

Market insights contributors



Amanda Lynam, CPA

Head of Macro Credit Research, Portfolio Management Group



Dominique Bly

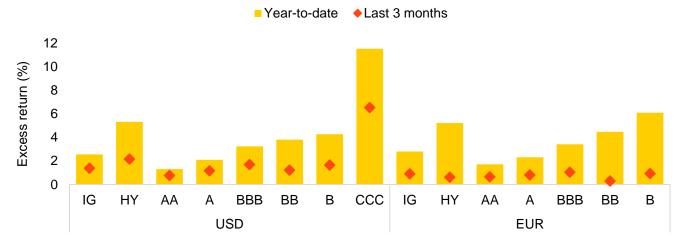
Macro Credit Research Strategist, Portfolio Management Group

Key takeaways

- Federal Reserve Chair Jerome Powell's remarks this week (Dec. 4th) acknowledged the stronger than anticipated U.S. growth momentum vs. what the FOMC expected when it last provided quarterly economic projections in September. Chair Powell's remarks were closely watched following Fed Governor Chris Waller's comments earlier in the week, where he noted the current level of monetary policy is "significantly restrictive". With 4Q2024 U.S. real GDP tracking at an above-trend pace of 3.2%, many market participants have questioned: is the current stance of monetary policy really that restrictive? And is the "neutral" rate of policy higher than believed? In his remarks, Chair Powell specifically referenced the economic pressures facing low-income consumers reflective of the persistent pattern of bifurcation we have flagged in recent quarters.
- We still expect the FOMC to cut by 25bp at the December meeting. But in 2025, the forward path for monetary policy is much more uncertain, given the <u>potential</u> for significant policy shifts. For corporate credit, growth is key. Fewer or slower Fed rate cuts in response to strong economic growth can likely be easily digested by credit spreads (this is reflected in current valuations). By contrast, fewer or slower Fed rate cuts because of reaccelerating inflation would be a much less supportive backdrop for risk assets, especially if coupled with weaker growth.
- In this week's *Global Credit Weekly*, we take stock of the most recent company commentary on the topic of potential tariffs. Key takeaways from our review of 26 U.S. companies' transcripts (across 16 subsectors) include: (1) despite trade policy uncertainty, many businesses feel well-equipped to accommodate tariffs, should they be implemented; (2) over the past few years, many businesses have invested in supply chain resilience (over efficiency); further, some sectors actually see a potential *benefit* from broader supply chain disruptions; and (3) certain sectors (i.e., energy and materials) expressed confidence in the next administration's sector-specific policy views and noted this clarity supports their willingness to expand business investment.

Exhibit 1: Lower-rated credit has outperformed this year

Excess returns (which exclude interest rate fluctuations) for the Bloomberg USD and EUR Corporate indices



Source: Bloomberg, BlackRock. As of Dec. 2, 2024. **The figures shown relate to past performance. Past performance is not a reliable indicator of current or future results.** Index performance returns do not reflect any management fees, transaction costs, or expenses. Indices are unmanaged and one cannot invest directly in an index. USD and EUR excess returns exclude the impact from interest rate fluctuations on U.S. Treasuries and German Bunds, respectively. We exclude USD AAA, EUR AAA, and EUR CCC due to small sizes.

Chair Powell signals some patience in the search for "neutral"

Federal Reserve (Fed) Chair Jerome Powell provided remarks on the U.S. economy at the NY Times/DealBook Summit on December 4th. The timing of his remarks was notable as they were given ahead of (1) a highly-anticipated non-farm payrolls report (December 6th) and (2) the start of the Fed's "quiet period" heading into its December 17th-18th Federal Open Market Committee (FOMC) meeting.

Chair Powell's remarks were also closely watched following Fed Governor Chris Waller's comments earlier in the week (December 2nd), where he noted in a <u>speech</u> (titled *Cut or Skip?*) that "I believe the evidence is strong that policy continues to be significantly restrictive and that cutting again [in December] will only mean that we aren't pressing on the brake pedal quite as hard."

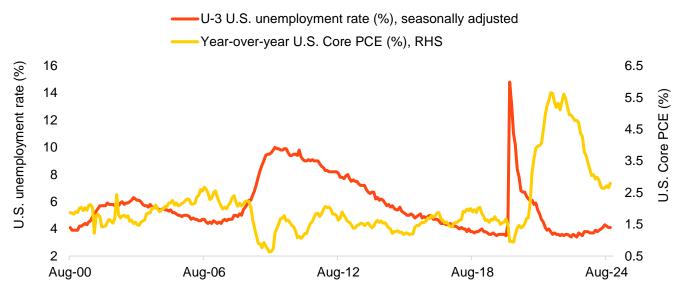
With the <u>Atlanta Fed's GDPNow</u> tool tracking 4Q2024 U.S. real GDP at an above-trend pace of 3.2% (as of December 2nd) many market participants have questioned: is the current stance of monetary policy really *that* restrictive? And is the "neutral" rate of policy higher than believed?

Below are the main takeaways, in our view, from Chair Powell's remarks:

- The U.S. economy is stronger than anticipated. Chair Powell stated explicitly that the U.S. economy is "stronger than we thought it was going to be in September." The reference to the September FOMC is noteworthy, as that was when the FOMC last provided a quarterly Summary of Economic Projections (SEP), which is a snapshot of the economic projections of the 19 FOMC members. Chair Powell noted that, relative to September, the downside risks to the labor market are less pronounced, growth is "definitely" stronger than the FOMC expected, and inflation "has come in a little higher."
- We expect an upward revision to the "longer-run" dot in the December SEP. In our view, the direct comparison to the <u>September FOMC</u> (as opposed to the most *recent* FOMC meeting, which was on November 7th), paves the way for such growth, inflation, and unemployment revisions to be reflected in the December SEP (which will be <u>released</u> on December 18th). We also expect an upward revision to the FOMC's "longer-run" Federal Funds rate projection, which is a proxy for the "neutral" rate of interest (i.e., the rate which neither stimulates nor restricts growth). We believe neutral is <u>likely higher</u> in this cycle, owing to structural shifts in the economy. Indeed, this longer-run projection using the median FOMC member's forecast was 2.9% as of the <u>September 2024 SEP</u>, and has been moving higher over the past several months (it was 2.5% in the <u>December 2023 SEP</u>).

Exhibit 2: The Fed is monitoring both sides of its dual mandate of price stability and full employment

U-3 U.S. unemployment rate (%) seasonally adjusted, and year-over-year U.S. Core PCE inflation (%) seasonally adjusted, RHS

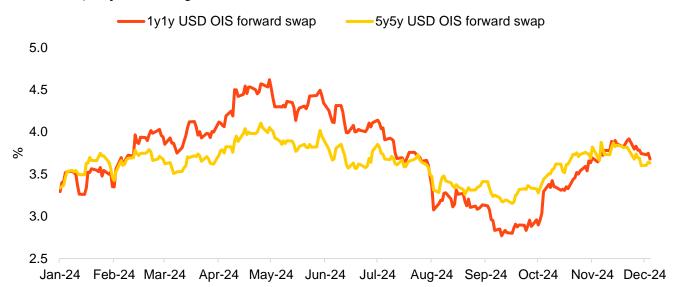


Source: Bureau of Labor Statistics, Bureau of Economic Analysis. Captures data through October 31, 2024 (most recent available as of December 2, 2024).

Key takeaways from Chair Powell's remarks (continued):

- The pace of rate cuts appears likely to slow. During the November 7th FOMC, Chair Powell stated that "nothing in the economic data suggests that the Committee has any need to be in a hurry to get there [to neutral]." He highlighted a similar message in his most recent remarks this week, noting "we can afford to be a little more cautious, as we try to find neutral." As Exhibit 3 illustrates, the market pricing of (1) the neutral rate and (2) the terminal rate, or magnitude of rate cuts for this cycle, have shifted meaningfully over the past year.
- We continue to expect normalization, not easing. Chair Powell noted that the data are "not quite there" on inflation, but "still making progress." He added: "we are now on a path to bring rates back down to a more neutral level over time." Given the two-sided risks which remain (i.e., cutting too quickly vs. cutting too slowly), Powell said the goal is to decrease the level of restriction, over time. As we have <u>outlined</u> previously, we expect monetary policy normalization, not easing. This means rates are likely to be structurally higher (relative to the ultra-low rates which prevailed for much of the post-financial crisis era). For corporate credit investors, this makes granular credit selection important, as borrowers will need to navigate a structurally higher cost of capital environment. It also supports the case for an allocation to floating rate assets, in our view.
- Growth remains paramount to validate current credit valuations. Related to the point above, for corporate credit investors, the growth backdrop remains paramount. For example, fewer or slower Fed rate cuts in response to strong economic growth can likely be easily digested by credit spreads. This backdrop is reflected in current valuations (Exhibits 10 through 13). By contrast, fewer or slower Fed rate cuts because of reaccelerating inflation would be a much less supportive backdrop for risk assets, especially if coupled with weaker growth. In a similar vein, deeper than anticipated rate cuts in response to a sharp downturn in growth or a deterioration in the U.S. labor market would likely be accompanied by much wider credit spreads, to reflect additional required risk premium.
- The impacts of potential tariffs are too uncertain to be incorporated into current monetary policy decisions. Chair Powell noted a list of uncertainties related to potential tariffs on imported goods, including the magnitude, timing, duration, goods included/excluded, countries included/excluded, the degree of transmission to prices, the market reaction (financial conditions impact), the extent of any retaliation from other countries, and importantly what other factors might be influencing the economy in 6-12 months time, when any potential tariffs may have the largest impact. For these reasons, he noted, tariffs are not impacting the Fed's current monetary policy decisions. Please see pages 7 and 8 for more detail on this topic.

Exhibit 3: The market's pricing of the Fed's terminal and neutral rates has fluctuated this year 1y1y Overnight Indexed Swap (OIS) forwards, as a proxy for the terminal rate of this cycle, and 5y5y OIS forwards, as a proxy for the longer-run neutral rate



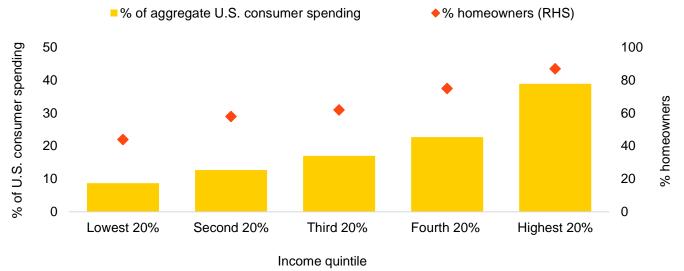
Source: BlackRock, Bloomberg. As of December 4, 2024. **There is no guarantee any forecasts may come to pass.**FOR QUALIFIED, PROFESSIONAL, INSTITUTIONAL AND WHOLESALE INVESTORS/ PROFESSIONAL CLIENTS ONLY | NOT FOR PUBLIC DISTRIBUTION

Key takeaways (continued)

- The level of the deficit cannot factor into monetary policy decisions. Chair Powell reiterated a message he has given previously: the federal deficit is on an unsustainable path, the U.S. economy needs to grow faster than the debt, and "sooner is better than later." He highlighted the negative implications of and importance of avoiding "fiscal dominance", which is a scenario where a central bank is constrained in its monetary policy actions because of the fiscal situation.
- The Fed is monitoring the risks to low-income consumers. When asked about some of the most pressing domestic risks, Chair Powell flagged the economic pressures facing consumers at the low and moderate ends of the income spectrum (citing commentary from retail industry earnings calls). He added that while the aggregate numbers for the U.S. consumer are still "really good," there are "pressures in the lower income spectrum that we didn't see two years ago." The <u>bifurcation</u> in the U.S. consumer has been a persistent theme over the past few quarters. While wealth creation at the higher-ends of the income spectrum (which tend to own homes and investments) have boosted aggregate wealth, lower-income consumers (which are more likely to rent) are feeling pressure from the cumulative impact of prior inflation (and elevated price levels, relative to pre-pandemic).

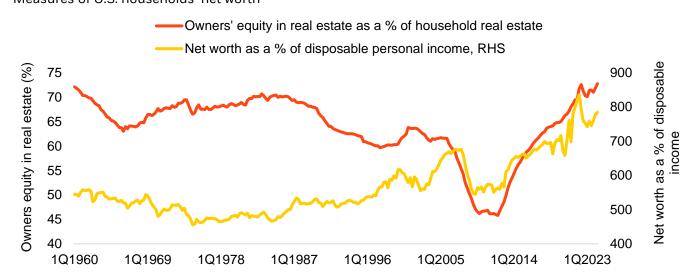
Exhibit 4: The U.S. consumer is not "one size fits all"

U.S. annual aggregate expenditures by consumer income quintile, and the share of consumers in each cohort that are homeowners (RHS)



Source: BlackRock, U.S. Bureau of Labor Statistics Consumer Expenditure Survey (released September 25, 2024).

Exhibit 5: U.S. households' net worth has benefited from gains in equity and housing markets Measures of U.S. households' net worth



Source: Federal Reserve Board, Haver Analytics, BlackRock. As of 2Q2024 (most recent as of November 26, 2024).
FOR QUALIFIED, PROFESSIONAL, INSTITUTIONAL AND WHOLESALE INVESTORS/ PROFESSIONAL CLIENTS ONLY | NOT FOR PUBLIC DISTRIBUTION

Payrolls: An anticipated rebound

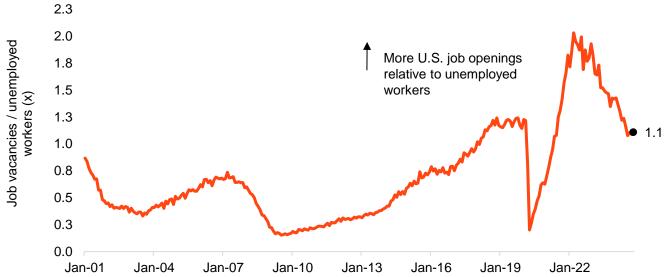
We expect the November U.S. non-farm payrolls report (December 6th) will be closely watched by the FOMC and market participants for signals on the health of the U.S. labor market, especially after Tuesday's (December 3rd) slightly stronger than expected <u>job openings reading</u>.

The Bloomberg consensus survey expects a reading of +215k. This would reflect a rebound from October's weak print (+12k), which was <u>distorted</u> by hurricane and labor strike impacts. Beyond the non-farm payrolls reading, we will also be watching the trend in the unemployment rate (in both directions).

While the U.S. labor market has rebalanced (and cooled) from the tight levels of 2022 and 2023, it has done so while keeping layoff rates low by historical standards. This has somewhat mitigated the negative economic effect and has helped to keep the weakness in the U.S. consumer relatively contained. To the extent that corporates increase their layoff rates (perhaps, to protect profit margins), this poses a risk to the broader macroeconomic landscape, and by extension, corporate credit risk premiums, in our view.

Exhibit 6: The U.S. labor market has rebalanced to the pre-pandemic level

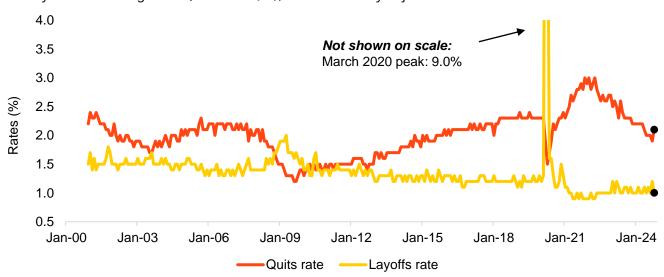




Source: BlackRock, Bureau of Labor Statistics. Captures data through October 31, 2024 (most recent available as of December 3, 2024).

Exhibit 7: Layoffs remain muted by historical standards

U.S. Layoffs & Discharge and Quits rates (%), both seasonally adjusted



Note: The Layoffs & Discharge Rate tracks involuntary job separations initiated by the employer, while the Quits Rate tracks voluntary job separations initiated by the employee. Source: Bureau of Labor Statistics, Bloomberg, BlackRock. Captures data through October 31, 2024 (most recent as of December 4, 2024).

Examining the impact of potential tariffs

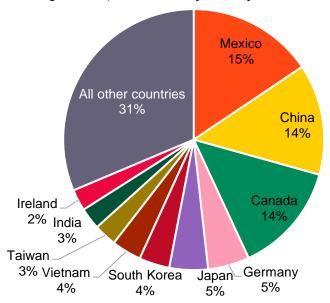
A month after the U.S. election, President-elect Donald Trump has begun to define his vision for the next four years. As our colleagues in the *BlackRock Investment Institute* have highlighted, <u>significant policy shifts</u> are on the horizon – including those related to tariffs. We see potential for certain tariff related policies to have meaningful impacts on both the domestic and international macroeconomic landscape, as well as on credit markets at the aggregate, sector, and borrower levels. This is generally consistent with our expectation for "dispersion but not widespread market disruption," although the range of outcomes and uncertainty is unquestionably wide.

On November 25, 2024, President-elect Trump provided incremental details related to his <u>planned tariff approach</u>. He suggested a 25% tariff on all products imported from Mexico and Canada could be possible, contingent on select objectives. This proposal was accompanied by others, including a potential, additional 10% tariff on imports from China. That said, and as referenced earlier, significant detail related to any potential tariff policy remains to be finalized. Additionally, the <u>United States-Mexico-Canada Agreement's</u> (USMCA) review is slated for <u>mid-2026</u>. During Trump's previous presidency, a tariff on Mexican imports was proposed but never implemented because an agreement was reached.

Should the proposed tariffs be implemented, the impacts on U.S. markets and the economy could be significant. A recent <u>paper</u> by the Federal Reserve Bank of New York¹ found that 2018-2019 tariffs of 10%-50% on more than \$300 billion of Chinese imports led to negative effects on the U.S. stock market. On days when the tariffs were announced, the U.S. stock market fell a cumulative 11.5%, leading to an aggregate \$4.1 trillion in equity value losses, <u>per their analysis</u>. In our view, a portion of any additional risk premia required by the equity market is likely to extend into corporate credit, as well. And as we <u>highlighted recently</u>, even the *uncertainty* related to tariffs – prior to any implementation – may be enough to weigh on global growth – especially Euro Area investment.

U.S. imports are heavily exposed to Mexico, Canada, and China, with the three countries representing a cumulative 43% of goods import volume in 2023 (Exhibit 8), per the Bureau of Economic Analysis. But imports from each country represent different sector exposures. For example, automotive vehicle imports represented the largest segment of U.S. imports from Mexico in 2023, vs. mineral fuels from Canada and electronic equipment from China (Exhibit 9 – next page). This variety in exposure, in our view, underscores the importance of nuance and active credit selection when evaluating the impacts of various policies.

Exhibit 8: 43% of all goods imports in 2023 were from Mexico, China, and Canada Share of 2023 United States goods import volume, by country

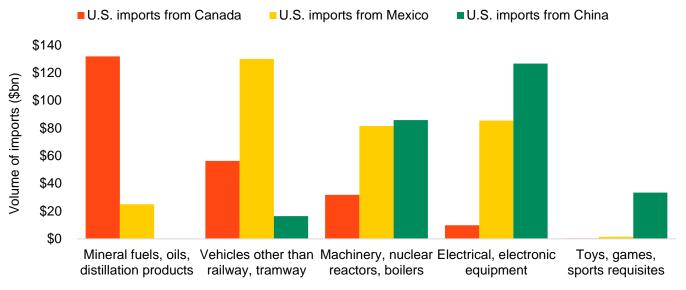


Source: Bureau of Economic Analysis U.S. International Trade in Goods and Services Data, BlackRock. Data as of year end 2023.

¹ Mary Amiti, Matthieu Gomez, Sang Hoon Kong, and David E. Weinstein, "Using Stock Returns to Assess the Aggregate Effect of the U.S.-China Trade War," Federal Reserve Bank of New York Liberty Street Economics, December 4, 2024, https://libertystreeteconomics.newyorkfed.org/2024/12/using-stock-returns-to-assess-the-aggregate-effect-of-the-u-s-china-trade-war/.

Exhibit 9: Imports from each country represent a different sector mix

Three largest U.S. import categories from Canada, Mexico, and China



Source: Comtrade, Trading Economics, BlackRock. As of 2023 (data was last updated in December 2024).

Company perspectives on navigating trade policy uncertainty

We expect the impact of trade policy uncertainty (and tariffs, if implemented) will vary across regions, sectors, and issuers. Should tariffs be enacted, we expect further bifurcation in credit markets based on borrower size, geographic exposure (for sourced inputs and end market sales), supply chain positioning, and other issuer- and sector-specific factors. In our view, these insights generally underscore the likelihood of dispersion, but not widespread disruption – barring certain "tail" scenarios.

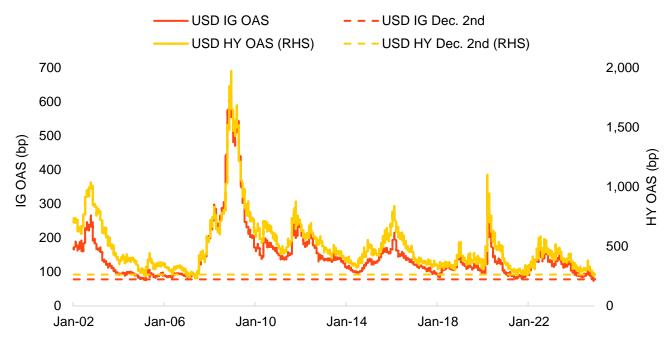
To better understand how businesses are managing this uncertainty, we reviewed recent earnings calls (focusing only on those following the November 5th U.S. election), for 26 U.S. publicly listed companies across 16 sectors. From this analysis, there were three key takeaways, in our view.

- (1) Despite the uncertainty surrounding tariffs, businesses feel well-equipped to accommodate them in most scenarios. Across sectors, there was a broad acknowledgment of the uncertainty around future tariff policy. Even so, many businesses, especially those with international supply chain exposure, felt prepared for the implementation of tariff policies, with some referencing "tool kits" developed during President elect Trump's first term. Further, some noted strong supplier relationships as a potential mitigation tool, believing that they can collaborate with suppliers to achieve better outcomes should tariff policies come to fruition.
- (2) Businesses have focused on supply chain resilience (over efficiency) in recent years. A movement toward protectionist policies in the U.S., unforeseen events such as the COVID-19 pandemic and geopolitical tensions have focused businesses on establishing resilience in their supply chains (even when a higher cost may be required). For example, many businesses proactively shifted supply chain exposures onshore or diversified away from certain regions such as China. That said, various home improvement and electronics retailers cited challenges with implementing supply chain diversification. Off-price retailers also offered a unique perspective, noting that trade policy uncertainty has the potential to benefit them, as it can disrupt traditional retail inventory strategies.
- (3) The new administration has sparked (cautious) optimism across different sectors. Despite trade policy uncertainty, businesses in certain sectors (namely, energy and materials) expressed confidence in the next administration's sector-specific policy views. Some noted that this increased their comfort in ramping business investment. For example, various oil companies signaled increasing willingness to expand capital expenditures. A materials company noted that they view potential tariffs as a means to create a more level international playing field.

Corporate credit performance

Exhibit 10: USD corporate credit spreads are tight...

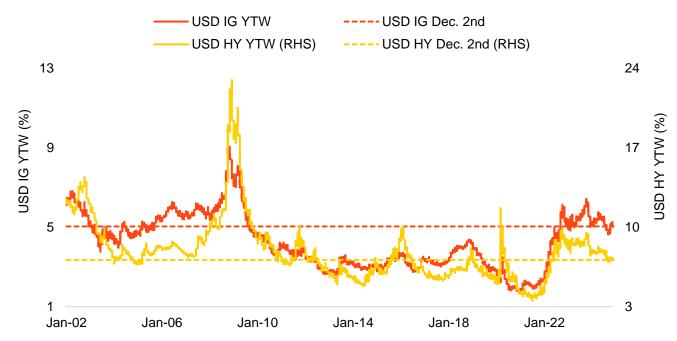
Option adjusted spreads (OAS, bp) for the Bloomberg USD IG and HY Corporate indices



Source: BlackRock, Bloomberg. As of December 2, 2024. **The figures shown relate to past performance. Past performance is not a reliable indicator of current or future results.** Index performance returns do not reflect any management fees, transaction costs or expenses. Indices are unmanaged and one cannot invest directly in an index.

Exhibit 11: ...but yields are still elevated

Yield-to-worst (%) for the Bloomberg USD IG and HY Corporate indices

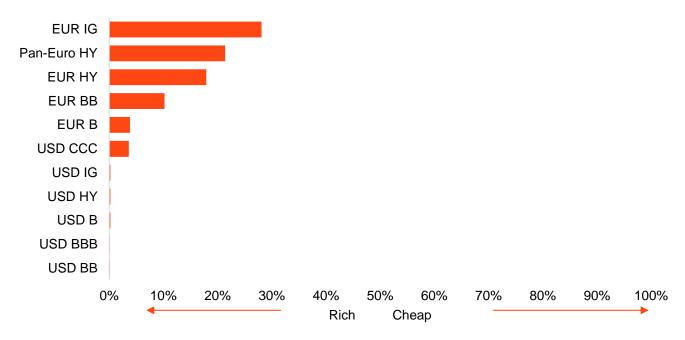


Source: BlackRock, Bloomberg. As of December 2, 2024. **The figures shown relate to past performance. Past performance is not a reliable indicator of current or future results.** Index performance returns do not reflect any management fees, transaction costs or expenses. Indices are unmanaged and one cannot invest directly in an index...

Corporate credit valuations

Exhibit 12: EUR spreads trade at a discount to USD peers

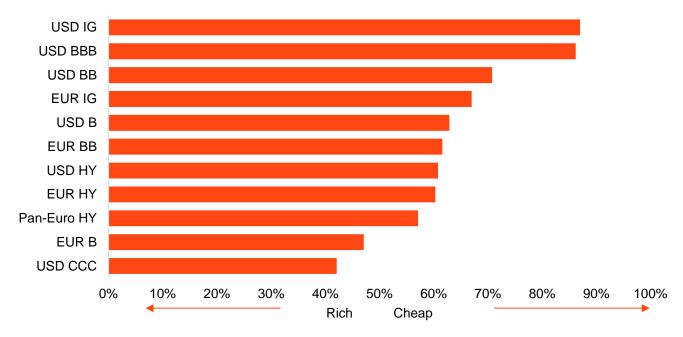
Percentile rank of daily index-level corporate bond spreads since January 1, 2010



Source: BlackRock, Bloomberg, ICE-BAML. As of December 2, 2024. **The figures shown relate to past performance. Past performance is not a reliable indicator of current or future results.** Index performance returns do not reflect any management fees, transaction costs, or expenses. Indices are unmanaged and one cannot invest directly in an index. We exclude USD AAA, EUR AAA, and EUR CCC due to their small size.

Exhibit 13: The valuation gap between USD and EUR credit is less pronounced when evaluating all-in yields

Percentile rank of daily index-level corporate bond yields since January 1, 2010



Source: BlackRock, Bloomberg, ICE-BAML. As of December 2, 2024. **The figures shown relate to past performance. Past performance is not a reliable indicator of current or future results.** Index performance returns do not reflect any management fees, transaction costs, or expenses. Indices are unmanaged and one cannot invest directly in an index. We exclude USD AAA, EUR AAA, and EUR CCC due to their small size.

FOR QUALIFIED, PROFESSIONAL, INSTITUTIONAL AND WHOLESALE INVESTORS/ PROFESSIONAL CLIENTS ONLY I FOR PERMITTED CLIENTS ONLY IN CANADA

Unless otherwise stated, all reference to \$ are in USD.

Risk Warnings:

Capital at risk. The value of investments and the income from them can fall as well as rise and are not guaranteed. You may not get back the amount originally invested.

Past performance is not a reliable indicator of current or future results and should not be the sole factor of consideration when selecting a product or strategy.

Changes in the rates of exchange between currencies may cause the value of investments to diminish or increase. Fluctuation may be particularly marked in the case of a higher volatility fund and the value of an investment may fall suddenly and substantially. Levels and basis of taxation may change from time to time.

In the U.S., this material is for institutional use only – not for public distribution.

For investors in the Caribbean, any funds mentioned or inferred in this material have not been registered under the provisions of the Investment Funds Act of 2003 of the Bahamas, nor have they been registered with the securities regulators of Dominica, the Cayman Islands, the British Virgin Islands, Grenada, Trinidad & Tobago or any jurisdiction in the Organization of Eastern Caribbean States, and thus, may not be publicly offered in any such jurisdiction. Engaging in marketing, offering, or selling any fund from within the Cayman Islands to persons or entities in the Cayman Islands may be deemed carrying on business in the Cayman Islands. As a non-Cayman Islands person, BlackRock may not carry on or engage in any trade or business unless it properly registers and obtains a license for such activities in accordance with the applicable Cayman Islands law. In the Dominican Republic, any securities mentioned or inferred in this material may only be offered in a private character according to the laws of the Dominican Republic, falling beyond the scope of articles 1 numeral (31), 46 et al of Law 249-17 dated 19 December 2017, as amended and its Regulations. Since no governmental authorizations are required in such offering, any "securities" mentioned or inferred in this material have not been and will not be registered with the Stock Market Superintendency of the Dominican Republic (Superintendencia de Mercado de Valores de la República Dominicana), and these "securities" may only be circulated, offered, and sold in the Dominican Republic in a private manner based on the criteria established under Dominican laws and regulations.

IMPORTANT INFORMATION:

In **Canada**, this material is intended for permitted clients as defined under Canadian securities law, is for educational purposes only, does not constitute investment advice and should not be construed as a solicitation or offering of units of any fund or other security in any jurisdiction.

In **China**, this material may not be distributed to individuals resident in the People's Republic of China ("PRC", for such purposes, not applicable to Hong Kong, Macau and Taiwan) or entities registered in the PRC unless such parties have received all the required PRC government approvals to participate in any investment or receive any investment advisory or investment management services.

In **Singapore**, this document is provided by BlackRock (Singapore) Limited (company registration number:200010143N) for use only with institutional investors as defined in Section 4A of the Securities and Futures Act, Chapter 289 of Singapore. This advertisement or publication has not been reviewed by the Monetary Authority of Singapore.

In **Hong Kong**, this material is issued by BlackRock Asset Management North Asia Limited and has not been reviewed by the Securities and Futures Commission of Hong Kong. This material is for distribution to "Professional Investors" (as defined in the Securities and Futures Ordinance (Cap.571 of the laws of Hong Kong) and any rules made under that ordinance.) and should not be relied upon by any other persons or redistributed to retail clients in Hong Kong.

In **Japan**, this is issued by BlackRock Japan. Co., Ltd. (Financial Instruments Business Operator: The Kanto Regional Financial Bureau. License No375, Association Memberships: Japan Investment Advisers Association, The Investment Trusts Association, Japan, Japan Securities Dealers Association, Type II Financial Instruments Firms Association) for Professional Investors only (Professional Investor is defined in Financial Instruments and Exchange Act).

In **South Korea**, this information is issued by BlackRock Investment (Korea) Limited. This material is for distribution to the Qualified Professional Investors (as defined in the Financial Investment Services and Capital Market Act and its sub-regulations) and for information or educational purposes only and does not constitute investment advice or an offer or solicitation to purchase or sells in any securities or any investment strategies.

In **Australia** & **New Zealand**, issued by BlackRock Investment Management (Australia) Limited ABN 13 006 165 975, AFSL 230 523 (BIMAL) for the exclusive use of the recipient, who warrants by receipt of this material that they are a wholesale client as defined under the Australian Corporations Act 2001 (Cth) and the New Zealand Financial Advisers Act 2008 respectively.

This material provides general information only and does not take into account your individual objectives, financial situation, needs or circumstances. Before making any investment decision, you should therefore assess whether the material is appropriate for you and obtain financial advice tailored to you having regard to your individual objectives, financial situation, needs and circumstances. Refer to BIMAL's Financial Services Guide on its website for more information. This material is not a financial product recommendation or an offer or solicitation with respect to the purchase or sale of any financial product in any jurisdiction. This material is not intended for distribution to, or use by, any person or entity in any jurisdiction or country where such distribution or use would be contrary to local law or regulation. BIMAL is a part of the global BlackRock Group which comprises of financial product issuers and investment managers around the world. BIMAL is the issuer of financial products and acts as an investment manager in Australia. BIMAL does not offer financial products to persons in New Zealand who are retail investors (as that term is defined in the Financial Markets Conduct Act 2013 (FMCA)). This material does not constitute or relate to such an offer. To the extent that this material does constitute or relate to such an offer of financial products, the offer is only made to, and capable of acceptance by, persons in New Zealand who are wholesale investors (as that term is defined in the FMCA).

BIMAL, its officers, employees and agents believe that the information in this material and the sources on which it is based (which may be sourced from third parties) are correct as at the date of publication. While every care has been taken in the preparation of this material, no warranty of accuracy or reliability is given and no responsibility for the information is accepted by BIMAL, its officers, employees or agents. Except where contrary to law, BIMAL excludes all liability for this information.

In **Brunei**, BlackRock does not hold a Capital Markets Services License and is therefore not licensed for conducting business in any regulated activity under the Securities Market Order, 2013. This document has been issued by BlackRock and is intended for the exclusive use of the recipient. The distribution of the information contained herein may be restricted by law and persons who access it are required to comply with any such restrictions. The information provided herein information is directed solely at persons who would be regarded as "Accredited Investors", "Expert Investors" or "Institutional Investors" in accordance with the Securities Market Order 2013

This material is for distribution to Professional Clients (as defined by the Financial Conduct Authority or MiFID Rules) only and should not be relied upon by any other persons.

In the UK and Non-European Economic Area (EEA) countries: this is Issued by BlackRock Investment Management (UK) Limited, authorised and regulated by the Financial Conduct Authority. Registered office: 12 Throgmorton Avenue, London, EC2N 2DL. Tel: +44 (0)20 7743 3000. Registered in England and Wales No. 02020394. For your protection telephone calls are usually recorded. Please refer to the Financial Conduct Authority website for a list of authorised activities conducted by BlackRock.

In the European Economic Area (EEA): This document is marketing material. This is Issued by BlackRock (Netherlands) B.V. and is authorised and regulated by the Netherlands Authority for the Financial Markets. Registered office Amstelplein 1, 1096 HA, Amsterdam, Tel: 020 – 549 5200, Tel: 31-20-549-5200. Trade Register No. 17068311 For your protection telephone calls are usually recorded

For Investors in **Switzerland**: This document is marketing material. This document shall be exclusively made available to, and directed at, qualified investors as defined in Article 10 (3) of the CISA of 23 June 2006, as amended, at the exclusion of qualified investors with an opting-out pursuant to Art. 5 (1) of the Swiss Federal Act on Financial Services ("FinSA"). For information on art. 8 / 9 Financial Services Act (FinSA) and on your client segmentation under art. 4 FinSA, please see the following website: www.blackrock.com/finsa.

In **Italy**: For information on investor rights and how to raise complaints please go to https://www.blackrock.com/corporate/compliance/investor-right available in Italian.

For investors in **Israel**: BlackRock Investment Management (UK) Limited is not licenced under Israel's Regulation of Investment Advice, Investment Marketing and Portfolio Management Law, 5755-1995 (the "Advice Law"), nor does it carry insurance thereunder.

The information contained in this document is intended strictly for Professional Clients as defined under the Dubai Financial Services Authority ("DFSA") Conduct of Business (COB) Rules. The information contained in this document, does not constitute and should not be construed as an offer of, invitation or proposal to make an offer for, recommendation to apply for or an opinion or guidance on a financial product, service and/or strategy. Whilst great care has been taken to ensure that the information contained in this document is accurate, no responsibility can be accepted for any errors, mistakes or omissions or for any action taken in reliance thereon. You may only reproduce, circulate and use this document (or any part of it) with the consent of BlackRock. The information contained in this document is for information purposes only. It is not intended for and should not be distributed to, or relied upon by, members of the public. The information contained in this document, may contain statements that are not purely historical in nature but are "forward-looking statements". These include, amongst other things, projections, forecasts or estimates of income. These 44 forward-looking statements are based upon certain assumptions, some of which are described in other relevant documents or materials. If you do not understand the contents of this document, you should consult an authorised financial adviser.

In the UAE: This document is intended strictly to Exempt Professional Investors. The information contained in this document, does not constitute and should not be construed as an offer of, invitation or proposal to make an offer for, recommendation to apply for or an opinion or guidance on a financial product, service and/or strategy. Whilst great care has been taken to ensure that the information contained in this document is accurate, no responsibility can be accepted for any errors, mistakes or omissions or for any action taken in reliance thereon. You may only reproduce, circulate and use this document (or any part of it) with the consent of BlackRock. The information contained in this document is for information purposes only. It is not intended for and should not be distributed to, or relied upon by, members of the public.

The information contained in this document, may contain statements that are not purely historical in nature but are "forward-looking statements". These include, amongst other things, projections, forecasts or estimates of income. These forward-looking statements are based upon certain assumptions, some of which are described in other relevant documents or materials. If you do not understand the contents of this document, you should consult an authorised financial adviser.

Blackrock Advisors (UK) Limited -Dubai Branch is a DIFC Foreign Recognised Company registered with the DIFC Registrar of Companies (DIFC Registered Number 546), with its office at Unit L15 - 01A, ICD Brookfield Place, Dubai International Financial Centre, PO Box 506661, Dubai, UAE, and is regulated by the DFSA to engage in the regulated activities of 'Advising on Financial Products' and 'Arranging Deals in Investments' in or from the DIFC, both of which are limited to units in a collective investment fund (DFSA Reference Number F000738).

In **Saudi Arabia**, the information contained in this document is intended strictly for sophisticated institutions. The information contained in this document, does not constitute and should not be construed as an offer of, invitation or proposal to make an offer for, recommendation to apply for or an opinion or guidance on a financial product, service and/or strategy. Whilst great care has been taken to ensure that the information contained in this document is accurate, no responsibility can be accepted for any errors, mistakes or omissions or for any action taken in reliance thereon. You may only reproduce, circulate and use this document (or any part of it) with the consent of BlackRock. The information contained in this document is for information purposes only. It is not intended for and should not be distributed to, or relied upon by, members of the public. The information contained in this document, may contain statements that are not purely historical in nature but are "forward-looking statements". These include, amongst other things, projections, forecasts or estimates of income. These forward-looking statements are based upon certain assumptions, some of which are described in other relevant documents or materials. If you do not understand the contents of this document, you should consult an authorised financial adviser.

Kuwait

The information contained in this document is intended strictly for sophisticated institutions that are 'Professional Clients' as defined under the Kuwait Capital Markets Law and its Executive Bylaws.

The information contained in this document, does not constitute and should not be construed as an offer of, invitation or proposal to make an offer for, recommendation to apply for or an opinion or guidance on a financial product, service and/or strategy. Whilst great care has been taken to ensure that the information contained in this document is accurate, no responsibility can be accepted for any errors, mistakes or omissions or for any action taken in reliance thereon. You may only reproduce, circulate and use this document (or any part of it) with the consent of BlackRock.

The information contained in this document is for information purposes only. It is not intended for and should not be distributed to, or relied upon by, members of the public.

The information contained in this document, may contain statements that are not purely historical in nature but are "forward-looking statements". These include, amongst other things, projections, forecasts or estimates of income. These forward-looking statements are based upon certain assumptions, some of which are described in other relevant documents or materials.

For investors in **Central America**, these securities have not been registered before the Securities Superintendence of the Republic of Panama, nor did the offer, sale or their trading procedures. The registration exemption has made according to numeral 3 of Article 129 of the Consolidated Text containing of the Decree-Law No. 1 of July 8, 1999 (institutional investors). Consequently, the tax treatment set forth in Articles 334 to 336 of the Unified Text containing Decree-Law No. 1 of July 8, 1999, does not apply to them. These securities are not under the supervision of the Securities Superintendence of the Republic of Panama. The information contained herein does not describe any product that is supervised or regulated by the National Banking and Insurance Commission (CNBS) in Honduras. Therefore any investment described herein is done at the investor's own risk. This is an individual and private offer which is made in Costa Rica upon reliance on an exemption from registration before the General Superintendence of Securities ("SUGEVAL"), pursuant to articles 7 and 8 of the Regulations on the Public Offering of Securities ("Reglamento sobre Oferta Pública de Valores"). This information is confidential, and is not to be reproduced or distributed to third parties as this is NOT a public offering of securities in Costa Rica. The product being offered is not intended for the Costa Rican public or market and neither is registered or will be registered before the SUGEVAL, nor can be traded in the secondary market. If any recipient of this documentation receives this document in El Salvador, such recipient acknowledges that the same has been delivered upon his request and instructions, and on a private placement basis. For Guatemala Investors, This communication and any accompanying information (the "Materials") are intended solely for informational purposes and do not constitute (and should not be interpreted to constitute) the offering, selling, or conducting of business with respect to such securities, products or services in the jurisdiction of the addressee (this "Jurisdiction"), or the conducting of any brokerage, banking, or other similarly regulated activities ("Financial Activities") in the Jurisdiction. Neither BLACKROCK, nor the securities, products and services described herein, are registered (or intended to be registered) in the Jurisdiction. Furthermore, neither BLACKROCK, nor the securities, products, services, or activities described herein, are regulated, or supervised by any governmental or similar authority in the Jurisdiction. The Materials are private, confidential and are sent by BLACKROCK only for the exclusive use of the addressee. The Materials must not be publicly distributed and any use of the Materials by anyone other than the addressee is not authorized. The addressee is required to comply with all applicable laws in the Jurisdiction, including, without limitation, tax laws and exchange control regulations if any.

In **Latin America**, for institutional investors and financial intermediaries only (not for public distribution). This material is for educational purposes only and does not constitute investment advice or an offer or solicitation to sell or a solicitation of an offer to buy any shares of any fund or security and it is your responsibility to inform yourself of, and to observe, all applicable laws and regulations of your relevant jurisdiction. If any funds are mentioned or inferred in this material, such funds may not been registered with the securities regulators of Argentina, Brazil, Chile, Colombia, Mexico, Panama, Peru, Uruguay or any other securities regulator in any Latin American country and thus, may not be publicly offered in any such countries. The securities regulators of any country within Latin America have not confirmed the accuracy of any information contained herein. No information discussed herein can be provided to the general public in Latin America. The contents of this material are strictly confidential and must not be passed to any third party.

In **Colombia**, the sale of each fund discussed herein, if any, is addressed to less than one hundred specifically identified investors, and such fund may not be promoted or marketed in Colombia or to Colombian residents unless such promotion and marketing is made in compliance with Decree 2555 of 2010 and other applicable rules and regulations related to the promotion of foreign financial and/or securities related products or services in Colombia.

In **Chile**, the sale of each fund not registered with the CMF is subject to General Rule No. 336 issued by the SVS (now the CMF). The subject matter of this sale may include securities not registered with the CMF; therefore, such securities are not subject to the supervision of the CMF. Since the securities are not registered in Chile, there is no obligation of the issuer to make publicly available information about the securities in Chile. The securities shall not be subject to public offering in Chile unless registered with the relevant registry of the CMF.

IN MEXICO, FOR INSTITUTIONAL AND QUALIFIED INVESTORS USE ONLY. INVESTING INVOLVES RISK, INCLUDING POSSIBLE LOSS OF PRINCIPAL. THIS MATERIAL IS PROVIDED FOR EDUCATIONAL AND INFORMATIONAL PURPOSES ONLY AND DOES NOT CONSTITUTE AN OFFER OR SOLICITATION TO SELL OR A SOLICITATION OF AN OFFER TO BUY ANY SHARES OF ANY FUND OR SECURITY. This information does not consider the investment objectives, risk tolerance or the financial circumstances of any specific investor. This information does not replace the obligation of financial advisor to apply his/her best judgment in making investment decisions or investment recommendations. It is your responsibility to inform yourself of, and to observe, all applicable laws and regulations of Mexico. If any funds, securities or investment strategies are mentioned or inferred in this material, such funds, securities or strategies have not been registered with the Mexican National Banking and Securities Commission (Comisión Nacional Bancaria y de Valores, the "CNBV") and thus, may not be publicly offered in Mexico. The CNBV has not confirmed the accuracy of any information contained herein. The provision of investment management and investment advisory services ("Investment Services") is a regulated activity in Mexico, subject to strict rules, and performed under the supervision of the CNBV. These materials are shared for information purposes only, do not constitute investment advice, and are being shared in the understanding that the addressee is an Institutional or Qualified investor as defined under Mexican Securities (Ley del Mercado de Valores). Each potential investor shall make its own investment decision based on their own analysis of the available information. Please note that by receiving these materials, it shall be construed as a representation by the receiver that it is an Institutional or Qualified investor as defined under Mexican law. BlackRock México Operadora, S.A. de C.V., Sociedad Operadora de Fondos de Inversión ("BlackRock México Operadora") is a Mexican subsidiary of BlackRock, Inc., authorized by the CNBV as a Mutual Fund Manager (Operadora de Fondos), and as such, authorized to manage Mexican mutual funds, ETFs and provide Investment Advisory Services. For more information on the Investment Services offered by BlackRock Mexico, please review our Investment Services Guide available in www.blackrock.com/mx. This material represents an assessment at a specific time and its information should not be relied upon by the you as research or investment advice regarding the funds, any security or investment strategy in particular. Reliance upon information in this material is at your sole discretion. BlackRock México is not authorized to receive deposits, carry out intermediation activities, or act as a broker dealer, or bank in Mexico. For more information on BlackRock México, please visit: www.blackRock.com/mx. BlackRock receives revenue in the form of advisory fees for our advisory services and management fees for our mutual funds, exchange traded funds and collective investment trusts. Any modification, change, distribution or inadequate use of information of this document is not responsibility of BlackRock or any of its affiliates. Pursuant to the Mexican Data Privacy Law (Ley Federal de Protección de Datos Personales en Posesión de Particulares), to register your personal data you must confirm that you have read and understood the Privacy Notice of BlackRock México Operadora. For the full disclosure, please visit www.blackRock.com/mx and accept that your personal information will be managed according with the terms and conditions set forth therein.

State of Qatar and the Qatar Financial Centre (QFC)

The information contained in this document is intended strictly for sophisticated institutions.

The information contained in this document, does not constitute and should not be construed as an offer of, invitation or proposal to make an offer for, recommendation to apply for or an opinion or guidance on a financial product, service and/or strategy. Whilst great care has been taken to ensure that the information contained in this document is accurate, no responsibility can be accepted for any errors, mistakes or omissions or for any action taken in reliance thereon. You may only reproduce, circulate and use this document (or any part of it) with the consent of BlackRock Investment Management (UK).

The information contained in this document is for information purposes only. It is not intended for and should not be distributed to, or relied upon by, members of the public.

The information contained in this document, may contain statements that are not purely historical in nature but are "forward-looking statements". These include, amongst other things, projections, forecasts or estimates of income. These forward-looking statements are based upon certain assumptions, some of which are described in other relevant documents or materials. If you do not understand the contents of this document, you should consult an authorised financial adviser.

In **Peru**, this private offer does not constitute a public offer, and is not registered with the Securities Market Public Registry of the Peruvian Securities Market Commission, for use only with institutional investors as such term is defined by the Superintendencia de Banca, Seguros y AFP.

Any research in this document has been procured and may have been acted on by BlackRock for its own purpose. The results of such research are being made available only incidentally. The views expressed do not constitute investment or any other advice and are subject to change. They do not necessarily reflect the views of any company in the BlackRock Group or any part thereof and no assurances are made as to their accuracy.

Any opinions, forecasts represent an assessment of the market environment at a specific time and is not intended to be a forecast of future events or a guarantee of future results. This information should not be relied upon by the reader as research, investment advice or a recommendation.

This document is for information purposes only and does not constitute an offer or invitation to anyone to invest in any BlackRock funds and has not been prepared in connection with any such offer.

If you are an intermediary or third-party distributor, you must only disseminate this material to other Professional Investors as permitted in the above-specified jurisdictions and in accordance with applicable laws and regulations.

Certain information contained herein has been obtained from published sources and from third parties, including without limitation, market forecasts, internal and external surveys, market research, publicly available information and industry publications. In addition, certain information contained herein may have been obtained from companies in which investments have been made by entities affiliated with BlackRock. Although such information is believed to be reliable for the purposes used herein, neither the Fund nor BlackRock assumes any responsibility for the accuracy or completeness of such information. Reliance upon information in this material is at the sole discretion of the reader. Certain information contained herein represents or is based upon forward-looking statements or information. BlackRock and its affiliates believe that such statements and information are based upon reasonable estimates and assumptions. However, forward-looking statements are inherently uncertain, and factors may cause events or results to differ from those projected. Therefore, undue reliance should not be placed on such forward-looking statements and information.

© 2024 BlackRock, Inc. or its affiliates. All Rights Reserved. BLACKROCK, BLACKROCK SOLUTIONS, iSHARES, BUILD ON BLACKROCK and SO WHAT DO I DO WITH MY MONEY are trademarks of BlackRock, Inc. or its affiliates. All other trademarks are those of their respective owners.