

### Regional Fixed Income Market Watch

Georgia, Armenia, Azerbaijan, Belarus, Kazakhstan, Ukraine, Russia, Turkey, Uzbekistan

Regional | Fixed Income Monthly October 4, 2023

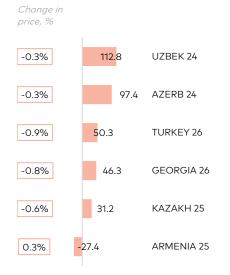
**Regional sovereign Eurobond market:** ARMENIA 25 was the best performer in Sep-23, with yield decreasing 27.4bps. Meanwhile, UZBEK 24 and AZERB 24 were the worst performers of the month, with the yields widening by 112.8bps and 97.4bps, respectively.

**Georgian corporate Eurobond market:** All Georgian corporate issuers enjoyed stable yields in September 2023, with yields changing within a narrow range of just +9/-6 basis points.

**FX market:** During Sep-23, all regional currencies weakened against US Dollar. The largest depreciations were recorded for the Kazakh tenge (KZT), Turkish lira (TRY) and Armenian Dram, depreciating by 4.3% m/m, 2.7% m/m and 2.5% m/m, respectively.

**Georgia money market**: In Sep-23, GEL 226.8mn treasury notes and GEL 40mn treasury bills were sold. Interest rates reduced on all instruments m/m (except for 1-year T-bills and 10-year notes). The weighted average interest rate on 10-year notes was 8.123%, on 5-year notes it was 8.264%, on 2-year notes it was 8.336%, and for 1-year instrument, it stood at 9.925%, while 6-month instrument had an interest rate of 9.463%. Notably, non-residents' treasury holdings remained unchanged at GEL 355.5mn and the share of non-residents in total outstanding holdings stood at 4.6% (unchanged m/m) in Sep-23.

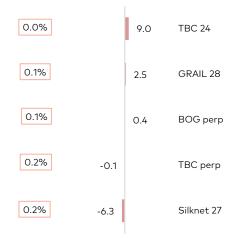
Regional Sovereign Eurobond yields, change m/m in September 2023, bps



Source: Bloomberg, Galt & Taggart

Georgian Corporate Eurobond yields, change m/m in September 2023, bps

Change in price, %



Source: Bloomberg, Galt & Taggart

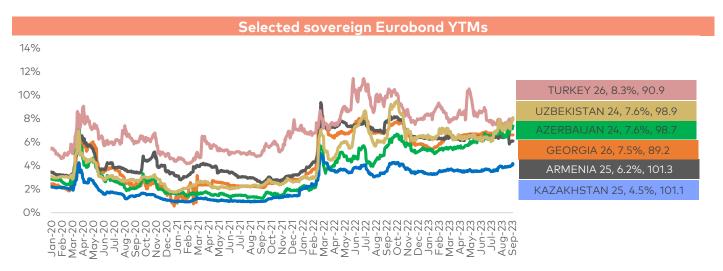
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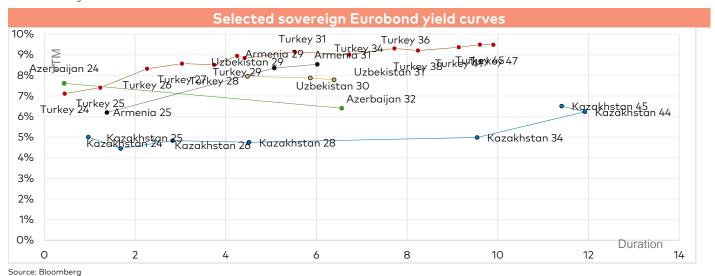
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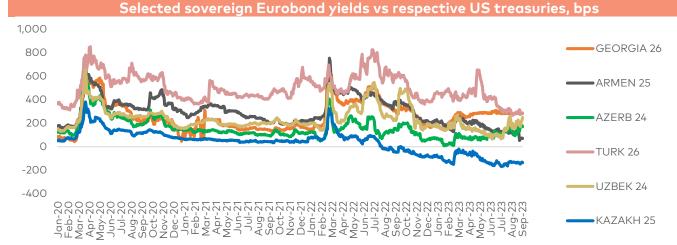
### Sovereign Eurobond yields



Source: Bloomberg

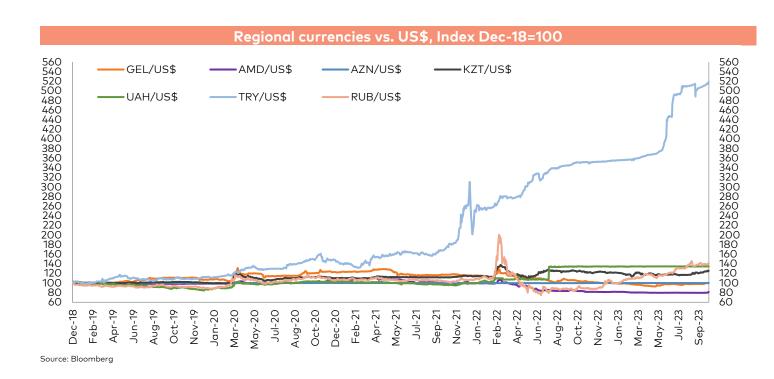






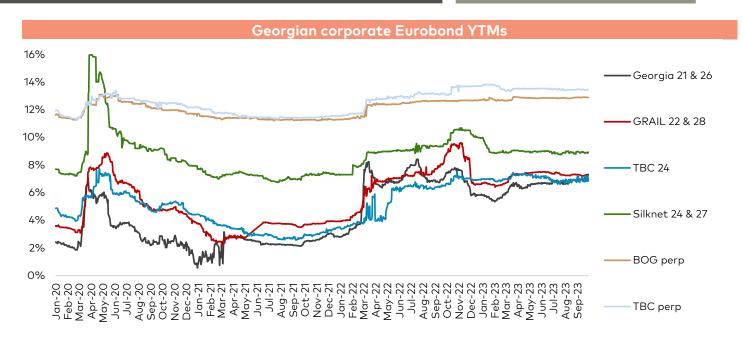
Source: Bloomberg





	Central banks' monetary policy rates													
	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23
Georgia	11.00%	11.00%	11.00%	11.00%	11.00%	11.00%	11.00%	11.00%	11.00%	10.50%	10.50%	10.50%	10.25%	10.00%
Armenia	9.50%	10.00%	10.00%	10.50%	10.75%	10.75%	10.75%	10.75%	10.75%	10.75%	10.50%	10.50%	10.25%	9.75%
Azerbaijan	7.75%	7.75%	8.00%	8.00%	8.25%	8.50%	8.50%	8.75%	8.75%	9.00%	9.00%	9.00%	9.00%	9.00%
Belarus	12.00%	12.00%	12.00%	12.00%	12.00%	11.50%	11.50%	11.00%	10.50%	10.00%	9.50%	9.50%	9.50%	9.50%
Ukraine	25.00%	25.00%	25.00%	25.00%	25.00%	25.00%	25.00%	25.00%	25.00%	25.00%	25.00%	22.00%	22.00%	20.00%
Kazakhstan	14.50%	14.50%	16.00%	16.00%	16.75%	16.75%	16.75%	16.75%	16.75%	16.75%	16.75%	16.75%	16.50%	16.50%
Russia	8.00%	7.50%	7.50%	7.50%	7.50%	7.50%	7.50%	7.50%	7.50%	7.50%	7.50%	8.50%	12.00%	13.00%
Uzbekistan	15.00%	15.00%	15.00%	15.00%	15.00%	15.00%	15.00%	14.00%	14.00%	14.00%	14.00%	14.00%	14.00%	14.00%
Turkey	13.00%	12.00%	10.50%	9.00%	9.00%	9.00%	8.50%	8.50%	8.50%	8.50%	15.0%	17.5%	25.00%	30.00%
FED	2.50%	3.25%	3.25%	4.00%	4.50%	4.50%	4.75%	5.00%	5.00%	5.25%	5.25%	5.50%	5.50%	5.50%
ECB Source: Central	0.50% banks	1.25%	2.00%	2.00%	2.50%	2.50%	3.00%	3.50%	3.50%	3.75%	4.00%	4.25%	4.25%	4.50%





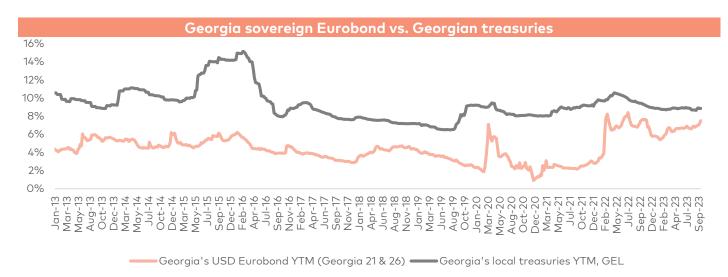
Source: Bloomberg

Georgian local bonds performance													
Issuer	Currency	Amount, mn	Coupon	Maturity date	Ratings (Fitch/S&P/Moody/ Scope)	Mid price	Mid yield, %	Z-spread, bps					
Bakhvi Hydro Power	USD	1.2	9.40%	Nov-27	-/-/-	n/a	n/a	n/a					
Energy Development Georgia	USD	10	8.50%	Jun-25	-/-/-	n/a	n/a	n/a					
Evex Hospitals	GEL	50	Ref rate + 3.10%	Nov-24	-/-/-/BB	n/a	n/a	n/a					
Geo. Beer Company	GEL	25	Ref rate + 4.00%	Dec-23	-/-/-/BB-	n/a	n/a	n/a					
Georgia Real Estate	USD	35	8.50%	Oct-24	-/-/-	99.99	8.50	n/a					
Geo. Renewable Power Oper.	USD	80	7.00%	Oct-27	-/-/-	100.00	7.00	n/a					
Geosteel	USD	15	9.00%	Apr-25	-/-/-	99.99	9.00	n/a					
IG Development	USD	15	6.75%	Jan-24	-/-/-	99.93	6.88	n/a					
IG Development	USD	15	8.50%	Jul-24	-/-/-	99.77	8.75	n/a					
Lisi Lake Development	USD	12	6.50%	Dec-24	-/-/B+	99.70	6.75	n/a					
Lisi Lake Development	USD	10	8.50%	Dec-24	-/-/-/B+	100.00	8.50	n/a					
MFO Crystal	GEL	25	TIBR6M + 4.75%	Feb-25	B-/-/-	n/a	n/a	n/a					
MFO MBC	GEL	15	TIBR3M + 4.50%	Dec-24	-/-/-/B+	n/a	n/a	n/a					
MFO Rico Express	GEL	130	TIBR1D + 2.00%	Mar-26	-/-/-/B+	n/a	n/a	n/a					
Nikora	GEL	35	TIBR3M + 3.50%	Nov-25	-/-/-/B+	n/a	n/a	n/a					
Nikora Trade	GEL	35	TIBR3M + 3.50%	Nov-24	-/-/-/B+	n/a	n/a	n/a					
SRG Real Estate	USD	20	9.00%	Apr-26	-/-/-	99.99	9.00	n/a					
TBC Leasing	GEL	100	TIBR3M + 3.00%	Mar-26	BB/-/-/-	n/a	n/a	n/a					
TBC Leasing	GEL	15	TIBR3M + 2.75%	Jun-26	BB/-/-/-	n/a	n/a	n/a					
Tegeta Motors	GEL	150	TIBR3M + 3.50%	Dec-25	-/-/-/BB-	n/a	n/a	n/a					
Tegeta Motors	USD	20	8.50%	Apr-25	-/-/-/BB-	99.61	8.75	n/a					
Tegeta Motors	EUR	5	7.00%	Apr-25	-/-/-/BB-	99.61	7.25	n/a					
Tegeta Motors	GEL	20	TIBR6M + 3.50%	Dec-25	-/-/-/BB-	n/a	n/a	n/a					
Georgia Capital	USD	150	8.5%	Aug-28	-/BB-/-/-	101.23	8.19	n/a					
SRG Real Estate	USD	20	9.25%	Sep-26	-/-/-	101.26	8.63	n/a					
Prime Concrete	USD	7.5	10.50%	Sep-27	-/-/-	n/a	n/a	n/a					

Source: Galt & Taggart

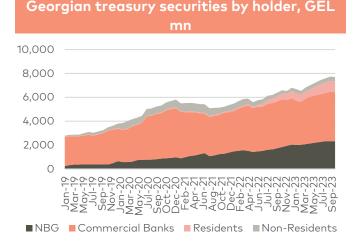


#### Georgian local treasury bonds



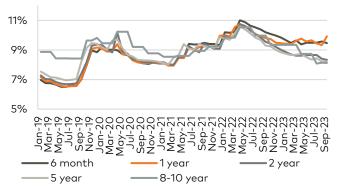
Source: Bloomberg, NBG, Galt & Taggart Research

Note: LC treasury yields are derived from daily yield curve information from NBG. From April 2021 calculation is based on a new GEORGIA 26 Eurobond





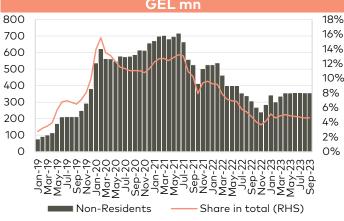
## Interest rates on Georgian treasury securities



Source: NBG

Note: The interest rates are taken from actual auctions on T-bills and T-notes.  $\ensuremath{\mathsf{T}}$ 

# Non-resident holdings as % of total treasuries, GEL mn



Source: NBG

#### Georgian treasury yield curve



Source: NBG

Note: The interest rates are taken from actual auctions on T-bills and T-notes.



## Sovereign

Issuer	Currency	Coupon, %	Maturity	Duration	Amount, mn	Mid price	YTM Mid	Ratings (Fitch/S&P/Moody's)
ARMEN	USD	7.150	3/26/2025	1.4	500	101.3	6.2	BB-/-/Ba3
ARMEN	USD	3.950	9/26/2029	5.1	500	79.6	8.4	BB-/-/Ba3
ARMEN	USD	3.600	2/2/2031	6.0	750	73.5	8.5	BB-/-/Ba3
AZERBJ	USD	4.750	3/18/2024	0.4	1,250	98.7	7.6	BB+/-/Ba1u
AZERBJ	USD	3.500	9/1/2032	6.6	1,077	80.5	6.4	BB+/-/Ba1u
GEORG	USD	2.750	4/22/2026	2.3	500	89.2	7.5	BB/BB/Ba2
KAZAKS	USD	3.875	10/14/2024	1.0	1,500	98.9	5.0	BBB/BBB-/Baa2
KAZAKS	USD	5.125	7/21/2025	1.7	2,500	101.1	4.5	BBB/BBB-/Baa2
KAZAKS	USD	6.500	7/21/2045	11.4	1,500	99.9	6.5	BBB/BBB-/Baa2
KAZAKS	USD	4.875	10/14/2044	11.9	1,000	84.2	6.2	BBB/BBB-/Baa2
KAZAKS	EUR	0.600	9/30/2026	2.8	500	88.5	4.8	BBB/BBB-/Baa2
KAZAKS	EUR	2.375	11/9/2028	4.5	525	89.4	4.8	BBB/BBB-/Baa2
KAZAKS	EUR	1.500	9/30/2034	9.5	650	71.0	5.0	BBB/BBB-/Baa2
KAZAKS	EUR	1.550	11/9/2023	0.1	525	99.6	5.8	BBB/BBB-/Baa2
TURKEY	USD	5.750	3/22/2024	0.4	2,500	99.4	7.1	B/-/B3
TURKEY	USD	7.375	2/5/2025	1.2	3,250	99.9	7.4	B/NR/B3
TURKEY	USD	4.250	4/14/2026	2.3	1,500	90.9	8.3	B/-/B3
TURKEY	USD	6.000	3/25/2027	3.0	3,250	92.4	8.6	B/-/B3
TURKEY	USD	5.125	2/17/2028	3.7	2,000	87.8	8.5	B/-/B3
TURKEY	USD	11.875	1/15/2030	4.4	1,500	114.3	8.8	B/NR/B3
TURKEY	USD	7.625	4/26/2029	4.3	3,000	94.3	8.9	B/-/B3
TURKEY	USD	5.950	1/15/2031	5.5	2,250	83.3	9.1	B/-/B3
TURKEY	USD	8.000	2/14/2034	6.7	1,500	93.3	9.0	B/NR/B3
TURKEY	USD	6.875	3/17/2036	7.7	2,750	82.3	9.3	B/NR/B3
TURKEY	USD	7.250	3/5/2038	8.2	1,000	84.5	9.2	B/NR/B3
TURKEY	USD	6.000	1/14/2041	9.1	3,000	71.4	9.4	B/NR/B3
TURKEY	USD	6.625	2/17/2045	9.6	3,000	73.9	9.5	B/-/B3
TURKEY	USD	5.750	5/11/2047	9.9	3,500	65.0	9.5	B/-/B3
TURKEY	USD	6.350	8/10/2024	0.8	2,250	99.4	7.1	B/-/B3
TURKEY	USD	7.250	12/23/2023	0.2	2,000	100.0	7.1	B/-/B3
TURKEY	EUR	4.375	7/8/2027	3.3	1,500	93.2	6.5	B/-/B3
TURKEY	USD	6.375	10/14/2025	1.8	2,500	96.8	8.1	B/-/B3
TURKEY	EUR	5.200	2/16/2026	2.1	1,500	98.2	6.0	B/-/B3
TURKEY	EUR	4.625	3/31/2025	1.4	1,250	99.1	5.3	B/-/B3
TURKEY	USD	5.250	3/13/2030	5.2	2,000	81.5	9.1	B/-/B3
TURKEY	USD	4.250	3/13/2025	1.4	2,000	95.2	7.9	B/-/B3
TURKEY	USD	4.875	4/16/2043	9.9	3,000	61.2	9.2	B/-/B3
TURKEY	USD	6.500	9/20/2033	6.9	1,500	83.7	9.0	B/-/B3
TURKEY	USD	8.600	9/24/2027	3.3	2,000	100.2	8.5	B/-/B3
TURKEY	USD	4.875	10/9/2026	2.6	3,000	90.8	8.4	B/-/B3
TURKEY	USD	4.750	1/26/2026	2.1	1,750	92.7	8.3	B/-/B3
TURKEY	USD	5.600	11/14/2024	1.0	2,500	98.1	7.4	B/-/B3
TURKEY	EUR	3.250	6/14/2025	1.6	1,000	96.4	5.5	B/-/B3
TURKEY	USD	6.750	5/30/2040	8.6	2,000	77.3	9.5	B/NR/B3
TURKEY	USD	6.125	10/24/2028	4.1	2,750	89.7	8.7	B/-/B3
TURKEY	USD	5.875	6/26/2031	5.8	1,750	82.3	9.1	B/-/B3
UZBEK	USD	4.750	2/20/2024	0.4	500	98.9	7.6	BB-/BB-/Ba3u
UZBEK	USD	5.375	2/20/2029	4.5	500	88.9	8.0	BB-/BB-/-
UZBEK	USD	3.700	11/25/2030	5.9	555	77.5	7.9	BB-/BB-/-
UZBEK	USD	3.900	10/19/2031	6.4	635	77.1	7.8	BB-/BB-/-
Source: Bloomberg	030	3.700	10/17/2031	0.4	033	//.1	7.0	י-טט / טט-/ -



### **Financial**

Issuer	Country	Currency	Coupon, %	Maturity	Duration	Amount, mn	Mid price	YTM Mid	Ratings (Fitch/S&P/Moody's)
IBAZAZ	Azerbaijan	USD	3.500	9/1/2024	0.9	1,000	95.7	8.6	BB-/-/-
TBCBGE	Georgia	USD	5.750	6/19/2024	0.7	300	99.2	6.9	BB/-/Ba2
GEBGG	Georgia	USD	11.125	1/8 PERP	0.7	100	99.7	12.8	B-/-/-
TBCBGE	Georgia	USD	8.894	894 PERP	2.7	75	90.2	12.5	B-/-/-
TBCBGE	Georgia	USD	10.775	775 PERP	0.9	125	97.1	13.5	B-/-/-
DBKAZ	Kazakhstan	USD	5.750	5/12/2025	1.5	500	100.0	5.7	BBB/-/Baa2
SAMRUK	Kazakhstan	USD	2.000	10/28/2026	2.9	500	89.0	6.0	BBB/BBB-/-
DBKAZ	Kazakhstan	USD	2.950	5/6/2031	6.4	500	78.9	6.5	BBB/-/Baa2
DBKAZ	Kazakhstan	USD	6.000	3/23/2026	2.2	107	99.2	6.4	BBB/BBB-/Baa2
AKBNK	Turkey	USD	5.125	3/31/2025	1.4	500	96.4	7.7	B-/-/B3
ISCTR	Turkey	USD	6.125	4/25/2024	0.5	1,250	99.4	7.2	B-/-/B3
ISCTR	Turkey	USD	8.100	12/3/2029	4.0	50	76.1	14.2	B-/-/NR
YKBNK	Turkey	USD	5.850	6/21/2024	0.7	500	99.1	7.2	B-/-/B3
YKBNK	Turkey	USD	8.250	10/15/2024	0.9	500	100.7	7.5	B-/-/B3
VAKBN	Turkey	USD	6.500	1/8/2026	2.0	750	96.5	8.2	B-/-/B3
AKBNK	Turkey	USD	6.800	2/6/2026	2.1	500	97.5	8.0	B-/-/B3
TCZIRA	Turkey	USD	5.375	3/2/2026	2.2	600	92.7	8.8	B-/-/B3
QNBFB	Turkey	USD	6.875	9/7/2024	0.9	650	100.0	6.9	B-/-/B3
VAKBN	Turkey	USD	5.500	10/1/2026	2.7	500	92.4	8.4	B-/-/-
VAKBN	Turkey	USD	8.125	3/28/2024	0.5	600	100.5	7.1	B-/-/B3
VAKBN	Turkey	USD	5.250	2/5/2025	1.2	750	97.0	7.7	B-/-/B3
TSKBTI	Turkey	USD	5.875	1/14/2026	2.0	350	94.3	8.7	B-/-/B3
TSKBTI	Turkey	USD	6.000	1/23/2025	1.2	400	97.3	8.2	B-/-/B3
FCFIN	Turkey	USD	7.250	11/9/2027	0.1	150	97.7	10.3	B/-/B2
GARAN	Turkey	USD	5.250	12/20/2024	1.1	50	100.9	4.5	B-/-/-
ISCTR	Turkey	USD	5.050	2/25/2026	2.0	13	84.4	13.1	B-/-/NR
AKBNK	Turkey	USD	6.050	11/15/2024	1.0	50	97.8	8.1	B-/-/-
YKBNK	Turkey	USD	6.050	12/10/2024	1.1	50	98.6	7.3	B-/-/B3
EXCRTU	Turkey	USD	8.250	1/24/2024	0.3	500	100.2	7.5	B-/-/B3
EXCRTU	Turkey	USD	5.750	7/6/2026	2.4	750	93.2	8.6	B-/-/B3
EXCRTU	Turkey	USD	5.375	10/24/2023	0.0	500	99.9	7.6	B-/-/B3
EXCRTU	Turkey	USD	6.125	5/3/2024	0.5	500	99.0	7.9	B-/-/B3
IPTBZU	Uzbekistan	USD	5.500	11/19/2025	1.9	300	91.3	10.1	BB-/BB-/-
SQBNZU	Uzbekistan	USD	5.750	12/2/2024	1.1	300	95.3	10.2	BB-/BB-/-
NBUZB Source: Bloomberg	Uzbekistan	USD	4.850	10/21/2025	1.8	300	92.4	9.0	BB-/BB-/-

#### **Basic Materials**

Issuer	Country	Currency	Coupon, %	Maturity	Duration	Amount,	Mid price	YTM Mid	Ratings
						mn			(Fitch/S&P/Moody's)
ELDCN	Turkey	USD	6.250	9/1/2029	4.7	500	85.3	9.6	B+/BB-/B3
Source: Bloomberg									



### Communications

Issuer	Country	Currency	Coupon, %	Maturity	Duration	Amount, mn	Mid price	YTM Mid	Ratings (Fitch/S&P/Moody's)
SILNET	Georgia	USD	8.375	1/31/2027	2.8	300	98.6	8.9	BB-/-/B1
TURKTI	Turkey	USD	4.875	6/19/2024	0.7	500	97.5	8.6	B/B/-
TURKTI	Turkey	USD	6.875	2/28/2025	1.3	500	97.5	8.8	B/B/-
TCELLT	Turkey	USD	5.750	10/15/2025	1.8	500	96.8	7.5	B/B/B3∪
TCELLT	Turkey	USD	5.800	4/11/2028	3.7	500	92.1	7.9	B/B/-

### **Energy**

lss	uer	Country	Currency	Coupon, %	Maturity	Duration	Amount, mn	Mid price	YTM Mid	Ratings (Fitch/S&P/Moody's)
	SOIAZ	Azerbaijan	USD	6.950	3/18/2030	5.1	750	100.8	6.8	BB+/BB-/NR
	SGCAZE	Azerbaijan	USD	6.875	3/24/2026	2.2	2,000	99.4	7.2	BB+/-/Ba1
	TENGIZ	Kazakhstan	USD	4.000	8/15/2026	2.4	1,000	90.3	7.8	-/BB+/Baa2
	TENGIZ	Kazakhstan	USD	2.625	8/15/2025	1.7	500	90.4	8.3	-/BB+/Baa2
	KZOKZ	Kazakhstan	USD	6.375	10/24/2048	10.6	1,500	80.0	8.3	BBB/-/Baa2
	KZOKZ	Kazakhstan	USD	4.750	4/19/2027	3.1	1,000	93.5	6.9	BBB/BB+/Baa2
	KZOKZ	Kazakhstan	USD	5.375	4/24/2030	5.2	1,250	90.1	7.3	BBB/-/Baa2
	KZOKZ	Kazakhstan	USD	3.500	4/14/2033	7.5	750	74.0	7.4	BBB/-/Baa2
	KZTGKZ	Kazakhstan	USD	4.375	9/26/2027	3.6	706	92.0	6.7	BBB-/-/Baa2
	KZOKZ	Kazakhstan	USD	5.750	4/19/2047	10.9	1,250	76.5	8.0	BBB/BB+/Baa2
	TENGIZ	Kazakhstan	USD	3.250	8/15/2030	5.8	750	75.4	8.0	-/BB+/Baa2
	AYDEMT	Turkey	USD	7.750	2/2/2027	2.3	750	88.2	12.2	B/B/-
	TUPRST	Turkey	USD	4.500	10/18/2024	1.0	700	96.9	7.7	B/-/B3
	UNGUZB	Uzbekistan	USD	4.750	11/16/2028	4.2	700	80.4	9.7	BB-/BB-/-
Sou	rce: Bloomberg									

#### Other

lssuer	Country	Currency	Coupon, %	Maturity	Duration	Amount, mn	Mid price	YTM Mid	Ratings (Fitch/S&P/Moody's)
GRAIL	Georgia	USD	4.000	6/17/2028	4.1	500	86.8	7.4	BB-/BB-/-
SISETI	Turkey	USD	6.950	3/14/2026	2.2	700	97.2	8.2	B/-/B3
ACKAF	Turkey	EUR	3.000	5/27/2026	2.4	350	92.7	6.1	BB-/BB/-
PGSUST	Turkey	USD	9.250	4/30/2026	1.4	375	101.0	8.8	BB-/B+/-
THYAO	Turkey	USD	4.200	3/15/2027	1.8	182	90.7	7.3	BB-/B/B2
ULKER	Turkey	USD	6.950	10/30/2025	1.8	650	94.0	10.3	B/B/-
CCOLAT	Turkey	USD	4.500	1/20/2029	4.5	500	88.1	7.3	BBB/BB+/-
CCOLAT	Turkey	USD	4.215	9/19/2024	0.9	300	97.2	7.4	BBB/-/WR
AEFES	Turkey	USD	3.375	6/29/2028	4.2	500	81.9	8.1	BB+ *-/BB+/-
LIMISK	Turkey	USD	9.500	7/10/2036	5.3	370	89.6	11.0	B *-/-/B3
MERSIN	Turkey	USD	5.375	11/15/2024	1.0	600	97.9	7.3	B/B/-
KCHOL	Turkey	USD	6.500	3/11/2025	1.3	750	99.0	7.2	-/B+/B3
TURKSK	Turkey	USD	7.250	2/24/2027	2.9	3,000	97.2	8.2	B/-/B3
TURKSK	Turkey	USD	5.125	6/22/2026	2.4	2,500	93.0	8.1	B/-/B3
TURKSK	Turkey	USD	4.489	11/25/2024	1.1	1,000	97.0	7.3	B/-/B3
ISTNBL	Turkey	USD	10.750	4/12/2027	2.7	305	101.5	10.2	B/-/B3
ISTNBL	Turkey	USD	6.375	12/9/2025	1.9	580	94.0	9.5	B/-/B3
ZOREN	Turkey	USD	9.000	6/1/2026	1.9	300	92.8	12.2	B-/CCC+/-
UZAMTS Source: Bloomberg	Uzbekistan	USD	4.850	5/4/2026	2.3	300	88.0	10.3	BB-/B+/-



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