

Market Update

Equity

Ukrainian equities listed in Kyiv were lower on Wednesday (Dec 16) despite the government's promise take unified measures to unlock loans from the IMF, after weeks of infighting among various factions strained the pro-Western coalition and delayed the latest bailout tranche. The big test is whether there are enough votes in Parliament to adopt a new tax code and a budget for 2016. The UX index lost 1.1% to close at 680 points. Among the 10 index components there were 8 losers. Alchevsk Steel (ALMK), which we must admit has no liquidity at all, fell 10% to 1.08 kopecks. Meanwhile, heavyweight CentrErgo (CEEN) rose by 1.8% to UAH 4.63 per share after the Economics Ministry estimated the value of the company at around USD 200mn, compared its current implied MCap of just USD 73mn on the Ukrainian Exchange. On the currency front, the hryvnia was little-changed at 23.50/23.70 UAH/USD on the interbank market. In London, the problems of Ferrexpo (FXPO) remained in the spotlight as the stock fell 11.6% to GBP 15.25 after recovering from an intra-day low all the way down at GBP 12. Warsaw-listed Ukrainian stocks rose yesterday with Kernel (KER) adding 2.6% to PLN 46.00 and Astarta (AST) climbing 2.2% to PLN 32.45.

Fixed Income

Ukrainian sovereign bonds increased on Wednesday with Ukraine-19s and Ukraine-27s up by 0.5p.p. and 1.0p.p. to 93.5/94.3 (9.9%/9.6%) and 87.0/87.8 (9.6%/9.5%), respectively. In the corporate universe, DTEK-18s declined by 3.5p.p. to 40.0/43.0 (63.6%/58.9%) and Ferrexpo-19s dropped by 0.3p.p. closing at 54.8/57.2 (34.2%/32.4%).

Volume Leaders	Ticker	Last, UAH	1D ch	Volume, UAH mn	Number of Trades
Ukrnafta	UNAF	172.00	-1.6%	1.00	11
Centrenerg	CEEN	4.63	1.8%	0.36	25
Mariupol Heavy Machine	MZVM	0.05	2.7%	0.28	66

Growth Leaders

Mariupol Heavy Machine	MZVM	0.05	2.7%	0.284	66
Centrenerg	CEEN	4.63	1.8%	0.363	25
Motor Sich	MSICH	1963.00	0.1%	0.102	10

Loss Leaders

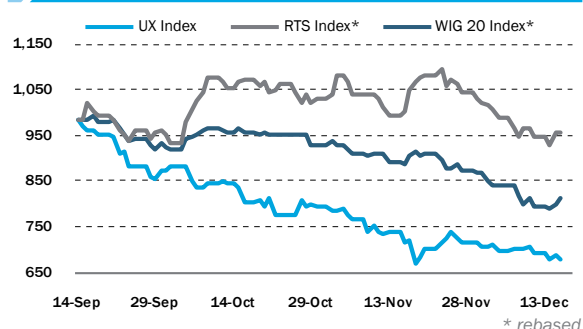
Alchevsk Steel	ALMK	0.01	-10.0%	0.002	16
Dniproenergo	DNEN	275.30	-5.4%	0.068	6
Kryukiv Wagon	KVBZ	7.80	-4.2%	0.016	6

Highlights

POLITICS AND ECONOMICS

- Avakov Lashes Out at Poroshenko after Reprimand

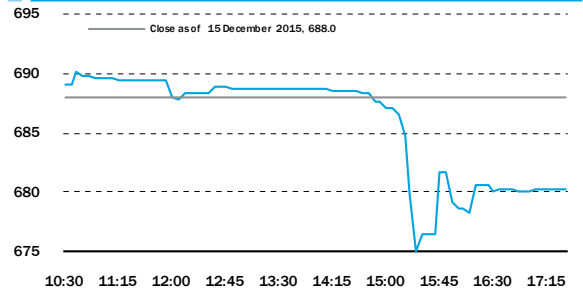
STOCK MARKET PERFORMANCE



MARKET INDEXES

	Last	1D ch	1M ch	YTD
UX	680.3	-1.1%	-7.9%	-34.2%
RTS	785.0	0.2%	-3.7%	-0.7%
WIG20	1803.7	1.8%	-8.9%	-22.1%
MSCI EM	790.3	1.4%	-3.7%	-17.4%
S&P 500	2073.1	1.5%	2.5%	0.7%

UX INTRADAY DECEMBER 16, 2015



FIXED INCOME

	Last	1D ch	1M ch	YTD
EMBI+Global	447.9	0.4%	6.4%	10.8%
CDS 5Y UKR	1050.0	0.0%	0.0%	-52.3%
Ukraine-19	9.8%	0.0 p.p.	n/a	n/a
Ukraine-27	9.6%	-0.2 p.p.	n/a	n/a
MHP-20	11.9%	0.0 p.p.	0.8 p.p.	-5.6 p.p.
RAILUA-18	16.7%	0.1 p.p.	-2.5 p.p.	-17.1 p.p.

CURRENCY

	Last, UAH	1D ch	1M ch	YTD
USD	23.58	-1.4%	1.9%	49.0%
EUR	25.72	-1.1%	3.4%	34.4%
RUB	0.33	-2.0%	-3.4%	21.9%

COMMODITIES

	Last	1D ch	1M ch	YTD
Wheat, USD/t*	188.6	0.0%	-0.2%	-23.4%
Steel, USD/t	265.0	0.0%	-4.5%	-41.1%
Oil, USD/bbl	37.4	-3.5%	-17.5%	-41.7%
Gold, USD/oz	1072.3	1.0%	-1.1%	-9.5%

*Ukraine FOB

Source: Bloomberg, Ukrainian Exchange

Avakov Lashes Out at Poroshenko after Reprimand

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NEWS

Interior Minister Arseniy Avakov lashed out at President Poroshenko on his social media site on Tuesday (Dec 16) following a statement from the President that reprimanded Avakov for his behavior at a National Reforms Council meeting on Monday night. Without mentioning Avakov by name, Poroshenko wrote in remarks clearly directed at the minister: “Coarse language and insults are inadmissible at the National Council of Reforms... especially with xenophobic overtones that affect national dignity, call into question Ukrainian patriotism and [telling] somebody to ‘Get out of Ukraine’ [sic]”. At the Monday meeting, Avakov cursed repeatedly in Russian and told Odessa provincial governor Mikhail Saakashvili to “get out of my country” after Saakashvili accused him of corruption and stealing. Saakashvili is a native of Georgia who recently became a Ukrainian citizen. The Kyiv Post reported that Avakov responded to Poroshenko’s reprimand by writing “Who are you accusing of being a xenophobe? Me? An Armenian who has lived in Ukraine since he was three years old?... What bureaucrat gave you this frame of response?... Is that what you’re telling me?” Avakov also released a video of the incident with Saakashvili on his social media page.

COMMENTARY

Whether or not Saakashvili has proof of his corruption allegations against Avakov, we are concerned that the latter’s presence in the government may be turning into a liability in Ukraine’s overall reform effort due to the issue of perception. We see Saakashvili as possibly being used as a proxy in a wider conflict between Avakov, who is a close ally of Prime Minister Yatseniuk, and Poroshenko. Avakov, a wealthy former governor of Kharkiv province, has always been controversial and unpopular with the progressive wing of the EuroMaidan movement, but he received the Interior Ministry post at the insistence of Yatseniuk’s People’s Front party, which held a strong hand after it finished ahead of Poroshenko’s party in the October 2014 parliamentary election. Despite his general unpopularity with the Ukrainian public and this latest scandal, Avakov appears to be an untouchable figure for several reasons: 1) The Interior Ministry is not part of the President’s direct quota of appointments; 2) Avakov’s influence in Kharkiv has been an important counterweight to separatism in the eastern province that borders both Russia and the Donbass; 3) an attempt by the Poroshenko Bloc to remove Avakov could result in the People’s Front’s withdrawal from the coalition; and 4) Avakov reportedly controls paramilitary battalions that could represent an actual physical threat to the government. We think Avakov’s challenging tone toward Poroshenko and his bold move of releasing a video which is likely to undermine his own public standing (social media reaction to the video has been largely in favor of Saakashvili), are both signs of Avakov’s confidence in the safety of his position. While keeping the coalition intact is of paramount importance, the problem with this situation is that tolerating corruption (or even merely the suspicion of corruption) at the highest levels of government due to naked political considerations sends a demoralizing message to those who are trying to change the system for the better. Equally disturbing is the coarse nature of Avakov’s behavior in a public setting, which cannot be viewed positively in the context of a country which claims that it is trying to adopt European values.

EAVEX RECOMMENDATIONS

Name	Ticker	Price, per share	Target price, per share	Upside, %	Rating	Commentary
Agriculture						
Kernel	KER PW	46.0	57.20	24%	BUY	The group's stock looks undervalued currently even after taking into account an expected decrease in earnings in FY16 due to lowering in seed-crushing margin from an exceptionally high level of FY15.
MHP	MHPC LI	9.1	12.03	32%	BUY	MHP's new soybean processing plant and expected launch of new breeding facilities in early 2016 bodes well for optimization of its poultry production cost. The group's long-term targets are a 50% expansion in poultry output to 900,000 tonnes by 2019 and a 40% land bank increase to 550,000ha.
Astarta	AST PW	32.5	36.1	11%	BUY	Astarta has made decisive moves toward diversification (it opened a soybean processing plant in early 2014) and cost optimization (a bioenergy complex was launched in 2014). Astarta's exposure to UAH devaluation is largely offset by its UAH cost base, and it has no assets in the Donbass.
IMC	IMC PW	6.1	9.4	54%	BUY	IMC's quality agribusiness model suggests to us that the company's stock is undervalued. IMC's work on debt reduction, its ongoing land bank expansion program, and high standards of corporate governance are all positive factors offsetting the stock's low trading volume.
AvangardCo	AVGR LI	1.6	U/R	--	U/R	A massive loss on the EBITDA level of almost USD 100mn for 1H15 has damaged Avangard's financial reporting credibility.
Ovostar Union	OVO PW	89.0	80.8	-9%	U/R	Ovostar managed to increase its EBITDA by 15% YoY to USD 24mn in 9M15, as a drop in devaluation-driven egg pricing in USD terms was offset by strong growth in output, rising export sales, and high hryvnia egg inflation (+60% YoY in 9M15).
Iron Ore						
Ferrexpo	FXPO LN	15.3	11.0	-28%	SELL	The long slide in benchmark iron ore prices, exacerbated by a reduction in the pellet-to-fines premium, has hammered Ferrexpo's earnings in 2015. Gloomy outlook for 2016 suggests even more depressed results in the next year.
Steel						
Azovstal	AZST	0.40	0.56	40%	SELL	Non-transparent accounting practices overseen by majority owner Metinvest detrimentally affect Azovstal's reported earnings.
Coke						
Avdyivka Coke	AVDK	1.01	U/R	--	Susp.	Avdyivka Coke's facilities are located on the front line of the Donbass separatist-occupied territory, and the plant has been experiencing periodic artillery shelling since August 2014. However, the company continues to operate, albeit at reduced capacity.
Specialized Machinery						
Motor Sich	MSICH	1963	5250	167%	BUY	Motor Sich should see its revenue grow with a 2012-2016E CAGR of 9%, reaching USD 1.2bn. For 2012-2016, we forecast an average EBITDA margin of 35% and a net margin of 28%.
Oil & Gas						
Concern Galnaftogaz	GLNG	0.15	0.24	60%	BUY	Galnaftogaz is pursuing a plan to aggressively expand its filling station network.
Regal Petroleum	RPT	3.8	U/R	--	U/R	Regal has repeatedly missed its production targets since 2012.
JKX Oil & Gas	JKX	27.5	U/R	--	U/R	The launch of extraction at JKX's Russian gas field has lifted output, but the company's higher-margin Ukrainian operations continue to lag behind expectations.
Power Utilities						
DonbasEnerg	DOEN	15.4	U/R	--	U/R	The Donetsk separatist government has nationalized DonbasEnerg's Starobeshevo power plant, which previously accounted for about 70% of the company's installed power-generating capacity.
CenterEnerg	CEEN	4.63	15.00	224%	BUY	CenterEnerg's privatization has been postponed, but the company retains a strong fundamental value due to its large installed electricity generation capacity.
Banks						
Raiffeisen Bank Aval	BAVL	0.074	0.24	224%	BUY	Raiffeisen Aval has a conservative risk policy, and we therefore assume it will manage to weather the current banking crisis in Ukraine and start to generate profits starting from 2016. The EBRD is expected to purchase a stake in the institution.

Source: Eavex Research

PRICES AND QUOTES

Name	Ticker	Today, UAH*	52 high, UAH*	52 low, UAH*	Absolute performance				Performance relative to the UX index			
					1d	1w	1m	ytd	1d	1w	1m	ytd
UX Index	UX	680.29	1158.71	656.99	-1.1%	-3.1%	-7.9%	-34.2%	0.0%	0.0%	0.0%	0.0%
Steel												
Alchevsk Steel	ALMK	0.011	0.018	0.010	-10.0%	-12.9%	-6.1%	-25.5%	-8.9%	-9.8%	1.9%	8.6%
Azovstal	AZST	0.40	0.89	0.34	-0.7%	-5.9%	-14.3%	-46.7%	0.4%	-2.8%	-6.3%	-12.5%
Enakievo Steel	ENMZ	15.10	24.88	14.03	-1.9%	-4.7%	-7.9%	-27.9%	-0.8%	-1.6%	0.0%	6.2%
Coke												
Avdyivka Coke	AVDK	1.01	1.99	0.86	-2.8%	-6.3%	-4.5%	-41.7%	-1.7%	-3.2%	3.5%	-7.6%
Yasnyivsky Coking	YASK	0.33	0.43	0.06	0.0%	0.0%	32.0%	17.9%	1.1%	3.1%	39.9%	52.0%
Iron Ore Mining												
Centralny GOK	CGOK	7.25	n/a	n/a	0.0%	0.0%	45.0%	-6.9%	1.1%	3.1%	52.9%	27.2%
Ferrexpo	FXPO	15.25	80.00	15.25	-11.6%	-34.4%	-50.0%	-71.2%	-10.5%	-31.3%	-42.1%	-37.1%
Pivnichny GOK	SGOK	3.99	12.30	2.20	0.0%	0.0%	-13.8%	-52.3%	1.1%	3.1%	-5.9%	-18.2%
Coal Mining												
Pokrovske Mine	SHCHZ	0.30	n/a	n/a	0.0%	0.0%	20.0%	-36.2%	1.1%	3.1%	27.9%	-2.0%
Pipe Manufacturing												
Khartsyzk Pipe	HRTR	0.16	0.59	0.12	0.0%	0.0%	-15.8%	-57.9%	1.1%	3.1%	-7.8%	-23.7%
Railcar Manufacturing												
Kryukiv Wagon	KVBZ	7.80	13.90	7.40	-3.8%	-8.7%	-16.1%	-39.3%	-2.7%	-5.5%	-8.2%	-5.1%
Luhanskeplovoz	LTPL	0.75	n/a	n/a	0.0%	0.0%	-6.3%	-30.6%	1.1%	3.1%	1.7%	3.6%
Specialized Machinery												
Motor Sich	MSICH	1963	2939	1889	0.1%	-0.8%	-1.3%	-20.9%	1.2%	2.3%	6.6%	13.2%
Turboatom	TATM	4.10	n/a	n/a	0.0%	0.0%	0.0%	n/a	1.1%	3.1%	7.9%	n/a
Telecom												
Ukrtelecom	UTLM	0.12	0.21	0.09	20.0%	18.8%	-20.0%	-21.1%	21.1%	21.9%	-12.1%	13.1%
Oil & Gas												
Regal Petroleum	RPT	3.75	6.50	3.13	-4.5%	5.3%	-3.2%	20.0%	-3.3%	8.5%	4.7%	54.2%
JKX Oil	JKX	27.50	37.38	11.75	0.0%	0.0%	-3.5%	129.2%	1.1%	3.1%	4.4%	163.3%
Ukrnafta	UNAF	172.0	337.6	165.0	-1.4%	-1.8%	-16.1%	-15.4%	-0.3%	1.4%	-8.1%	18.8%
Power Utilities												
Centrenergo	CEEN	4.63	8.50	4.20	1.8%	0.8%	-9.1%	-38.6%	3.0%	4.0%	-1.1%	-4.5%
Donbasenergo	DOEN	15.37	35.28	15.24	-3.2%	-6.7%	-9.1%	-53.4%	-2.0%	-3.6%	-1.1%	-19.3%
Zakhidenergo	ZAEN	91.0	193.9	52.0	4.6%	7.1%	-5.2%	-38.6%	5.7%	10.2%	2.7%	-4.4%
Consumer												
Agroton	AGT	1.02	1.52	0.95	4.1%	7.4%	-10.5%	-17.1%	5.2%	10.5%	-2.6%	17.1%
Astarta	AST	32.45	38.50	16.25	2.2%	-2.8%	-1.4%	62.3%	3.3%	0.3%	6.5%	96.4%
Avangardo	AVGR	1.55	3.80	0.23	-2.5%	-2.5%	-6.1%	-24.4%	-1.4%	0.6%	1.9%	9.8%
Industrial Milk Company	IMC	6.09	7.24	4.38	0.0%	-3.3%	-6.3%	7.4%	1.1%	-0.2%	1.6%	41.6%
Kernel	KER	46.00	55.20	26.10	2.6%	4.5%	-7.9%	61.6%	3.8%	7.7%	0.0%	95.8%
Mriya Agro Holding	MAYA	n/a	0.91	0.05	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
MHPC	MHPC	9.10	12.05	8.24	-0.7%	-3.2%	-3.2%	-1.1%	0.5%	-0.1%	4.8%	33.1%
Milkiland	MLK	1.47	3.50	0.89	1.4%	-2.0%	-23.0%	-0.7%	2.5%	1.1%	-15.1%	33.5%
Ovostar Union	OVO	89.00	89.51	68.00	0.0%	0.0%	1.7%	23.6%	1.1%	3.1%	9.6%	57.8%
Chemicals												
Stirol	STIR	4.00	n/a	n/a	-32.2%	-32.2%	-32.2%	-42.3%	-31.1%	-29.1%	-24.3%	-8.1%
Banks												
Raiffeisen Bank Aval	BAVL	0.074	0.114	0.069	-2.9%	-1.6%	-0.8%	-22.9%	-1.8%	1.5%	7.1%	11.2%
UkrSotsbank	USCB	0.099	0.145	0.064	10.0%	5.3%	11.2%	-24.0%	11.1%	8.4%	19.2%	10.2%

Source: Bloomberg

* companies listed abroad are in traded currency

MAIN FINANCIAL FORECASTS, USD mn

Name	Ticker	Net Sales			EBITDA			EBITDA margin			Net Profit			Net Profit margin		
		2013	2014E	2015E	2013	2014E	2015E	2013	2014E	2015E	2013	2014E	2015E	2013	2014E	2015E
Steel																
Alchevsk Steel	ALMK	1,729	700	280	-62	-83	-100	neg	neg	neg	-214	-1,683	-190	neg	neg	neg
Enakievo Steel	ENMZ	1,507	906	539	-7	6	31	neg	0.6%	5.7%	-61	-33	24	neg	neg	4.4%
Azovstal	AZST	2,562	1,885	1,602	-81	183	126	neg	9.7%	7.8%	-308	77	66	neg	4.1%	4.1%
Coke																
Avdyivka Coke	AVDK	914	509	382	46	-54	-57	5.0%	neg	neg	-6	-75	-82	neg	neg	neg
Yasynivsky Coking	YASK	367	198	159	29	-4	-5	7.8%	neg	neg	-3	-13	-10	neg	neg	neg
Iron Ore Mining																
Centralny GOK	CGOK	679	611	550	312	223	159	46.0%	36.5%	28.8%	194	115	80	28.6%	18.8%	14.6%
Pivnichny GOK	SGOK	1,630	1,467	1,320	914	649	463	56.1%	44.2%	35.1%	548	324	226	33.7%	22.1%	17.2%
Ferrexpo	FXPO	1,581	1,388	953	506	496	243	32.0%	35.8%	25.5%	264	184	116	16.7%	13.2%	12.1%
Pipe Manufacturing																
Khartsyzk Pipe	HRTR	310	193	92	31	43	18	10.1%	22.6%	19.3%	5	23	2	1.5%	11.7%	2.0%
Railcar Manufacturing																
Luhanskteplovoz	LTPL	329	127	n/a	36	-2	n/a	10.8%	neg	n/a	19	-16	n/a	5.9%	neg	n/a
Kryukiv Wagon	KVBZ	462	179	41	50	-17	-4	10.9%	neg	neg	42	-22	-9	9.0%	neg	neg
Specialized Machinery																
Turboatom	TATM	214	164	114	90	73	36	42.1%	44.6%	32.0%	72	53	23	33.5%	32.4%	20.0%
Motor Sich	MSICH	1,053	879	636	384	342	218	36.5%	38.9%	34.3%	162	129	92	15.4%	14.7%	14.5%
Telecom																
Ukrtelecom	UTLM	796	412	251	-199	85	72	neg	20.6%	28.5%	-279	18	9	neg	4.4%	3.6%
Oil & Gas																
Ukrnafta	UNAF	2,589	2,324	1,336	286	380	521	11.1%	16.4%	39.0%	23	105	253	0.9%	4.5%	19.0%
Regal Petroleum	RPT	37	35	22	-146	15	10	neg	44.5%	45.5%	-127	6	-1	neg	16.6%	neg
JKX Oil	JKX	181	146	150	66	69	70	36.7%	46.9%	46.7%	7	-80	5	3.6%	neg	3.3%
Electric Utilities																
Centrenergo	CEEN	915	630	323	94	26	13	10.3%	4.1%	4.1%	60	6	5	6.5%	0.9%	1.4%
Donbasenergo	DOEN	656	458	190	72	20	-12	11.0%	4.4%	neg	65	8	-16	9.9%	1.8%	neg
Consumer																
MHP	MHPC	1,496	1,379	1,131	391	555	455	26.1%	40.2%	40.2%	162	-412	-81	10.8%	neg	neg
Kernel	KER	2,797	2,393	2,330	291	223	397	10.4%	9.3%	17.0%	105	-107	101	3.8%	neg	4.3%
Astarta	AST	491	422	347	91	143	98	15.5%	28.3%	23.5%	34	-82	-12	5.8%	neg	neg
Avangardco	AVGR	661	420	na	301	129	na	45.6%	30.9%	#VALUE!	238	-27	na	36.0%	neg	#VALUE!
Ovostar	OVO	81	75	79	36	29	25	43.7%	38.9%	31.6%	31	26	24	38.0%	34.5%	30.7%
Banks																
		Total Assets			Total Equity			Total Income			Net Profit			Return on Equity		
Raiffeisen Bank Aval	BAVL	5,333	2,869	2,166	888	390	295	723	327	217	90	-87	-115	10.1%	-22.2%	-39.1%
Ukrsotsbank	USCB	5,283	2,730	2,095	1,064	518	362	145	163	145	1	-42	-14	0.1%	-8.0%	-3.9%

Source: Eavex Research

MAIN TRADING MULTIPLES

Ticker	MCap USD mn	Free Float % USD mn	EV USD mn	P/E			EV/EBITDA			EV/Sales			EV/Output			Units		
				2013	2014E	2015E	2013	2014E	2015E	2013	2014E	2015E	2013	2014E	2015E			
Steel																		
Alchevsk Steel	ALMK	12	3.9%	0	2,625	neg	neg	neg	neg	neg	neg	1.5	3.7	9.4	679	633	614	\$/tonne
Yenakievo Steel	ENMZ	7	8.8%	1	5	neg	neg	0.3	neg	0.8	0.2	0.0	0.0	0.0	2	2	2	\$/tonne
Azovstal	AZST	71	3.0%	2	65	neg	0.9	1.1	neg	0.4	0.5	0.0	0.0	0.0	14	14	14	\$/tonne
Coke																		
Avdyivka Coke	AVDK	8	6.8%	1	-31	neg	neg	neg	-0.7	neg	neg	0.0	-0.1	-0.1	-7	-8	-8	\$/tonne
Yasynivsky Coke	YASK	4	9.0%	0	5	neg	neg	neg	0.2	neg	neg	0.0	0.0	0.0	0.2	neg	neg	\$/tonne
Iron Ore Mining																		
Centralny GOK	CGOK	360	0.3%	1	359	1.9	3.1	4.5	1.1	1.6	2.3	0.5	0.6	0.7				
Pivnichny GOK	SGOK	390	0.4%	2	383	0.7	1.2	1.7	0.4	0.6	0.8	0.2	0.3	0.3				
Ferrexpo	FXPO	139	24.0%	33	1,156	0.5	0.8	1.2	2.3	2.3	4.8	0.7	0.8	1.2				
Pipe Manufacturing																		
Khartsyzk Pipe	HRTR	18	2.0%	0	63	3.8	0.8	9.6	2.0	1.5	3.6	0.2	0.3	0.7	101	167	158	\$/tonne
Railcar Manufacturing																		
LuganskTeplovoz	LTPL	7	24.0%	2	44	0.4	neg	n/a	1.2	neg	n/a	0.1	0.3	n/a				
Krukiv Wagon	KVBZ	38	5.0%	2	32	0.9	neg	neg	0.6	neg	neg	0.1	0.2	0.8				
Specialized Machinery																		
Turboatom	TATM	63	5.8%	4	32	0.9	1.2	2.8	0.4	0.4	0.9	0.2	0.2	0.3				
Motor Sich	MSICH	173	24.0%	42	178	1.1	1.3	1.9	0.5	0.5	0.8	0.2	0.2	0.3				
Telecom																		
Ukrtelecom	UTLM	95	7.2%	7	186	neg	5.2	10.5	neg	2.2	2.6	0.2	0.5	0.7				
Oil & Gas																		
Ukrnafta	UNAF	396	3.0%	12	389	17.0	3.8	1.6	1.4	1.0	0.7	0.2	0.2	0.3	n/a	n/a	n/a	\$/boe
Regal Petroleum	RPT	19	21.6%	4	-6	neg	3.2	neg	neg	-0.4	-0.6	-0.2	-0.2	-0.3	n/a	n/a	n/a	\$/boe
JKX Oil & Gas	JKX	73	50.4%	37	182	11.3	neg	14.7	2.7	2.6	2.6	1.0	1.2	1.2	33	25	24	\$/boe
Electric Utilities																		
CentrEnerg	CEEN	73	21.7%	16	55	1.2	12.3	15.7	0.6	2.1	4.2	0.1	0.1	0.2	3	4	3	\$/MWh
DonbasEnerg	DOEN	15	14.2%	2	31	0.2	1.8	neg	0.4	1.6	neg	0.0	0.1	0.2	4	4	4	\$/MWh
Consumer																		
MHP	MHPC	962	34.1%	328	2,068	5.9	neg	neg	5.3	3.7	4.5	1.4	1.5	1.8				
Kernel	KER	984	61.8%	608	1,323	9.4	neg	9.8	4.6	5.9	3.3	0.5	0.6	0.6				
Astarta	AST	218	37.0%	81	421	6.4	neg	neg	4.6	2.9	4.3	0.9	1.0	1.2				
Avangardco	AVGR	99	22.5%	22	397	0.4	neg	n/a	1.3	3.1	n/a	0.6	0.9	n/a	90	68	64	\$/mneqgs
Ovostar	OVO	143	25.0%	36	151	4.6	5.6	5.9	4.2	5.2	6.0	1.9	2.0	1.9	n/a	n/a	n/a	
Banks																		
						P/E			P/Book			P/Assets						
Raiffeisen Bank Aval	BAVL	193	3.5%	7		2.2	neg	neg	0.2	0.5	0.7	0.04	0.07	0.09				
Ukrsotsbank	USCB	325	0.2%	1		>30	>30	>30	0.4	0.6	0.9	0.07	0.14	0.18				

Source: Eavex Research

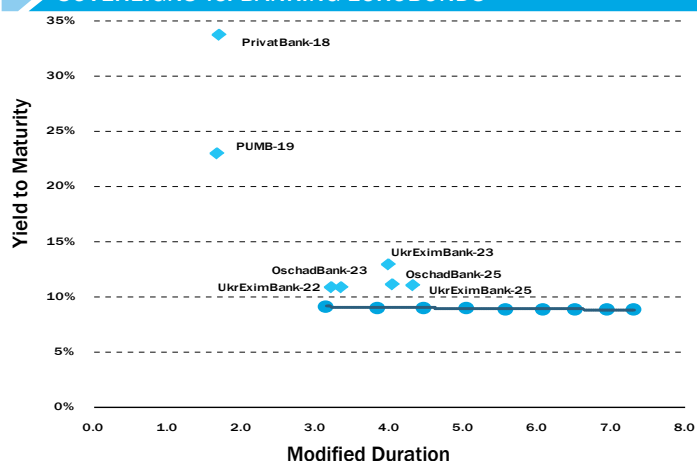
UKRAINIAN EUROBONDS

Issue	Price (Bid)	Price (Ask)	YTM (Bid)	YTM (Ask)	Price chg. (YTD)	Modified Duration	Coupon	Coupon Period	Maturity Date	Volume USD mn	Ratings ¹
Sovereign Eurobonds											
Ukraine, 2019	93.5	94.3	9.9%	9.6%	n/a	3.0	7.75%	S/A	1 Sept 2019	1,155	Caa3/B-/CCC
Ukraine, 2020	92.1	93.1	9.9%	9.6%	n/a	3.7	7.75%	S/A	1 Sept 2020	1,531	Caa3/B-/CCC
Ukraine, 2021	91.5	92.3	9.7%	9.5%	n/a	4.3	7.75%	S/A	1 Sept 2021	1,378	Caa3/B-/CCC
Ukraine, 2022	90.5	91.3	9.7%	9.5%	n/a	4.9	7.75%	S/A	1 Sept 2022	1,355	Caa3/B-/CCC
Ukraine, 2023	89.5	90.3	9.7%	9.6%	n/a	5.4	7.75%	S/A	1 Sept 2023	1,330	Caa3/B-/CCC
Ukraine, 2024	88.8	89.5	9.7%	9.6%	n/a	5.9	7.75%	S/A	1 Sept 2024	1,315	Caa3/B-/CCC
Ukraine, 2025	88.3	89.0	9.6%	9.5%	n/a	6.3	7.75%	S/A	1 Sept 2025	1,306	Caa3/B-/CCC
Ukraine, 2026	87.5	88.3	9.6%	9.5%	n/a	6.7	7.75%	S/A	1 Sept 2026	1,295	Caa3/B-/CCC
Ukraine, 2027	87.0	87.8	9.6%	9.5%	n/a	7.1	7.75%	S/A	1 Sept 2027	1,286	Caa3/B-/CCC
Ukraine, GDP-linked (VRI)	40.5	41.5	n/a	n/a	n/a	n/a	0.00%	S/A	31 May 2040	2,916	Caa3/B-/CCC
Corporate Eurobonds											
Agroton, 2019	10.0	13.0	127.4%	103.9%	-66.0%	1.3	8.00%	S/A	14 Jul 2019	50	//RD
MHP, 2020	87.5	88.5	12.1%	11.7%	27.5%	3.4	8.25%	S/A	2 Apr 2020	750	/CCC-/CCC
Avangardco, 2018	49.0	51.0	39.9%	38.0%	-18.7%	2.2	10.00%	S/A	29 Oct 2018	206	//WD
UkrLandFarming, 2018	49.0	51.0	51.3%	48.7%	11.1%	1.5	10.88%	S/A	26 Mar 2018	500	/CC/WD
Mriya, 2016	13.0	16.0	n/a	n/a	11.5%	0.0	10.95%	S/A	30 Mar 2016	72	/SD/RD
Mriya, 2018	n/a	n/a	n/a	n/a	n/a	1.2	9.45%	S/A	19 Apr 2018	400	/SD/RD
DTEK, 2018	40.0	43.0	63.6%	58.9%	-46.8%	1.4	10.375%	S/A	28 Mar 2018	160	Ca//C
DTEK, 2018	43.0	46.0	54.2%	50.0%	-2.2%	1.6	7.88%	S/A	4 Apr 2018	750	Ca//C
Metinvest, 2016	56.0	59.6	n/a	n/a	-26.8%	0.0	10.25%	S/A	31 Jan 2016	85	Caa3//C
Metinvest, 2017	44.1	48.7	65.0%	57.6%	-33.7%	0.6	10.50%	S/A	28 Nov 2017	290	Caa3//C
Metinvest, 2018	43.0	46.0	58.5%	54.0%	-19.8%	1.4	8.75%	S/A	14 Feb 2018	750	Caa3//C
Ferrexpo, 2019	54.8	57.2	34.2%	32.4%	-28.2%	2.5	10.375%	S/A	07 Apr 2019	186	Caa3//C
Ferrexpo, 2019	43.0	46.0	58.5%	54.0%	-42.9%	1.4	10.375%	S/A	07 Apr 2019	161	Caa3//C
RailUA, 2018	85.2	87.0	17.2%	16.2%	62.3%	2.0	9.50%	S/A	21 May 2018	500	/CC/C
Interepipe, 2017	30.0	35.0	128.5%	109.5%	-40.9%	0.8	10.25%	S/A	2 Aug 2017	200	//
JKX Oil&Gas, 2018	68.4	72.9	35.5%	31.9%	21.3%	0.9	8.00%	S/A	19 Feb 2018	40	
Bank Eurobonds											
Fin&Credit Bank, 2019	8.8	11.6	146.3%	122.4%	-87.7%	1.3	9.25%	S/A	25 Jan 2019	100	//
PUMB, 2018	72.1	75.1	24.3%	22.6%	4.3%	1.6	11.00%	Q	31 Dec 2018	275	WR//NR
Nadra Bank, 2018	5.7	10.8	n/a	n/a	-34.1%	0.0	6.25%	A	31 Jul 2018	60	//
PrivatBank, 2018-2	75.0	77.0	26.5%	25.0%	21.6%	n/a	10.25%	S/A	23 Jan 2018	200	//
PrivatBank, 2021	62.1	65.4	24.3%	22.8%	n/a	3.3	11.00%	S/A	09 Feb 2021	220	//
PrivatBank, 2018	65.0	71.0	34.9%	29.7%	15.3%	1.6	10.88%	S/A	28 Feb 2018	175	//
UkrEximBank, 2022	89.2	90.4	12.1%	11.8%	15.9%	3.2	9.625%	S/A	27 Apr 2022	750	WR//C
UkrEximBank, 2023	73.4	76.6	13.7%	12.9%	50.0%	n/a	7.51%	S/A	9 Feb 2023	125	Ca//C
UkrEximBank, 2025	87.2	88.3	12.1%	11.9%	46.2%	4.2	9.75%	S/A	22 Jun 2025	600	Ca//C
VAB Bank, 2019	n/a	n/a	n/a	n/a	n/a	n/a	9.00%	Q	14 Jun 2019	88	//WD
Oschadbank, 2023	89.0	90.0	11.7%	11.4%	37.6%	3.1	8.25%	S/A	10 Mar 2023	700	Ca//CC
Oschadbank, 2025	87.4	88.6	11.9%	11.7%	54.4%	3.9	8.88%	S/A	20 Mar 2025	500	Ca//CC
Municipal Eurobonds											
City of Kyiv, 2015	82.7	84.3	n/a	n/a	n/a	n/a	8.00%	S/A	6 Nov 2015	250	//
City of Kyiv, 2016	81.5	84.4	n/a	n/a	16.8%	n/a	9.375%	S/A	11 Jul 2016	300	//

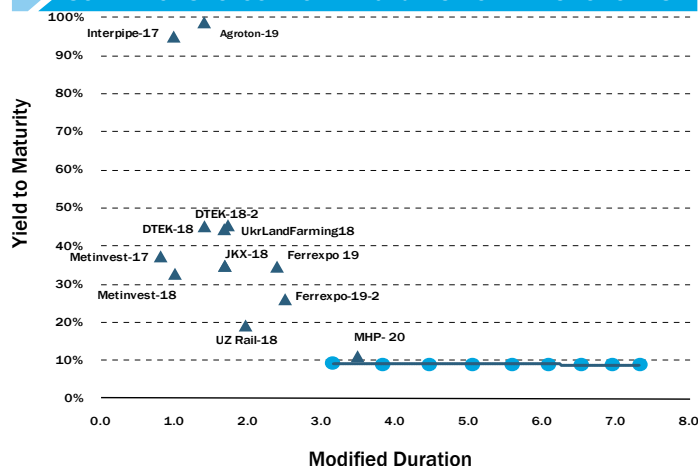
¹ Moody's/S&P/Fitch

Source: Bloomberg, Cbonds, Eavex Research

SOVEREIGNS vs. BANKING EUROBONDS



SOVEREIGNS vs. CORPORATE and MUNICIPAL EUROBONDS



UKRAINIAN DOMESTIC BONDS

Issue	Price (Bid)	Price (Ask)	YTM (Bid)	YTM (Ask)	Modified Duration	Coupon	Coupon Period	Maturity Date	Volume mn UAH
UAH denominated Bonds									
UA4000142665			20%	19%	n/a	14.30%	S/A	24 May 2017	n/a
VAT Bonds									
UA4000185151			20%	19%	1.9	9.50%	S/A	8 Jul 2019	3,577
UA4000185557			20%	19%	1.9	9.50%	S/A	22 Jul 2019	2,171
UA4000186159			20%	19%	1.9	9.50%	S/A	20 Aug 2019	955

Source: Bloomberg, Cbonds, Eavex Research

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