

# capital

# **Market Monitor**

March 20, 2014

## **Market Update**

#### Equity

Ukrainian stocks were lower on Wednesday (Mar 19) in a day of global trading dominated by the wait for a US Federal Reserve policy statement, which came after the European close at 2pm in New York. New Fed chief Janet Yellen's announcement that the central bank will further reduce its monetary stimulus by USD 10bn per month sent US stocks tumbling, although the S&P 500 and DJIA's closing losses were limited to well inside of 1%. The UX index moved down 1.1% to finish at 1007 points. Alchevsk Steel led the decline, sliding 3.2% to 3.65 kopecks after announcing a record-high negative bottom line for full-year 2013. CentrEnergo and Raiffeisen Aval were both down in the range of 2.0%, while volume leader UkrNafta fell in line with the index on turnover of UAH 2.4mn. In London, Ferrexpo sold off by 3.6% after two previous sessions of solid gains; agro issues MHP and Avangard were both marginally lower by less than half a percent each.

#### **Fixed Income**

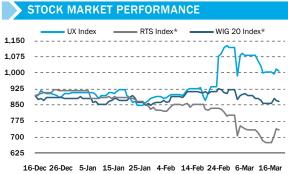
Ukrainian sovereigns were up across the board on Wednesday with Ukraine-23s improving by 2.1p.p. closing at 83.2/84.1 (10.4%/10.2%). Corporate names were mixed. MHP-20s grew by 0.3p.p. to 80.0/83.6 (13.2%/12.2%) while DTEK-18s declined by 1.2p.p. finishing at 76.2/77.8 (16.1%/15.5%).

Volume Leaders	Ticker	Last, UAH	1D ch	Volume, UAH mn	Number of Trades
Ukrnafta	UNAF	193.50	-1.2%	2.4	32
Donbasenergo	DOEN	37.49	-0.7%	1.1	96
Centrenergo	CEEN	5.200	-1.9%	1.1	58
<b>Growth Leaders</b>					
Alchevsk Coke	ALKZ	0.06	6.5%	0.07	15
Yasynivsky Coke	YASK	0.71	2.9%	0.01	15
Avdyivka Coke	AVDK	2.99	-0.4%	0.46	24
Loss Leaders					
Donetskoblenergo	DOON	16.00	-5.9%	0.221	17
Poltavsky GOK	PGOK	13.17	-4.9%	0.777	25
Alchevsk Steel	ALMK	0.04	-3.2%	0.133	30

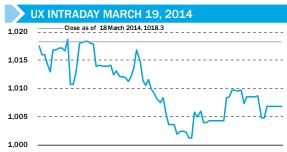
## **Highlights**

#### STOCKS IN THE NEWS

- > CentrEnergo Turns On Repaired Unit #3 at Uglegorsk
- Motor Sich Reports Order Book of USD 950mn for 2014
- > Alchevsk Steel Reports Record Full-Year Loss of UAH 1.74bn



INDEXES				
Last	1D ch	1M ch	YTD	
1006.8	-1.1%	8.6%	10.6%	
1155.8	-0.5%	-14.0%	-19.9%	
2360.8	-0.8%	-4.9%	-1.7%	
950.6	-0.2%	-0.7%	-5.1%	
1860.8	-0.6%	1.2%	1.1%	
	1006.8 1155.8 2360.8 950.6	Last         1D ch           1006.8         -1.1%           1155.8         -0.5%           2360.8         -0.8%           950.6         -0.2%	Last         1D ch         1M ch           1006.8         -1.1%         8.6%           1155.8         -0.5%         -14.0%           2360.8         -0.8%         -4.9%           950.6         -0.2%         -0.7%	



10:30 11:15 12:00 12:45 13:30 14:15 15:00 15:45 16:30 17:15

FIXED INCOME												
	Last	1D ch	1M ch	YTD								
EMBI+Global	338.9	-2.9%	-7.8%	2.5%								
CDS 5Y UKR	1197.1	-4.2%	-0.1%	45.9%								
Ukraine-17	12.2%	-0.6 p.p.	0.7 p.p.	3.2 p.p.								
Naftogaz Ukr-14	33.2%	-6.7 p.p.	-1.0 p.p.	24.4 p.p.								
Ukraine-23	10.3%	-0.4 p.p.	-0.1 p.p.	2.8 p.p.								
Privatbank-16	32.0%	1.8 p.p.	6.4 p.p.	7.3 p.p.								

CURRENCY												
	Last, UAH	1D ch	1M ch	YTD								
USD	10.16	1.3%	15.7%	23.3%								
EUR	14.05	0.6%	16.8%	23.6%								
RUB	0.28	1.5%	12.2%	11.8%								

соммор	ITIES			
	Last	1D ch	1M ch	YTD
Wheat, USD/t*	297.4	0.0%	8.1%	3.5%
Steel, USD/t	527.5	0.0%	-1.9%	-1.9%
Oil, USD/bbl	105.9	-0.9%	-2.7%	-4.8%
Gold, USD/oz	1329.6	-1.9%	0.8%	11.1%

\*Ukraine FOR

Source: Bloomberg, Ukrainian Exchange







# CentrEnergo Turns On Repaired Unit #3 at Uglegorsk

by Dmitry Churin d.churin@eavex.com.ua

## CENTRENERGO (CEEN UK)

Price: UAH 5.19 Market Cap: USD 189mn

	P/B	EV/S	P/E	EV/EBITD/	A Div. Yield
2013E	0.7	0.3	4.4	4.2	6.8%
2014E	0.7	0.3	4.3	4.2	7.0%

#### **NEWS**

CentrEnergo, Ukraine's second-largest thermal generation company, has turned on reactor #3 at its fire-damaged Uglegorska thermal power plant, the company reported earlier this week. The unit was operationally connected to the national electricity system on Tuesday (Mar 18). Units #1 and #4, which had been relatively less damaged in an accident at the plant that occurred on Mar 29 of last year were turned on in late 2013, while units #2 and #3 suffered major damage. The accident forced the State Property Fund (SPF), which owns some 78% of CentrEnergo, to postpone the privatization of a controlling stake in the company for an indefinite period.

#### COMMENTARY

The relaunch of unit #3 occurred in line with the scheduling of the Uglegorska plant's overhaul and the news is definitely positive for CentrEnergo. However, Ukrainian thermal generation companies are historically loss-making in the first quarter, so we do not forecast that CentrEnergo will post a profit in 1Q14, and the CEEN stock showed no positive reaction yesterday. Unit #2 at the plant is supposed to be turned on for testing later this year.

# Motor Sich Reports Order Book of USD 950mn for 2014

by Dmitry Churin d.churin@eavex.com.ua

#### MOTOR SICH (MSICH UK)

Price: UAH 1,755 Market Cap: USD 359mn

	P/B	EV/S	P/E	EV/EBITDA Div. Yield				
2013E	0.3	0.4	2.1	1.6	1.9%			
2014E	0.3	0.4	2.2	1.6	1.8%			

#### **NEWS**

Ukraine's monopoly aircraft engine producer Motor Sich said it has secured a firm order book of USD 950mn for 2014, a 5% increase compared to 2013, Interfax reported on Monday (Mar 18) citing a source in the company's top management. According to the source, 90% of the order book consists of the helicopter/airplane engine models D-436, Al-222 and Al-20. Motor Sich's main customers are located in Russia, China and India.

#### **COMMENTARY**

Taking into account the current complicated political situation in Ukraine, Motor Sich's ability to increase its order book is a notable achievement. We believe that confrontation between Kyiv and Moscow will not impede the trade relationship between Motor Sich and Russian Helicopters, the company's key partner, due to the lack of capacity in Russia for building helicopter engines. On the other hand, we now doubt that a resumption in joint Russian-Ukrainian production of the An-124 cargo airliner, which was announced a few months ago, will be implemented. This will restrain Motor Sich from more active top line growth in 2014-2015. Importantly, Motor Sich has an opportunity to increase its profitability margins in FY14, as the hryvnia devaluation by almost 25% YtD will have a positive impact on the company's operations due to the 92% share of export sales in total revenues.







### Alchevsk Steel Reports Record Full-Year Loss of UAH 1.74bn

by Dmitry Churin d.churin@eavex.com.ua

## ALCHEVSK STEEL (ALMK UK)

Price: UAH 0.0365 Market Cap: USD 126mn

	P/B	EV/S	P/E	EV/EBITDA	Div. Yield
2013E	neg	1.11	neg	neg	0%
2014E	neg	1.11	neg	neg	0%

#### **NEWS**

Alchevsk Steel, Ukraine's fifth-largest steelmaker, announced a net loss of UAH 1.74bn for full-year 2013, the company reported in its annual shareholder meeting announcement on Wednesday (Mar 19). The figure is 69% larger than the net loss in FY12. Other details from the income statement were not disclosed.

#### **COMMENTARY**

The news is negative for the ALMK stock as 1) the FY13 loss was the worst in the company's history and 2) Alchevsk failed to reach its target, stated in mid-2013, on reaching the breakeven level in 4Q13. Ironically, the 4Q13 loss of UAH 586mn was the heaviest negative bottom line at the mill since the crisis period of 4Q08. Last June, management has said it expected to reach breakeven in 4Q due to the full-capacity commissioning of Alchevsk's greenfield electricity station. While the first phase was launched in June, no news has arisen since then about the commissioning of a second such station despite management's previous expectation of this occurring in 4Q13. Interestingly, even the launch of the first phase did not prevent a hike in the company's reported loss to UAH 1.07bn in 2H13 vs. its UAH 663mn loss in 1H.



# **Recommendations**

March 20, 2014

				100 400	
EAV	EXI	RECU	MME	NDAII	UNS

Name	Ticker	Price, per share	Target price, per share	Upside, %	Rating	Commentary
Steel&Pipes						
Azovstal	AZST	0.68	0.56	-19%	SELL	Non-transparent reporting practices detrimentally affect Azovstal's reported earnings.
Iron Ore						
Ferrexpo	FXPO LN	142.7	218.0	53%	BUY	Operations at Ferrexpo's new Yeristovo Mine should allow the company to increase its iron ore pellet output by 10% YoY to 10.6mn tonnes in 2013, with further growth to 12.0mn tonnes in 2015.
Pivnichny GOK	SGOK	9.00	U/R	na	U/R	On its EGM on 14 Feb 2014, SGOK's shareholders approved additional issue of 14.75mn of new shares implying 0.64% of the company's share capital.
Centralny GOK	CGOK	8.40	U/R	na	U/R	On its EGM on 19 Feb 2014, CGOK's shareholders made a decision on additional issue of 14.73mn of new shares implying 1.26% of the company's share capital.
Coke						
Avdyivka Coke	AVDK	2.99	6.2	109%	BUY	AVDK's order book is secure thanks to its integration with Metinvest, Ukraine's largest M&M holding.
Yasynivsky Coke	YASK	0.71	3.4	384%	BUY	Yasynivsky Coke benefits from steady demand for its output both in Ukraine & abroad thanks to the high quality of its coke relative to other domestic producers.
Coal						
Pokrovske Mine	SHCHZ	0.48	2.9	520%	BUY	We expect Pokrovske Mine to double its coking coal extraction to 9.5mn tonnes over 2010-15.
Railcar Manufacturing						
Krukiv Wagon	KVBZ	21.6	U/R	-	U/R	
LuganskTeplovoz	LTPL	1.31	5.2	301%	BUY	LuganskTeplovoz's incorporation into TransMashHolding should help it to exploit its already-dominant position on the Russian market for diesel locomotives.
Specialized Machinery						
Motor Sich	MSICH	1755	5250	199%	BUY	Motor Sich should see its sales 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%.
Turboatom	TATM	5.00	8.9	78%	BUY	We model Turboatom's revenue as increasing at 18% CAGR over 2012-2015. Deliveries of hydro and steam turbines to export markets will remain the company's key revenue drivers.
Oil & Gas						
Concern Galnaftogaz	GLNG RPT	0.15 11.0	0.24 42.0	60% 282%	BUY	Galnaftogaz is pursuing a plan to aggressively expand its filling station network.  We assume that Regal will be able to produce 5,200 boepd in 2014, generating USD 116mn in sales.
Regal Petroleum						The launch of extraction at JKX's Russian gas field has lifted output, but the company's higher-margin
JKX Oil & Gas	JKX	62.3	370	494%	BUY	Ukrainian operations continue to lag behind expectations.
Power Utilities						
DonbasEnergo	DOEN	37.5	72.0	92%	BUY	DonbasEnergo is expected to pay a significant dividend from its FY13 profit that could amount to as much as UAH 5.0 per share, implying a dividend yield of 20%.
CenterEnergo	CEEN	5.20	15.00	188%	BUY	CentrEnergo's privatization has been postponed, but the company retains a strong fundamental value due to its large installed electricity generation capacity.
Consumer						
МНР	MHPC	13.4	22.10	66%	BUY	MHP is ramping up poultry production at its greenfield Vinnytsia complex, which has annual capacity of 220,000 tonnes. We think MHP will be able to expand its output by 50% over 2012-15 to 600,000 tonnes of poultry, with the lion's share of incremental volume to be exported.
Astarta	AST	44.0	90.0	105%	BUY	Astarta's business leans on three pillars: sugar beet cultivation/processing, grain cultivation, and cattle farming. With sugar prices depressed since 2011, a favorable market for grain should continue to drive the company's profitability.
AvangardCo	AVGR	8.7	19.35	122%	BUY	A doubling of egg processing capacity to 6mn eggs/day in 1H13 with further expansion to 10mn in early 2014 bode well for the group's earnings due to 1) the higher profitability of the egg products (EP) segment vs. shell eggs and 2) the longer storage life of EP, which enables the company to retain its output for sale in periods of more favorable pricing. Still, the reported selling price for the company's shell eggs appears to be unjustifiably high. Even with financial quality concerns priced in, the stock looks cheap vs. its global peers.
Ovostar Union	OVO	65.4	109.50	67%	HOLD	The company is on its way to implementing a two-stage investment program aimed at expanding egg production capacity to 2.1bn pieces by 2017, or 3x more compared to FY12 production of 719mn eggs. Very low liquidity in the OVO stock is a major concern.
Banks						
Raiffeisen Bank Aval	BAVL	0.147	0.24	64%	BUY	We base our valuation on an assumption of the bank's fair value at 0.9x of its book value, the level at which Italian lender Intesa Sanpaolo sold its Ukrainian subsidiary in early 2014.

Source: Eavex Research







Name	Ticker	Today,	52 high,	52 low,		Absolute	performan	ice	Perfor	mance rela	itive to the	UX inde
Name	HUNCI	UAH*	UAH*	UAH*	<b>1</b> d	<b>1</b> w	1m	ytd	<b>1</b> d	<b>1</b> w	<b>1</b> m	yto
UX Index	UX	1006.77	1153.01	781.22	-1.1%	-2.3%	8.6%	10.6%	0.0%	0.0%	0.0%	0.09
Steel												
Alchevsk Steel	ALMK	0.037	0.06	0.02	-3.2%	-4.2%	0.6%	-5.9%	-2.0%	-1.9%	-8.0%	-16.69
Azovstal	AZST	0.68	0.90	0.31	0.0%	-2.3%	13.5%	1.9%	1.1%	0.0%	4.9%	-8.79
Dniprospetzstal	DNSS	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/
Enakievo Steel	ENMZ	32.9	52.0	20.0	-0.4%	-8.1%	5.4%	2.9%	0.7%	-5.8%	-3.2%	-7.79
Arcelor Mittal KR	KSTL	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/
Mariupol Ilyicha	MMKI	0.14	0.20	0.05	0.0%	-17.6%	27.3%	40.0%	1.1%	-15.4%	18.7%	29.49
Coke												0.00
Avdyivka Coke	AVDK	2.99	4.80	1.60	-0.4%	-0.3%	6.8%	0.9%	0.7%	2.0%	-1.7%	-9.89
Yasynivsky Coking	YASK	0.71	0.84	0.49	-2.7%	-1.4%	29.1%	34.0%	-1.6%	0.9%	20.5%	23.39
Iron Ore Mining												40.00
Centralny GOK	CGOK	8.40	n/a	n/a	13.5%	5.0%	13.8%	29.2%	14.6%	7.3%	5.3%	18.69
Ferrexpo	FXPO	2.38	3.20	2.02	-2.9%	-0.8%	-16.5%	-24.7%	-1.8%	1.5%	-25.1%	-35.39
Pivnichny GOK	SGOK	9.00	10.00	5.77	0.0%	-8.0%	13.9%	12.5%	1.1%	-5.7%	5.4%	1.99
Coal Mining				_	_	_	_		_			0.40
Pokrovske Mine	SHCHZ	0.48	0.70	0.10	6.7%	6.7%	-2.0%	20.0%	7.8%	9.0%	-10.6%	9.49
Komsomolets Donbasa	SHKD	0.90	n/a	n/a	-5.3%	-20.4%	47.5%	45.2%	-4.1%	-18.1%	39.0%	34.59
Energy Coal	CLE	0.52	2.56	0.31	-3.4%	2.7%	42.9%	50.0%	-2.3%	5.0%	34.4%	39.49
Mining Machinery												/-
Svitlo Shakhtara	HMBZ	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Pipe Manufacturing												40.00
Khartsyzk Pipe	HRTR	0.60	0.80	0.30	0.0%	0.0%	0.0%	0.0%	1.1%	2.3%	-8.6%	-10.69
nterpipe NMPP	NVTR	0.23	n/a	n/a	27.8%	-11.5%	0.0%	9.5%	28.9%	-9.2%	-8.6%	-1.19
Railcar Manufacturing												42.00
Kryukiv Wagon	KVBZ	21.6	29.0	12.0	8.3%	5.6%	19.7%	24.6%	9.4%	7.9%	11.1%	13.99
Luhanskteplovoz	LTPL	1.31	2.20	1.20	0.0%	-14.9%	-12.7%	-12.7%	1.1%	-12.6%	-21.2%	-23.39
Stakhanov Wagon	SVGZ	1.14	n/a	n/a	0.0%	-8.8%	-8.8%	-12.3%	1.1%	-6.5%	-17.4%	-22.9%
Specialized Machinery												-7.69
Bogdan Motors	LUAZ	0.03	0.08	0.02	0.0%	-18.8%	16.7%	3.0%	1.1%	-16.5%	8.1%	-14.49
Motor Sich	MSICH	1,755	2,545	1,303	-1.5%	-2.0%	-10.4%	-3.8%	-0.4%	0.3%	-18.9%	29.09
Sumy Frunze Engineering	SMASH	3.49	n/a	n/a	0.0%	0.0%	39.6%	39.6%	1.1%	2.3%	31.0%	-62.19
Turboatom	TATM	1.70	n/a	n/a	0.0%	-15.0%	-47.7%	-51.4%	1.1%	-12.7%	-56.3%	24.09
WESTA ISIC	WES	0.18	0.26	0.13	-1.6%	4.7%	10.7%	34.6%	-0.4%	7.0%	2.1%	24.07
Telecom		0.40	0.40	0.00	0.00/	0.00/	00.00/	45 50/	4.40/	F 40/	40.40/	34.89
Ukrtelecom	UTLM	0.16	0.19	0.09	0.0%	3.2%	28.0%	45.5%	1.1%	5.4%	19.4%	34.07
Oil & Gas	DDT	0.40	0.40	0.40	0.40/	0.00/	0.00/	40.00/	4 =0/	0.50/	45.40/	-23.79
Regal Petroleum	RPT	0.18	0.42	0.18	0.4%	0.2%	-6.9%	-13.0%	1.5%	2.5%	-15.4%	-23.29
JKX Oil	JKX	1.04	1.21	0.75	1.2%	-2.5%	-9.6%	-12.6%	2.3%	-0.2%	-18.2%	67.59
Ukrnafta	UNAF	194	212	96	-1.0%	-0.2%	25.3%	78.2%	0.1%	2.1%	16.8%	01.57
Power Utilities	OFFN	F 00	7.40	0.50	4.00/	0.00/	42.00/	0.40/	0.00/	0.20/	F 00/	-1.69
Centrenergo	CEEN	5.20 37.5	7.40 43.0	2.50 15.4	-1.9%	-2.6%	13.8% 13.4%	9.1% 35.9%	-0.8% 0.4%	-0.3% -1.5%	5.2% 4.9%	25.39
Donbasenergo Zakhidanarga	DOEN				-0.7%	-3.8%						22.19
Zakhidenergo	ZAEN	120.0	134.0	64.0	2.1%	8.6%	2.6%	32.7%	3.3%	10.9%	-6.0%	22.1/
Consumer	AOT	4.04	2.0	0.20	2.00/	4.40/	40.00/	CO F0/	4.70/	C 70/	4.00/	49.99
Agroton	AGT	1.04	3.2	0.36	3.6%	4.4%	12.6%	60.5%	4.7%	6.7%	4.0%	-45.19
Astarta	AST	14.6	24.4	12.1	2.0%	16.7%	-25.4%	-34.4%	3.1%	19.0%	-33.9%	-36.49
Avangardo	AVGR	8.7	13.0	7.61	-0.2%	-3.1%	-20.7%	-25.8%	0.9%	-0.8%	-29.3%	-40.19
ndustrial Milk Company	IMC	2.85	5.14	2.49	2.3%	11.1%	10.8%	-29.4%	3.4%	13.4%	2.3%	-38.9
Kernel	KER	9.1	19.1	7.6 5.26	1.7%	19.0%	-25.6%	-28.3%	2.8%	21.3%	-34.2%	-36.9
Mriya Agro Holding MHPC	MAYA	7.79 13.4	8.2	5.36	6.4%	4.8%	13.0%	4.6%	7.6%	7.1%	4.5% -17.9%	-32.1
	MHPC		19.9	11.21	-0.4%	2.7%	-9.4% 10.0%	-21.5%	0.8%	5.0%		-48.0
Milkiland	MLK	2.60	4.7	2.22	-0.7%	4.1%	-19.0% 10.0%	-37.4%	0.4%	6.4%	-27.6% 19.6%	-45.4
Ovostar Union	OVO SNIDS	21.7	33.3	19.4	-2.1%	-2.6%	-10.0%	-34.8%	-1.0%	-0.3%	-18.6%	
Sintal ACR Agricolo	SNPS	n/a	-	-	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/ n/
MCB Agricole	4GW1	n/a	-	-	n/a	n/a	n/a	n/a	n/a	n/a	n/a	11/
Chemicals	CTID	44.0	- /-	/	0.00/	4740/	6.20/	4.00/	4.40/	14.00/	0.20/	-15.4
Stirol	STIR	11.9	n/a	n/a	0.0%	-17.1%	6.3%	-4.8%	1.1%	-14.8%	-2.3%	-10.4
Banks	DA\#	0.447	0.400	0.077	0.40/	0.50/	00.00/	20.20/	0.00/	0.00/	10 40/	18.6
Raiffeisen Bank Aval	BAVL	0.147	0.163	0.077	-2.1%	0.5%	28.0%	29.3%	-0.9%	2.8%	19.4%	-24.4
JkrSotsbank	USCB	0.162	0.257	0.111	0.0%	-7.4%	-1.5%	-13.8%	1.1%	-5.1%	-10.0%	-24.4

Source: Bloomberg
\* companies listed abroad are in USD







Name	Ticker	N	let Sales	6		EBITDA		EB	ITDA ma	argin	N	et Profit		Net	Profit m	ıargin
Hamo	1101101	2012	2013E	2014E	2012	2013E	2014E	2012	2013E	2014E	2012	2013E	2014E	2012	2013E	2014E
Steel																
Alchevsk Steel	ALMK	1,783	1,729	1,730	-5	-62	-14	neg	neg	neg	-127	-214	-35	neg	neg	neg
Enakievo Steel	ENMZ	1,578	1,531	1,561	-84	22	33	neg	1.5%	2.1%	9	-185	-29	0.5%	neg	neg
Azovstal	AZST	2,814	1,926	1,976	-181	-31	35	neg	neg	1.8%	-333	-308	-24	neg	neg	neg
Coke																
Avdyivka Coke	AVDK	1,090	914	784	-112	47	29	neg	5.1%	3.8%	-137	-6	-24	neg	neg	ne
Yasynivsky Coking	YASK	432	367	333	27	29	19	6.4%	7.8%	5.7%	8	11	5	1.9%	3.1%	1.4%
Iron Ore Mining																
Centralny GOK	CGOK	610	679	634	232	312	279	38.0%	46.0%	44.1%	95	194	163	15.6%	28.6%	25.7%
Pivnichny GOK	SGOK	1,416	1,630	1,506	750	914	816	53.0%	56.1%	54.2%	436	548	460	30.8%	33.7%	30.5%
Ferrexpo	FXPO	1.424	1.581	1.623	402	506	449	28.2%	32.0%	27.7%	216	264	248	15.1%	16.7%	15.3%
Coal Mining		,	,	,												
Komsomolets Donbasa	SHKD	273	220	234	125	92	94	45.9%	41.8%	40.1%	7	17	17	2.6%	7.6%	7.3%
Coal Energy	CLE	165	126	101	63	21	9	38.0%	16.8%	8.9%	38	-17	-24	23.2%	neg	neg
Pipe Manufacturing	V															
Khartsyzk Pipe	HRTR	480	310	319	52	31	30	10.8%	10.1%	9.5%	34	5	5	7.0%	1.5%	1.5%
Railcar Manufacturing																
Luhanskteplovoz	LTPL	216	329	367	29	36	38	13.4%	10.8%	10.4%	5	19	23	2.2%	5.9%	6.1%
Kryukiv Wagon	KVBZ	891	424	310	135	65	49	15.2%	15.3%	15.9%	95	25	18	10.7%	5.8%	5.8%
Stakhanov Wagon	SVGZ	311	172	150	7	6	5	2.3%	3.4%	3.6%	1	1	0	0.2%	0.3%	0.3%
Specialized Machinery	0.02	011		100				2.0%	3.170	0.070	_	_		0.270	0.070	
Turboatom	TATM	160	236	280	51	91	98	32.2%	38.7%	34.9%	38	72	69	23.8%	30.4%	24.8%
Motor Sich	MSICH	979	1.000	987	309	233	228	31.6%	23.3%	23.1%	200	169	167	20.4%	16.9%	16.9%
Telecom			_,													
Ukrtelecom	UTLM	838	749	654	206	215	209	24.5%	28.7%	31.9%	45	50	65	5.4%	6.6%	10.0%
Oil & Gas															51511	
Ukrnafta	UNAF	1.853	2.454	2,143	319	373	355	17.2%	15.2%	16.5%	176	131	121	9.5%	5.4%	5.7%
Regal Petroleum	RPT	51	38	60	21	17	31	42.0%	45.0%	52.0%	12	5	13	22.7%	13.2%	21.3%
JKX Oil	JKX	203	210	231	136	85	90	67.1%	40.5%	39.0%	-11	20	24	neg	9.5%	10.4%
Electric Utilities	•										==					
Centrenergo	CEEN	1.119	902	890	69	62	61	6.2%	6.8%	6.8%	29	43	44	2.6%	4.8%	5.0%
Donbasenergo	DOEN	574	656	647	32	72	57	5.6%	11.0%	8.8%	4	49	38	0.7%	7.5%	5.9%
Consumer	502.1	· · ·	000	0			· · ·	0.070	22.070	0.070				<b>3</b> /3	11070	
MHP	MHPC	1.408	1.422	1.635	468	413	545	33.2%	29.0%	33.3%	311	202	269	22.1%	14.2%	16.5%
Kernel	KER	2,157	2,797	2,480	322	291	255	14.9%	10.4%	10.3%	211	105	77	9.8%	3.8%	3.1%
Astarta	AST	456	505	559	109	81	138	20.0%	13.4%	20.5%	58	13	82	10.6%	2.2%	12.2%
Avangardco	AVGR	629	703	785	280	328	373	44.5%	46.6%	47.5%	228	262	300	36.3%	37.2%	38.3%
Agroton	AGT	88	69	76	200	13	12	23.2%	18.1%	15.4%	7	-2	-1	7.7%	neg	neg
Banks	AGI		Total Ass			Total Equ			Fotal Inco		,	Net Pro			urn on Eq	
Raiffeisen Bank Aval	BAVL	5,962	5,333	5,180	793	888	864	679	723	572	4	90		0.5%	10.1%	12.5%
Ukrsotsbank	USCB	4,854	5,283	4,949	957	1,064	1,016	451	318	400	1	1	20	0.5%	0.1%	2.0%

Source: Eavex Research





	Ticker	MCap		Float	EV		P/E			//EBITE			V/Sales		EV	/Outp	ut	Units
Charl	Honor	USD mn	% !	JSD mn	USD mn	2012	2013E	2014E	2012	2013E	2014E	2012	2013E	2014E	20122	2013E	2013E	Omto
Steel Alchevsk Steel																	4.44	Φ (4 - · · · · ·
Yenakievo Steel	ALMK	93	3.9%	4	1,887	neg	neg	neg	neg	neg	neg	1.1	1.1	1.1	488	455	441	\$/tonne
Azovstal	ENMZ	34	8.8%	3	28	4.0	neg	neg	neg	1.3	0.9	0.0	0.0	0.0	10	10	10	\$/tonne
Coke	AZST	283	3.0%	8	267	neg	neg	neg	neg	neg	7.6	0.1	0.1	0.1	58	59	59	\$/tonne
Avdyivka Coke																	45	<b>*</b> /******
Yasynivsky Coke	AVDK	57	6.8%	4	55	neg	neg	neg	neg	1.2	1.9	0.1	0.1	0.1	13	14	15	\$/tonne
Iron Ore Mining	YASK	19	9.0%	2	20	2.3	1.7	4.1	0.7	0.7	1.1	0.0	0.1	0.1	0.7	0.7	1.1	\$/tonne
Centralny GOK			2.20/															
Pivnichny GOK	CGOK	969	0.3%	2	967	10.2	5.0	5.9	4.2	3.1	3.5	1.6	1.4	1.5				
Ferrexpo	SGOK	2,041	0.4%	8	2,035	4.7	3.7	4.4	2.7	2.2	2.5	1.4	1.2	1.4				
Coal Mining	FXP0	1,398	24.0%	336	1,964	6.5	5.3	5.6	4.9	3.9	4.4	1.4	1.2	1.2				
Komsomolets Donbasa				_													20	<b>A</b> ()
Coal Energy	SHKD	30	5.4%	2	132	4.1	1.8	1.7	1.0	1.4	1.4	0.5	0.6	0.6	32	31	29	\$/tonne
	CLE	24	25.0%	6	134	0.6	neg	neg	2.1	6.3	14.9	0.8	1.1	1.3	2.1	6.3	14.9	\$/tonne
Pipe Manufacturing Khartsyzk Pipe																		<b>A</b> ()
	HRTR	153	2.0%	3	199	4.6	>30	>30	3.8	6.4	6.5	0.4	0.6	0.6	316	524	498	\$/tonne
Railcar Manufacturing																		
LuganskTeplovoz	LTPL	28	24.0%	7	65	5.8	1.5	1.3	2.3	1.8	1.7	0.3	0.2	0.2				
Krukiv Wagon Stakhanov Wagon	KVBZ	243	5.0%	12	243	2.6	9.9	13.6	1.8	3.7	4.9	0.3	0.6	0.8				
	SVGZ	25	8.0%	2	58	>30	>30	>30	8.1	9.9	10.6	0.2	0.3	0.4				
Specialized Machinery																		
Turboatom Motor Sich	TATM	146	5.8%	8	77	3.8	2.0	2.1	1.5	0.8	0.8	0.5	0.3	0.3				
	MSICH	359	24.0%	86	374	1.8	2.1	2.2	1.2	1.6	1.6	0.4	0.4	0.4				
Telecom																		
Ukrtelecom	UTLM	295	7.2%	21	616	6.5	6.0	4.5	3.0	2.9	3.0	0.7	0.8	0.9				
Oil & Gas																		
Ukrnafta	UNAF	1,033	3.0%	31	1,024	5.9	7.9	8.5	3.2	2.7	2.9	0.6	0.4	0.5	n/a	n/a	n/a	\$/boe
Regal Petroleum	RPT	59	21.6%	13	30	5.1	11.6	4.6	1.4	1.8	1.0	0.6	0.8	0.5	n/a	n/a	n/a	\$/boe
JKX Oil & Gas	JKX	178	50.4%	90	286	neg	8.9	7.4	2.1	3.4	3.2	1.4	1.4	1.2	52	39	38	\$/boe
Electric Utilities																		
CentrEnergo	CEEN	189	21.7%	41	258	6.6	4.4	4.3	3.7	4.2	4.2	0.2	0.3	0.3	14	18	16	\$/MWh
DonbasEnergo	DOEN	87	14.2%	12	158	22.8	1.8	2.3	4.9	2.2	2.8	0.3	0.2	0.2	19	20	19	\$/MWh
Consumer																		
MHP	MHPC	1,411	34.1%	481	2,571	4.5	7.0	5.2	5.5	6.2	4.7	1.8	1.8	1.6				
Kernel	KER	724	61.8%	447	1,430	3.4	6.9	9.4	4.4	4.9	5.6	0.7	0.5	0.6				
Astarta	AST	365	37.0%	135	699	6.3	27.5	4.5	6.4	8.6	5.1	1.5	1.4	1.2				
Avangardco	AVGR	557	22.5%	125	756	2.4	2.1	1.9	2.7	2.3	2.0	1.2	1.1	1.0	171	130	122	\$/mneggs
Agroton	AGT	23	26.2%	6	72	3.3	neg	neg	3.5	5.7	6.1	0.8	1.0	0.9	n/a	n/a	n/a	
Banks							P/E			P/Book			P/Asset	s				
Raiffeisen Bank Aval	BAVL	434	3.5%	15		>30	4.8	4.0	0.5	0.5	0.5	0.07	0.08	0.08				
Ukrsotsbank	USCB	293	0.7%	2		>30	>30	15.8	0.4	0.3	0.3	0.07	0.06	0.06				

Source: Eavex Research



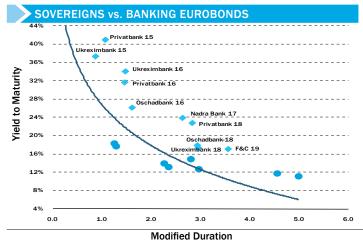


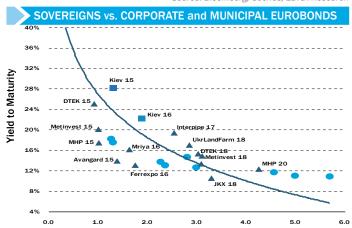
March 20, 2014

Naftogaz Ukraine, 2014 Ukraine, 2015 (EUR) Ukraine, 2015 Ukraine, 2016 Ukraine, 2016-2 Ukraine, 2017 Ukraine, 2017-2 Ukraine, 2017 Infr. projects Ukraine, 2018 Infr. projects Ukraine, 2020 Ukraine, 2021 Ukraine, 2021 Ukraine, 2021	93.8 88.8 83.7 84.3 84.0 84.4 83.5 87.7 78.0 77.0 83.4 84.0 83.9 83.2	95.8 90.2 87.2 86.3 85.5 85.9 85.2 88.6 80.0 80.3 84.6 85.8	41.7% 34.9% 19.1% 21.3% 14.5% 13.6% 12.9% 14.4% 18.3% 16.3% 11.7% 11.5%	30.4% 31.4% 15.7% 19.3% 13.6% 12.8% 14.0% 17.2% 14.8% 11.4%	-5.3% -10.9% -11.0% -12.7% -9.9% -9.7% -9.1% -11.1% -4.4% 0.2%	0.2 n/a 1.3 1.3 2.2 2.3 3.0 2.8 2.7	7.95% 9.50% 4.95% 6.875% 6.58% 6.25% 6.75% 9.25% 8.375%	S/A S/A A S/A S/A S/A S/A	4 Jun. 2014 30 Sept 2014 13 Oct 2015 23 Sept 2015 21 Nov 2016 17 Jun 2016 14 Nov 2017 24 Jul 2017	1,000 1,595 600° 500 1,000 1,250 700 2,000	/// Caa2/CCC/CCC Caa2/CCC/CCC Caa2/CCC/CCC Caa2/CCC/CCC Caa2/CCC/CCC Caa2/CCC/CCC
Ukraine, 2014 Naftogaz Ukraine, 2014 Ukraine, 2015 (EUR) Ukraine, 2015 Ukraine, 2016 Ukraine, 2016-2 Ukraine, 2017 Ukraine, 2017-2 Ukraine, 2017 Infr. projects Ukraine, 2018 Infr. projects Ukraine, 2020 Ukraine, 2021 Ukraine, 2021	88.8 83.7 84.3 84.0 84.4 83.5 87.7 78.0 77.0 83.4 84.0 83.9	90.2 87.2 86.3 85.5 85.9 85.2 88.6 80.0 80.3 84.6 85.8	34.9% 19.1% 21.3% 14.5% 13.6% 12.9% 14.4% 18.3% 16.3% 11.7%	31.4% 15.7% 19.3% 13.6% 12.8% 14.0% 17.2% 14.8%	-10.9% -11.0% -12.7% -9.9% -9.7% -9.1% -11.1% -4.4% 0.2%	n/a 1.3 1.3 2.2 2.3 3.0 2.8 2.7	9.50% 4.95% 6.875% 6.58% 6.25% 6.75% 9.25%	S/A A S/A S/A S/A S/A	30 Sept 2014 13 Oct 2015 23 Sept 2015 21 Nov 2016 17 Jun 2016 14 Nov 2017 24 Jul 2017	1,595 600* 500 1,000 1,250 700 2,000	Caa2/CCC/CCC Caa2/CCC/CCC Caa2/CCC/CCC Caa2/CCC/CCC Caa2/CCC/CCC Caa2/CCC/CCC
Naftogaz Ukraine, 2014 Ukraine, 2015 (EUR) Ukraine, 2015 Ukraine, 2016 Ukraine, 2016-2 Ukraine, 2017 Ukraine, 2017-2 Ukraine, 2017 Infr. projects Ukraine, 2018 Infr. projects Ukraine, 2020 Ukraine, 2021 Ukraine, 2021	88.8 83.7 84.3 84.0 84.4 83.5 87.7 78.0 77.0 83.4 84.0 83.9	90.2 87.2 86.3 85.5 85.9 85.2 88.6 80.0 80.3 84.6 85.8	34.9% 19.1% 21.3% 14.5% 13.6% 12.9% 14.4% 18.3% 16.3% 11.7%	31.4% 15.7% 19.3% 13.6% 12.8% 14.0% 17.2% 14.8%	-10.9% -11.0% -12.7% -9.9% -9.7% -9.1% -11.1% -4.4% 0.2%	n/a 1.3 1.3 2.2 2.3 3.0 2.8 2.7	9.50% 4.95% 6.875% 6.58% 6.25% 6.75% 9.25%	S/A A S/A S/A S/A S/A	30 Sept 2014 13 Oct 2015 23 Sept 2015 21 Nov 2016 17 Jun 2016 14 Nov 2017 24 Jul 2017	1,595 600* 500 1,000 1,250 700 2,000	// Caa2/CCC/CCC Caa2/CCC/CCC Caa2/CCC/CCC Caa2/CCC/CCC Caa2/CCC/CCC Caa2/CCC/CCC
Jkraine, 2015 (EUR)  Jkraine, 2015  Jkraine, 2016  Jkraine, 2016-2  Jkraine, 2017  Jkraine, 2017-2  Jkraine, 2017 Infr. projects  Jkraine, 2018 Infr. projects  Jkraine, 2020  Jkraine, 2021  Jkraine, 2021	83.7 84.3 84.0 84.4 83.5 87.7 78.0 77.0 83.4 84.0 83.9	87.2 86.3 85.5 85.9 85.2 88.6 80.0 80.3 84.6 85.8	19.1% 21.3% 14.5% 13.6% 12.9% 14.4% 18.3% 16.3% 11.7%	15.7% 19.3% 13.6% 12.8% 12.2% 14.0% 17.2%	-11.0% -12.7% -9.9% -9.7% -9.1% -11.1% -4.4% 0.2%	1.3 1.3 2.2 2.3 3.0 2.8 2.7	4.95% 6.875% 6.58% 6.25% 6.75% 9.25%	A S/A S/A S/A S/A	13 Oct 2015 23 Sept 2015 21 Nov 2016 17 Jun 2016 14 Nov 2017 24 Jul 2017	500 1,000 1,250 700 2,000	Caa2/CCC/CCC Caa2/CCC/CCC Caa2/CCC/CCC Caa2/CCC/CCC Caa2/CCC/CCC Caa2/CCC/CCC
Ukraine, 2015 Ukraine, 2016 Ukraine, 2016-2 Ukraine, 2017 Ukraine, 2017-2 Ukraine, 2017 Infr. projects Ukraine, 2018 Infr. projects Ukraine, 2020 Ukraine, 2021 Ukraine, 2021 Ukraine, 2021	84.3 84.0 84.4 83.5 87.7 78.0 77.0 83.4 84.0 83.9	86.3 85.5 85.9 85.2 88.6 80.0 80.3 84.6 85.8 85.4	21.3% 14.5% 13.6% 12.9% 14.4% 18.3% 16.3%	19.3% 13.6% 12.8% 12.2% 14.0% 17.2% 14.8%	-12.7% -9.9% -9.7% -9.1% -11.1% -4.4% 0.2%	1.3 2.2 2.3 3.0 2.8 2.7	6.875% 6.58% 6.25% 6.75% 9.25%	S/A S/A S/A S/A	23 Sept 2015 21 Nov 2016 17 Jun 2016 14 Nov 2017 24 Jul 2017	500 1,000 1,250 700 2,000	Caa2/CCC/CCC Caa2/CCC/CCC Caa2/CCC/CCC Caa2/CCC/CCC
Ukraine, 2016 Ukraine, 2016-2 Ukraine, 2017 Ukraine, 2017-2 Ukraine, 2017 Infr. projects Ukraine, 2018 Infr. projects Ukraine, 2020 Ukraine, 2021 Ukraine, 2021	84.0 84.4 83.5 87.7 78.0 77.0 83.4 84.0 83.9	85.5 85.9 85.2 88.6 80.0 80.3 84.6 85.8 85.4	14.5% 13.6% 12.9% 14.4% 18.3% 16.3% 11.7%	12.8% 12.2% 14.0% 17.2% 14.8%	-9.9% -9.7% -9.1% -11.1% -4.4% 0.2%	2.2 2.3 3.0 2.8 2.7	6.58% 6.25% 6.75% 9.25%	S/A S/A S/A S/A	21 Nov 2016 17 Jun 2016 14 Nov 2017 24 Jul 2017	1,000 1,250 700 2,000	Caa2/CCC/CCC Caa2/CCC/CCC Caa2/CCC/CCC
Ukraine, 2016-2 Ukraine, 2017 Ukraine, 2017-2 Ukraine, 2017 Infr. projects Ukraine, 2018 Infr. projects Ukraine, 2020 Ukraine, 2021 Ukraine, 2021	84.4 83.5 87.7 78.0 77.0 83.4 84.0 83.9	85.9 85.2 88.6 80.0 80.3 84.6 85.8 85.4	13.6% 12.9% 14.4% 18.3% 16.3% 11.7%	12.8% 12.2% 14.0% 17.2% 14.8%	-9.7% -9.1% -11.1% -4.4% 0.2%	2.3 3.0 2.8 2.7	6.25% 6.75% 9.25%	S/A S/A S/A	14 Nov 2017 24 Jul 2017	1,250 700 2,000	Caa2/CCC/CCC Caa2/CCC/CCC
Ukraine, 2017-2 Ukraine, 2017 Infr. projects Ukraine, 2018 Infr. projects Ukraine, 2020 Ukraine, 2021 Ukraine, 2022	87.7 78.0 77.0 83.4 84.0 83.9	88.6 80.0 80.3 84.6 85.8 85.4	14.4% 18.3% 16.3% 11.7%	14.0% 17.2% 14.8%	-11.1% -4.4% 0.2%	2.8 2.7	9.25%	S/A S/A	24 Jul 2017	700 2,000	Caa2/CCC/CCC
Ukraine, 2017-2 Ukraine, 2017 Infr. projects Ukraine, 2018 Infr. projects Ukraine, 2020 Ukraine, 2021 Ukraine, 2022	87.7 78.0 77.0 83.4 84.0 83.9	88.6 80.0 80.3 84.6 85.8 85.4	14.4% 18.3% 16.3% 11.7%	14.0% 17.2% 14.8%	-11.1% -4.4% 0.2%	2.8 2.7	9.25%	S/A		2,000	Caa2/CCC/CCC
Ukraine, 2017 Infr. projects Ukraine, 2018 Infr. projects Ukraine, 2020 Ukraine, 2021 Ukraine, 2022	78.0 77.0 83.4 84.0 83.9	80.0 80.3 84.6 85.8 85.4	18.3% 16.3% 11.7%	14.8%	-4.4% 0.2%	2.7					
Ukraine, 2018 Infr. projects Ukraine, 2020 Ukraine, 2021 Ukraine, 2022	77.0 83.4 84.0 83.9	80.3 84.6 85.8 85.4	16.3% 11.7%		0.2%			S/A	3 Nov 2017	568	Caa2//
Ukraine, 2020 Ukraine, 2021 Ukraine, 2022	83.4 84.0 83.9	84.6 85.8 85.4	11.7%	11.4%		3.1	7.40%	S/A	20 Apr 2018	690	Caa2//
Ukraine, 2021 Ukraine, 2022	84.0 83.9	85.8 85.4			-9.7%	4.6	7.75%	S/A	23 Sept 2020	1,500	Caa2/CCC/CCC
Ukraine, 2022	83.9	85.4		11.1%	-9.4%	5.0	7.95%	S/A	23 Feb 2021	1,500	Caa2/CCC/CCC
			10.7%	10.4%	-7.0%	5.7	7.80%	S/A	28 Nov 2022	1,250	Caa2/CCC/CCC
		84.1	10.4%	10.2%	-7.6%	5.9	7.50%	S/A	17 Apr 2023	1,250	Caa2/CCC/CCC
Corporate Eurobonds											
•	34.9	44.5	52.2%	39.4%	n/a	2.4	8.00%	S/A	14 Jul 2019	50	/CCC/RD
	93.6	95.8	19.5%	18.1%	-8.5%	1.0	10.25%	S/A	29 Apr 2015	235	Caa2//CCC
	80.0	83.6	13.2%	12.2%	-8.5%	4.3	8.25%	S/A	2 Apr 2020	750	/CCC/CCC
Avangardco, 2015	97.0	97.0	13.2%	13.2%	n/a	1.4	10.00%	S/A	29 Oct 2015	200	//B-
UkrLandFarming, 2018	77.2	82.0	19.3%	17.3%	-11.7%	2.8	10.88%	S/A	26 Mar 2018	275	/CCC/CCC
	91.8	94.9	17.5%	15.3%	n/a	1.6	10.95%	S/A	30 Mar 2016	72	/CCC/CCC
• •	80.8	83.2	16.0%	15.1%	-5.8%	3.0	9.45%	S/A	19 Apr 2018	400	/CCC/CCC
• .	87.0	88.9	27.9%	25.0%	-14.0%	0.9	9.50%	S/A	28 Apr 2015	200	Caa2//CCC
DTEK, 2018	76.2	77.8	16.1%	15.5%	-18.3%	3.1	7.88%	S/A	4 Apr 2018	750	Caa2//CCC
	90.0	95.0	23.4%	17.1%	-7.1%	1.0	10.25%	S/A	20 May 2015	500	Caa2//CCC
	85.5	89.9	14.0%	12.3%	-7.7%	3.1	8.75%	S/A	14 Feb 2018	750	Caa2//CCC
	91.5	94.0	13.5%	11.8%	-5.4%	1.7	7.875%	S/A	07 Apr 2016	500	/CCC/CCC
• •	70.0	73.0	20.6%	19.2%	-22.0%	3.0	9.50%	S/A	21 May 2018	500	/CCC/CCC
Interepipe, 2017	77.0	82.0	20.8%	17.9%	0.1%	2.5	10.25%	S/A	2 Aug 2017	200	//
	103.9	106.3	10.2%	9.5%	-5.3%	3.3	8.00%	S/A	19 Feb 2018	40	
Bank Eurobonds								,			
	70.0	80.0	19.0%	15.2%	-9.6%	3.6	9.25%	S/A	25 Jan 2019	100	Caa2//
	82.3	82.3	37.7%	37.7%	-16.5%	n/a	11.00%	Q	31 Dec 2014	275	Caa2//
	79.3	85.0	27.0%	20.8%	0.1%	2.6	8.00%	A	22 Jun 2017	175	//
	70.0	75.0	46.1%	37.7%	n/a	1.0	9.38%	S/A	23 Sept 2015	200	Caa2//
	60.0	70.0	39.3%	28.3%	-7.6%	1.4	8.75%	S/A	9 Feb 2016	150	Caa2//
	66.6	70.9	24.6%	22.4%	-17.9%	2.8	10.88%	S/A	28 Feb 2018	175	Caa2//CCC
	80.0	82.0	37.3%	33.8%	-16.0%	0.9	8.38%	S/A	27 Apr 2015	750	Caa2//CCC
	66.0	66.0	34.5%	34.5%	-22.6%	1.5	8.40%	S/A	2 Sept 2016	125	Caa2//CCC
	75.1	79.8	18.0%	16.0%	-13.1%	3.0	8.75%	S/A	22 Jan 2018	500	Caa2//CCC
,	70.0	78.0	207.0%	139.9%	-13.5%	n/a	10.50%	Q	14 Jun 2014	125	Caa2//WD
	78.0	81.0	25.3%	22.6%	-14.6%	1.6	8.25%	S/A	10 Mar 2016	700	Caa2//CCC
Oschadbank, 2018	77.5	80.0	16.9%	15.8%	-11.5%	3.1	8.88%	S/A	20 Mar 2018	500	Caa2//CCC
Municipal Eurobonds		55.0	10.070	10.070	11.0/0	5.1	0.0070	J/ N	20 11101 2010	300	0442//000
•	75.0	70.1	21 /10/	26.0%	-1710/	1 2	8 00%	Q / A	6 Nov 2015	250	0222/000/
	75.0 75.0	79.1 80.0	31.4% 24.1%	26.9% 20.7%	-17.1% -16.7%	1.3 1.9	8.00% 9.375%	S/A S/A	30 Jun 2016	250 300	Caa2/CCC/

<sup>1</sup>Moody's/S&P/Fitch; \* EUR

Source: Bloomberg, Chonds, Eavex Research



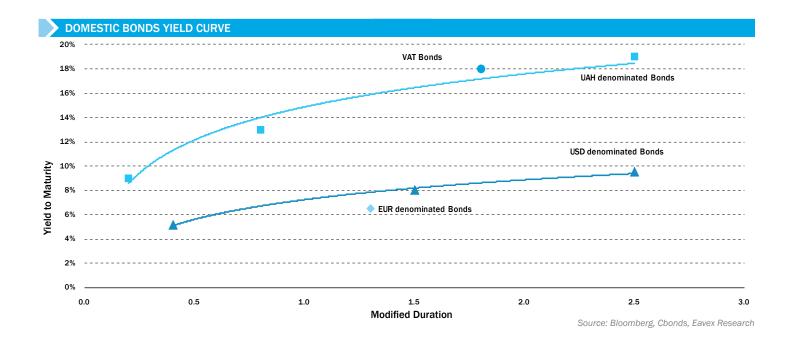


**Modified Duration** 



UKRAINIAN	DOMESTIC BON	IDS										
Issue	Price (Bid)	Price (Ask)	YTM (Bid)	YTM (Ask)	Modified Duration	Coupon	Coupon Period	Maturity Date	Volume mn USD			
UAH denominated Bonds												
UA4000115117			9.0%	7.5%	n/a	10.75%	S/A	26 Mar 2014	187			
UA4000141592			13.5%	12.0%	n/a	14.30%	S/A	20 May 2015	31			
UA4000142665			19.0%	17.0%	n/a	14.30%	S/A	24 May 2017	184			
USD denominated	l Bonds											
UA4000140362	n/a	n/a	5.8%	4.5%	n/a	9.20%	S/A	21 May 2014	171			
UA4000142699	n/a	n/a	9.5%	6.5%	n/a	9.45%	S/A	22 Apr 2015	312			
UA4000141071	n/a	n/a	9.5%	6.5%	n/a	9.45%	S/A	27 May 2015	152			
UA4000142673	n/a	n/a	9.6%	7.0%	n/a	4.50%	S/A	17 Jun 2015	175			
EUR denominated	Bonds											
UA4000142681	n/a	n/a	7.0%	5.3%	n/a	4.80%	S/A	6 May 2015	40			
VAT Bonds												
UA4000082531			17.5%	15.0%	n/a	5.50%	S/A	21 Aug 2015	141			
UA4000082622			17.5%	15.0%	n/a	5.50%	S/A	24 Aug 2015	571			
UA4000083059			17.5%	15.0%	n/a	5.50%	S/A	25 Aug 2015	415			

Source: Bloomberg, Chonds, Eavex Research





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