70.7%	6.25	376.2%	27	58.57	-54.3%
PETRO CRCKS & SPRDS NA	GCC	0	0	-	0	-	0	6.9	-100.0%
PETRO CRCKS & SPRDS NA	GCI	42	17.35	142.9%	62.15	-32.2%	57	59.31	-3.9%
PETRO CRCKS & SPRDS NA	GCM	0	0	-	0	-	1	0.65	84.1%
PETRO CRCKS & SPRDS NA	GCU	95	403.85	-76.4%	412	-76.8%	167	516.87	-67.7%
PETRO CRCKS & SPRDS NA	GFC	0	0	-	0	-	0	0.16	150.0%
PETRO CRCKS & SPRDS NA	HOB	41	4.2	869.4%	37.25	9.3%	77	36.53	110.0%
PETRO CRCKS & SPRDS NA	MFR	0	0	-	0	-	0	0.02	-100.0%
PETRO CRCKS & SPRDS NA	NFG	0	0	-	0	-	0	0.2	-100.0%
PETRO CRCKS & SPRDS NA	NYF	5	0	-	2.5	90.5%	1	0	-
PETRO CRCKS & SPRDS NA	RBB	106	16.25	555.2%	117.4	-9.3%	294	229.9	28.1%
PETRO CRCKS & SPRDS NA	RVG	428	657.1	-34.9%	359.3	19.0%	597	745.52	-19.9%
PETRO CRCKS & SPRDS NA	SF3	3	1.25	109.5%	2.5	4.8%	5	1.47	223.5%
PETRO CRK&SPRD EURO	1NB	25	20.5	22.0%	7.5	233.3%	45	79.87	-44.2%
PETRO CRK&SPRD EURO	1ND	0	0	-	0	-	0	0.4	-100.0%
PETRO CRK&SPRD EURO	43	0	0	-	0	-	1	13.55	-95.5%
PETRO CRK&SPRD EURO	BFR	0	0	-	0	-	0	0	-
PETRO CRK&SPRD EURO	BOB	2	21.85	-91.5%	9.3	-80.0%	21	72.04	-70.5%
PETRO CRK&SPRD EURO	EOB	0	0	-	1.5	-100.0%	0	0.88	-76.1%
PETRO CRK&SPRD EURO	EPN	9	12.75	-27.5%	21.65	-57.3%	25	42.62	-42.0%
PETRO CRK&SPRD EURO	EVC	6	25.2	-77.3%	13.2	-56.7%	28	85.86	-67.7%
PETRO CRK&SPRD EURO	FBT	0	0	-	0	-	0	0	-
PETRO CRK&SPRD EURO	FVB	0	0	-	0	-	0	0.12	-100.0%
PETRO CRK&SPRD EURO	GCB	0	16.25	-100.0%	0	-	2	3.99	-47.6%
PETRO CRK&SPRD EURO	GOC	0	0	-	0	-	0	0.33	-100.0%
PETRO CRK&SPRD EURO	MGB	0	0	-	0	-	1	0.87	-27.3%
PETRO CRK&SPRD EURO	MUD	0	0	-	0	-	1	0.69	-19.1%
PETRO CRK&SPRD EURO	NBB	0	0	-	0	-	0	0.72	-68.1%
PETRO CRK&SPRD EURO	NOB	4	34.2	-88.6%	3.65	7.0%	14	84.9	-83.2%
PETRO CRK&SPRD EURO	SFB	0	0	-	0	-	0	0.5	-55.2%
PETROLEUM PRODUCTS	1NM	6	0	-	1	495.2%	4	0	-
PETROLEUM PRODUCTS	EWG	25	140.6	-82.2%	54.75	-54.3%	94	231.8	-59.4%
PETROLEUM PRODUCTS	H5F	11	0	-	258.4	-95.8%	21	0	-
PETROLEUM PRODUCTS	JCC	0	0	-	0	-	3	0	-
PETROLEUM PRODUCTS	MME	0	0	-	0	-	0	0.24	-100.0%

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<b>Energy Futures</b>									
PETROLEUM PRODUCTS	MPE	0	0	-	0	-	0	0	-
PETROLEUM PRODUCTS	NCC	0	0	-	0	-	0	0	-
PETROLEUM PRODUCTS	R5F	0	0	-	0.65	-26.7%	0	0	-
PETROLEUM PRODUCTS	S53	0	0	-	0	-	0	0	-
PETROLEUM PRODUCTS	UP5	6	0	-	53.25	-89.5%	5	0	-
PETROLEUM PRODUCTS	VU	0	0	-	15	-100.0%	3	5.31	-39.1%
PETROLEUM PRODUCTS ASIA	E6M	0	0	-	1	-100.0%	1	2.83	-76.5%
PETROLEUM PRODUCTS ASIA	MJN	14	70	-80.3%	4	245.2%	56	90.08	-37.7%
PETROLEUM PRODUCTS ASIA	MSB	0	0	-	0	-	0	0	-
PETRO OUTRIGHT EURO	0B	5	1	423.8%	0.8	554.8%	2	0.57	300.7%
PETRO OUTRIGHT EURO	0C	0	0	-	0	-	0	0.09	95.6%
PETRO OUTRIGHT EURO	0D	41	60.25	-32.7%	27.25	48.9%	59	62.69	-6.3%
PETRO OUTRIGHT EURO	0E	0	0.55	-100.0%	0	-	1	0.99	-45.4%
PETRO OUTRIGHT EURO	0F	9	21.95	-60.1%	2.6	237.0%	15	23.87	-37.9%
PETRO OUTRIGHT EURO	1T	0	0	-	0	-	0	0.15	-79.5%
PETRO OUTRIGHT EURO	33	0	0	-	0	-	0	0	-
PETRO OUTRIGHT EURO	5L	0	1.1	-56.7%	0.4	19.1%	1	1.13	-14.0%
PETRO OUTRIGHT EURO	63	0	0	-	0	-	0	0.86	-50.7%
PETRO OUTRIGHT EURO	7I	0	0	-	2.3	-100.0%	4	4.9	-20.2%
PETRO OUTRIGHT EURO	7R	1	3.85	-85.2%	3.5	-83.7%	5	12.23	-56.0%
PETRO OUTRIGHT EURO	88	0	0	-	0	-	0	0.5	-75.2%
PETRO OUTRIGHT EURO	CBB	0	0	-	0	-	0	0.32	-37.5%
PETRO OUTRIGHT EURO	CGB	0	0	-	0	-	0	0	-
PETRO OUTRIGHT EURO	CPB	16	7.75	101.5%	12.75	22.5%	11	14.32	-24.9%
PETRO OUTRIGHT EURO	EFF	1	0	-	1.1	8.2%	1	0.73	18.4%
PETRO OUTRIGHT EURO	EFM	0	0	-	0	-	0	0	-
PETRO OUTRIGHT EURO	ENS	0	0.25	-100.0%	0	-	1	0.6	8.7%
PETRO OUTRIGHT EURO	EWN	4	29.95	-86.2%	3.15	31.5%	17	33.58	-48.5%
PETRO OUTRIGHT EURO	FLB	0	0	-	0	-	0	0.02	20.2%
PETRO OUTRIGHT EURO	GES	0	0	-	0	-	0	0.02	-100.0%
PETRO OUTRIGHT EURO	H5G	16	0	-	45.9	-64.2%	6	0	-
PETRO OUTRIGHT EURO	M1B	28	0	-	35	-19.5%	9	0	-
PETRO OUTRIGHT EURO	M35	0	0	-	0	-	0	0	-
PETRO OUTRIGHT EURO	MBB	0	0	-	0.25	-100.0%	0	1.27	-98.4%
PETRO OUTRIGHT EURO	MBN	18	52.2	-66.2%	0.5	3423.8%	14	40.32	-64.6%
PETRO OUTRIGHT EURO	MEF	2	15.6	-88.4%	10.75	-83.2%	14	7.19	95.1%

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<b>Energy Futures</b>									
PETRO OUTRIGHT EURO	R53	0	0	-	4.8	-100.0%	1	0	-
PETRO OUTRIGHT EURO	R5M	12	0	-	11.25	9.6%	7	0	-
PETRO OUTRIGHT EURO	R5O	16	0	-	3.7	337.6%	10	0	-
PETRO OUTRIGHT EURO	S5F	1	0	-	1.35	-33.0%	1	0	-
PETRO OUTRIGHT EURO	S5M	36	0	-	22.25	61.8%	10	0	-
PETRO OUTRIGHT EURO	S5O	17	0	-	9.3	82.3%	3	0	-
PETRO OUTRIGHT EURO	SMU	6	0	-	0	-	4	2.19	75.4%
PETRO OUTRIGHT EURO	T0	0	0	-	0	-	0	0.04	-100.0%
PETRO OUTRIGHT EURO	T2B	0	0	-	0	-	0	0	-
PETRO OUTRIGHT EURO	TMB	0	0	-	0	-	0	0	-
PETRO OUTRIGHT EURO	V0	0	0	-	0	-	0	3.89	-100.0%
PETRO OUTRIGHT EURO	X0	0	0	-	0	-	0	0.46	-100.0%
PETRO OUTRIGHT NA	FCB	0	0	-	0	-	2	3.21	-47.3%
PETRO OUTRIGHT NA	FOM	0	0	-	0	-	0	0.03	-100.0%
PETRO OUTRIGHT NA	JE	0	0	-	0	-	1	0.44	116.2%
PETRO OUTRIGHT NA	JET	33	86	-61.2%	51.25	-35.0%	102	139.33	-26.9%
PETRO OUTRIGHT NA	JTB	11	22.5	-52.4%	12.5	-14.3%	31	31.75	-2.5%
PETRO OUTRIGHT NA	MBL	0	0	-	2.5	-81.0%	1	0.16	735.2%
PETRO OUTRIGHT NA	MEN	5	4.7	6.4%	3.9	28.2%	7	19.23	-61.6%
PETRO OUTRIGHT NA	MEO	35	70.25	-50.3%	99.75	-65.0%	100	158.37	-36.8%
PETRO OUTRIGHT NA	MFD	8	0	-	1.75	368.0%	2	0.4	445.0%
PETRO OUTRIGHT NA	MMF	2	2	-16.7%	0	-	3	1.03	228.5%
PETRO OUTRIGHT NA	XER	0	0	-	0	-	0	1.19	-100.0%
PJM AD HUB 5MW REAL TIME	V3	0	372	-100.0%	0	-	465	286.5	62.3%
PJM AD HUB 5MW REAL TIME	Z9	0	42	-100.0%	0	-	10	60.31	-83.2%
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	42	-100.0%	0	-	15	28.65	-46.7%
PJM NI HUB 5MW REAL TIME	B6	0	0	-	0	-	278	23.51	1081.4%

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<b>Energy Futures</b>									
PJM NILL DA OFF-PEAK	L3	0	0	-	0	-	0	3.06	-100.0%
PJM NILL DA PEAK	N3	0	0	-	0	-	0	0.25	-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	11.75	-100.0%
PJM PSEG DA OFF-PEAK	W6	0	0	-	0	-	0	312.62	-100.0%
PJM PSEG DA PEAK	L6	0	0	-	0	-	0	16.81	-100.0%
PJM WESTH DA OFF-PEAK	E4	0	0	-	0	-	0	404.01	-100.0%
PJM WESTHDA PEAK	J4	0	0	-	0	-	0	21.92	-100.0%
PJM WESTH RT OFF-PEAK	N9	0	1,002	-100.0%	0	-	187	1,557.62	-88.0%
PJM WESTH RT PEAK	L1	294	143	105.4%	0	-	237	253.37	-6.3%
PLASTICS	PGP	18	26.85	-32.6%	36.8	-50.8%	33	22.06	49.8%
PREMIUM UNLD 10P FOB MED	3G	0	16	-100.0%	1.05	-100.0%	3	12.53	-72.8%
PREMIUM UNLEAD 10PPM FOB	8G	0	0	-	0	-	1	1.76	-68.6%
PREM UNL GAS 10PPM RDAM FOB BALMO	7N	0	0	-	0	-	0	0.33	-75.9%
PREM UNL GAS 10PPM RDAM FOB SWAP	7L	0	2	-100.0%	0	-	0	1.45	-90.4%
PROPANE NON-LDH MB (OPIS) BALMO SWP	1S	41	90.85	-55.2%	38.65	5.3%	65	27.83	132.4%
PROPANE NON-LDH MT. BEL (OPIS) SWP	1R	913	583.3	56.5%	1,542.45	-40.8%	953	598.58	59.3%
RBOB CALENDAR SWAP	RL	208	160.05	29.8%	311.35	-33.3%	269	259.33	3.7%
RBOB CRACK SPREAD	RM	27	3.75	623.8%	103	-73.6%	56	38.33	46.3%
RBOB CRACK SPREAD BALMO S	1E	0	0	-	0	-	0	0	-
RBOB GASOLINE BALMO CLNDR	1D	33	25.45	29.7%	79.35	-58.4%	44	46.38	-5.0%
RBOB PHY	RBL	0	0	-	0	-	0	0	-
RBOB SPREAD (PLATTS) SWAP	RI	0	0	-	0	-	0	0	-
RBOB VS HEATING OIL SWAP	RH	0	0	-	0	-	1	7.84	-92.4%
SAN JUAN BASIS SWAP	NJ	0	0	-	0	-	0	0.23	-100.0%
SAN JUAN PIPE SWAP	XX	0	0	-	0	-	0	1.43	-100.0%
SINGAPORE 180CST BALMO	BS	0	0.8	-100.0%	0	-	1	1.98	-53.9%
SINGAPORE 380CST BALMO	BT	0	8	-97.0%	5.8	-95.9%	4	9.74	-61.8%
SINGAPORE 380CST FUEL OIL	SE	29	193.15	-84.8%	106.7	-72.5%	122	380.26	-68.0%
SINGAPORE FUEL 180CST CAL	UA	4	10.05	-61.6%	5.15	-25.1%	10	34.46	-71.1%
SINGAPORE FUEL OIL SPREAD	SD	4	3.75	14.3%	2.45	74.9%	3	24.85	-87.6%
SINGAPORE GASOIL	MAF	39	134.75	-71.2%	118.6	-67.2%	93	18.84	392.2%
SINGAPORE GASOIL	MTB	3	3.05	1.5%	3.25	-4.8%	3	2.44	25.5%
SINGAPORE GASOIL	MTS	40	146.75	-73.0%	86.25	-54.1%	155	221.65	-29.9%
SINGAPORE GASOIL	STZ	0	0	-	0	-	0	17.06	-100.0%
SINGAPORE GASOIL CALENDAR	GDH	0	0	-	0	-	0	0.2	-100.0%

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<b>Energy Futures</b>									
SINGAPORE GASOIL CALENDAR	GDL	0	0	-	0	-	0	0.99	-100.0%
SINGAPORE GASOIL CALENDAR	GHS	0	0.45	-100.0%	0	-	1	0.04	2901.1%
SINGAPORE GASOIL CALENDAR	MGO	0	1.05	-100.0%	0	-	0	0.88	-100.0%
SINGAPORE GASOIL CALENDAR	MSG	64	12.5	411.6%	15.65	308.6%	14	20.37	-33.3%
SINGAPORE GASOIL CALENDAR	SGG	0	0	-	0	-	0	1.29	-100.0%
SINGAPORE GASOIL SWAP	SG	71	104.25	-31.8%	64.65	10.0%	48	195.81	-75.6%
SINGAPORE GASOIL VS ICE	GA	4	66.25	-94.6%	4.5	-20.6%	19	516.42	-96.3%
SINGAPORE JET KERO BALMO	BX	0	0	-	0	-	0	0.85	-76.7%
SINGAPORE JET KERO GASOIL	RK	0	26.25	-100.0%	0	-	0	140.26	-99.7%
SINGAPORE JET KEROSENE SW	KS	67	8.75	669.5%	24.5	174.8%	31	53.37	-41.2%
SINGAPORE JET KERO VS. GASOIL BALMO	Z0	0	0	-	0	-	0	1.59	-100.0%
SINGAPORE MOGAS 92 UNLEADED BALMO	1P	0	14.8	-100.0%	0	-	6	24.08	-75.3%
SINGAPORE MOGAS 92 UNLEADED SWP	1N	325	506.3	-35.7%	298.6	9.0%	401	643.17	-37.6%
SINGAPORE NAPHTHA SWAP	SP	0	0	-	0	-	0	0.79	-100.0%
SING FUEL	MSD	0	0	-	1.25	-100.0%	0	0.4	-70.0%
SOUTH STAR TEX OKLHM KNS	8Z	0	0	-	0	-	0	0	-
Sumas Basis Swap	NK	0	0	-	0	-	0	0.36	-100.0%
TC2 ROTTERDAM TO USAC 37K	TM	0	0	-	1.25	-81.0%	10	4.17	133.9%
TC5 RAS TANURA TO YOKOHAM	TH	9	24	-61.3%	0.75	1138.1%	14	6.61	116.9%
TCO BASIS SWAP	TC	0	42.8	-100.0%	0	-	0	3.4	-100.0%
TD3 MEG TO JAPAN 250K MT	TL	115	156.25	-26.6%	141.8	-19.1%	243	82.03	196.0%
TENNESSEE ZONE 0 BASIS SW	NQ	0	0	-	0	-	0	0	-
Tetco STX Basis	TX	0	0	-	0	-	0	0	-
TEXAS EASTERN ZONE M-3 BA	NX	0	0	-	0	-	0	0	-
TEXAS GAS ZONE1 NG BASIS	9F	0	0	-	0	-	0	0	-
Transco Zone 3 Basis	CZ	0	0	-	0	-	0	0	-
TRANSCO ZONE4 BASIS SWAP	TR	0	0	-	0	-	0	0	-
TRANSCO ZONE 6 BASIS SWAP	NZ	0	0	-	0	-	0	0	-
UCM FUT	UCM	0	1	-100.0%	0	-	0	0.32	-75.0%
UK NBP NAT GAS CAL MTH FUT	UKG	53	48.5	8.6%	14.75	257.1%	30	195.96	-84.9%
ULSD 10PPM CIF MED VS ICE	Z7	0	0	-	0	-	0	0.06	-100.0%
ULSD UP-DOWN BALMO SWP	1L	456	180	153.3%	247.5	84.2%	281	268.55	4.7%
UP DOWN GC ULSD VS NMX HO	LT	1,379	1,038.6	32.8%	1,960.55	-29.7%	1,624	1,521.69	6.7%
WAHA BASIS	NW	0	12.5	-100.0%	0	-	3	13.69	-81.2%
WESTERN RAIL DELIVERY PRB	QP	0	0	-	0	-	0	0.1	-100.0%
WTI-BRENT BULLET SWAP	BY	12	0	-	0	-	9	26.39	-66.9%

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<b>Energy Futures</b>									
WTI-BRENT CALENDAR SWAP	BK	1,510	671.95	124.7%	1,738.25	-13.1%	1,702	1,376.79	23.6%
WTI CALENDAR	CS	2,395	1,289.75	85.7%	3,003.8	-20.3%	2,035	1,584.82	28.4%
WTS (ARGUS) VS WTI SWAP	FF	303	128.7	135.8%	72	321.5%	208	362.31	-42.5%
WTS (ARGUS) VS WTI TRD MT	FH	0	6	-100.0%	5.75	-100.0%	29	25.18	14.6%
<b>Energy Options</b>									
BRENT 1 MONTH CAL	AA	0	0	-	0	-	0	11.9	-100.0%
BRENT CALENDAR SWAP	BA	9	150	-94.1%	45	-80.3%	19	65.33	-70.3%
BRENT CRUDE OIL 12 M CSO	9Y	0	0	-	0	-	0	7.94	-100.0%
BRENT CRUDE OIL 1 M CSO	9C	5	600	-99.2%	0	-	142	1,678.92	-91.5%
BRENT CRUDE OIL 6 M CSO	9L	0	0	-	0	-	0	3.97	-100.0%
BRENT OIL LAST DAY	BE	798	3,244.1	-75.4%	650	22.7%	1,477	1,861.34	-20.6%
BRENT OIL LAST DAY	BZO	2,529	4,927.6	-48.7%	3,907.7	-35.3%	4,320	7,806.62	-44.7%
BRENT OIL LAST DAY	OS	0	5	-100.0%	0	-	0	5.12	-100.0%
COAL API2 INDEX	CLA	0	2.5	-100.0%	0	-	1	26.35	-96.6%
COAL API2 INDEX	CQA	0	0	-	0	-	3	14.5	-77.2%
COAL API4 INDEX	RLA	0	0	-	0	-	0	0.1	-100.0%
COAL API4 INDEX	RQA	0	0	-	0	-	0	0.24	-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	5,050	8,975	-43.7%	5,457.5	-7.5%	9,765	9,566.07	2.1%
CRUDE OIL APO	AO	4,720	2,397.45	96.9%	5,267.4	-10.4%	2,538	2,122.41	19.6%
CRUDE OIL CALNDR STRIP	6F	10	0	-	0	-	2	0.67	135.3%
CRUDE OIL OUTRIGHTS	AH	0	0	-	0	-	0	31.75	-100.0%
CRUDE OIL OUTRIGHTS	WCI	0	0	-	0	-	4	1.55	146.2%
CRUDE OIL PHY	CD	24	25	-4.8%	0	-	7	84.72	-91.6%
CRUDE OIL PHY	LC	701	1,002.55	-30.1%	922.4	-24.0%	551	591.37	-6.8%
CRUDE OIL PHY	LO	95,122	161,351.4	-41.0%	96,349.45	-1.3%	124,012	176,674.53	-29.8%
CRUDE OIL PHY	LO1	1,803	967.75	86.3%	787.7	128.9%	834	749.77	11.2%
CRUDE OIL PHY	LO2	1,268	36.9	3336.1%	626.8	102.3%	711	712.59	-0.3%
CRUDE OIL PHY	LO3	1,209	1,293.6	-6.5%	17.05	6993.7%	496	638.75	-22.4%
CRUDE OIL PHY	LO4	1,102	923.3	19.3%	1,222.4	-9.9%	822	801.86	2.5%
CRUDE OIL PHY	LO5	0	0	-	1,040.05	-100.0%	277	284.27	-2.6%



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<b>Energy Options</b>									
ETHANOL	CE1	0	0	-	0	-	0	1.09	-100.0%
ETHANOL	CE3	0	0	-	0	-	0	0.6	-100.0%
ETHANOL SWAP	CVR	249	185.6	33.9%	327	-24.0%	483	278.06	73.7%
ETHANOL SWAP	GVR	13	20.25	-36.5%	0	-	4	15.47	-73.1%
FREIGHT MARKETS	TDT	0	0	-	0	-	7	0	-
HEATING OIL PHY	LB	18	52.4	-66.2%	0	-	9	10.98	-14.2%
HEATING OIL PHY	OH	567	1,869.05	-69.7%	1,104.05	-48.7%	1,256	1,535.15	-18.2%
HENRY HUB FINANCIAL LAST	E7	292	224.75	30.0%	79.95	265.6%	281	208.35	35.0%
HO 1 MONTH CLNDR OPTIONS	FA	0	0	-	20	-100.0%	10	10.32	-1.9%
LLS CRUDE OIL	WJO	0	0	-	0	-	0	0.4	-100.0%
LLS CRUDE OIL	YVO	0	0	-	0	-	0	0	-
MCCLOSKEY ARA ARGS COAL	MTO	4	0	-	15	-76.2%	2	1.15	91.4%
MCCLOSKEY RCH BAY COAL	MFO	0	0	-	1.25	-100.0%	4	8.51	-47.6%
NATURAL GAS 1 M CSO FIN	G4	13,505	3,926.95	243.9%	8,057.6	67.6%	4,755	2,265.12	109.9%
NATURAL GAS 2 M CSO FIN	G2	481	0	-	741.25	-35.1%	124	5.67	2078.3%
NATURAL GAS 3 M CSO FIN	G3	1,119	0	-	145	671.8%	1,000	175.58	469.4%
NATURAL GAS 5 M CSO FIN	G5	14	0	-	67.5	-78.8%	25	10.12	151.0%
NATURAL GAS 6 M CSO FIN	G6	1,398	317.5	340.2%	2,132.5	-34.5%	540	408.14	32.3%
NATURAL GAS OPTION ON CALENDAR STR	6J	114	149	-23.3%	161	-29.0%	125	147.94	-15.7%
NATURAL GAS PHY	KD	118	52.25	125.5%	165.4	-28.8%	186	804.1	-76.9%
NATURAL GAS PHY	LN	84,081	86,242.8	-2.5%	100,582.05	-16.4%	76,319	90,686.13	-15.8%
NATURAL GAS PHY	ON	8,577	7,407.8	15.8%	7,903.6	8.5%	6,275	9,456.82	-33.6%
NATURAL GAS WINTER STRIP	6I	0	0	-	0	-	6	10.71	-44.4%
N ROCKIES PIPE SWAP	ZR	0	0	-	0	-	17	14.11	22.4%
NY HARBOR HEAT OIL SWP	AT	60	184	-67.1%	13.5	348.0%	111	141.99	-22.1%
NYISO ZONE G 5MW PEAK OPTIONS	9U	0	0	-	0	-	0	0	-
PANHANDLE PIPE SWAP	PU	0	0	-	0	-	0	0	-
PETROCHEMICALS	4H	0	0	-	1.35	-100.0%	19	26.44	-26.9%
PETROCHEMICALS	4J	0	0	-	0	-	1	5.36	-85.2%
PETROCHEMICALS	4K	0	0	-	0	-	2	13.1	-83.0%
PETROCHEMICALS	CPR	0	0	-	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	12	-52.4%	6	-4.8%	3	3.14	-16.7%
PJM WES HUB PEAK CAL MTH	6OA	10	3	217.5%	7.5	27.0%	5	3.41	39.5%
PJM WES HUB PEAK CAL MTH	JOA	0	0	-	0	-	0	3.49	-100.0%

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Commodity		ADV DEC 2019	ADV DEC 2018	% CHG	ADV NOV 2019	% CHG	ADV Y.T.D 2019	ADV Y.T.D 2018	% CHG
<b>Energy Options</b>									
PJM WES HUB PEAK LMP 50MW	PMA	0	0	-	0	-	3	29.71	-88.8%
RBOB 1MO CAL SPD OPTIONS	ZA	0	0	-	0	-	1	2.78	-78.6%
RBOB CALENDAR SWAP	RA	3	11.25	-74.6%	0	-	3	5.36	-52.9%
RBOB CRACK	RX	0	0	-	0	-	0	0.01	-100.0%
RBOB PHY	OB	220	440.4	-49.9%	373	-40.9%	609	575.13	5.9%
RBOB PHY	RF	0	0	-	0	-	6	0.5	1199.3%
ROTTERDAM 3.5%FUEL OIL CL	Q6	0	0	-	0	-	0	0	-
SAN JUAN PIPE SWAP	PJ	0	0	-	0	-	15	8.53	80.5%
SHORT TERM	C15	0	0	-	0	-	0	1.98	-100.0%
SHORT TERM	U11	24	0	-	2.5	852.4%	5	4.9	1.1%
SHORT TERM	U12	2	0	-	0	-	6	7.54	-19.5%
SHORT TERM	U13	0	0	-	5.05	-100.0%	1	1.98	-49.8%
SHORT TERM	U14	0	0	-	0	-	1	3.42	-82.6%
SHORT TERM	U15	0	0	-	20	-100.0%	7	3.16	110.2%
SHORT TERM	U22	0	0	-	0	-	0	5.04	-99.9%
SHORT TERM	U23	0	0	-	0	-	0	3.56	-87.0%
SHORT TERM	U24	0	0	-	0	-	1	3.49	-71.6%
SHORT TERM	U25	0	0	-	0	-	0	0.6	-100.0%
SHORT TERM	U26	0	0	-	0	-	0	2.38	-83.3%
SHORT TERM NATURAL GAS	U01	0	0	-	0	-	3	2.18	18.2%
SHORT TERM NATURAL GAS	U02	0	0	-	25	-100.0%	3	11.1	-75.9%
SHORT TERM NATURAL GAS	U03	0	0	-	0	-	3	9.04	-69.1%
SHORT TERM NATURAL GAS	U04	19	0	-	5	281.0%	6	7.84	-29.1%
SHORT TERM NATURAL GAS	U05	18	0	-	0	-	2	6.47	-61.7%
SHORT TERM NATURAL GAS	U06	5	0	-	0	-	2	5.95	-59.7%
SHORT TERM NATURAL GAS	U07	0	0	-	5.2	-100.0%	3	7.35	-59.3%
SHORT TERM NATURAL GAS	U08	0	0	-	0	-	11	5.86	79.4%
SHORT TERM NATURAL GAS	U09	5	0	-	0	-	3	6.48	-51.0%
SHORT TERM NATURAL GAS	U10	0	0	-	0	-	5	4.96	-8.0%
SHORT TERM NATURAL GAS	U16	0	0	-	0	-	1	2.78	-64.3%
SHORT TERM NATURAL GAS	U17	0	0	-	0	-	2	9.11	-80.4%
SHORT TERM NATURAL GAS	U18	0	0	-	10	-100.0%	1	6.44	-80.0%
SHORT TERM NATURAL GAS	U19	0	0	-	5	-100.0%	1	1.38	-42.5%
SHORT TERM NATURAL GAS	U20	0	0	-	10	-100.0%	2	5.65	-64.9%
SHORT TERM NATURAL GAS	U21	0	12.5	-100.0%	0	-	0	2.43	-91.8%
SHORT TERM NATURAL GAS	U27	0	5	-100.0%	0	-	0	2.08	-100.0%

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Commodity		ADV DEC 2019	ADV DEC 2018	% CHG	ADV NOV 2019	% CHG	ADV Y.T.D 2019	ADV Y.T.D 2018	% CHG
<b>Energy Options</b>									
SHORT TERM NATURAL GAS	U28	0	0	-	0	-	2	0.4	325.0%
SHORT TERM NATURAL GAS	U29	0	0	-	2.5	-100.0%	1	2.02	-70.6%
SHORT TERM NATURAL GAS	U30	10	0	-	0	-	3	0.4	700.1%
SHORT TERM NATURAL GAS	U31	0	22.5	-100.0%	0	-	6	1.89	193.5%
SINGAPORE GASOIL CALENDAR	M2	0	0	-	0	-	0	0	-
SINGAPORE JET FUEL CALENDAR	N2	0	0	-	0	-	0	0	-
WTI-BRENT BULLET SWAP	BV	896	879.25	2.0%	1,610	-44.3%	2,319	3,398.08	-31.8%
WTI CRUDE OIL 1 M CSO FI	7A	1,416	1,345	5.3%	1,480	-4.3%	2,366	3,547.38	-33.3%

### Ag Products Futures

COCOA TAS	CJ	0	0	-	0	-	0	0.02	60.1%
COFFEE	KT	0	0	-	0.1	-100.0%	0	0	-
COTTON	TT	0	0.05	-4.8%	0	-	0	0.09	77.3%
SUGAR 11	YO	0	0	-	0	-	0	0.23	-82.8%

### TOTAL FUTURES GROUP

Ag Products Futures		0	0.05	-4.8%	0.1	-52.4%	0	0.34	-30.6%
Energy Futures		1,869,851	2,050,879.45	-8.8%	2,004,485.95	-6.7%	2,131,315	2,243,032.9	-5.0%
Metals Futures		469,858	380,123.15	23.6%	737,135.9	-36.3%	589,810	580,521.41	1.6%
<b>TOTAL FUTURES</b>		<b>2,339,709</b>	<b>2,431,002.65</b>	<b>-3.8%</b>	<b>2,741,621.95</b>	<b>-14.7%</b>	<b>2,721,125.44</b>	<b>2,823,554.65</b>	<b>-3.6%</b>

### TOTAL OPTIONS GROUP

Energy Options		227,589	289,265.4	-21.3%	241,378.2	-5.7%	242,952	317,701.45	-23.5%
Metals Options		59,086	58,864.7	0.4%	66,807.15	-11.6%	78,518	57,885.53	35.6%
<b>TOTAL OPTIONS</b>		<b>286,675</b>	<b>348,130.1</b>	<b>-17.7%</b>	<b>308,185.35</b>	<b>-7.0%</b>	<b>321,469.32</b>	<b>375,586.98</b>	<b>-14.4%</b>

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<b>TOTAL COMBINED</b>								
Metals	528,944	438,987.85	20.5%	803,943.05	-34.2%	668,327	638,406.94	4.7%
Energy	2,097,441	2,340,144.85	-10.4%	2,245,864.15	-6.6%	2,374,267	2,560,734.34	-7.3%
Ag Products	0	0.05	-4.8%	0.1	-52.4%	0	0.34	-30.6%
<b>GRAND TOTAL</b>	<b>2,626,384</b>	<b>2,779,132.75</b>	<b>-5.5%</b>	<b>3,049,807.3</b>	<b>-13.9%</b>	<b>3,042,594.76</b>	<b>3,199,141.62</b>	<b>-4.9%</b>