

## Japan Viewpoint

# FY25 wage outlook: Shunto, SME, Parttimers' wages

Select Subject

# Shunto: Raise base-up estimate to c.3.5%, on par with prior year

The focus in the FY25 Shunto spring labor negotiations (which officially begin on 6 February) is whether they result in a third consecutive year of substantial wage hikes. With inflation slowing, we previously expected the Japanese Trade Union Confederation's (Rengo) first-round tabulation for the FY25 Shunto to show a 2.5-3.0% base-up rate. We now raise our first-round estimate to around 3.5%, in line with FY24 (+5.1% including seniority-based pay increases) to reflect industry and corporate unions' aggressive wage-hike demands. This is above the economist consensus of +3.06% (+4.74%).

## Watch whether SMEs keep pace with large firms

The weaker yen continues to drive up corporate earnings at the large manufacturers that dominate the Shunto. As a result, the labor share of income has continued to decline, creating ample scope for wage hikes. However, the labor share for smaller firms remains high, and we will be watching whether they can keep up with the level of wage hikes delivered by the blue-chip, large corporates that lead the Shunto.

Growth in scheduled cash earnings (base pay) at large and small firms diverged sharply in FY24. However, one-off increases in SME bonuses drove strong growth in their overall wages. We expect this pattern to persist in FY25, with growth in SMEs' scheduled cash earnings continuing to trail large companies. Summer bonus trends will be a key focus.

## Part-timers' wages: 4%+ growth to continue

Meanwhile, we expect increases in the minimum wage to result in sustained, wage growth of more than 4% annualized for part-time workers, who make up 30% of the workforce. YoY growth in the minimum wage is also top of mind for the government, and we therefore see another roughly 5% minimum wage hike as likely in FY25. We note that even if the government agrees on expanding household income tax deductions, in response to intra-party negotiations on the "annual income barrier," this is unlikely to materially ease Japan's labor shortage or slow the uptrend in part-timers' wages.

# Positive real wages to support spending rebound, BoJ normalization

We expect nominal macro wages to rise by 2.5-3.0% YoY in FY25, based on our forecast of a 3.5% Shunto base-up rate. We think this will result in a moderate increase in real wages in FY25 following a modest decline in FY24. We expect the income developments to support annualized growth of 0.5-1.0% in consumer spending. With sustained wage growth underpinning spending and further price hikes, we expect the BoJ to continue raising rates gradually and forecast two 25bp hikes in July 2025 and January 2026 (terminal rate 1%).

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 10 to 11.

#### Timestamp: 27 January 2025 01:35AM EST

### 27 January 2025

Economics Japan

#### Takayasu Kudo

Japan and Asia Economist BofAS Japan +81 3 6225 8592 takayasu.kudo@bofa.com

#### Izumi Devalier Japan and Asia Economist BofAS Japan +81 3 6225 6257 izumi.devalier@bofa.com

### Shunto is upon us

The FY25 Shunto spring labor negotiations officially begin on 6 February. FY23 and FY24 featured Japan's biggest pay increases since the early 1990s, with the "base-up" rate (the "pure" increase in base pay excluding the seniority-based component) reaching 2.12% and 3.56%, respectively; including the seniority-based component, pay was up by 3.69% and 5.20% (Exhibit 1). While only around 16% of workers in Japan are members of the labor unions (and thus participate in Shunto), the results of the Shunto are symbolically important and influences labor-management relationships (including wage hikes) in the rest of the economy. Shunto outcomes indeed fed into sustained strong growth in FY23-24 macro wages (which reflect the entire workforce; Exhibit 2).

Japan's ability to sustain strong wage hikes in FY25 will be critical as it works to overcome two and a half decades of low inflation. We expect real wage growth to support Japan's economic recovery and think the BoJ will continue to gradually normalize monetary policy on the assumption that a self-sustaining cycle of inflation and wage growth will continue (see <u>Year Ahead 2025</u>: <u>Domestic resilience vs. external risks</u>, 28 November 2024).

# Exhibit 1: Shunto revision rate and macro level base payment growth (FY basis yoy%)

We expect above-consensus base-up rate of 3.5% in FY25 Shunto, in line with FY24  $\,$ 



Source: BofA Global Research, MHLW, Rengo \*Rengo base revision rate, data until 2014 are BofA estimates based on headline revision rate from Rengo and base-up portion from Central Labor Relations Commission, Base payment for FY2024 is Apr-Nov '24 average BofA GLOBAL RESEARCH

### Exhibit 2: Inflation and wage growth (yoy%, 3mma)

We expect nominal macro wages to rise by 2.5-3.0% YoY in FY25, and real wages to continue modestly growing in YoY term



 $\label{eq:source} \textbf{Source:} \ \textbf{BofA} \ \textbf{Global} \ \textbf{Research}, \ \textbf{Cabinet} \ \textbf{Office}, \ \textbf{MIAC}, \ \textbf{MHLW} \ ^* \textbf{Figures} \ \textbf{since} \ \textbf{December} \ \textbf{2024} \ \textbf{are} \ \textbf{BofA} \ \textbf{estimates}$ 

BofA GLOBAL RESEARCH

# Shunto: Raise base-up estimate to c.3.5%, on par with FY24

The Japanese Trade Union Confederation (Rengo), individual unions, the Japan Business Federation (Keidanren), and corporate employees and management all target "sustainable" wage hikes in the FY25 Shunto (see <u>Wages update: Progress toward</u> <u>sustainable wage hikes in FY25 Shunto</u>, 7 November 2024). Further evidence of this comes from the basic wage-hike policies announced by industry union umbrella groups at end-2024, with many unions calling for pay hikes on par with or above FY24 levels (Exhibit 3).

The focus now shifts to the pay hikes that individual corporate unions demand in view of these basic policies. In 2024, some corporate unions demanded stronger pay hikes than the relatively conservative increases requested by industry groups. With industry unions making more aggressive demands this year, we think individual company unions will likely push for similar wage hikes to FY24 (when Rengo's tabulation shows that they demanded a 4.3% increase in base pay).



### Exhibit 3: Wage demands and response (monthly, yen)

Many unions calling for pay hikes on par with or above FY24 levels

	# of me	# of members 2024		2024	2025		
			Demand		Wage increased		Demand
		Share	Union's	Companies'	Actual	Response	Union's
			policy	ave.		rate	policy
Rengo	6,888,162	100.0%	3.0%	4.3%	3.6%	84.4%	3.0%
JCM	1,993,696	28.9%	10,000	-	9,055	-	12,000
JAW	786,673	11.4%	-	-	9,448	-	12,000
JEIU	564,615	8.2%	13,000	13,000	13,000	100.0%	17,000
JAM	350,513	5.1%	12,000	13,131	11,576	88.2%	15,000
JBU	266,836	3.9%	12,000	22,849	17,157	75.1%	15,000
JFEW	25,059	0.4%	10,000	13,502	-	-	13,000
UA Zensen	1,878,853	27.3%	12,000	-	-	-	12,000
Jichiro	690,519	10.0%	-	-	-	-	-
LIU	230,176	3.3%	-	-	-	-	-
JP GROUP UNION	219,126	3.2%	10,000	10,000	5,100	51.0%	5% (total)
JTU	200,298	2.9%	-	-	-	-	-
Denryoku Soren	198,828	2.9%	over 3%	10,513	-	-	over 3%
ICTJ	190,603	2.8%	over 3%	-	-	-	over 3%
JEC rengo	125,060	1.8%	4.0%	-	-	-	over 4%
Unyu Roren	121,532	1.8%	4.5%	-	-	-	4.5%
JFU	112,197	1.6%	10,000	8,800	-	-	13,000
PRU	110,988	1.6%	14,600	-	-	-	13,400
Others	816,286	11.9%	-	-	-	-	-

Source: BofA Global Research, BofA Global Research, Rengo, news reports \*JCM=Japan Council of Metalworkers' Unions, JAW=Japan Automobile Workers' Unions, JEIU=Japan Eelectrical Electronic & Information Union, JAM= Japanese association of Metal, Machinery, and Manufacturing Workers, JBU= Japan Federation of Basic Industry Worker's Union, JFEW=Japan Federation of Electric Wire Worker's Union, Jichiro= All-Japan Prefectural and Municipal Workers Union, LIU=National Federation of Life Insurance Worker's Union, JTU=Japan Teacher's Union, Denryoku Soren=The Federation of Electric Power Related Industry Worker's Unions of Japan, ICTJ=The Federation of Information and Communication Technology Service Workers of Japan, JEC rengo= Japanese Federation of Energy and Chemistry Workers' Unions, Unyu Roren=All Japan Federation of Transport Workers' Unions, PRU=General Federation of Private Railway Workers' Unions of Japan

BofA GLOBAL RESEARCH

Inflation has slowed since the FY24 Shunto, but companies are showing a growing desire to raise wages defensively to secure personnel (see <u>Shunto update: Union wage hike</u> <u>demands stronger than last year</u>, 9 January). The early announcements of substantial wage hikes by some major companies will likely ramp up pressure on their peers (and competitors), as was the case in 2024. We think companies will again be forced to drastically increase wages in the FY25 Shunto round to secure workers, despite growing uncertainty about earnings and macro conditions.

With inflation slowing, we previously expected Rengo's first-round tabulation for the FY25 Shunto to show a 2.5-3.0% base-up rate (versus 3.70% in the first and 3.56% in the final rounds for FY24). We now raise our base-up estimate to around 3.5%, in line with 2024, to reflect both unions and management's strong desire to increase wages by the same amount as last year (we estimate +5.1% including seniority-based pay increases; Exhibit 1, Exhibit 4).

A survey by the Japan Center for Economic Research shows that private economists forecast an average base-up rate of 3.06% and a total pay increase of 4.74%, putting our estimates above the consensus.

We would note that our forecasts are for Rengo's first-round tabulation of employers' responses to unions' wage demands, and the average figures for pay hikes typically edge down in subsequent rounds. For example, in 2024 the average base-pay increase in the first round of responses was 3.70%, but this was down 0.14ppt to 3.56% by the seventh and final reporting round (Exhibit 5). As we discuss below, we expect the gap between smaller and larger companies to widen in FY25, and forecast a final base-up rate of 3.2-3.3%.



#### Exhibit 4: Shunto base pay revision rate and inflation

Sensitivity of spring wage revisions to inflation is increasing



Source: BofA Global Research, MHLW, MIAC Note: Shunto base pay revision rate is based on results compiled by the MHLW Central Labour Relations Commission. FY25 is Rengo-based wage hikes (BofAe). Inflation data excludes impact of consumption tax hikes.

#### Exhibit 5: Base-up rate by response round in Shunto

Average figures for pay hikes typically edge down in subsequent rounds



### Shunto timeline

The 22 January meeting of Keidanren and Rengo leaders effectively kicked off the FY25 Shunto round, with negotiations set to officially start after Rengo's 6 February general rally.

In the near term, we will be monitoring the momentum of wage hikes from the Shunto talks based on surveys from the Institute of Labour Administration (to be released between end-Jan and early Feb) and Teikoku Databank (late Feb). However, these surveys have not been a particularly good predictor of wage hikes over the past two years, and we therefore await Rengo's compilation of union demands (which we expect on 7 March) and first-round tabulation of responses (which we expect on 14 March, given that most employers will respond on the 12th).

Companies that employ around 50% of Japan's union members will unveil their pay hikes on the 12<sup>th</sup> March, when Shunto responses tend to cluster (these will be reflected in Rengo's first-round tabulation of responses). We will then be watching how the overall picture of the Shunto outcome develops through Rengo's seventh-round tabulation in July. We will also be watching monthly macro wage data (the Monthly Labor Survey), to confirm how Shunto outcomes feed into actual pay growth (Exhibit 14 shows the future timeline for wage-related events).

# Watch whether SMEs keep pace with large firms

One reason why we expect the FY25 Shunto round to result in another substantial jump in wages is the sustained decline in the labor share of income at Japanese firms<sup>1</sup> (Exhibit 6). Particularly at the large manufacturers that dominate the Shunto negotiations, recent years' yen weakness has boosted earnings and depressed the labor share of income (see Yen's decline: Structural drivers and policy responses, 10 July 2024).



<sup>&</sup>lt;sup>1</sup> There are two main approaches to calculate the labor share of income: the first relies on the MoF's Corporate Survey, and the second on the SNA; the latter does not show a clear downtrend, as per Exhibit 6. That said, the labor share of income according to the SNA has also remained consistently low. In this report, we analyze the labor share of income using data by sector and company size from the MoF's Corporate Survey.

However, the labor share (which indicates companies' capacity to raise wages) is diverging by sector and company size; at large companies with capital of ¥100mn or more, it has steadily fallen to around 50%, whereas for small companies capitalized at less than ¥10mn it remains at around 80%. The figure for the services industry is roughly 90% (Exhibit 7).

The BoJ's recent Regional Economic Report (Sakura Report) also includes comments from companies stating that they would "follow suit [with wage increases], even if it requires some strain, in order to secure and retain talent", while others "intend to scale back wage hikes in FY25 as cost pass-throughs fail to keep pace with rising labor costs" (see <u>Shunto update: Union wage hike demands stronger than last year</u>, 9 January). One key focus in the FY25 Shunto will be whether smaller firms can keep pace with larger companies' wage hikes.





### SMEs hesitant to raise base pay, boosting bonuses instead

BofA GLOBAL RESEARCH

Macro wage data shows that a gap between pay hikes at large and small firms was already emerging in FY24. Growth in scheduled cash earnings (base pay) at firms with 30 or more employees accelerated to around 3% YoY, in line with the FY24 Shunto results. In contrast, growth at small firms with 5-29 employees has stayed at roughly 2% (Exhibit 8).

However, there is no major divergence between large and small firms in terms of overall wages, consisting of scheduled cash earnings, bonuses, overtime pay, etc. Smaller firms with a pressing need to secure personnel are cautious about raising scheduled cash earnings given their downward rigidity, but they did pay out much larger one-time bonuses in FY24, supporting substantial growth in overall wages (Exhibit 9; see <u>Wages</u> update: Long-awaited return to positive real wage growth, 6 August 2024).

We think growth in scheduled cash earnings at SMEs is likely to continue trailing large companies in FY25 as rising wages increasingly squeeze their earnings. We therefore expect growth in scheduled cash earnings for all workers to remain at 2.5-3.0%, versus the 3.5% base-up rate we forecast for this year's Shunto (and around 3% in 2H FY24).

Whether or not SMEs increase summer bonuses by a similar amount to 2024 will therefore be key to assessing overall wage growth. We will be monitoring surveys



released around the time summer bonuses are paid (Jun-Jul) and macro wage data to get a read on overall trends in SMEs' wage hikes.

Exhibit 8: General worker's scheduled wage (yoy%, 3mma)

Growth in SMEs' base pay continuing to trail large companies



Exhibit 9: Bonus increase for regular workers in FY24 (yoy%, by firm size in terms of number of employees)





Source: BotA Gl

BofA GLOBAL RESEARCH

# Part-timers' wages: 4%+ growth to continue

We looked above at wages for full-time workers (around 70% of the workforce), but the part-timers who make up the remaining 30% are also key to overall wage trends. Hourly wages for part-time workers are sustaining record-high growth of 4-5% YoY (Exhibit 10), and we expect a similar uptrend to continue over the long term.

### Rapid uptrend in minimum wage to continue

The main drivers of rapid growth in part-time wages are increasingly severe labor shortages and an increase in minimum wage. The government has pledged to raise the minimum wage from ¥1,055 (nationwide weighted average) to ¥1,500 by the mid-2030s (an increase of 3.6% per year), but Prime Minister Shigeru Ishiba is exploring ways to achieve this by 2030 (resulting in 7.3% annual growth). Over the past three years, the government has raised the minimum wage to its highest ever and at a record YoY pace (Exhibit 11; e.g., it raised the minimum wage to an all-time high of ¥1,055 in FY24, an YoY increase of ¥51). We think it will likely aim for another substantial increase in FY25 given its vulnerable political base. Assuming a ¥52 hike (slightly larger YoY increase than 2024), the minimum wage would rise by another 5% YoY.

The government plans to continue raising the minimum wage for at least the next five years, and we expect its aggressive stance toward pay hikes and Japan's increasingly severe labor shortages to support long-term growth of at least 4% per year in part-timers' wages (see  $\frac{1500 \text{ minimum wage shock: Another driver of persistent inflation}}{100 \text{ October 2024}}$ ).

# "Annual income barrier" debate another unknown for labor supply

If the increase in the annual income barrier that the ruling LDP/Komeito coalition has been discussing with the Democratic Party for the People (DPFP) since autumn 2024 comes to pass, this could help ease Japan's shortage particularly of part-time workers. Roughly 3.48mn people (around 15% of non-regular workers) are currently limiting their working hours to stay below the annual income barrier. If a higher barrier resulted in a



10% increase in working hours, this would boost Japan's labor supply by the equivalent of 348,000 people.

However, the outcome of inter-party negotiations is unclear at this point, and they focus only on the annual barrier for income tax. Given that similar barriers exist for residential tax and social insurance, it is unclear how much part-timers would increase their working hours in response to a higher income tax exemption (see <u>Fiscal policy debates</u> <u>deadlocked under minority government</u>, 23 December 2024). With Japan's population falling by 0.5% every year, an increase in the annual income barrier would simply cause the workforce to shrink more slowly for a while, rather than easing the shortage of labor per se. We therefore see growth in part-time wages as unlikely to stall.



Sustaining record-high growth of 4-5% YoY



Source: BofA Global Research, MHLW

BofA GLOBAL RESEARCH

# Exhibit 11: Minimum hourly wage trend (Nationwide, weighted average)

Rapid uptrend in minimum wage to continue



Source: BofA Global Research

BofA GLOBAL RESEARCH

# Macro wage forecasts: Real wage growth to stay just above zero

Based on the above, we revise our macro wage forecasts.

We expect macro wage growth to remain upbeat, on the view that the FY25 Shunto round will deliver strong wage hikes on par with FY24. Shunto outcomes only show up in actual wages at a several-month lag; they have usually fed through at around 50% of companies by late April through early May, and at 90% or more by August (Exhibit 12). However, we expect this year's Shunto to result in pay hikes that are on par with 2024, in contrast to the past two years' substantial YoY increases, and therefore do not see these timing differences as a major issue. We expect the roughly 3% growth in scheduled cash earnings at large companies seen in 2H FY24 to continue in FY25.

However, as noted, we think wage growth at SMEs could slow from around 2% in FY24, resulting in growth of just 2.5-3.0% in overall scheduled cash earnings. We expect overall macro wage growth to stay at 2.5-3.0% YoY, supported by bonuses and part-time wages.

We think real wages will rise slightly YoY as inflation remain stable (Exhibit 2; for our latest inflation forecasts, see <u>Year Ahead 2025</u>: <u>Domestic resilience vs. external risks</u>s, 28 November 2024).



## Gradual spending rebound to support BoJ rate hikes

We expect the shift from a moderate decline in real wages in FY24 to a moderate increase in FY25 to support a gradual recovery in consumer spending. We think real consumer spending will continue increasing by 0.5-1.0% annualized, driven by a gradual uptrend in real employee compensation (Exhibit 13; see <u>Year Ahead 2025: Domestic resilience vs. external risks</u>, 28 November 2024).

This should also support the BoJ's sustained 2% inflation goal, and we expect it to continue gradually raising policy rates while monitoring domestic and overseas conditions. Following its hike from 0.25% to 0.5% at last Friday's January MPM, we expect the BoJ to raise rates again at its meetings in July 2025 (from 0.5% to 0.75%) and January 2026 (from 0.75% to 1.0%), bringing the terminal rate at end-FY25 to 1% (see BoJ review: A 25bp hike, with more to come 24 January 2025).



BofA GLOBAL RESEARCH

# Exhibit 13: Contribution to real household consumption (%YoY, %ppt)

We expect a gradual recovery in consumption, supported by a rise in employee compensation



Source: BofA Global Research, CAO \*Other income includes adjustment for the change in pension entitlements, receivable

BofA GLOBAL RESEARCH

### Exhibit 14: Wage-related timeline for FY25

Shunto is upon us

	Date*	Organization	Event		
22-Jan Keidanren		Keidanren	"Stance on FY25 Shunto" (outlining general negotiating stance)		
end-Jan to early-Fet		Institute for Labor Administration	FY25 Survey on wage increases' with answers from 1) labor unions, 2) management, and 3) experts in the labor market field		
	5-Feb	MHLW	Monthly Labor Survey for December '24		
	6-Feb	Rengo	Rengo kickoff assembly (Shunto start)		
	late Feb	Teikoku Data Bank	Corporate survey on wage developments		
	7-Mar	Rengo	Tabulation of wage demands from member unions		
	10-Mar	MHLW	Monthly Labor Survey for January		
	12-Mar	-	Concentration of Shunto responses		
	14-Mar	Rengo	First response of Shunto results		
	21-Mar	Rengo	Second response of Shunto results		
	7-Apr	MHLW	Monthly Labor Survey for February		
	7-Apr	Rengo	Third response of Shunto results		
	April	BoJ	Publication of Regional Economic Report (Sakura Report)		
	21-Apr	Rengo	Fourth response of Shunto results		
	end-Apr	Central Labor Relations Commission (MHLW)	"Basic Survey on Wage Structure" covers base pay and bonus developments of preceding fiscal year		
	9-May	MHLW	Monthly Labor Survey for March		
	early May	Rengo	Fifth response of Shunto results		

## Exhibit 14: Wage-related timeline for FY25

Shunto is	s upon us
-----------	-----------

Date*	Organization	Event
5-Jun MHLW		Monthly Labor Survey for April
early June	Rengo	Sixth response of Shunto results
7-Jul	MHLW	Monthly Labor Survey for May
early July	Rengo	Seventh (final) response of Shunto results
end-July	MHLW	Announcement of target to raise minimum wage in FY25
6-Aug	MHLW	Monthly Labor Survey for June
mid-August	MHLW	Decision to raise minimum wage in FY25
5-Sep	MHLW	Monthly Labor Survey for July
early-October	MHLW	Increase in minimum wage in FY25
8-Oct	MHLW	Monthly Labor Survey for August

Source: BofA Global Research \*BofA forecasts for undisclosed dates

BofA GLOBAL RESEARCH



## Disclosures Important Disclosures

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 <u>BofA Global Research policies relating to conflicts of interest</u>.

"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 Service Board; 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 Prudentiel et de Résolution (ACPR) 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 Inc, regulated by the Canadian Investment Regulatory Organization; Merrill Lynch (Mexico): 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 International (DIFC Branch), regulated by the Dubai Financial Services Authority (DFSA); Merrill Lynch (Brazil): Merrill Lynch S.A. Corretora de Títulos e 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. 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.

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<sup>®</sup> 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 Al 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. Inve

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.

Japan Viewpoint | 27 January 2025 11