

NYMEX/COMEX Exchange ADV Report - Monthly

November 2022

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Commodity		ADV NOV 2022	ADV NOV 2021	% CHG	ADV OCT 2022	% CHG	ADV Y.T.D 2022	ADV Y.T.D 2021	% CHG
Metals Futures									
COMEX GOLD	GC	258,056	291,932.86	-11.6%	190,422.24	35.5%	221,769	240,832.11	-7.9%
NYMEX HOT ROLLED STEEL	HR	884	846.48	4.4%	1,056.19	-16.3%	1,048	987.2	6.1%
NYMEX PLATINUM	PL	20,647	17,352	19.0%	19,808.67	4.2%	20,153	17,414.93	15.7%
PALLADIUM	PA	3,706	4,038.1	-8.2%	1,910.52	94.0%	2,296	2,466.13	-6.9%
URANIUM	UX	0	0	-	0	-	0	5.14	-98.0%
COMEX SILVER	SI	88,049	89,562.76	-1.7%	64,129.29	37.3%	69,361	81,136.47	-14.5%
COMEX E-Mini GOLD	QO	2,286	1,282.71	78.2%	2,170.33	5.3%	1,600	1,102.11	45.2%
COMEX E-Mini SILVER	QI	218	251.38	-13.5%	208.48	4.3%	187	280.09	-33.4%
COMEX COPPER	HG	118,981	94,182.9	26.3%	86,724.67	37.2%	88,057	101,835.8	-13.5%
COMEX MINY COPPER	QC	218	422.1	-48.3%	134.14	62.6%	172	242.77	-29.2%
ALUMINUM	A38	0	0	-	0	-	0	0.76	-100.0%
ALUMINUM	AEP	176	186.81	-6.0%	64.1	173.9%	92	134.12	-31.4%
ALUMINUM	ALA	2	2.86	-25.0%	0	-	9	16.11	-46.8%
ALUMINUM	ALI	2,128	662.95	221.0%	2,506.81	-15.1%	1,591	565.23	181.4%
ALUMINUM	AUP	358	472.24	-24.1%	451.57	-20.7%	342	319.23	7.2%
ALUMINUM	EDP	204	296.1	-31.0%	458.24	-55.4%	245	172.01	42.5%
ALUMINUM	MJP	5	94.86	-95.0%	11.43	-58.3%	14	22.44	-38.0%
COBALT METAL FUTURES	COB	142	13	994.1%	129	10.3%	61	14.01	334.2%
COPPER	HGS	78	63.67	22.1%	85	-8.5%	78	104.51	-25.4%
COPPER	MHG	4,381	0	-	3,398.05	28.9%	2,214	0	-
FERROUS PRODUCTS	BUS	215	59.19	264.0%	129.95	65.8%	133	69.86	90.3%
GOLD	4GC	0	0	-	0	-	0	0.5	-100.0%
GOLD	SGC	12	26.95	-57.1%	14.1	-17.9%	34	75.93	-54.8%
GOLD	SGU	26	700.71	-96.3%	23.9	9.6%	232	316.34	-26.6%
HOT ROLLED COIL STEEL FUTURES	EHR	243	82.95	192.9%	287	-15.3%	177	55.2	221.1%
IRON ORE CHINA	TIO	36	77.62	-53.9%	41.9	-14.5%	62	47.9	28.6%
METALS	HDG	1	0	-	1.67	-57.1%	3	0.62	366.5%
METALS	LTH	4	0	-	1.62	167.7%	1	0.04	1389.2%
METALS	PAC	0	0	-	0	-	6	0	-
MICRO GOLD	MGC	48,616	60,561.33	-19.7%	44,852.05	8.4%	50,878	57,367.57	-11.3%
SILVER	SIL	9,486	6,251.57	51.7%	8,238.86	15.1%	7,912	9,135.61	-13.4%
Metals Options									
ALUMINUM	ALO	0	0	-	0	-	0	9.78	-100.0%

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Metals Options												
ALUMINUM	AX	23	0	-	25.57	-10.2%	5	0	-			
COMEX COPPER	HX	6,008	2,186.76	174.8%	3,902.24	54.0%	4,202	3,103.74	35.4%			
COMEX GOLD	ECGC	283	0	-	111.9	152.9%	46	0	-			
COMEX GOLD	OG	38,080	40,505.14	-6.0%	39,312.52	-3.1%	40,279	34,153.11	17.9%			
COMEX SILVER	ECSI	112	0	-	147.1	-24.0%	34	0	-			
COMEX SILVER	SO	8,497	5,636.62	50.7%	6,843.9	24.2%	5,689	7,297.48	-22.0%			
COPPER	ECHG	86	0	-	88.38	-2.4%	23	0	-			
COPPER	H1E	24	1.81	1200.0%	25.05	-6.1%	11	0.37	2901.7%			
COPPER	H1M	27	0	-	3.71	623.1%	7	0	-			
COPPER	H1W	4	0	-	4.81	-10.9%	6	0	-			
COPPER	H2E	33	2.62	1172.7%	19.29	72.8%	14	0.43	3085.6%			
COPPER	H2M	11	0	-	2.9	280.3%	4	0	-			
COPPER	H2W	10	0	-	8	24.4%	3	0	-			
COPPER	H3E	17	1.67	945.8%	12.81	36.1%	11	0.3	3559.7%			
COPPER	H3M	2	0	-	3.81	-42.5%	3	0	-			
COPPER	H3W	2	0	-	5.81	-57.4%	2	0	-			
COPPER	H4E	18	0.52	3281.9%	22.43	-21.0%	12	0.7	1692.0%			
COPPER	H4M	4	0	-	4.29	-12.2%	2	0	-			
COPPER	H4W	2	0	-	1.14	91.7%	3	0	-			
COPPER	H5E	0	0	-	0	-	3	0.03	10054.3%			
COPPER	H5M	0	0	-	6.71	-100.0%	2	0	-			
COPPER	H5W	12	0	-	0	-	4	0	-			
GOLD	G1M	321	0	-	282.33	13.7%	140	0	-			
GOLD	G1W	209	0	-	662.19	-68.4%	220	0	-			
GOLD	G2M	423	0	-	190.24	122.4%	186	0	-			
GOLD	G2W	400	0	-	428	-6.5%	191	0	-			
GOLD	G3M	236	0	-	271.62	-13.1%	127	0	-			
GOLD	G3W	510	0	-	244.48	108.5%	219	0	-			
GOLD	G4M	225	0	-	187.81	19.7%	101	0	-			
GOLD	G4W	214	0	-	24.67	766.6%	118	0	-			
GOLD	G5M	0	0	-	181.86	-100.0%	37	0	-			
GOLD	G5W	426	0	-	0	-	100	0	-			
GOLD	OG1	2,665	3,093.52	-13.8%	2,074.52	28.5%	2,221	2,111.53	5.2%			
GOLD	OG2	2,599	3,434.9	-24.3%	1,648.33	57.6%	2,185	2,118.12	3.1%			
GOLD	OG3	1,756	2,617.62	-32.9%	2,007.38	-12.5%	2,201	2,047.35	7.5%			

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Metals Options									
GOLD	OG4	898	2,606.81	-65.5%	1,282.24	-30.0%	1,773	1,422.46	24.6%
GOLD	OG5	0	0	-	0	-	511	537.4	-4.9%
IRON ORE CHINA	ICT	0	0	-	0	-	1	26.95	-95.2%
NYMEX HOT ROLLED STEEL	HRO	96	39.52	144.0%	125.71	-23.3%	79	16.52	375.4%
NYMEX PLATINUM	PO	142	135.95	4.4%	135.1	5.1%	224	144.65	54.7%
PALLADIUM	PAO	0	3.24	-95.6%	0.38	-62.5%	1	28.83	-97.9%
SILVER	M1S	236	0	-	13.19	1686.6%	27	0	-
SILVER	M2S	45	0	-	59.67	-25.3%	19	0	-
SILVER	M3S	7	0	-	28.14	-73.6%	8	0	-
SILVER	M4S	24	0	-	46.95	-48.5%	11	0	-
SILVER	M5S	0	0	-	16.29	-100.0%	2	0	-
SILVER	SO1	792	266	197.9%	314.52	152.0%	276	159.57	72.9%
SILVER	SO2	481	321.62	49.4%	311.95	54.0%	262	174.86	49.9%
SILVER	SO3	364	166.19	118.8%	406.38	-10.5%	218	141.34	54.6%
SILVER	SO4	137	148.05	-7.3%	200.24	-31.5%	163	98.35	65.4%
SILVER	SO5	0	0	-	0	-	40	38.39	4.5%
SILVER	W1S	20	0	-	48.33	-59.0%	16	0	-
SILVER	W2S	91	0	-	24.62	271.6%	19	0	-
SILVER	W3S	28	0	-	27.29	2.8%	11	0	-
SILVER	W4S	12	0	-	0.1	12905.1%	4	0	-
SILVER	W5S	34	0	-	0	-	6	0	-
Energy Futures									
CRUDE OIL PHY	CL	781,451	1,094,403.9	-28.6%	682,840.38	14.4%	831,253	1,004,281.42	-17.2%
CRUDE OIL	WS	0	0	-	0	-	4	16.23	-73.2%
MINY WTI CRUDE OIL	QM	20,605	29,460.86	-30.1%	22,087.62	-6.7%	28,496	20,789.36	37.1%
BRENT OIL LAST DAY	BZ	69,822	106,053.67	-34.2%	69,051.86	1.1%	70,508	97,710.31	-27.8%
HEATING OIL PHY	HO	127,360	181,774.19	-29.9%	168,815.24	-24.6%	159,757	156,115.5	2.3%
HTG OIL	BH	0	0	-	1.71	-100.0%	0	0.54	-12.9%
MINY HTG OIL	QH	1	0.43	44.4%	0.48	30.0%	0	0.3	41.4%
RBOB PHY	RB	137,826	196,952.76	-30.0%	145,366.86	-5.2%	166,260	193,587.36	-14.1%
MINY RBOB GAS	QU	0	0.38	-37.5%	0.33	-28.6%	0	0.41	1.1%

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Energy Futures										
NATURAL GAS	HP	7,042	6,762.14	4.1%	7,054.86	-0.2%	8,025	7,704.93	4.2%	
LTD NAT GAS	HH	17,422	16,047.14	8.6%	16,613.95	4.9%	16,960	16,115.1	5.2%	
MINY NATURAL GAS	QG	15,503	15,529.81	-0.2%	9,467.62	63.8%	14,832	9,178.02	61.6%	
NATURAL GAS PHY	NG	331,409	359,778.52	-7.9%	305,303.57	8.6%	341,447	390,950.79	-12.7%	
RBOB GAS	RT	0	0	-	1.14	-100.0%	0	0.37	-14.3%	
AEP-DAYTON HUB DAILY	VD	0	0	-	0	-	0	0	-	
ARGUS LLS VS. WTI (ARG) T	E5	137	269.57	-49.3%	304.76	-55.2%	275	404.38	-32.1%	
ARGUS PROPAN FAR EST INDE	7E	432	271.57	59.1%	292	48.0%	288	293.48	-1.8%	
ARGUS PROPAN(SAUDI ARAMCO	9N	144	90.52	59.2%	89.19	61.6%	97	87.58	11.2%	
BRENT BALMO SWAP	J9	0	0	-	0	-	7	5.71	20.8%	
BRENT CALENDAR SWAP	CY	283	642.52	-55.9%	397.1	-28.7%	669	489.92	36.6%	
BRENT FINANCIAL FUTURES	BB	0	0	-	0	-	0	17.39	-100.0%	
BRENT FINANCIAL FUTURES	MBC	0	0	-	0	-	1	0	-	
BRENT FINANCIAL FUTURES	MDB	0	0	-	0	-	0	0.3	-100.0%	
BRENT OIL LAST DAY	BZL	0	0	-	0	-	0	0	-	
BRENT OIL LAST DAY	BZS	0	0	-	0	-	0	0	-	
CAR VINTAGE	GEO	374	209	79.2%	267.48	40.0%	175	60.31	189.7%	
CAR VINTAGE	NGO	495	429.33	15.3%	397.29	24.6%	562	118.5	373.9%	
CHICAGO ETHANOL SWAP	CU	2,635	3,703.81	-28.9%	2,787.86	-5.5%	2,839	3,532.55	-19.6%	
CHICAGO ULSD PL VS HO SPR	5C	21	1.19	1660.0%	73.33	-71.4%	31	16.18	91.4%	
CHICAGO UNL GAS PL VS RBO	3C	0	3.57	-100.0%	0	-	0	2.17	-100.0%	
CONWAY NATURAL GASOLINE (OPIS) SWA	8L	1	2.38	-70.0%	17.38	-95.9%	13	14.38	-10.0%	
CONWAY NORMAL BUTANE (OPIS) SWAP	8M	29	10.24	181.4%	15.71	83.3%	18	13.9	28.6%	
CONWAY PROPANE 5 DECIMALS SWAP	8K	948	709.29	33.6%	881.81	7.5%	786	710.82	10.6%	
CRUDE OIL	LPS	0	0	-	0	-	0	0	-	
CRUDE OIL LAST DAY	26	33	21.76	52.5%	18.57	78.7%	21	13.61	50.8%	
CRUDE OIL OUTRIGHTS	42	25	14.71	69.6%	19.9	25.4%	42	14.53	186.0%	
CRUDE OIL OUTRIGHTS	CC5	0	0	-	20.1	-100.0%	9	43.07	-79.9%	
CRUDE OIL OUTRIGHTS	CSW	0	0	-	2.86	-100.0%	6	60.95	-90.6%	
CRUDE OIL OUTRIGHTS	GSW	0	0	-	0	-	0	10.71	-95.7%	
CRUDE OIL OUTRIGHTS	HTT	4,301	4,309.52	-0.2%	3,133.29	37.3%	3,536	3,030.52	16.7%	
CRUDE OIL OUTRIGHTS	LSW	0	4.29	-100.0%	3.9	-100.0%	19	45.1	-58.1%	
CRUDE OIL OUTRIGHTS	WCW	7	347.38	-97.9%	6.67	7.1%	76	181.03	-58.2%	
CRUDE OIL PHY	CLL	0	0	-	0	-	0	0	-	
CRUDE OIL PHY	HCL	0	0	-	0	-	0	87.6	-100.0%	

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Energy Futures										
CRUDE OIL PHY	MCL	106,626	95,983.05	11.1%	103,740.24	2.8%	122,791	28,930.62	324.4%	
CRUDE OIL SPRDS	ANT	0	74.48	-100.0%	15.71	-100.0%	37	24.83	48.2%	
CRUDE OIL SPRDS	HIL	0	11.43	-100.0%	0	-	14	24.3	-41.8%	
CRUDE OIL SPRDS	WTT	2,925	1,973.38	48.2%	2,049.71	42.7%	2,486	1,281.04	94.1%	
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	PWO	0	0	-	0	-	0	0	-	
DAILY PJM	PWP	0	0	-	0	-	0	0	-	
DAILY PJM	WOR	0	0	-	0	-	0	0	-	
DAILY PJM	ZAO	0	0	-	0	-	0	0	-	
DAILY PJM	ZGO	0	0	-	0	-	0	0	-	
DAILY PJM	ZJO	0	0	-	0	-	0	0	-	
DATED TO FRONTLINE BRENT	FY	0	0	-	0	-	10	11.8	-18.2%	
DIESEL 10P BRG FOB RDM VS	7X	0	0	-	0	-	0	0.13	-83.4%	
DOMINION TRANSMISSION INC	PG	0	0	-	0	-	0	0	-	
DUBAI CRUDE OIL CALENDAR	DC	0	0	-	0	-	9	0	-	
DUTCH TTF NATURAL GAS CAL MONTH FUT	TTF	0	81.52	-100.0%	0	-	64	1,884.27	-96.6%	
EAST/WEST FUEL OIL SPREAD	EW	0	0	-	0	-	0	0	-	
EIA FLAT TAX ONHWAY DIESE	A5	56	1.33	4089.4%	0	-	9	18.99	-53.9%	
ELEC FINSETTLED	47	0	0	-	0	-	0	0	-	
ELECTRICITY OFF PEAK	46	0	0	-	0	-	0	0	-	
EMMISSIONS	CGO	161	0	-	68.43	136.0%	98	0	-	
ETHANOL	MTH	0	0	-	0	-	0	0.04	0.0%	
ETHANOL SWAP	MT2	7	15	-50.8%	14.29	-48.3%	9	9.25	-0.4%	
ETHANOL T2 FOB ROTT INCL DUTY SWAP	Z1	174	187.1	-7.0%	132.52	31.3%	168	177.7	-5.7%	
EURO 3.5% FUEL OIL RDAM B	KR	0	1.67	-100.0%	0	-	0	0.35	-100.0%	
EURO GASOIL 10 CAL SWAP	GT	0	0	-	0	-	0	0	-	
EURO GASOIL 10PPM VS ICE	ET	0	2.14	-100.0%	0	-	5	12.23	-58.4%	
EUROPE 1% FUEL OIL NWE CA	UF	0	0	-	0	-	0	0.37	-100.0%	
EUROPE 3.5% FUEL OIL MED	UI	0	0	-	0	-	0	0.06	-100.0%	
EUROPE 3.5% FUEL OIL RDAM	UV	0	4.71	-99.0%	0.62	-92.3%	2	2.35	3.5%	

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Energy Futures									
EUROPEAN GASOIL (ICE)	7F	6	17.67	-65.2%	9.48	-35.2%	59	36.32	62.7%
EUROPEAN NAPHTHA BALMO	KZ	1	3.57	-60.0%	0.24	500.0%	1	0.51	78.8%
EUROPEAN NAPHTHA CRACK SPR	EN	14	119.14	-88.3%	61.52	-77.3%	94	82.3	14.6%
EUROPE DATED BRENT SWAP	UB	0	0	-	0	-	0	3.09	-100.0%
EUROPE JET KERO NWE CALSW	UJ	0	0	-	0	-	0	0.09	-100.0%
EUROPE NAPHTHA CALSWAP	UN	39	32.43	20.9%	16.33	139.9%	29	29.39	-0.8%
EURO PROPANE CIF ARA SWA	PS	82	90.81	-9.8%	110.14	-25.6%	85	75.36	13.2%
FREIGHT MARKETS	BF2	0	0.24	-100.0%	0	-	0	0.54	-100.0%
FREIGHT MARKETS	BL2	6	2.38	164.0%	0	-	6	1.24	383.2%
FREIGHT MARKETS	CS3	0	0	-	0	-	0	0	-
FREIGHT MARKETS	CS4	6	0	-	0	-	2	0	-
FREIGHT MARKETS	FLJ	0	0.24	-100.0%	0	-	0	0.42	-100.0%
FREIGHT MARKETS	FLP	0	4.19	-100.0%	3.24	-100.0%	1	3.05	-57.8%
FREIGHT MARKETS	FRC	0	0	-	0	-	0	0.3	-48.6%
FREIGHT MARKETS	T2D	3	0	-	0.95	185.0%	3	3.41	0.1%
FREIGHT MARKETS	T8C	0	0	-	0	-	0	0.04	-100.0%
FREIGHT MARKETS	TC6	0	10.71	-100.0%	0	-	0	0.98	-100.0%
FREIGHT MARKETS	TD3	0	0	-	0	-	0	0	-
FREIGHT MARKETS	USE	0	0	-	0	-	0	0.39	-100.0%
FUEL OIL CRACK VS ICE	FO	1	0	-	0	-	5	9.58	-45.3%
FUEL OIL NWE CRACK VS ICE	FI	0	0	-	0	-	0	0.31	-8.3%
FUELOIL SWAP:CARGOES VS.B	FS	0	0	-	0	-	0	0	-
GAS EURO-BOB OXY NWE BARGES	7H	7	17.05	-58.9%	1	600.0%	9	31.46	-70.6%
GAS EURO-BOB OXY NWE BARGES CRK	7K	59	356.1	-83.3%	57.48	3.5%	113	259.84	-56.5%
GASOIL 0.1CIF MED VS ICE	Z5	0	0	-	0	-	0	0.26	-25.0%
GASOIL 0.1 RDAM BRGS VS I	WQ	0	0	-	0	-	0	0.18	-76.2%
GASOIL 0.1 ROTTERDAM BARG	VL	0	0.71	-33.3%	0	-	0	0.77	-57.3%
GASOIL 10PPM VS ICE SWAP	TP	0	0	-	0.57	-100.0%	0	0	-
GASOIL CALENDAR SWAP	GX	2	7.81	-78.0%	0.29	500.0%	4	6.9	-36.1%
GASOIL CRACK SPREAD CALEN	GZ	1	223	-99.7%	0	-	48	89.1	-46.5%
GASOIL MINI CALENDAR SWAP	QA	17	28.9	-40.7%	5.52	210.3%	14	17.65	-21.7%
GERMAN POWER BASELOAD CAL MONTH F	DEB	0	0.29	-100.0%	0	-	0	1.06	-100.0%
GRP THREE ULSD(PLT)VS HEA	A6	145	164.76	-12.3%	229.81	-37.1%	214	206.07	3.9%
GRP THREE UNL GS (PLT) VS	A8	77	130.48	-40.7%	43.1	79.6%	141	126.23	11.9%
GULF COAST 3% FUEL OIL BA	VZ	0	1.33	-100.0%	0	-	4	3.22	30.7%

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Energy Futures										
GULF COAST JET FUEL CLNDR	GE	0	0	-	0	-	0	0	-	
GULF COAST JET VS NYM 2 H	ME	211	454.05	-53.6%	248.52	-15.3%	439	966.27	-54.6%	
GULF COAST NO.6 FUEL OIL	MF	217	25.95	737.8%	459.86	-52.7%	216	81.56	165.3%	
GULF COAST NO.6 FUEL OIL	MG	766	192.86	297.1%	639.24	19.8%	410	125.17	227.8%	
GULF COAST ULSD CALENDAR	LY	57	3.24	1669.1%	0	-	9	18.29	-52.3%	
GULF COAST ULSD CRACK SPR	GY	0	0	-	0	-	0	0	-	
HEATING OIL BALMO CLNDR S	1G	1	11.19	-91.5%	4.14	-77.0%	15	13.65	11.8%	
HEATING OIL CRCK SPRD BAL	1H	0	0	-	0	-	1	10.65	-94.8%	
HEATING OIL PHY	HOL	0	0	-	0	-	0	0	-	
HEATING OIL PHY	MHO	2	0	-	1.9	-10.0%	0	0	-	
HENRY HUB SWAP	NN	699	703.57	-0.7%	1,121.24	-37.7%	1,284	1,488.77	-13.8%	
HOUSTON SHIP CHANNEL BASI	NH	0	0	-	0	-	0	0	-	
ICE BRENT DUBAI SWAP	DB	10	54.29	-80.7%	0	-	10	29.32	-64.2%	
ICE GASOIL BALMO SWAP	U9	0	0	-	0	-	0	0.2	-100.0%	
INDIANA MISO	FTD	0	0	-	0	-	0	0	-	
INDIANA MISO	PTD	0	0	-	0	-	0	0	-	
INDONESIAN COAL ICI4	ICI	0	0	-	0	-	0	4.89	-100.0%	
JAPAN C&F NAPHTHA CRACK S	JB	0	0.29	-100.0%	0	-	2	0.03	7029.9%	
JAPAN C&F NAPHTHA SWAP	JA	2	2.19	2.2%	6.71	-66.7%	5	2.9	81.1%	
JAPAN NAPHTHA BALMO SWAP	E6	0	0.29	-100.0%	0	-	0	0.08	-66.7%	
JET CIF NWE VS ICE	JC	0	18.38	-100.0%	1.14	-100.0%	7	7.61	-12.9%	
JET FUEL UP-DOWN BALMO CL	1M	6	60.71	-90.2%	11.67	-49.0%	67	74.41	-10.2%	
JKM LNG Futures	JKM	18	39.52	-53.5%	15.95	15.2%	16	27.93	-43.8%	
LA CARB DIESEL (OPIS) SWA	KL	2	1.67	22.9%	0.48	330.0%	10	8.61	17.9%	
LA CARBOB GASOLINE(OPIS)S	JL	0	0	-	0	-	0	0.98	-100.0%	
LA JET (OPIS) SWAP	JS	1	33.57	-96.5%	2.38	-50.0%	15	24.89	-40.6%	
LLS (ARGUS) CALENDAR SWAP	XA	0	0	-	0	-	0	0	-	
LLS (ARGUS) VS WTI SWAP	WJ	0	16	-100.0%	0	-	0	12.11	-96.7%	
MARS (ARGUS) VS WTI SWAP	YX	0	0	-	0	-	7	7.61	-3.7%	
MARS (ARGUS) VS WTI TRD M	YV	565	878.86	-35.7%	723.1	-21.8%	731	884.12	-17.3%	
MCCLOSKEY ARA ARGS COAL	MTF	102	424.76	-76.1%	44.1	130.2%	243	638.18	-62.0%	
MCCLOSKEY RCH BAY COAL	MFF	1	73.43	-99.0%	3.81	-81.2%	18	46	-60.8%	
MGN1 SWAP FUT	MGN	0	0	-	0	-	0	0	-	
MINI GAS EUROBOB OXY NWE ARGS BALM	MEB	0	3.24	-100.0%	0	-	1	0.84	36.3%	
MINI RBOB V. EBOBARG NWE BRGS BALMO	MXR	0	0	-	0	-	0	1.7	-87.2%	

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Energy Futures												
MINI RBOB V. EBOB(ARGUS) NWE BRGS	MXB	15	15.19	-2.8%	6.19	138.5%	15	26.69	-45.2%			
MJC FUT	MJC	0	0	-	0	-	0	0.22	-100.0%			
MNC FUT	MNC	79	93.52	-15.6%	73.57	7.3%	81	44.86	79.8%			
MONT BELVIEU ETHANE 5 DECIMAL	C0	1,802	1,401.19	28.6%	1,527.24	18.0%	1,741	1,398.6	24.5%			
MONT BELVIEU ETHANE OPIS BALMO	8C	56	69.05	-18.9%	10.48	434.5%	44	42.82	2.3%			
MONT BELVIEU LDH PROPANE 5 DECIMAL	B0	9,504	9,315.67	2.0%	9,172.43	3.6%	8,254	9,048.17	-8.8%			
MONT BELVIEU LDH PROPANE OPIS BALM	8O	113	93.19	21.6%	75.86	49.3%	128	147.09	-13.0%			
MONT BELVIEU NATURAL GASOLINE 5 DEC	7Q	961	834.57	15.2%	1,291.14	-25.5%	1,161	710.32	63.5%			
MONT BELVIEU NATURAL GASOLINE BALM	R0	114	9.86	1056.0%	134	-15.0%	82	29.01	181.5%			
MONT BELVIEU NORMAL BUTANE 5 DECIM	D0	2,877	2,628.71	9.5%	2,751.86	4.6%	2,634	2,644.95	-0.4%			
MONT BELVIEU NORMAL BUTANE BALMO	8J	75	56.33	33.3%	107	-29.8%	73	60.87	19.5%			
NATURAL GAS	NWM	0	0	-	14.52	-100.0%	1	0	-			
NATURAL GAS PEN SWP	NP	1,293	1,985.38	-34.9%	1,573.29	-17.8%	2,081	2,540.99	-18.1%			
NEPOOL INTR HUB 5MW D AH	H2	0	0	-	0	-	0	0	-			
NEPOOL INTR HUB 5MW D AH	U6	0	0	-	0	-	0	0	-			
NEW ENGLAND HUB PEAK DAIL	CE	0	0	-	0	-	0	0	-			
NEW YORK ETHANOL SWAP	EZ	23	11.67	100.0%	28.81	-19.0%	41	7.89	422.4%			
NEW YORK HUB ZONE G PEAK	GN	0	0	-	0	-	0	0	-			
NEW YORK HUB ZONE J PEAK	JN	0	0	-	0	-	0	0	-			
N ILLINOIS HUB DAILY	UD	0	0	-	0	-	0	0	-			
NY1% VS GC SPREAD SWAP	VR	0	0	-	0	-	0	0	-			
NY HARBOR 1% FUEL OIL BAL	VK	0	0	-	0	-	0	0	-			
NY HARBOR HEAT OIL SWP	MP	158	120.57	31.4%	49.43	220.5%	69	54.94	25.2%			
NY HARBOR LOW SULPUR GAS 1000MBBL	NLS	0	0	-	0	-	0	6.83	-100.0%			
NY HARBOR RESIDUAL FUEL 1	MM	4	9.52	-62.5%	3.57	0.0%	6	10.54	-41.2%			
NYH NO 2 CRACK SPREAD CAL	HK	5	26.76	-81.3%	64	-92.2%	74	74.11	0.1%			
NYISO CAPACITY	LHV	0	0	-	0	-	0	0	-			
NYISO ZONE G 5MW D AH O P	D2	0	0	-	0	-	0	0	-			
NYISO ZONE G 5MW D AH PK	T3	0	0	-	0	-	0	0	-			
NY ULSD (ARGUS) VS HEATING OIL	7Y	48	0	-	40	18.8%	28	2.83	886.2%			
PANHANDLE BASIS SWAP FUTU	PH	0	0	-	0	-	0	0	-			
PETROCHEMICALS	22	7	13.9	-51.4%	3.9	73.2%	7	8.67	-23.2%			
PETROCHEMICALS	32	5	3.48	34.2%	4.38	6.5%	2	3	-24.2%			
PETROCHEMICALS	3NA	0	0.62	-84.6%	2.14	-95.6%	1	0.7	66.1%			
PETROCHEMICALS	51	0	0	-	0	-	0	0	-			

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	NOV 2022	NOV 2021		OCT 2022		Y.T.D 2022	Y.T.D 2021			
Energy Futures										
PETROCHEMICALS	81	0	-	0	-	2	0.64	188.5%		
PETROCHEMICALS	8I	10	27.33	-65.2%	80.14	-88.1%	41	54.39	-23.7%	
PETROCHEMICALS	91	32	24.29	33.3%	17.95	80.4%	17	19.37	-12.6%	
PETROCHEMICALS	MAA	1	2.38	-40.0%	0	-	2	2.07	3.2%	
PETROCHEMICALS	MAE	72	66.9	8.3%	61.52	17.8%	57	46.37	22.9%	
PETROCHEMICALS	MAS	22	26.52	-17.4%	14.76	48.4%	18	18.31	-4.3%	
PETROCHEMICALS	MBE	2	2.86	-16.7%	0	-	3	3.09	7.0%	
PETROCHEMICALS	MNB	0	0.76	-100.0%	0	-	0	8.93	-99.3%	
PETROCHEMICALS	MPS	29	28.86	2.0%	15.67	87.8%	14	18.88	-25.3%	
PETROCHEMICALS	PMF	0	0	-	0	-	0	0.04	55.8%	
PETRO CRCKS & SPRDS ASIA	STR	0	0	-	0	-	0	0	-	
PETRO CRCKS & SPRDS ASIA	STS	0	0	-	0	-	0	0	-	
PETRO CRCKS & SPRDS NA	CRB	468	573.33	-18.4%	552	-15.2%	757	966.81	-21.7%	
PETRO CRCKS & SPRDS NA	EXR	8	33.05	-75.2%	6.29	30.3%	12	30.34	-59.1%	
PETRO CRCKS & SPRDS NA	FOC	0	0	-	0	-	0	0	-	
PETRO CRCKS & SPRDS NA	GBB	0	0	-	0	-	3	2.85	6.9%	
PETRO CRCKS & SPRDS NA	GCI	0	0	-	0	-	1	1.61	-59.5%	
PETRO CRCKS & SPRDS NA	GCU	0	0	-	0	-	1	3.83	-68.7%	
PETRO CRCKS & SPRDS NA	GFC	0	0.67	-100.0%	0	-	6	2.06	184.8%	
PETRO CRCKS & SPRDS NA	HOB	0	68.1	-100.0%	0	-	3	23.09	-89.1%	
PETRO CRCKS & SPRDS NA	MFR	0	0	-	0	-	0	0.63	-100.0%	
PETRO CRCKS & SPRDS NA	RBB	1	46.05	-97.4%	32.05	-96.3%	29	69.92	-58.6%	
PETRO CRCKS & SPRDS NA	RVG	41	10.71	282.7%	81.9	-49.9%	89	50.41	75.9%	
PETRO CRK&SPRD EURO	1NB	18	2.38	656.0%	16	12.5%	11	1.88	477.1%	
PETRO CRK&SPRD EURO	43	0	0.24	-100.0%	0	-	1	0.11	365.6%	
PETRO CRK&SPRD EURO	BOB	0	14	-100.0%	0	-	3	6.41	-59.0%	
PETRO CRK&SPRD EURO	EOB	0	0	-	0	-	0	0.02	-100.0%	
PETRO CRK&SPRD EURO	EPN	17	42.14	-60.7%	17.81	-7.0%	19	26.2	-28.4%	
PETRO CRK&SPRD EURO	EVC	2	0.95	100.0%	1.9	0.0%	4	3.72	1.3%	
PETRO CRK&SPRD EURO	GOC	0	0	-	0	-	0	0	-	
PETRO CRK&SPRD EURO	MGB	0	0	-	0	-	0	0.3	-100.0%	
PETRO CRK&SPRD EURO	NBB	0	0.43	-100.0%	0	-	0	0.04	-100.0%	
PETRO CRK&SPRD EURO	NOB	1	3.24	-75.0%	3.57	-77.3%	4	2.4	69.5%	
PETROLEUM PRODUCTS	1NM	0	0	-	0	-	0	3.12	-93.0%	
PETROLEUM PRODUCTS	BEB	0	0	-	0	-	0	0.01	-100.0%	

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Energy Futures										
PETROLEUM PRODUCTS	BEF	0	0	-	0	-	0	0.01	-33.1%	
PETROLEUM PRODUCTS	CMS	0	0	-	16.67	-100.0%	7	3.17	117.8%	
PETROLEUM PRODUCTS	EWG	2	16.67	-85.7%	7.14	-66.7%	21	23.03	-9.1%	
PETROLEUM PRODUCTS	H5F	5	0	-	7.14	-33.3%	4	0.26	1374.8%	
PETROLEUM PRODUCTS	JCC	2	21.43	-88.9%	107.14	-97.8%	59	11.3	421.8%	
PETROLEUM PRODUCTS	MPE	0	0	-	0	-	0	0.06	-100.0%	
PETROLEUM PRODUCTS	R5E	0	0	-	0	-	0	0.02	-100.0%	
PETROLEUM PRODUCTS	R5F	1	4.67	-82.7%	1.14	-29.2%	2	2.35	-12.4%	
PETROLEUM PRODUCTS	S53	0	0.57	-100.0%	0	-	0	0.05	-100.0%	
PETROLEUM PRODUCTS	UCS	0	0	-	0	-	0	0	-	
PETROLEUM PRODUCTS	UP5	0	0	-	0	-	0	0	-	
PETROLEUM PRODUCTS	VU	0	0	-	0	-	5	1.48	236.7%	
PETROLEUM PRODUCTS ASIA	E6M	0	0	-	0.48	-100.0%	0	0.04	399.8%	
PETROLEUM PRODUCTS ASIA	MJN	11	13.33	-14.3%	15.24	-25.0%	32	12.58	156.3%	
PETRO OUTFRIGHT EURO	0B	0	0	-	0	-	0	0.97	-100.0%	
PETRO OUTFRIGHT EURO	0C	0	0	-	0	-	0	0.33	-100.0%	
PETRO OUTFRIGHT EURO	0D	3	3.05	-6.3%	2.95	-3.2%	2	4.09	-62.2%	
PETRO OUTFRIGHT EURO	0E	0	0	-	0	-	0	0.09	-100.0%	
PETRO OUTFRIGHT EURO	0F	0	0	-	0	-	0	0.04	0.0%	
PETRO OUTFRIGHT EURO	1T	0	0	-	0	-	0	0.09	-100.0%	
PETRO OUTFRIGHT EURO	5L	1	0	-	0	-	0	0	-	
PETRO OUTFRIGHT EURO	7I	0	0	-	0	-	1	0.22	470.0%	
PETRO OUTFRIGHT EURO	7R	0	0.81	-100.0%	0.38	-100.0%	0	0.34	-41.8%	
PETRO OUTFRIGHT EURO	CBB	0	0	-	0	-	0	0.14	-100.0%	
PETRO OUTFRIGHT EURO	CGB	0	0	-	0	-	0	0	-	
PETRO OUTFRIGHT EURO	CPB	4	6.19	-38.5%	0.57	566.7%	8	15.7	-51.1%	
PETRO OUTFRIGHT EURO	EFM	0	0	-	0	-	0	0.05	-100.0%	
PETRO OUTFRIGHT EURO	ENS	0	0	-	0	-	0	0	-	
PETRO OUTFRIGHT EURO	EWN	19	4.19	360.2%	22.86	-15.6%	9	9.11	3.6%	
PETRO OUTFRIGHT EURO	FLB	0	0	-	0	-	0	0.02	-100.0%	
PETRO OUTFRIGHT EURO	H5G	0	0	-	0	-	0	0	-	
PETRO OUTFRIGHT EURO	JFB	0	0	-	0	-	0	0.04	-100.0%	
PETRO OUTFRIGHT EURO	M1B	27	33.67	-18.8%	38.9	-29.7%	50	58.26	-13.5%	
PETRO OUTFRIGHT EURO	MBB	0	0	-	0	-	0	1.04	-100.0%	
PETRO OUTFRIGHT EURO	MBN	19	10	85.7%	19.52	-4.9%	28	16.35	70.5%	

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Energy Futures										
PETRO OUTHRIGHT EURO	MEF	1	0.86	11.1%	0	-	0	10.24	-95.2%	
PETRO OUTHRIGHT EURO	MQA	1	0.14	899.7%	0	-	1	0.3	220.5%	
PETRO OUTHRIGHT EURO	R53	0	0	-	0	-	0	0.55	-100.0%	
PETRO OUTHRIGHT EURO	R5B	0	0	-	0	-	0	0.24	-100.0%	
PETRO OUTHRIGHT EURO	R5M	62	103	-39.7%	68.57	-9.4%	83	60.45	36.8%	
PETRO OUTHRIGHT EURO	R5O	22	54	-58.4%	24.33	-7.6%	44	35.43	23.9%	
PETRO OUTHRIGHT EURO	RBM	0	0	-	0	-	1	0.15	258.9%	
PETRO OUTHRIGHT EURO	S5B	0	0	-	0	-	0	0.02	0.0%	
PETRO OUTHRIGHT EURO	S5F	5	5.05	3.8%	4.81	8.9%	5	5.16	6.2%	
PETRO OUTHRIGHT EURO	S5M	100	95.86	4.1%	98.76	1.1%	104	84.48	22.5%	
PETRO OUTHRIGHT EURO	S5O	51	143.05	-64.6%	33.9	49.2%	118	61.51	91.2%	
PETRO OUTHRIGHT EURO	SMU	0	2.38	-100.0%	0	-	0	6.3	-100.0%	
PETRO OUTHRIGHT EURO	SR5	1	0	-	0.57	0.0%	1	0	-	
PETRO OUTHRIGHT EURO	TLB	0	1.57	-100.0%	0	-	0	0.25	-100.0%	
PETRO OUTHRIGHT EURO	ULB	30	0	-	0	-	3	0	-	
PETRO OUTHRIGHT EURO	V0	0	6.29	-100.0%	0	-	0	2.53	-100.0%	
PETRO OUTHRIGHT NA	A8B	4	0	-	2.38	50.0%	10	4.74	118.3%	
PETRO OUTHRIGHT NA	AB6	21	8.1	155.9%	28.1	-26.3%	17	9.13	84.8%	
PETRO OUTHRIGHT NA	BCR	43	104.76	-59.1%	97.62	-56.1%	113	90.03	25.9%	
PETRO OUTHRIGHT NA	FCB	0	0	-	0	-	0	0.14	-100.0%	
PETRO OUTHRIGHT NA	JE	0	0	-	0	-	0	1.2	-78.2%	
PETRO OUTHRIGHT NA	JET	27	5.95	360.0%	46.43	-41.0%	28	18.04	53.3%	
PETRO OUTHRIGHT NA	JTB	1	0	-	3.57	-66.7%	9	2.89	225.0%	
PETRO OUTHRIGHT NA	MBL	3	2.86	0.0%	3.57	-20.0%	4	3.18	25.9%	
PETRO OUTHRIGHT NA	MEN	1	14.67	-95.8%	0	-	3	4.07	-36.5%	
PETRO OUTHRIGHT NA	MEO	24	17.1	38.4%	14.38	64.6%	14	21.43	-36.9%	
PETRO OUTHRIGHT NA	MFD	0	0	-	0	-	0	0	-	
PETRO OUTHRIGHT NA	MMF	0	0	-	0.48	-100.0%	0	0.28	-69.2%	
PJM AD HUB 5MW REAL TIME	V3	0	0	-	0	-	0	0	-	
PJM AD HUB 5MW REAL TIME	Z9	0	0	-	0	-	0	0	-	
PJM DAILY	JD	0	0	-	0	-	0	0	-	
PJM NI HUB 5MW REAL TIME	B3	0	0	-	0	-	0	0	-	
PJM NI HUB 5MW REAL TIME	B6	0	0	-	0	-	0	0	-	
PJM WESTH RT OFF-PEAK	N9	0	0	-	0	-	0	0	-	
PJM WESTH RT PEAK	L1	0	0	-	0	-	0	0	-	

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		ADV NOV 2022	ADV NOV 2021	% CHG	ADV OCT 2022	% CHG	ADV Y.T.D 2022	ADV Y.T.D 2021	% CHG
Energy Futures									
PLASTICS	PGP	35	96.48	-64.0%	64.14	-45.9%	46	66.38	-30.3%
PREMIUM UNLND 10P FOB MED	3G	0	0	-	0	-	0	0.8	-40.0%
PROPANE NON-LDH MB (OPIS) BALMO SWP	1S	95	63.48	50.0%	114.48	-16.8%	81	64.78	24.4%
PROPANE NON-LDH MT. BEL (OPIS) SWP	1R	1,183	1,055.9	12.0%	675.38	75.1%	664	789.87	-16.0%
RBOB CALENDAR SWAP	RL	374	217.67	71.9%	400.1	-6.5%	262	319.18	-18.0%
RBOB CRACK SPREAD	RM	14	27.38	-47.8%	18.81	-24.1%	66	94.34	-29.9%
RBOB CRACK SPREAD BALMO S	1E	0	0	-	0	-	1	0	-
RBOB GASOLINE BALMO CLNDR	1D	0	39.67	-98.9%	30.81	-98.6%	54	38.41	41.8%
RBOB PHY	MRB	1	0	-	1.48	-3.2%	0	0	-
RBOB PHY	RBL	0	0	-	0	-	0	0	-
RBOB VS HEATING OIL SWAP	RH	0	0	-	20	-100.0%	4	4.8	-11.8%
SINGAPORE 180CST BALMO	BS	0	0	-	0	-	0	0	-
SINGAPORE 380CST BALMO	BT	0	0	-	0	-	0	0.1	-95.7%
SINGAPORE 380CST FUEL OIL	SE	1	9	-89.4%	0.57	66.7%	6	8.8	-34.6%
SINGAPORE FUEL 180CST CAL	UA	0	0	-	0.14	-100.0%	0	0	-
SINGAPORE FUEL OIL 180 CS	GMS	0	0	-	0	-	0	0.05	-100.0%
SINGAPORE FUEL OIL SPREAD	SD	0	0	-	2.14	-100.0%	0	0	-
SINGAPORE GASOIL	MAF	3	16.67	-80.3%	3.67	-10.4%	18	13.43	30.3%
SINGAPORE GASOIL	MTB	0	0	-	0	-	1	0.23	276.9%
SINGAPORE GASOIL	MTS	13	20.81	-36.6%	18.38	-28.2%	16	17.79	-10.9%
SINGAPORE GASOIL	SBM	0	2.86	-100.0%	0	-	1	0.77	86.5%
SINGAPORE GASOIL CALENDAR	MSG	1	11.19	-88.9%	2.9	-57.4%	6	36.29	-84.8%
SINGAPORE GASOIL SWAP	SG	0	10.71	-100.0%	0.71	-100.0%	14	57.86	-76.3%
SINGAPORE GASOIL VS ICE	GA	0	51.43	-100.0%	0	-	17	48.3	-64.6%
SINGAPORE JET KERO GASOIL	RK	0	83.71	-100.0%	0	-	16	16.3	-0.6%
SINGAPORE JET KEROSENE SW	KS	0	61.9	-100.0%	0	-	2	14.93	-88.2%
SINGAPORE MOGAS 92 UNLEADED BALMO	1P	0	0	-	0	-	4	2.65	32.8%
SINGAPORE MOGAS 92 UNLEADED SWP	1N	0	34.52	-100.0%	0	-	3	31.66	-91.8%
TC2 ROTTERDAM TO USAC 37K	TM	1	0	-	6.86	-91.7%	2	1.3	50.0%
TC5 RAS TANURA TO YOKOHAM	TH	0	0	-	0	-	1	2.7	-60.8%
TD3 MEG TO JAPAN 250K MT	TL	6	40.24	-85.8%	1.9	200.0%	28	53.24	-47.7%
TEXAS EASTERN ZONE M-3 BA	NX	0	0	-	0	-	0	0	-
UK NBP NAT GAS CAL MTH FUT	UKG	0	0	-	0	-	0	11.02	-100.0%
ULSD UP-DOWN BALMO SWP	1L	215	297.86	-27.9%	349.29	-38.5%	287	239.34	19.9%
UP DOWN GC ULSD VS NMX HO	LT	975	1,443.76	-32.5%	1,037.71	-6.0%	1,238	1,643.73	-24.7%

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		ADV NOV 2022	ADV NOV 2021	% CHG	ADV OCT 2022	% CHG	ADV Y.T.D 2022	ADV Y.T.D 2021	% CHG	ADV Y.T.D 2022	ADV Y.T.D 2021	% CHG
Energy Futures												
WTI-BRENT CALENDAR SWAP	BK	2,082	3,830.95	-45.6%	2,121.19	-1.8%	2,430	2,489.17	-2.4%			
WTI CALENDAR	CS	2,086	2,591.24	-19.5%	2,240.33	-6.9%	2,906	2,503.13	16.1%			
WTI MIDLAND CRUDE OIL	WTL	0	0	-	28.57	-100.0%	4	11.54	-66.1%			
WTS (ARGUS) VS WTI SWAP	FF	10	0	-	7.14	44.0%	121	166.77	-27.4%			
WTS (ARGUS) VS WTI TRD MT	FH	0	14.29	-100.0%	0	-	31	27.72	10.4%			
Energy Options												
BRENT CALENDAR SWAP	BA	0	2.14	-100.0%	6.86	-100.0%	14	13.5	5.3%			
BRENT CRUDE OIL 1 M CSO	9C	1,679	0	-	1,428.57	17.5%	724	861.09	-15.9%			
BRENT OIL LAST DAY	BE	940	364.24	158.2%	647.62	45.2%	562	1,008.66	-44.3%			
BRENT OIL LAST DAY	BZO	436	2,389.62	-81.8%	660.62	-34.0%	814	1,264.66	-35.6%			
COAL API2 INDEX	F2C	1	9.05	-89.5%	0	-	2	6.87	-74.1%			
COAL API2 INDEX	F2Q	0	2.38	-100.0%	0	-	0	4.83	-91.0%			
CRUDE OIL	6Y	0	0	-	0	-	0	0	-			
CRUDE OIL 1MO	WA	2,735	2,805.24	-2.5%	900	203.8%	2,768	5,391.09	-48.7%			
CRUDE OIL APO	AO	429	770.1	-44.3%	1,106.95	-61.3%	948	1,457.26	-35.0%			
CRUDE OIL CALNDR STRIP	6F	0	0	-	0	-	0	0	-			
CRUDE OIL OUTRIGHTS	ECCL	342	0	-	198.71	72.2%	56	0	-			
CRUDE OIL PHY	LC	892	1,043.29	-14.5%	1,313.24	-32.1%	1,627	615.2	164.5%			
CRUDE OIL PHY	LO	130,581	160,313.38	-18.5%	108,738.43	20.1%	118,361	119,966.07	-1.3%			
CRUDE OIL PHY	LO1	2,645	2,557.81	3.4%	1,783.76	48.3%	1,626	1,041.82	56.1%			
CRUDE OIL PHY	LO2	1,994	1,378.14	44.7%	1,377.05	44.8%	1,241	847.53	46.4%			
CRUDE OIL PHY	LO3	1,058	1,368.24	-22.7%	1,156.95	-8.5%	848	655.72	29.3%			
CRUDE OIL PHY	LO4	2,312	1,921.38	20.3%	1,422.95	62.5%	1,653	1,131.04	46.2%			
CRUDE OIL PHY	LO5	0	0	-	0	-	331	344.81	-4.1%			
CRUDE OIL PHY	MCO	774	0	-	524.76	47.4%	241	0	-			
CRUDE OIL PHY	MW1	103	0	-	63.43	62.2%	33	0	-			
CRUDE OIL PHY	MW2	121	0	-	53.62	125.6%	38	0	-			
CRUDE OIL PHY	MW3	56	0	-	45.67	22.8%	20	0	-			
CRUDE OIL PHY	MW4	149	0	-	49.95	199.0%	46	0	-			
CRUDE OIL PHY	MW5	0	0	-	0	-	14	0	-			
ELEC FINSETTLED	PJN	0	0	-	0	-	0	0	-			
ETHANOL SWAP	CVR	91	293.95	-69.0%	68.1	33.6%	133	158.7	-15.9%			
ETHANOL SWAP	GVR	0	0	-	0	-	0	0	-			

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	ADV	ADV	% CHG	ADV	% CHG	ADV	% CHG	ADV	ADV	% CHG
	NOV 2022	NOV 2021		OCT 2022		Y.T.D 2022		Y.T.D 2021		
Energy Options										
FREIGHT MARKETS	FLO	0	0	-	0	-	0	0	-	-
HEATING OIL CRK SPD AVG PRICE OPTION	3W	0	0	-	0	-	3	8.61	-62.1%	-
HEATING OIL PHY	FZ	0	0	-	0	-	0	9.67	-100.0%	-
HEATING OIL PHY	LB	0	0	-	0	-	2	8.31	-80.0%	-
HEATING OIL PHY	OH	682	574.86	18.6%	524.24	30.1%	539	398.64	35.2%	-
HENRY HUB FINANCIAL LAST	E7	307	252.95	21.4%	244.71	25.5%	230	382.82	-40.0%	-
HENRY HUB FINANCIAL LAST	ECNG	205	0	-	154.43	32.8%	45	0	-	-
HO 1 MONTH CLNDR OPTIONS	FA	71	0	-	52.38	36.4%	35	0.87	3887.3%	-
LLS CRUDE OIL	HTO	0	0	-	0	-	5	0	-	-
LLS CRUDE OIL	WTO	0	0	-	0	-	20	0	-	-
MCCLOSKEY ARA ARGS COAL	MTO	0	0	-	0	-	0	2.35	-100.0%	-
NATURAL GAS	LN1	7	0	-	0	-	4	0	-	-
NATURAL GAS	LN2	0	0	-	0	-	7	0	-	-
NATURAL GAS	LN3	0	0	-	0	-	5	0	-	-
NATURAL GAS	LN4	0	0	-	0	-	7	0	-	-
NATURAL GAS	LN5	0	0	-	0	-	0	0	-	-
NATURAL GAS 1 M CSO FIN	G4	3,683	3,629.52	1.5%	3,060.9	20.3%	4,239	2,813.17	50.7%	-
NATURAL GAS 2 M CSO FIN	G2	0	388.1	-100.0%	0	-	61	131.52	-53.4%	-
NATURAL GAS 3 M CSO FIN	G3	155	0	-	47.62	225.0%	1,541	1,078.23	43.0%	-
NATURAL GAS 5 M CSO FIN	G5	95	250	-61.9%	0	-	210	81.09	158.7%	-
NATURAL GAS 6 M CSO FIN	G6	589	335.71	75.5%	166.67	253.6%	449	499.78	-10.2%	-
NATURAL GAS OPT	JFO	0	0	-	7.14	-100.0%	2	0	-	-
NATURAL GAS OPT	JKO	40	119.05	-66.0%	0	-	28	93.74	-70.1%	-
NATURAL GAS OPT	TFO	0	0	-	0	-	3	668.57	-99.5%	-
NATURAL GAS OPTION ON CALENDAR STR	6J	0	100	-100.0%	0	-	3	275.3	-99.1%	-
NATURAL GAS PHY	KD	19	13.57	40.3%	14.29	33.3%	65	90.15	-27.5%	-
NATURAL GAS PHY	LN	89,401	63,565.81	40.6%	86,621.1	3.2%	94,997	97,603.87	-2.7%	-
NATURAL GAS PHY	ON	3,057	3,816.76	-19.9%	2,864.67	6.7%	3,948	4,196.56	-5.9%	-
NATURAL GAS SUMMER STRIP	4D	0	0	-	0	-	0	0	-	-
NY HARBOR HEAT OIL SWP	AT	121	111.52	8.6%	50.81	138.3%	98	52.2	87.3%	-
PETROCHEMICALS	4H	0	18.57	-100.0%	5.71	-100.0%	14	43.05	-66.5%	-
PETROCHEMICALS	4J	0	0	-	0	-	0	5.72	-100.0%	-
PETROCHEMICALS	4K	0	0	-	0	-	0	0	-	-
PETROCHEMICALS	CPR	0	0	-	0	-	0	0.78	-100.0%	-
PETRO OUTRIGHT EURO	BCO	0	0	-	0	-	0	0	-	-

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Commodity		November 2022			OCT 2022		Y.T.D 2022		
		ADV NOV 2022	ADV NOV 2021	% CHG	ADV OCT 2022	% CHG	ADV Y.T.D 2022	ADV Y.T.D 2021	% CHG
Energy Options									
PETRO OUTRIGHT NA	DAP	0	5.71	-100.0%	0	-	2	6.13	-73.4%
PJM WES HUB PEAK CAL MTH	6OA	0	0	-	0	-	0	0	-
PJM WES HUB PEAK LMP 50MW	PMA	0	0	-	0	-	0	0	-
RBOB 1MO CAL SPD OPTIONS	ZA	12	0	-	14.29	-16.7%	16	0	-
RBOB CALENDAR SWAP	RA	1	0	-	0.57	66.7%	16	5.54	183.0%
RBOB PHY	OB	101	306.76	-67.2%	55.57	81.1%	180	357.01	-49.5%
RBOB PHY	RF	1	0	-	3.81	-62.5%	7	2.09	220.8%
SHORT TERM	U11	5	0	-	0	-	2	0.22	700.0%
SHORT TERM	U12	0	2.38	-100.0%	0	-	2	0.65	266.7%
SHORT TERM	U13	0	0	-	0	-	0	0.87	-50.0%
SHORT TERM	U14	0	0	-	0	-	2	1.3	66.7%
SHORT TERM	U15	0	0	-	0	-	0	1.52	-85.7%
SHORT TERM	U22	0	0	-	0	-	2	0	-
SHORT TERM	U24	0	0	-	4.76	-100.0%	0	0.43	0.0%
SHORT TERM	U25	0	0	-	0	-	2	1.3	33.3%
SHORT TERM	U26	0	0	-	0	-	1	0.33	166.7%
SHORT TERM NATURAL GAS	U01	0	2.38	-100.0%	0	-	1	1.2	-9.1%
SHORT TERM NATURAL GAS	U02	0	0	-	0	-	0	2.83	-100.0%
SHORT TERM NATURAL GAS	U03	0	0	-	0	-	0	0.43	-100.0%
SHORT TERM NATURAL GAS	U04	0	9.52	-100.0%	0	-	4	2.39	72.7%
SHORT TERM NATURAL GAS	U05	0	0	-	0	-	2	0.87	150.0%
SHORT TERM NATURAL GAS	U06	0	0	-	0	-	2	3.48	-31.2%
SHORT TERM NATURAL GAS	U07	0	0	-	0	-	4	1.41	184.6%
SHORT TERM NATURAL GAS	U08	0	0	-	0	-	1	0.22	300.0%
SHORT TERM NATURAL GAS	U09	0	0	-	0	-	0	1.3	-100.0%
SHORT TERM NATURAL GAS	U10	24	0	-	0	-	3	0.43	600.0%
SHORT TERM NATURAL GAS	U16	0	0	-	0	-	0	0.33	-100.0%
SHORT TERM NATURAL GAS	U17	0	0	-	0	-	0	0.65	-100.0%
SHORT TERM NATURAL GAS	U18	0	0	-	0	-	2	0.43	250.0%
SHORT TERM NATURAL GAS	U19	0	0	-	2.38	-100.0%	3	0	-
SHORT TERM NATURAL GAS	U20	0	0	-	0	-	1	1.3	-16.7%
SHORT TERM NATURAL GAS	U21	0	0	-	0	-	4	1.3	216.7%
SHORT TERM NATURAL GAS	U27	0	0	-	0	-	0	0.22	-100.0%
SHORT TERM NATURAL GAS	U28	0	0	-	11.9	-100.0%	2	0.43	250.0%
SHORT TERM NATURAL GAS	U29	7	0	-	0	-	1	0.22	200.0%

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Commodity	ADV NOV 2022	ADV NOV 2021	% CHG	ADV OCT 2022	% CHG	ADV Y.T.D 2022	ADV Y.T.D 2021	% CHG
Energy Options								
SHORT TERM NATURAL GAS U30	0	0	-	0	-	0	1.09	-60.0%
SHORT TERM NATURAL GAS U31	0	0	-	0	-	1	0	-
WTI-BRENT BULLET SWAP BV	590	2,591.67	-77.2%	1,371.43	-56.9%	1,635	1,460.54	11.9%
WTI CRUDE OIL 1 M CSO FI 7A	3,540	1,908.81	85.5%	2,295.24	54.3%	2,741	3,246.89	-15.6%
Ag Products Futures								
COFFEE KT	0	0	-	0	-	0	0.01	-100.0%
TOTAL FUTURES GROUP								
Ag Products Futures	0	0	-	0	-	0	0.01	-100.0%
Energy Futures	1,656,834	2,148,716.43	-22.9%	1,570,829.95	5.5%	1,803,786	1,971,143.77	-8.5%
Metals Futures	559,158	569,424.1	-1.8%	427,259.76	30.9%	468,725	514,720.76	-8.9%
TOTAL FUTURES	2,215,993	2,718,140.52	-18.5%	1,998,089.71	10.9%	2,272,511.33	2,485,864.54	-8.6%
TOTAL OPTIONS GROUP								
Energy Options	250,053	253,222.62	-1.3%	219,121.86	14.1%	243,295	248,319.2	-2.0%
Metals Options	66,646	61,168.57	9.0%	61,796.9	7.8%	62,083	53,632.27	15.8%
TOTAL OPTIONS	316,700	314,391.19	0.7%	280,918.76	12.7%	305,378.49	301,951.47	1.1%
TOTAL COMBINED								
Metals	625,805	630,592.67	-0.8%	489,056.67	28.0%	530,808	568,353.02	-6.6%
Energy	1,906,887	2,401,939.05	-20.6%	1,789,951.81	6.5%	2,047,082	2,219,462.97	-7.8%
Ag Products	0	0	-	0	-	0	0.01	-100.0%
GRAND TOTAL	2,532,692	3,032,531.71	-16.5%	2,279,008.48	11.1%	2,577,889.82	2,787,816.01	-7.5%

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Commodity	ADV NOV 2022	ADV NOV 2021	% CHG	ADV OCT 2022	% CHG	ADV Y.T.D 2022	ADV Y.T.D 2021	% CHG
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