Environmental gilt

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The last few weeks, culminating with moves last Wednesday, have seen unprecedented volatility in UK bond markets. UK gilt yields were on course for their sharpest monthly rise since 1957 before the Bank of England stepped in to stabilise the market, by temporarily purchasing long-dated UK Government bonds.

Sterling yields have been climbing throughout the recent high inflation period, responding to anticipated and realised rate rises. Movements were accelerated as a new Chancellor of the Exchequer announced a series of tax cuts last week without an accompanying economic forecast from the Office of Budget Responsibility.

The general market background remains weak with risk for sale across asset classes, as the impact of persistent inflation, energy insecurity, and interest rate rises continues to be absorbed.

We want to examine the recent performance of UK sterling bonds, particularly from green bond issuers, to understand any implications for green bond investors. We want to test if green bonds have remained resilient over this period, or exhibited differing levels of volatility.

We observe little differentiation in behaviour in the past period, either in terms of performance or volatility, with green and vanilla debt trading largely inline. As green bonds have identical credit exposure post issuance, and a larger investor base, our opinion is that owning green debt at flat spread levels should be preferable. We invite investors to consider this recent period of gilt market weakness as a potentially attractive entry point.

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1 “Bank of England intervenes in bond market after historic sell-off”, CNBC, 28 Sep 2022
2 “How Kwasi Kwarteng’s mini-Budget broke the UK bond market”, FT, 28 Sep 2022
3 “Kwasi Kwarteng U-turns on plans to scrap 45p tax rate”, BBC, 3 Oct 2022

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GBP Green Bond Market

The GBP bond market is smaller than other currencies but still significant. Figure 2 shows GBP as well as all currencies with >25 green bond issues so far in 2022. Aside from Nordic currencies, EUR stands out as having a larger percentage of green bonds issuance, with GBP still having issued 3.5bn YTD across 9 issues, which as a percentage of total issuance is over 2x USD.

One distinguishing factor for the GBP bond market is the demand driven by pension funds, so demand often tends to be longer dated than for other currencies. Figure 3 shows the proportion of issuance in 2022 which has been longer than 10 years, and here we see GBP is a clear leader in terms of the duration of issuance. Indeed, securing long-dated financing can be a reason for non-local issuers to come to the market. Increased duration does however mean increased volatility, especially in periods of monetary policy change.

UK Gilts

The UK Government has issued two green bonds. In Sep 21, it initiated notes maturing in 2033 and, in Oct 21, it brought notes maturing in 2053. In line with typical behaviour of the UK Treasury, both issues have been tapped multiple times, with 12.5bn and 10.6bn currently outstanding respectively. The bonds have relatively low coupons (0.875% and 1.5% respectively), and so have been trading below par practically since inception, although performing broadly inline with equivalent traditional bonds (see Figure 4).

On 28 Sep 2022 the 1.5 2053 green gilt was re-opened for £4.5bn, and bids were invited subject to the usual auction process. The book closed at 10am with total orders of £30.1bn, and price was set as 1bp over the reference gilt. Final pricing was calculated at 1.21pm, at £52.477 with the UK
domestic market providing the main support for the issue. On the same day the Bank of England announced an emergency gilt purchase programme to begin the same afternoon at 3pm, with a focus on longer-dated notes of maturity greater than 20 years. The green 53s would not be included in the inaugural auction, as any recently issued or recently re-opened issue is excluded, however unsurprisingly this provided strong support for all gilts, including the 53s, which closed with a daily gain of nearly 12%. Indeed, the tap was priced 7% higher than the previous day close, but still 4.5% below the close of the day.

We also note some media reports of the new UK Prime Minister Liz Truss reducing the Government’s commitment to net zero by legalising fracking. The Government is re-stating that it intends to support the environment, however even before such market volatility being blamed on Treasury policies, it seems likely that cost-of-living concerns and public service spending challenges may reduce the spending allocated to environmental programmes.

Green bonds are linked to environmental objectives only at issuance, so if there were a near-term reduced spending commitment, this might translate into a lower level on ongoing green issuance. Given demand is likely to remain unchanged, this could produce outperformance if future supply were to be reduced.

GBP Corporate Green Bond Issuers

The headlines and focus have very much been on UK government bonds. We drill down into GBP corporate green bond issuance, to see what has been happening. There are a few issuers with multiple green bonds which we want to analyse. We ask ourselves, aside from obvious GBP rate volatility, how volatile have bond spreads been; has there been any differentiation of performance between green and traditional debt; and is there any difference in the recent volatility.

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4 “Syndicated Re-opening of £4.5 Billion of 1.4% Green Gilt 2053: Result”, UK Debt Management Office, 28 Sep 2022
6 Source Bloomberg
7 “Liz Truss’s government denies abandoning climate targets despite plane to legalise fracking”, Independent, 8 Sep 2022
8 “Net zero tsar Chris Skidmore: We won’t ditch target”, The Times, 29 Sep 2022
Anglian Water

Anglian Water (ticker AWLN) is a utility company providing water and wastewater services in the East of England. It has issued six green bonds in GBP, although one is inflation-linked which we exclude from this analysis. It has a large capital structure with USD6.8bn debt outstanding.

The green 29s have shown lower volatility than the only slightly shorter 6.625 29s and have also held in quite well. The pricing curve shows little observable greenium, except perhaps in the 1.7 35s which look tight compared to the vanilla 2.4 35s.

SSE Plc

SSE Plc (ticker SSELN) is an energy company headquartered in Scotland. It has issued three green bonds in GBP, and has a total of USD10.2bn debt outstanding.

The volatility and spread widening seem commensurate across green and vanilla debt depending on maturity, and the pricing curve shows no material greenium, although perhaps the 2.125 36s are a little tight.
Thames Water

Thames Water (ticker THAMES) is a utility company providing water and wastewater services to Greater London. It has issued two GBP green bonds, although from an issuing entity (Thames Water Utilities Ltd) that has no vanilla debt. The USD and EUR green bonds are issued from its standard finance vehicle (Thames Water Utilities Finance PLC). We have compared them to GBP bonds issued from the finance company but highlight the potential inconsistency.

The green bonds look slightly wider than the vanilla but we recognise the different issuing entity, and assume this would contribute to a lower level of liquidity. We expect this also feeds through into the higher volatility we have seen over the recent period from these green bonds.

Whitbread Group Plc

Whitbread Group Plc (ticker WTBLN) is a multinational hotel and restaurant company headquartered in the UK. It has only three bonds outstanding, of which two are green bonds. All its public debt is in GBP.

The bonds have experienced some volatility, although the 31s in particular have been less than similar maturity issues from THAMES or AWLN.

In summary, our analysis supports the conclusion that we observe little differentiation of performance or volatility between green and traditional bonds. Nevertheless, given the wider investor base for green assets, our opinion is that owning green bonds at flat spreads should be preferable.
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