

# **US Economic Viewpoint**

# Fiscal policy: no respite for the deficit

### Fiscal: the other lever to pull

Tariffs have dominated the limelight since Inauguration Day, but attention is starting to shift towards fiscal policy. Republicans in Congress are working on a bill to extend the expiring 2017 tax cuts and enact new changes to spending and tax policy. We expect the bill to be signed into law in July, although there are risks of a delay.

### The fiscal package should boost the deficit...

Despite rhetoric about reducing deficits, the reconciliation bill will likely add to deficits. Our baseline expectation is for deficit- and primary-deficit-to-GDP ratios of 6.9% and 3.5%, respectively, in FY26. We see two-sided risks to this scenario depending on the degree of spending cuts included in the final bill.

### ...spurring near-term growth...

The bill will likely spur near-term growth owing to increased defense spending and front-loaded tax cuts. Under our baseline scenario, we estimate the bill to have a fiscal impulse of  $\sim$ 0.6%, although this will depend on the burn rate of new defense and immigration spending. This should help offset the drag from tariffs.

### ...but increasing the risk of a bond-buyer strike

But with Debt-to-GDP already at 98%, the bill raises the risk of a bond-buyer-strike, in our view. Adding more supply to the market at a time when demand is softening could result in a spike in borrowing rates, a decline in the dollar, and a drop in equities. This could overwhelm any growth effects from the bill itself.

# **Higher deficit = cheaper long end USTs**

We favor a 10s30s steepener and 30y spread short to position for continued cheapening pressure at the back end as the market grapples with more supply and the limited scope for back end demand. The UST back end will absorb much of the fiscal risk as Treasury has yet to show responsiveness to this supply/ demand imbalance and market signals from term premium, spread curve shape, and 20y cheapness. While we are hopeful WAM UST/ TBAC (weighted average maturity/US Treasury/Treasury Borrowing Advisory Committee) discussion will be included in coming refunding meetings, we have limited conviction on what levels will garner enough concern for action.

# **US** equities > bonds on real return, quality

We prefer US large cap equities to bonds. Why?: (1) real return: ~75%/40% percent of S&P 500 stocks have a higher FCF yield/div. yield than the real 10y Tsy. yield of 2.1%. (2) Earnings are nominal/levered to inflation, bond yields are not. The opportunity cost of owning 10y govt. bonds during the stagflationary '70s translated into a 50% loss. (3) Leverage: US debt/GDP sits at record highs, corp. debt at record lows. The strong historical relationship between S&P 500 leverage and earnings yield applied to govt leverage implies a 10yr Tsy yield of ~7% (or a mega-boom in GDP). (4) There is no magic number for rates hurting equities, but historically S&P 500 multiples have held up until 7% on the 10yr. Energy, Financials, select Tech and dividend growth are best-positioned for higher rates, long-duration (back-end loaded growth/negative earnings) most vulnerable.

BofA Securities does and seeks to do business with issuers covered in its research reports. As a result, investors should be aware that the firm may have a conflict of interest that could affect the objectivity of this report. Investors should consider this report as only a single factor in making their investment decision.

Refer to important disclosures on page 17 to 18.

12833988

#### 20 May 2025

Economics United States

Stephen Juneau US Economist BofAS

+1 202 442 7429 stephen.juneau@bofa.com

Aditya Bhave US Economist BofAS +1 646 855 9929 aditya.bhave@bofa.com

Savita Subramanian Equity & Quant Strategist BofAS +1 646 855 3878 savita.subramanian@bofa.com

Meghan Swiber, CFA Rates Strategist BofAS +1 646 743 7020 meghan.swiber@bofa.com

Jill Carey Hall, CFA Equity & Quant Strategist BofAS +1 646 855 3327 jill.carey@bofa.com

Alex Makedon Equity & Quant Strategist BofAS alex.makedon@bofa.com

**Tyson Dennis-Sharma**Equity & Quant Strategist
BofAS
+1 646 855 5717
tyson.dennis-sharma@bofa.com

Katie Craig Rates Strategist BofAS +1 646 743 7016 katie.craig@bofa.com

Victoria Roloff Equity & Quant Strategist BofAS +1 646 743 6339 victoria.roloff@bofa.com

Global Economics Team BofAS +1 646 855 9322

US Rates Research

US Economics

See Team Page for List of Analysts

Timestamp: 20 May 2025 05:13AM EDT

# The other big policy lever: Fiscal

#### Stephen Juneau

US Economist BofAS stephen.juneau@bofa.com

Tariffs have dominated the news since Inauguration Day, but attention is starting to turn toward the other major policy lever: fiscal. The House is debating its own proposal and hopes to have a floor vote on the bill this week. In this note, we discuss what this could mean for deficits, growth, and financial markets. Here we argue:

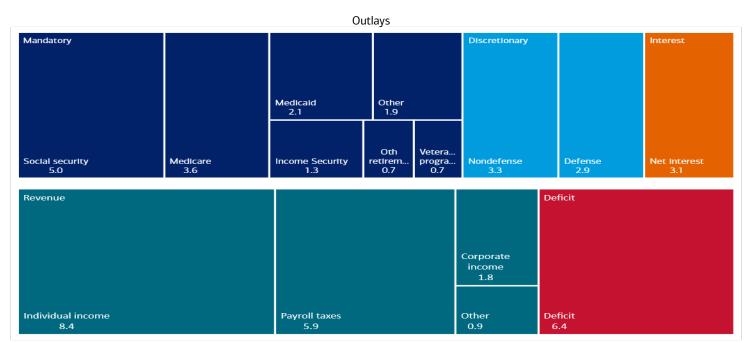
- 1. The only portion of the policy bill that matters for our outlook is the new changes in tax and spending policies. We had always assumed Congress would extend TCJA (Tax Cuts and Jobs Act of 2017).
- 2. We expect the bill to be passed in 3Q, and for new tax cuts to be front-loaded, which could help offset the drag from tariffs and push deficits higher.
- 3. The risk is that a deficit-financed tax bill will result in a spike in borrowing costs as investors demand higher yields to hold Treasuries. This could overwhelm any stimulative effects from the policy changes and result in weaker long-run growth.

### The current state of fiscal policy

Heading into this year, the US fiscal position was already precarious. Public Debt-to-GDP stood at 98% in FY 2024, which is up from 79% from FY 2019, though little changed in recent years. And the US Treasury reiterated that debt is on an unsustainable path in its most recent financial report of the US government.

Congress, however, has been unfazed by fiscal sustainability concerns as the US recorded a deficit- and primary-deficit to GDP ratios of 6.4% and 3.3%, respectively (Exhibit 1). These are levels more common during recessions not when the economy is growing by ~3% in real terms.

**Exhibit 1: The deficit-to-GDP ratio was 6.4% in FY 2024** A breakdown of the FY 2024 Government budget (% of GDP)



Source: CBO



How did we get here? A quick comparison to FY 2019, shows mandatory spending and interest are the culprits. Indeed, mandatory spending and net interest as shares of GDP were 1.2pp and 1.3pp higher in FY24 v FY19. Discretionary spending was little changed, and revenue-to-GDP increased by 0.6pp. While revenues may not currently be to blame for the rise in deficits, the upcoming reconciliation bill could change that.

# Early days, but the reconciliation bill will add to deficits

Q: Why use reconciliation to pass tax policy changes in the first place? A: Reconciliation bills can be passed in the Senate by a simple majority.

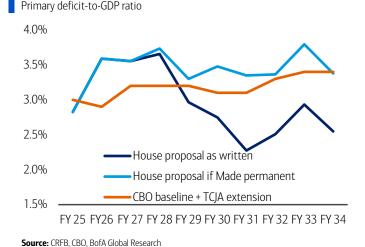
#### The House is the first mover and currently debating key policies

Republicans in Congress are currently making their way through the reconciliation process (see The reconciliation road map section of the report for more details). As of this writing, Republicans in the House of Representatives are hoping to vote on an omnibus bill by the end of the week.

The proposal extends the expiring tax cuts and makes additional cuts for both households and businesses. Household tax cuts include the campaign promises about no tax on tips, overtime, a deduction for seniors, and no tax on auto loan payments. These policies will expire at the end of 2028. Meanwhile, the business tax cuts are mostly a temporary restoration of previously expired TCJA provisions. To offset some of the revenue losses from these tax cuts and the extension of TCJA, the bill calls for partial repeal of the Inflation Reduction Act and cuts social welfare programs.

In terms of deficit implications, we compare the plan against a current policy baseline (i.e., we assume TCJA does not expire). Exhibit 2 shows that the House plan would result in higher deficits in the near term, and lower deficits as provisions sunset. In a scenario where expiring provisions are extended (which we think is more realistic), primary deficits would be higher than the CBO counterfactual through most of the 10-year budget window (Exhibit 2).

Exhibit 2: The House plan, if made permanent, would yield higher deficits than simply extending the expiring TCJA provisions



BofA GLOBAL RESEARCH

# **Exhibit 3:The House plan as written would add the least to the deficit** Primary deficit implications over the FY25-34 budget window (\$bn)

	Hous	e plan	Senate	
	As written	If permanent	Instructions	TCJA extension
Tax changes*	3.8	5.3	5.3	3.8
Spending increases Spending cuts	0.3 -1.6	0.6 -0.16	0.5 -0.04	
Primary deficit (10yr) <b>Source:</b> CRFB, CBO	2.5	5.74	5.76	3.8

BofA GLOBAL RESEARCH

#### Changes are likely to be made in the Senate

If the bill passes the House, then it will go to the Senate where it could undergo more changes. This is because the reconciliation instructions passed by both chambers allow the Senate and the House to operate on different tracks. The Senate instructions allow for \$1.5tn in new tax cuts, more spending on defense & immigration, and very modest cuts to mandatory spending programs (Exhibit 3). Whereas the House instructions



require at least \$1.5tn in cuts to mandatory programs and allow for \$4tn in tax cuts against a current law baseline. We think the Senate will water down spending cuts, particularly Medicaid cuts, in the House proposal, which would mean higher deficits at the end of the day.

While it may not be smooth sailing over the coming weeks, we expect a bill to be finalized and signed into law in late July. There is a risk that the bill falls apart given narrow margins in both the House and the Senate, but we think the likelihood is relatively low.

#### It sets a new precedent for future bills

The bill is likely to add to deficits over time, which will increase concerns about debt sustainability. Moreover, we worry that Senate Republicans' decision to score the bill on a current policy basis sets a dangerous precedent for future reconciliation bills.

The Congressional Budget Office and Joint Committee on Taxation are the official scorers of bills proposed by Congress. A score is the estimated deficit impact from proposed changes relative to a baseline, typically current law. These scores matter more for reconciliation bills since the provisions must adhere to the reconciliation instructions.

A current policy baseline assumes policies in place today remain in place. What this means for the current bill is the score does not need to include the cost of extending expiring provisions of the 2017 Tax Cuts and Jobs Act (TCJA), and these provisions can effectively be made permanent, whereas a current law baseline reflects expiring policies. So, the cost of extending expiring provisions must be included in the official score.

While current policy has been used for bipartisan bills before, this is the first time it would be used for a reconciliation bill. We worry this becomes the norm moving forward, which could increase the slope of debt-to-GDP.

### The deficit should remain elevated in all scenarios

The reconciliation bill obviously affects our deficit outlook, and the impact depends on the details. How large will spending cuts be? Will the tax cuts be front-loaded? Will the tax cuts skew towards higher multiplier more pro-growth options? How will the Fed respond? And how will the market respond? Tariffs are also critical to the deficit outlook. In this section we address these factors and argue that deficit-to-GDP ratios are likely to climb over time, although the risks around our baseline are two-sided.

#### Tariffs could be a big source of revenue

Starting with tariffs, the administration has generally taken steps in recent weeks to deescalate the trade war. That said, tariff rates remain elevated compared to a year ago, and the administration has highlighted the revenue that tariffs have raised. Given these actions, we make the following country-specific assumptions on tariff rates:

- China: ~40% on most imports through FY 27. Imports of computers, smart phones, and semiconductors face a 25% tariff rate.
- Mexico and Canada: 5% effective tariff rate for the remainder of FY 2025 through FY 2027.
- Rest of World (RoW): 10% effective tariff rate for the remainder of FY 2025 through FY 2027

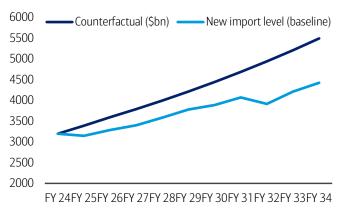
To calculate tariff revenues based on these rates, we use import price elasticities from Boem, Levchenko, Pandalai-Nayar (2022). The elasticities are less than 1 in the initial years and climb to around 2 over time. Compared to a counterfactual where tariff rates were unchanged from last year, we estimate imports decline by roughly 10% initially and



20% over time (Exhibit 4). Based on these assumptions, the effective tariff rate converges toward 10% over time, which would generate close to 1% of GDP of new tariff revenue in the short run (Exhibit 5).

Exhibit 4: Our tariff assumptions imply a drop in imports relative to a counterfactual without tariffs.

US goods imports (\$bn, FY)



Source: BofA Global Research

BofA GLOBAL RESEARCH

Exhibit 5: Tariff revenue is likely to be significant Tariff revenue by FY 1.0% 12.0% 0.8% 11.4% 0.6% 10.8% 0.4% 10.2% 0.2% 0.0% 9.6% FΥ FΥ FY FΥ FΥ FΥ FΥ 27 29 25 26 28 30 31 32 33 34 Effective tariff rate (rhs) New tariff revenue (baseline)

Source: BofA Global Research

BofA GLOBAL RESEARCH

To be sure, these estimates are dependent on the elasticities we use, and estimates of elasticities vary widely in the literature. It's also dependent on these tariff rates remaining unchanged and in place, which may be an unrealistic assumption. Still, we think our revenue estimates are reasonable until we learn more.

#### **Reconciliation scenarios**

Turning now to the reconciliation bill, we provide three scenarios: a low deficit, our baseline, and a high deficit option given the fluid nature of the bill. In each scenario we assume TCJA is extended. Therefore, the only differences result from new tax and spending policies. Again, this is the portion of the bill that matters most for the economic outlook and markets. We outline our assumptions below.

#### Low deficit scenario

We base this scenario on the current tax proposals being considered by House Republicans. We assume spending cuts of \$1.5tn are evenly distributed.

#### **Baseline scenario**

Our baseline scenario assumes \$1.5tn in new tax cuts are front-loaded in the first half of the budget window (FY 25-FY29). We also assume that spending cuts are \$750bn, half of our low deficit scenario, and they are spread out evenly over the budget window.

#### High deficit scenario

Finally, our high deficit scenario differs from our baseline scenario in two ways: (1) we assume no spending cuts; and 2) we front-load tax cuts even more aggressively.

#### Front-loading misrepresents true cost

No matter the size of the new tax cuts, they are likely to be front-loaded. This inevitably makes the "fiscal cliff" a problem for a future Congress, but it also misrepresents the true cost of these tax cuts, as they are almost always extended. Therefore, market participants are likely to look through these budget gimmicks and assume these policies remain in place indefinitely.



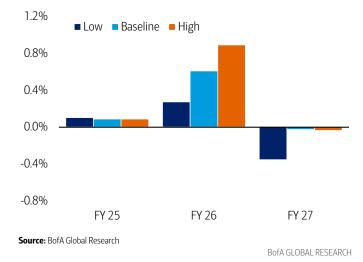
# Dynamic effects likely to be a partial offset

Each of our scenarios will also affect deficits through its effects on growth, inflation, and interest rates. To assess these impacts, we estimate the fiscal impulse for each scenario using multipliers outlined in "Understanding the Relationship Between Changes to: Federal Fiscal Policy and Near-Term Real GDP Growth" (Nelson and Wilson 2025).

Under our assumptions, we estimate the fiscal impulse to be positive in FY 26 for each scenario (Exhibit 6), although that is before accounting for the drag from tariffs, which we think will peak in the next two quarters. The positive impulse reflects front-loaded tax cuts and spending increases on defense, immigration, and law enforcement. Stronger growth should yield modestly higher tax revenues; a simple rule of thumb from CBO suggests tax revenue increase 8bp for every 0.1pp increase in GDP.

While better near-term growth due to higher deficits may pay for themselves to an extent, the revenue boost will be offset by a couple other factors. First, faster growth is likely to keep inflation above the Fed's target for longer, which puts upward pressure on inflation-indexed mandatory spending and on short-term rates. Second, larger deficits put upward pressure on longer-dated borrowing costs resulting in more crowding out effects over time. Indeed, research shows a 1ppt increase in debt-to-GDP pushes the 10yr up by 2-5bps, and there are likely non-linearities that emerge at higher debt-to-GDP levels (Exhibit 7).

**Exhibit 6: The reconciliation bill will likely boost growth in FY 26** Fiscal impulse estimates for our three reconciliation scenarios (%)



# Exhibit 7: Estimates of the impact of debt-to-GDP levels on interest rates

Academic research generally finds that higher debt levels lead to higher interest rates

	Change in 10y UST for each 1pp increase in debt-to-GDP ratio (bp)
Engen and Hubbard (2004)	2.8-4.7
Laubach (2009)	2.9-5.2
Gamber and Seliski (2019)	1.5-2.4
Tedeschi (2019)	4.2
Cotton (2021)	4.3
AEI (2022)	4.5
CBO	2.5

**Source:** Peterson Institute for International Economics.

BofA GLOBAL RESEARCH

#### Putting all the pieces together

Accounting for all these effects, we expect deficit-to-GDP to be around 6.9% of GDP in each of the next two fiscal years in our base case (Exhibit 8). We see two-sided risks to our baseline owing mostly to uncertainty over spending cuts. But even with more significant spending cuts, deficits should remain elevated compared to historical levels. As a result, we expect public-debt-to-GDP to continue its ascent towards 110%, putting upward pressure on borrowing costs.



### Exhibit 8: Debt-to-GDP should continue to climb in the coming years

Summary table of our deficit scenarios

Scenario	Fiscal year	Deficit	Primary deficit	Interest	Revenues ex tariffs	New tariff revenue	Outlays ex interest	Debt-to-GDP
Low	FY 25	6.3%	3.1%	3.2%	16.7%	0.5%	20.2%	101%
	FY 26	6.2%	2.9%	3.3%	17.1%	0.9%	21.0%	104%
	FY 27	5.3%	2.1%	3.2%	18.1%	0.9%	21.1%	106%
Baseline	FY 25	6.3%	3.1%	3.2%	16.7%	0.5%	20.2%	101%
	FY 26	6.9%	3.5%	3.4%	16.6%	0.9%	21.2%	105%
	FY 27	6.8%	3.4%	3.5%	17.1%	0.9%	21.5%	108%
High	FY 25	6.3%	3.1%	3.2%	16.7%	0.5%	20.2%	101%
	FY 26	7.1%	3.8%	3.4%	16.6%	0.9%	21.3%	105%
	FY 27	7.1%	3.6%	3.5%	17.0%	0.9%	21.7%	108%

Source: BofA Global Research

BofA GLOBAL RESEARCH

# The downside risk: a bond-buyers' strike

While we see the fiscal policy bill as your typical deficit-financed tax cut that offsets the "tax-hike" from tariffs, there is an increasing risk that it could lead to a bond-buyers' strike. The incremental increase to the deficit from the fiscal bill may not be much larger than previous bills. However, global demand for US Treasuries has softened, which raises the risk of a bond vigilante event.

In this risk scenario, we would expect the spike in borrowing rates to overwhelm any of the near-term pro-growth nature of the fiscal bill. Therefore, it poses downside risks to our growth outlook next year. It would also generate downside risks to long-run growth. If markets lose confidence in the sustainability of the US government, then we would experience more severe crowding out effects as we shift to an ever-higher rate regime. Ultimately this could result in financial repression or force Congress to reverse course quickly and adopt policies that make a significant fiscal adjustment. But even if Congress walks back deficit-expansion, there could be lasting effects from the market move.

# US rates: trouble for the back end

Meghan Swiber, CFA
Rates Strategist
BofAS
meghan.swiber@bofa.com

Katie Craig Rates Strategist BofAS katie.craig@bofa.com

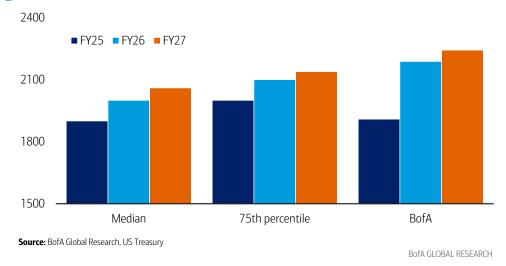
# Market deficit expectations rising

While the current spending proposals by the House do not change our base case deficit forecasts, the market may be moving closer to our expectations for around a 7% deficit in FY '26 & '27. The market is likely realizing lower effective tariff revenues, limited scope of DOGE spending reductions and potential incremental tax cuts on top of TCJA extension support a higher deficit trajectory in both the medium and longer term. We recommend being short 30y spreads and in 10s30s steepeners to position for growing supply/ demand challenges.



#### Exhibit 9: BofA deficit forecasts vs primary dealer forecasts (\$bn)

As of May refunding meeting, BofA was at top end of dealer deficit forecasts for FY '26 & 27 deficits



# UST will likely need to grow auction sizes

In our base case, we assume UST (US Treasury) grows coupons starting at the February refunding. A proactive UST has room to grow coupons sooner than February, but deficit uncertainty will likely push coupon increases out to 2026.

In Exhibit 11, we show bills as % of marketable debt assuming \$280bn growth over four quarters starting in February 2026 (similar to \$300bn in four quarters in '23-'24). Even under the lower deficit scenario, the auction growth we forecast is required for bills to not persistently exceed 22% of marketable debt in FY 2026. It is possible UST allows higher bill supply growth vs Treasury Borrowing Advisory Committee (TBAC) guidance; we interpret TBAC guidance as recommending a soft cap of bills as % of total UST debt around 22%.

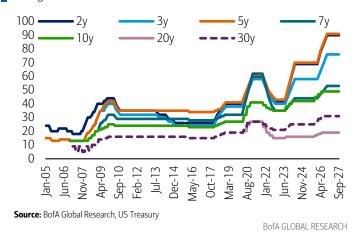
# Exhibit 10: Bills % marketable debt assuming baseline coupon growth across curve starting in February

Assuming coupon growth we expect, bills stay below 23% through FY '27 under base & alternate deficit scenarios



# Exhibit 11: Treasury auction sizes by tenor with projections through FYE '27 (\$bn)

We forecast that Treasury note auction sizes will grow starting in Feb  $\dot{'}26$  through Oct  $\dot{'}26$ 



Our base case for coupon growth is shown in Exhibit 12. We reflect coupon increases across the curve consistent with observed growth in '23-'24. We anticipate that UST will view bill supply above 22% as too high and then look to grow coupons. UST may argue for persistently higher bill supply if stablecoin is more broadly adopted, which could



structurally increase demand for bills (see report: Stablecoins & USTs). Treasury Secretary Bessent may also prefer to fund the deficit via bills to limit upward pressure on longer-term USTs (despite his prior criticism of former Treasury Secretary Yellen for a similar approach).

### WAM adjustment a potential consideration

UST has capacity to shorten UST WAM (Weighted Average Maturity) but has yet to show willingness. In our May refunding preview (see report), we discussed the options that UST has for shifting WAM of issuance to the front end and belly of the curve. Because UST WAM is at historically elevated levels (Exhibit 13), UST can consider alternate coupon supply growth that only modestly shift WAM lower and keep WAM above longer term average. We perceive the likelihood of a lower UST WAM as rising.

# Exhibit 12: Actual and expected WAM through FY '27 (months)

WAM expected to rise unless Treasury adjusts issuance allocation



Source: BofA Global Research, US Treasury

BofA GLOBAL RESEARCH

Assuming coupons grow across the curve consistent with recent adjustments, WAM will continue to shift higher. If back-end cheapness remains into the end of the year, UST may be motivated to consider keeping bill share elevated or managing gross issuance across shorter-dated coupons.

# **Higher deficit = cheaper long-end USTs**

Both the Moody's US downgrade and expected fiscal deterioration spell trouble for the UST back end. As discussed in Global Rates Weekly we favor a 10s30s steepener and 30y spread short to position for continued cheapening pressure at the back end as the market grapples with more supply and the limited scope for back end demand (see: Flows report). The UST back end will absorb much of the fiscal risk, as Treasury has yet to show responsiveness to this supply/ demand imbalance and market signals from term premium, spread curve shape, and 20y cheapness (see: Signal miss). While we are hopeful WAM/ UST/ TBAC discussion will be had in coming refunding meetings, we have limited conviction on what levels will garner enough concern for action.



# **Equity market implications – buyer's strike in bonds**

#### Savita Subramanian

Equity & Quant Strategist BofAS

savita.subramanian@bofa.com

#### Jill Carey Hall, CFA

Equity & Quant Strategist BofAS

jill.carey@bofa.com

#### Victoria Roloff

Equity & Quant Strategist BofAS

victoria.roloff@bofa.com

#### Tyson Dennis-Sharma

Equity & Quant Strategist BofAS

tyson.dennis-sharma@bofa.com

#### Alex Makedon

Equity & Quant Strategist BofAS

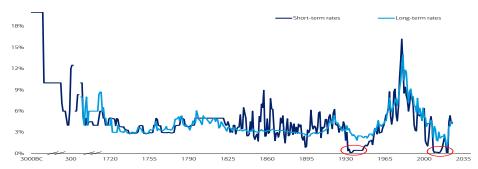
alex.makedon@bofa.com

#### Real rates likely to go higher rather than lower

We have seen the bubble created in long-term Treasury bonds deflate but still see at least three reasons for higher rather than lower long-term real interest rates, First, mean reversion based on historical trends would argue for higher, not lower, rates. Moreover, bond buyers of the 2000 to 2020 era (China, Japan and the Fed) are no longer buying US bonds. Finally, sovereign risks are significantly higher following years of outsized fiscal stimulus, with the US debt to GDP ratio having reached levels consistent with emerging rather than developed economies.

### Exhibit 14: Just coming off 5000-yr lows, rate cycles last for decades

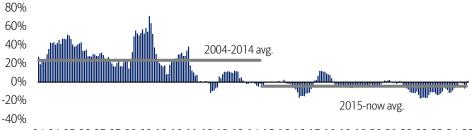
Interest rates since 3000 BC



Source: BofA Global Investment Strategy, Bank of England Global Financial Data, Homer and Sylla "A History of Interest Rates" (2005)

#### Exhibit 14: China selling since 2015, Japan & Fed not buying anymore

YoY change in China holdings of Tsy (2004-2/2025)



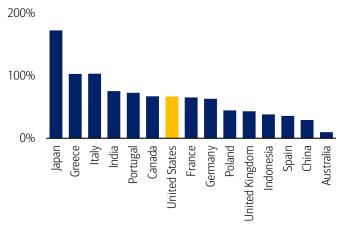
04 04 05 06 07 07 08 09 10 10 11 12 13 13 14 15 16 16 17 18 19 19 20 21 22 22 23 24 25

Source: Bloomberg, BofA Global Research



# Exhibit 15: US Debt was ~67% of GDP in 2007...

Government debt as a percentage of GDP, 2007

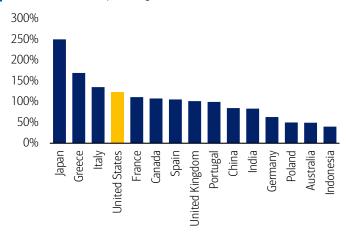


Source: International Monetary Fund, BofA US Equity & Quant Strategy

BofA GLOBAL RESEARCH

# Exhibit 16: ..but US Debt now ~120% of GDP, worse than other EM and DM sovereigns

Government debt as a percentage of GDP, 2023



**Source:** International Monetary Fund, BofA US Equity & Quant Strategy

BofA GLOBAL RESEARCH

#### If stagflation is the enemy, bonds don't make sense

Stagflation fears have hit risk assets, but bonds don't make sense with stagflation – the opportunity cost of owning 10y government bonds from early 70s to early 80s translated to a 50% loss. If stagflation is the enemy, companies helped by inflation with less global exposure, stable EPS/dividends are more attractive as evidenced by value equities outperforming bonds during that period. Cash flow and inflation-protected income help in a higher rate world. 2022's jump in real rates saw the S&P 500 High Dividend Yield decile lead by >15ppt (see: 2022 OP).

# Exhibit 17: The opportunity cost of owning 10-year government bonds from early 70s to early 80s translated to a 50% loss, proxied by price decline from 3/31/71 to 9/30/81 of -51%

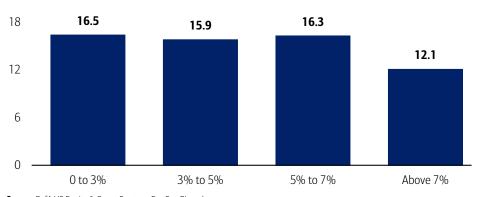
10yr bond price return, indexed to 100 at start of 1970 through 12/31/85



#### What level of rates hurts equities?

"5% Treasury yields will drive an equity sell-off" is a popular platitude, but this is likely based on anchoring to the recent cycle of ultra-low rates. In reality, there is no magic number, but, in our analysis, S&P 500 multiples tend to hold up reasonably well until around 7% on the 10-year Treasury.

# **Exhibit 18: If there were a line in the sand for good vs. bad rates, it would be about 7%** Median S&P 500 Fwd P/E based on different levels of the nominal 10yr Tsy yield (1986-04/2025)



**Source:** BofA US Equity & Quant Strategy, FactSet, Bloomberg

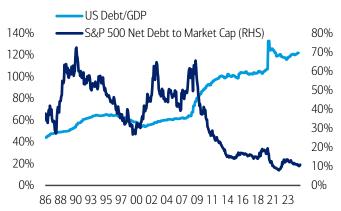
BofA GLOBAL RESEARCH

#### Stocks>bonds; current US Debt/GDP implies 7% Treasury yield

Leverage risk has been one of the biggest drivers of the equity risk premium since the GFC (Global Financial Crisis), explaining more than 60% of fluctuations in the cost of equity capital. So, whereas a simple comparison between US earnings yield and 10y Tsy. bond yields would argue for an overweight in bonds, we disagree. S&P 500 debt to market capitalization is 1.7x std deviations below average, whereas government debt is near all-time highs. Applying the strong historical relationship between S&P 500 leverage and earnings yield to current US debt to GDP implies a 10yr Tsy yield of~7% (or a mega-boom in GDP). See our latest <u>S&P 500 Relative Value Cheat Sheet</u>.

# Exhibit 19: S&P 500 debt at record lows, US government debt near highs

S&P 500 Net Debt to Market Cap and US debt to GDP (1/1986-4/2025)

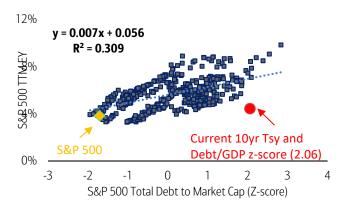


**Source:** FRED, FactSet, BofA US Equity & Quant Strategy

BofA GLOBAL RESEARCH

### Exhibit 20: Current US Gov't Debt to GDP implies 7% yield

Relationship between S&P 500 earnings yield and S&P 500 total debt to market cap as a z-score (1/1986-4/2025)



 $\textbf{Source:} \ \mathsf{FRED}, \mathsf{FactSet}, \mathsf{BofA} \ \mathsf{US} \ \mathsf{Equity} \ \& \ \mathsf{Quant} \ \mathsf{Strategy.} \ \mathsf{Note:} \ \mathsf{For} \ \mathsf{debt} \ \mathsf{to} \ \mathsf{GDP}, \ \mathsf{the} \ \mathsf{z-score} \ \mathsf{is} \ \mathsf{based} \ \mathsf{on} \ \mathsf{the} \ \mathsf{full} \ \mathsf{history} \ \mathsf{of} \ \mathsf{the} \ \mathsf{quanterly} \ \mathsf{FRED} \ \mathsf{time} \ \mathsf{series}, \ \mathsf{which} \ \mathsf{begins} \ \mathsf{in} \ \mathsf{1966}.$ 



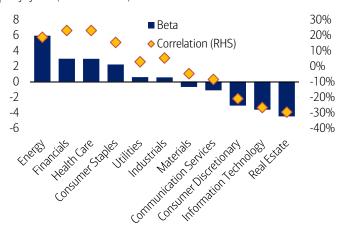
#### Sectors: Energy, Financials & dividend growth stocks > long duration equities

What sectors should investors want to buy when long rates are rising? Energy, Financials, and dividend growth stocks. What sectors should they sell? Anything with long duration and no options to shorten its duration risk. Long duration (back end-loaded growth stocks) are more vulnerable to rising rates. Our S&P 500 fair value model (see <a href="Target Update">Target Update</a>) suggests that every 10bp rise in real rates would translate into a 2ppt decline in the S&P 500, all else equal, with most acute pain in long duration sectors like Tech and TMT (Comm. Services).

Duration risk in large, well-capitalized equities is more manageable than in smaller non-earners: Well-capitalized companies can lower their duration risk, unlike bonds. An example is META in 1Q 2023, which lowered its duration via cash return (a big share buyback) and layoffs, cost control and capacity reduction.

Exhibit 21: Energy and Financials benefit, Tech and Real Estate most hurt by rising real rates

Beta/correlations of 120m relative price performance vs. m/m changes in real 10yr yields (5/2014-4/2025)



**Source:** BofA US Equity & Quant Strategy, Haver Analytics, FactSet, Bloomberg

BofA GLOBAL RESEARCH

Exhibit 23: Duration risk less manageable in small caps, which have a record proportion of non-profitable stocks...

Russell 2000: % non-earners, 1985-4/2025

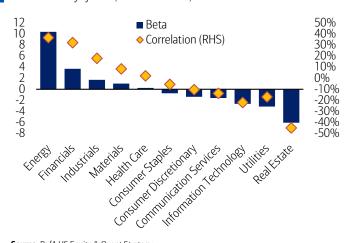


Source: FactSet, BofA US Equity & US Quant Strategy

BofA GLOBAL RESEARCH

# Exhibit 22: Energy and Financials benefit, Utilities, Real Estate and Tech hurt most from higher nominal rates

Betas/correlations of 120m relative price performance vs. m/m changes in nominal 10yr yields (5/2014-4/2025)

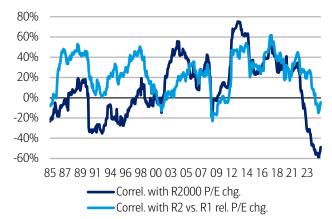


Source: BofA US Equity & Quant Strategy

BofA GLOBAL RESEARCH

# Exhibit 24: ...and small cap absolute and relative valuations have been more negatively correlated with changes in interest rates than ever

Rolling 3yr correlation of monthly chgs. in the 10yr Tsy. yield vs. monthly chgs. in the fwd. P/E ratio for the Russell 2000, and relative P/E for Russell 2000 vs. Russell 1000 (1985-4/2025



Source: FactSet, Bloomberg, BofA US Equity & US Quant Strategy



# A deficit financed tax bill with heavy dose of risk

The reconciliation process has not been as smooth as Republicans may have wanted. Still, we expect a bill ultimately to be passed in July before the August recess. It should stimulate growth and help partially offset the drag from tariffs. However, it will also keep deficits elevated, which raises the risk of a bond-buyers' strike and a material surge in borrowing costs.



# **Appendix:**

# **Glossary**

#### **Budget resolution**

A plan for Congressional action regarding budgetary issues for the year. It sets targets for total revenues and outlays. It does not include actual legislation changes or funding for government agencies and programs.

#### **Reconciliation:**

A legislative process used to make changes to tax policy and spending over a 10-year budget window. It has advantages to making changes through regular order. Most notably, the bill cannot be filibustered in the Senate. So, it can be passed with a simple majority in the Senate. When Congress proceeds with a reconciliation process, it includes reconciliation instructions in a concurrent budget resolution.

#### X-date

The date when the US government fails to completely cover its obligations on time.

#### Byrd rule

The Byrd rule constrains a reconciliation bill in a few ways. First, it cannot include provisions that do not have a fiscal effect. Second, it cannot make changes to social security spending or revenue. It cannot increase the deficit in any fiscal year outside the budget window.

### The reconciliation road map

#### Stage 1: Passing a budget resolution.

First, both chambers must pass the same budget resolution that includes reconciliation instructions. The reconciliation instructions are what matter here. These instructions set targets for legislative committees to draft legislation that either reduces spending or increases the deficit and a deadline for the proposals. We have just recently cleared this stage.

#### Stage 2: Legislation is drafted

Once both chambers of Congress have passed the same budget resolution and reconciliation instructions, the affected committees draft legislation that meets the target set out in the instructions. Committees in both chambers do this concurrently, and the legislation is packaged together in an Omnibus bill by a Budget committee. At this stage in the Senate, the proposed legislation is reviewed to make sure the provisions do not violate the Byrd rule.

#### Stage 3: Floor vote

Once packaged, each chamber conducts floor votes on the omnibus bill. There are some specific rules that govern amendments, time and more that generally expedite the process. But these details are not particularly important for the overall process.

#### Stage 4: Resolve differences between the two omnibus bills

After the bills are passed by the respective chambers, a conference committee is established to resolve any differences. When this is finalized, the bill is sent back to both chambers for another floor vote.

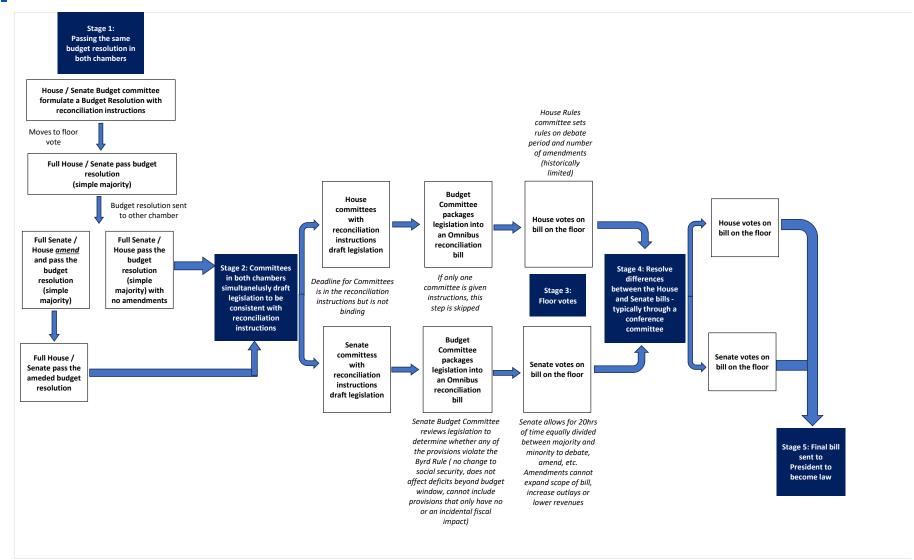
#### Stage 5: Signed into law

The last stage is sending the bill to the president to be signed into law.



### Exhibit 26: Congress has cleared the first stage of the reconciliation process but is still a long way from a final bill

Reconciliation bill flow chart



Source: BofA Global Research



# **Disclosures**

### **Important Disclosures**

Due to the nature of strategic analysis, the issuers or securities recommended or discussed in this report are not continuously followed. Accordingly, investors must regard this report as providing stand-alone analysis and should not expect continuing analysis or additional reports relating to such issuers and/or securities.

BofA Global Research personnel (including the analyst(s) responsible for this report) receive compensation based upon, among other factors, the overall profitability of Bank of America Corporation, including profits derived from investment banking. The analyst(s) responsible for this report may also receive compensation based upon, among other factors, the overall profitability of the Bank's sales and trading businesses relating to the class of securities or financial instruments for which such analyst is responsible.

### **Other Important Disclosures**

Prices are indicative and for information purposes only. Except as otherwise stated in the report, for any recommendation in relation to an equity security, the price referenced is the publicly traded price of the security as of close of business on the day prior to the date of the report or, if the report is published during intraday trading, the price referenced is indicative of the traded price as of the date and time of the report and in relation to a debt security (including equity preferred and CDS), prices are indicative as of the date and time of the report and are from various sources including BofA Securities trading desks.

The date and time of completion of the production of any recommendation in this report shall be the date and time of dissemination of this report as recorded in the report timestamp.

Recipients who are not institutional investors or market professionals should seek the advice of their independent financial advisor before considering information in this report in connection with any investment decision, or for a necessary explanation of its contents.

Officers of BofAS or one or more of its affiliates (other than research analysts) may have a financial interest in securities of the issuer(s) or in related investments.

Individuals identified as economists do not function as research analysts under U.S. law and reports prepared by them are not research reports under applicable U.S. rules and regulations.

Macroeconomic analysis is considered investment research for purposes of distribution in the U.K. under the rules of the Financial Conduct Authority.

Refer to BofA Global Research policies relating to conflicts of interest.

'BofA Securities' includes BofA Securities, Inc. ('BofAS') and its affiliates. Investors should contact their BofA Securities representative or Merrill Global Wealth Management financial advisor if they have questions concerning this report or concerning the appropriateness of any investment idea described herein for such investor. 'BofA Securities' is a global brand for BofA Global Research.

#### Information relating to Non-US affiliates of BofA Securities and Distribution of Affiliate Research Reports:

BofAS and/or Merrill Lynch, Pierce, Fenner & Smith Incorporated ("MLPF&S") may in the future distribute, information of the following non-US affiliates in the US (short name: legal name, regulator): Merrill Lynch (South Africa): Merrill Lynch South Africa (Pty) Ltd., regulated by the Financial Sector Conduct Authority; MLI (UK): Merrill Lynch International, regulated by the Financial Conduct Authority (FCA) and the Prudential Regulation Authority (PRA); BofASE (France): BofA Securities Europe SA is authorized by the Autorité de Contrôle Prudential Regulation Authority (PRA); and regulated by the ACPR and the Autorité des Marchés Financiers (AMF). BofA Securities Europe SA ("BofASE") with registered address at 51, rue La Boétie, 75008 Paris is registered under no 842 602 690 RCS Paris. In accordance with the provisions of French Code Monétaire et Financier (Monetary and Financial Code), BofASE is an établissement de crédit et d'investissement (credit and investment institution) that is authorised and supervised by the European Central Bank and the Autorité de Contrôle Prudentiel et de Résolution (ACPR) and regulated by the ACPR and the Autorité des Marchés Financiers. BofASE's share capital can be found at www.bofaml.com/BofASEdisclaimer; BofA Europe (Milan): Bank of America Europe Designated Activity Company, Milan Branch, regulated by the Bank of Italy, the European Central Bank (ECB) and the Central Bank of Ireland (CBI); BofA Europe (Frankfurt): Bank of America Europe Designated Activity Company, Frankfurt Branch regulated by BaFin, the ECB and the CBI; BofA Europe (Madrid): Bank of America Europe Designated Activity Company, Sucursal en España, regulated by the Bank of Spain, the ECB and the CBI; Merrill Lynch (Australia): Merrill Lynch (Equities (Australia) Limited, regulated by the Australian Securities and Investments Commission; Merrill Lynch (Hong Kong): Merrill Lynch (Asia Pacific) Limited, regulated by the Hong Kong Securities and Futures Commission (HKSFC); Merrill Lynch (Singapore): Merrill Lynch (Singapore) Pte Ltd, regulated by the Monetary Authority of Singapore (MAS); Merrill Lynch (Canada): Merrill Lynch (Canada): Merrill Lynch (Canada): Merrill Lynch Mexico, SA de CV, Casa de Bolsa, regulated by the Comisión Nacional Bancaria y de Valores; BofAS Japan: BofA Securities Japan Co., Ltd., regulated by the Financial Services Agency; Merrill Lynch (Seoul): Merrill Lynch International, LLC Seoul Branch, regulated by the Financial Supervisory Service; Merrill Lynch (Taiwan): Merrill Lynch Securities (Taiwan) Ltd., regulated by the Securities and Futures Bureau; BofAS India: BofA Securities India Limited, regulated by the Securities and Exchange Board of India (SEBI); Merrill Lynch (Israel): Merrill Lynch Israel Limited, regulated by Israel Securities Authority; Merrill Lynch (DIFC): Merrill Lynch (DIFC): Merrill Lynch (DIFC): Merrill Lynch (Brazil): M Valores Mobiliários, regulated by Comissão de Valores Mobiliários; Merrill Lynch KSA Company: Merrill Lynch Kingdom of Saudi Arabia Company, regulated by the Capital Market Authority. This information: has been approved for publication and is distributed in the United Kingdom (UK) to professional clients and eligible counterparties (as each is defined in the rules of the FCA and the PRA) by MLI (UK), which is authorized by the PRA and regulated by the FCA and the PRA - details about the extent of our regulation by the FCA and PRA are available from us on request; has been approved for publication and is distributed in the European Economic Area (EEA) by BofASE (France), which is authorized by the ACPR and regulated by the ACPR and the AMF; has been considered and distributed in Japan by BofAS Japan, a registered securities dealer under the Financial Instruments and Exchange Act in Japan, or its permitted affiliates; is issued and distributed in Hong Kong by Merrill Lynch (Hong Kong) which is regulated by HKSFC; is issued and distributed in Taiwan by Merrill Lynch (Taiwan); is issued and distributed in India by BofAS India; and is issued and distributed in Singapore to institutional investors and/or accredited investors (each as defined under the Financial Advisers Regulations) by Merrill Lynch (Singapore) (Company Registration No 198602883D). Merrill Lynch (Singapore) is regulated by MAS. Merrill Lynch Equities (Australia) Limited (ABN 65 006 276 795), AFS License 235132 (MLEA) distributes this information in Australia only to 'Wholesale' clients as defined by s.761G of the Corporations Act 2001. With the exception of Bank of America N.A., Australia Branch, neither MLEA nor any of its affiliates involved in preparing this information is an Authorised Deposit-Taking Institution under the Banking Act 1959 nor regulated by the Australian Prudential Regulation Authority. No approval is required for publication or distribution of this information in Brazil and its local distribution is by Merrill Lynch (Brazil) in accordance with applicable regulations. Merrill Lynch (DIFC) is authorized and regulated by the DFSA. Information prepared and issued by Merrill Lynch (DIFC) is done so in accordance with the requirements of the DFSA conduct of business rules. BofA Europe (Frankfurt) distributes this information in Germany and is regulated by BaFin, the ECB and the CBI. BofA Securities entities, including BofA Europe and BofASE (France), may outsource/delegate the marketing and/or provision of certain research services or aspects of research services to other branches or members of the BofA Securities group. You may be contacted by a different BofA Securities entity acting for and on behalf of your service provider where permitted by applicable law. This does not change your service provider. Please refer to the Electronic Communications Disclaimers for further information.

This information has been prepared and issued by BofAS and/or one or more of its non-US affiliates. The author(s) of this information may not be licensed to carry on regulated activities in your jurisdiction and, if not licensed, do not hold themselves out as being able to do so. BofAS and/or MLPF&S is the distributor of this information in the US and accepts full responsibility for information distributed to BofAS and/or MLPF&S clients in the US by its non-US affiliates. Any US person receiving this information and wishing to effect any transaction in any security discussed herein should do so through BofAS and/or MLPF&S and not such foreign affiliates. Hong Kong recipients of this information should contact Merrill Lynch (Asia Pacific) Limited in respect of any matters relating to dealing in securities or provision of specific advice on securities or any other matters arising from, or in connection with, this information. Singapore recipients of this information should contact Merrill Lynch (Singapore) Pte Ltd in respect of any matters arising from, or in connection with, this information. For clients that are not accredited investors, expert investors or institutional investors Merrill Lynch (Singapore) Pte Ltd accepts full responsibility for the contents of this information distributed to such clients in Singapore.

#### General Investment Related Disclosures:

Taiwan Readers: Neither the information nor any opinion expressed herein constitutes an offer or a solicitation of an offer to transact in any securities or other financial instrument. No part of this report may be used or reproduced or quoted in any manner whatsoever in Taiwan by the press or any other person without the express written consent of BofA Securities.

This document provides general information only, and has been prepared for, and is intended for general distribution to, BofA Securities clients. Neither the information nor any opinion



expressed constitutes an offer or an invitation to make an offer, to buy or sell any securities or other financial instrument or any derivative related to such securities or instruments (e.g., options, futures, warrants, and contracts for differences). This document is not intended to provide personal investment advice and it does not take into account the specific investment objectives, financial situation and the particular needs of, and is not directed to, any specific person(s). This document and its content do not constitute, and should not be considered to constitute, investment advice for purposes of ERISA, the US tax code, the Investment Advisers Act or otherwise. Investors should seek financial advice regarding the appropriateness of investing in financial instruments and implementing investment strategies discussed or recommended in this document and should understand that statements regarding future prospects may not be realized. Any decision to purchase or subscribe for securities in any offering must be based solely on existing public information on such security or the information in the prospectus or other offering document issued in connection with such offering, and not on this document.

Securities and other financial instruments referred to herein, or recommended, offered or sold by BofA Securities, are not insured by the Federal Deposit Insurance Corporation and are not deposits or other obligations of any insured depository institution (including, Bank of America, N.A.). Investments in general and, derivatives, in particular, involve numerous risks, including, among others, market risk, counterparty default risk and liquidity risk. No security, financial instrument or derivative is suitable for all investors. Digital assets are extremely speculative, volatile and are largely unregulated. In some cases, securities and other financial instruments may be difficult to value or sell and reliable information about the value or risks related to the security or financial instrument may be difficult to obtain. Investors should note that income from such securities and other financial instruments, if any, may fluctuate and that price or value of such securities and instruments may rise or fall and, in some cases, investors may lose their entire principal investment. Past performance is not necessarily a guide to future performance. Levels and basis for taxation may change.

BofA Securities is aware that the implementation of the ideas expressed in this report may depend upon an investor's ability to "short" securities or other financial instruments and that such action may be limited by regulations prohibiting or restricting "shortselling" in many jurisdictions. Investors are urged to seek advice regarding the applicability of such regulations prior to executing any short idea contained in this report.

Foreign currency rates of exchange may adversely affect the value, price or income of any security or financial instrument mentioned in this report. Investors in such securities and instruments effectively assume currency risk.

BofAS or one of its affiliates is a regular issuer of traded financial instruments linked to securities that may have been recommended in this report. BofAS or one of its affiliates may, at any time, hold a trading position (long or short) in the securities and financial instruments discussed in this report.

BofA Securities, through business units other than BofA Global Research, may have issued and may in the future issue trading ideas or recommendations that are inconsistent with, and reach different conclusions from, the information presented herein. Such ideas or recommendations may reflect different time frames, assumptions, views and analytical methods of the persons who prepared them, and BofA Securities is under no obligation to ensure that such other trading ideas or recommendations are brought to the attention of any recipient of this information. In the event that the recipient received this information pursuant to a contract between the recipient and BofAS for the provision of research services for a separate fee, and in connection therewith BofAS may be deemed to be acting as an investment adviser, such status relates, if at all, solely to the person with whom BofAS has contracted directly and does not extend beyond the delivery of this report (unless otherwise agreed specifically in writing by BofAS). If such recipient uses the services of BofAS in connection with the sale or purchase of a security referred to herein, BofAS may act as principal for its own account or as agent for another person. BofAS is and continues to act solely as a broker-dealer in connection with the execution of any transactions, including transactions in any securities referred to herein.

#### Copyright and General Information:

Copyright 2025 Bank of America Corporation. All rights reserved. iQdatabase® is a registered service mark of Bank of America Corporation. This information is prepared for the use of BofA Securities clients and may not be redistributed, retransmitted or disclosed, in whole or in part, or in any form or manner, without the express written consent of BofA Securities. This document and its content is provided solely for informational purposes and cannot be used for training or developing artificial intelligence (AI) models or as an input in any AI application (collectively, an AI tool). Any attempt to utilize this document or any of its content in connection with an AI tool without explicit written permission from BofA Global Research is strictly prohibited. BofA Global Research information is distributed simultaneously to internal and client websites and other portals by BofA Securities and is not publicly-available material. Any unauthorized use or disclosure is prohibited. Receipt and review of this information constitutes your agreement not to redistribute, retransmit, or disclose to others the contents, opinions, conclusion, or information contained herein (including any investment recommendations, estimates or price targets) without first obtaining express permission from an authorized officer of BofA Securities. Materials prepared by BofA Global Research personnel are based on public information. Facts and views presented in this material have not been reviewed by, and may not reflect information known to, professionals in other business areas of BofA Securities, including investment banking personnel. BofA Securities has established information barriers between BofA Global Research and certain business groups. As a result, BofA Securities does not disclose certain client relationships with, or compensation received from, such issuers. To the extent this material discusses any legal proceeding or issues, it has not been prepared as nor is it intended to express any legal conclusion, opinion or advice. Invest

This information has been prepared independently of any issuer of securities mentioned herein and not in connection with any proposed offering of securities or as agent of any issuer of any securities. None of BofAS any of its affiliates or their research analysts has any authority whatsoever to make any representation or warranty on behalf of the issuer(s). BofA Global Research policy prohibits research personnel from disclosing a recommendation, investment rating, or investment thesis for review by an issuer prior to the publication of a research report containing such rating, recommendation or investment thesis.

Any information relating to sustainability in this material is limited as discussed herein and is not intended to provide a comprehensive view on any sustainability claim with respect to any issuer or security.

Any information relating to the tax status of financial instruments discussed herein is not intended to provide tax advice or to be used by anyone to provide tax advice. Investors are urged to seek tax advice based on their particular circumstances from an independent tax professional.

The information herein (other than disclosure information relating to BofA Securities and its affiliates) was obtained from various sources and we do not guarantee its accuracy. This information may contain links to third-party websites. BofA Securities is not responsible for the content of any third-party website or any linked content contained in a third-party website. Content contained on such third-party websites is not part of this information and is not incorporated by reference. The inclusion of a link does not imply any endorsement by or any affiliation with BofA Securities. Access to any third-party website is at your own risk, and you should always review the terms and privacy policies at third-party websites before submitting any personal information to them. BofA Securities is not responsible for such terms and privacy policies and expressly disclaims any liability for them.

All opinions, projections and estimates constitute the judgment of the author as of the date of publication and are subject to change without notice. Prices also are subject to change without notice. BofA Securities is under no obligation to update this information and BofA Securities ability to publish information on the subject issuer(s) in the future is subject to applicable quiet periods. You should therefore assume that BofA Securities will not update any fact, circumstance or opinion contained herein.

Certain outstanding reports or investment opinions relating to securities, financial instruments and/or issuers may no longer be current. Always refer to the most recent research report relating to an issuer prior to making an investment decision.

In some cases, an issuer may be classified as Restricted or may be Under Review or Extended Review. In each case, investors should consider any investment opinion relating to such issuer (or its security and/or financial instruments) to be suspended or withdrawn and should not rely on the analyses and investment opinion(s) pertaining to such issuer (or its securities and/or financial instruments) nor should the analyses or opinion(s) be considered a solicitation of any kind. Sales persons and financial advisors affiliated with BofAS or any of its affiliates may not solicit purchases of securities or financial instruments that are Restricted or Under Review and may only solicit securities under Extended Review in accordance with firm policies.

Neither BofA Securities nor any officer or employee of BofA Securities accepts any liability whatsoever for any direct, indirect or consequential damages or losses arising from any use of this information.



# **Research Analysts**

US Economics Aditya Bhave US Economist BofAS +1 646 855 9929 aditya.bhave@bofa.com

**Stephen Juneau** US Economist BofAS +1 202 442 7429 stephen.juneau@bofa.com

**Shruti Mishra** US Economist BofAS +1 646 855 1040 smishra44@bofa.com

Jeseo Park US Economist BofAS +1 646 855 8688 jeseo.park@bofa.com

