# Cicadian Rhythms: Fading prospects of a US disinflationary boom; Japan's structural reform/M&A emergence; Eye on the Market mailbag on Tesla/Musk, GLPs, housing, China, Truth Social and Meta

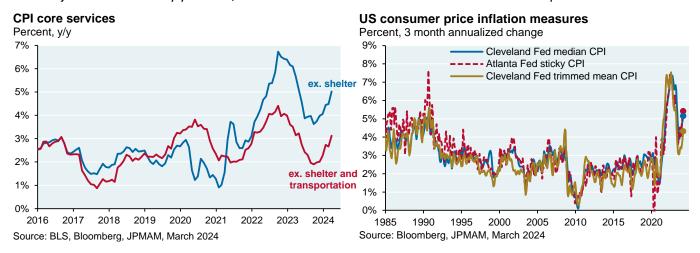
The co-emergence this year of two batches of cicadas (Broods XIII and XIX) is something that happens only once every 221 years. In a similar vein, markets were pricing in a US disinflationary boom earlier this year (rising growth and falling inflation), which is a very rare event as well. One occurred in 1982 and another in 1991 but other than that, they're very infrequent and now its prospects are fading. Resilient US growth is still evident; many of the economic and profit leading indicators we track have improved since last August.

#	Category	Leading indicator	Advanced by	Predicts a change in	Pulse 4/2024	Pulse 8/2023
1	Bankruptcy	Banks tightening C&I loans	6 months	Corporate bankruptcy filings		
2	Capex	Banks tightening C&I loans	9 months	Non-residential capex		
3	Capex	Earnings	3 months	Non-residential capex		
4	Construction	Leading economic indicators	18 months	Construction activity		
5	Economy	New orders less inventories in ISM survey	3 months	ISM manufacturing index		
6	Economy	Interest rates and ISM prices paid	12 months	ISM manufacturing index		
7	Economy	Interest rates, input prices, and US dollar	12 months	Global PMI manufacturing index		
8	Employment	Single family home sales	18 months	US unemployment rate		
9	Lending	Respondents reporting tighter credit standards	9 months	Bank lending		
10	Production	Real inventory-to-sales ratio	4 months	US manufacturing production		
11	Profits	Fed funds, corp. tax rate, unemployment & productivity	8 months	Economy-wide profits		
12	Profits	Economic activity, business confidence, supplier deliveries, wages, inflation, cyclical GDP	12 months	S&P profits		
13	Profits	US\$, PMI, cons. confidence, housing, spreads	12 months	S&P profits		
14	Sales	NFIB pricing survey	4 months	S&P sales growth		
15	Sales	Producer prices finished goods	4 months	S&P sales growth		
16	Wages	Avg. growth in wages advertised in job postings	4 months	Corporate wage expense		
17	Wages	Rehiring rate proxy	12 months	Corporate wage expense		
18	Equities	China credit impulse	9 months	US high beta vs low beta stocks		

Source: Bloomberg, Morgan Stanley, Piper Sandler, JPMAM, April 2024. Weakness projection colors: red = substantial, orange = modest, yellow = slight

#### But: CPI measures have experienced a U-turn since January, driving 10-year Treasury rates back up to ~4.7%.

That's the highest level since the brief 5% peak last October; before that, the summer of 2007 was the last time 10-year Treasury rates were 5%. Most of the March CPI increase was due to non-discretionary items rising at 6% such as medical care, child care, car insurance, wireless fees and items related to the energy transition<sup>1</sup>; discretionary categories rose just 0.6%. The March PPI report was also benign and most labor market indicators still point to slowing wage pressures (see link above for online inflation monitor), but futures markets now assume just 1-2 Fed cuts by year end; even this is at risk based on the next few inflation reports.



<sup>&</sup>lt;sup>1</sup> The energy transition and inflation. Of all 47 categories of core goods in the US PPI report, the highest increase since 2019: transformer equipment at 71%, even though electrification of winter heating and transportation has barely begun. Since 2019, electricity prices increased faster than food prices, commodity prices and core CPI.

## While markets still expect the Fed to ease, there are residual impacts of rising rates affecting consumers.

When rates rise, existing obligations like mortgages and fixed rate auto loans are not immediately impacted. But new credit card balances *are* impacted by higher rates, which may explain why delinquencies for credit cards are rising faster than for mortgages or prime auto loans. The first chart shows credit card financing rates alongside delinquency rates. Most of the rate increase is tied to rising Prime rates, although the CFPB reports an increase in credit card spreads as well. The second chart shows rising credit card balances and a new high in the share of accounts only making minimum credit card payments. **Bottom line: while many leading indicators have improved, lingering pressure on household finances are still a risk to growth.** 

# Credit card interest rates and delinquencies Percent of credit card balances 25% 20% Equal-weighted financing rate on all accounts assessed interest 15% Delinquencies (90+ days) 5%

2012

Source: Federal Reserve, Bloomberg, JPMAM, February 2024

2015

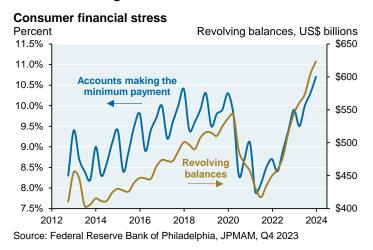
2018

2021

2003

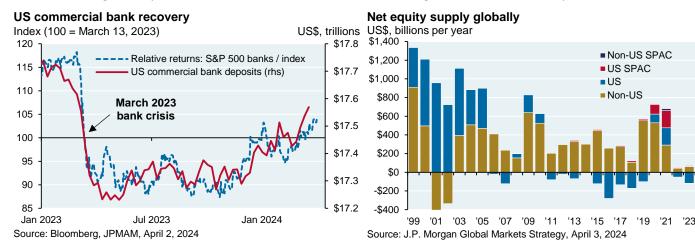
2006

2009



While there's uncertainty about Fed policy rates after the inflation U-turn, other indicators are supportive and should mitigate the duration and magnitude of any equity market selloff. Last year's regional bank bailout stabilized financial system risks, as shown in the next chart. In addition, net equity supply has been tight for three years in a row. It's a strange environment; despite a recovery in risk appetite and high valuations, the new issue market is extremely tight with buybacks exceeding primary and secondary issuance. Tight supply conditions are generally more favorable for market returns, indicating more investor scrutiny on new issues.

2024





"In-A-Cicada-Da-Vida"

Other good news: we also see limited signs of a large profits or capital spending decline that often coincides with recessions. We highlighted the second and third charts last year as we formulated our "Pillow Talk" soft landing thesis. While an inverted yield curve has a pattern of predicting recessions, prior inversions were also accompanied by deeply negative corporate cash flow and rising corporate interest costs. This time, the story is different: the corporate sector is in surplus and corporate interest expense is still stable.

**Wrapping up**: fading prospects of a disinflationary boom are a risk to P/E multiples, particularly for tech stocks whose multiples are close to 2020/2021 highs. And as shown in the fourth chart, investors may hold onto more excess cash since the ratio of cash yields to S&P dividend yields is at its highest level on record other than a spike in 2000. While US equities may experience a correction similar to the one last summer, 2024 still looks like a year of high single-digit returns. That is until the election, after which markets might have to contend with the following risks highlighted by Don Schneider at Piper Sandler Research:

- Trump victory, unified gov't: 60% tariff on Chinese goods (up from 20%-25% currently); repeal of corporate
  AMT and buyback tax combined with increased defense spending and full extension of TCJA tax cuts leads
  to even wider budget deficit; militarized mass deportations impact labor force growth and wage inflation
- **Biden victory, unified gov't**: ~\$2 trillion in tax increases (half corporate, half high net worth) to support \$2 trillion safety net expansion; risk of wider deficit as tax collections undershoot estimates while spending exceeds them (i.e. the pattern with the energy bill<sup>2</sup>, ironically named "the Inflation Reduction Act")

# US economy-wide profits and S&P 500 operating profits Index (100 = January 1995), log scale

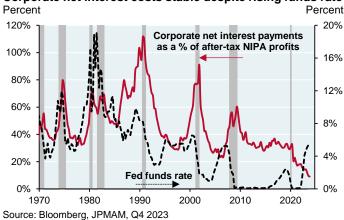


## US corporate sector financial balance

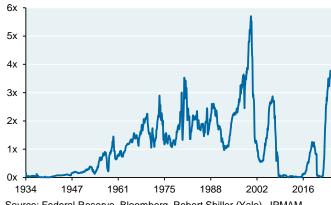




#### Corporate net interest costs stable despite rising funds rate



#### Ratio of cash yields to S&P 500 dividend yields



Source: Federal Reserve, Bloomberg, Robert Shiller (Yale), JPMAM

<sup>&</sup>lt;sup>2</sup> See "Why the Cost of Biden's Climate Law Keeps Going Up", NYT, February 8, 2024, and "The Cost of Biden's Climate Tax Credits is Soaring", WSJ, February 10, 2024

### Eye on the Market mailbag: Tesla/Musk, GLPs, housing, China, Truth Social and Meta's open-source models

Erica G. from a California pension plan asked if there's any news regarding weight loss drugs (**GLPs**) tested for conditions other than diabetes and obesity. As explained in the 2024 Outlook, one key valuation premise for GLP stocks is their eventual use for other conditions. One neutral, one positive with more studies pending:

- GLPs appear to work via brain pathways to reduce inflammation. Some experts speculate that GLPs could
  be used to treat conditions that involve inflammation such as Alzheimer's and Parkinson's. While a study
  of early Parkinson's disease found no degradation of motor symptoms for patients taking GLPs<sup>3</sup>, the placebo
  group barely experienced worsening conditions either (only 3%), so no major breakthroughs here
- More than half of all patients with heart failure experience "preserved pump function" (HFpEF). Previous studies show that GLPs can reduce HFpEF risk but excluded participants with Type 2 diabetes. A recent study of patients with Type 2 diabetes found that GLPs led to larger reductions in HFpEF symptoms than the placebo group after 1 year<sup>4</sup>, so that's a positive finding

Kyle P from Mammoth Lakes asks about **Tesla's** pivot to robotaxis. Musk stated that Tesla will be going "balls to the wall for autonomy", and its Q1 report showed a 7-fold increase in GPU training capacity. Some thoughts:

- San Francisco and Austin are the only major cities where driverless taxis are broadly road-tested with paying customers, and we see no evidence that Tesla has engaged with regulators on this. Also: while Tesla's Level 2 features (steering, lane following and break/acceleration support) reduce accident rates<sup>5</sup>, Level 2 is a long way from Level 5 full self-driving capabilities. Mercedes is actually the first manufacturer to release cars in the US with Level 3 capabilities (self-driving in very limited conditions, in California and Nevada only)
- There has been no recovery in LiDAR stocks (which we would expect if we were on the cusp of greater autonomous taxi adoption), and even Tesla's most ardent fanboys at Morgan Stanley are dubious, urging investor caution on commercialization timelines for a fully autonomous Tesla taxi service<sup>6</sup>
- The Federal government currently limits the number of autonomous vehicles (AVs) in the US at 2,500. The NHTSA proposed increasing this cap and intended to proceed with "AV STEP" rulemaking last fall but missed its deadline; I can guess as to why. Last year, an AV industry lobbying group wrote to Transportation Secretary Buttigieg requesting support for AV development to avoid falling behind China. But a trust gap may exist after California regulators accused GM of withholding video footage of its Cruise driverless vehicle striking a passenger, and more importantly, 26 transportation unions collectively wrote to Buttigieg urging caution given "grave safety concerns" about AVs and risks to public safety (details below)



Index (100 = December 2019) 700 Companies: Aeva, Cepton, 600 Innoviz, Luminar, Microvision, Ouster, Velodyne Lidar 500 400 300 200 100 2022 2023 2024 2021 2020 Source: Bloomberg, JPMAM, April 16, 2024

#### Transportation Unions note to DoT, November 2023

- AVs are unsafe and untenable in current form
- Police/fire have to evade rogue AVs in restricted areas
- Transport/sanitation workers cut off/trapped by AVs
- AV reporting rules should include near-crashes involving AVs travelling into construction sites, bike lanes and pedestrian crossings; and malfunctions, degradations, remote human interventions, clustering and connectivity incidents as well (i.e., not just crashes)
- Local jurisdictions need more input into AV deployment
- "Fail fast, fail hard" approach taken by many technology companies is anathema to public safety

Signed by 26 unions with more than 5 million members (UAW, fire, aviation, rail, marine, sheet metal, Teamsters etc)

<sup>&</sup>lt;sup>3</sup> "Trial of Lixisenatide in Early Parkinson's Disease" NEJM, Meissner et al, April 3, 2024

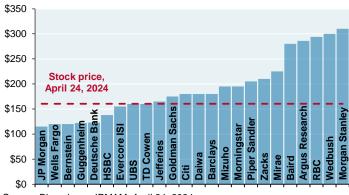
<sup>4 &</sup>quot;Semaglutide in Patients with Obesity-Related Heart Failure and Type 2 Diabetes" NEJM, April 6, 2024

<sup>&</sup>lt;sup>5</sup> 2023 Eye on the Market energy paper, page 45

<sup>&</sup>lt;sup>6</sup> "Tesla plans to lay off more than 10% of workforce", WSJ, April 15, 2024, citing Adam Jonas from MS

In its Q1 earnings release yesterday (which entailed misses vs consensus on sales, EPS and units sold), Tesla announced accelerated development of the new Model 2. I'm not surprised at the revised guidance given the lackluster market reception to the robotaxi announcement, and since its Cybertruck has experienced accelerator jamming which Inside EVs describes as turning the truck into a 6,800 pound land missile<sup>7</sup>. Model 2 production will reportedly benefit from gigacasting that casts large parts of the car's body in one piece (reducing the number of metal pieces from 171 to 2 and requiring 1,600 fewer welds). That would be an impressive feat and could sharply reduce unit costs of production, which will be critical for a vehicle expected to have a ~\$25k price tag. Let's see how quickly Tesla can accelerate development; as of last week, some analysts weren't expecting 500k+Model 2 units until 2026/2027. See below for a sampling of Tesla analyst share price forecasts.

# Select Tesla analyst price targets as of April 24, 2024 US\$ per share



Source: Bloomberg, JPMAM, April 24, 2024

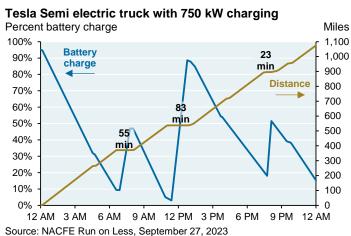
## From the ARKham Asylum

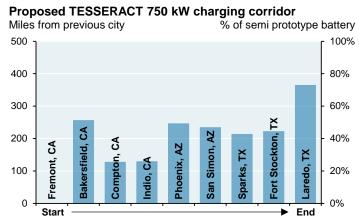
To avoid distorting the chart, I had to leave off ARK's Cathie Wood whose Tesla forecast is \$2,000 per share as per an April 2024 article in Barron's. This would value the company at \$6.3 trillion (the mostly highly valued company on Earth). Wood forecasts \$130 billion in robotaxi pretax earnings by 2027 for a segment which does not exist today.

I reached out to other Arkham Asylum residents for their Tesla forecasts (Clayface, Two-Face and Doctor Phosphorous); no responses yet.

An early-stage Tesla success with less hype: its prototype Class 8 long-haul truck. It's unclear how much it will cost since it's not commercially available yet. It's also unclear if Tesla will prioritize it since its 900 kWh battery is 12x larger than its Model Y battery. That said, I'm impressed by its performance in real-world conditions during a demo event last fall. A few years ago, the dominant narrative on long haul trucking was all about hydrogen due to faster refueling times despite its terrible round-trip efficiency. Advances in charging capabilities have changed that, and the future of low carbon long haul trucking will almost certainly be electric.

As shown below, the Tesla Semi prototype traveled 1,000 miles in a single day on a route for Pepsi in California, requiring three stops for recharging<sup>8</sup>. This is twice the distance of a typical daily long-haul truck route and is positive regarding the future of EV trucking. Tesla may proceed with a 9-station Southwestern truck charging corridor even without Federal funding (part of which the gov't is wasting on hydrogen fueling stations).





Source: Tesla, South Coast Air Quality Mgmt District, JPMAM, March 2024

<sup>&</sup>lt;sup>7</sup> "Tesla cybertruck's stuck accelerator pedal problem creates 6,800 pound land missile", Inside EVs, April 15, 2024

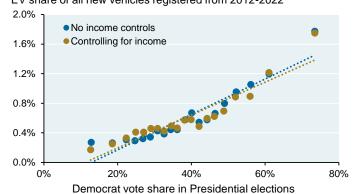
<sup>&</sup>lt;sup>8</sup> Other participants in the NAFCE road test included OrangeEV, Freigntliner, Ford, Volvo, Motiv and Navistar

As for Tesla stock being among the worst performers this year, a WSJ article last week cited something I hadn't seen before<sup>9</sup>: the possible impact of Musk alienating Democratic buyers of Tesla vehicles. Strategic Vision research estimates that the proportion of Democrats buying Tesla vehicles fell by more than 60% last fall before rebounding in March. The decline coincided with a barrage of Musk tweets on a variety of topics including immigration and religion<sup>10</sup>. According to Strategic Vision, some Democratic EV buyers opted instead for a Cadillac Lyriq, Hyundai Ioniq or Mercedes EQE SUV <sup>11</sup>.

Musk has since doubled down on politics, saying in March that "There is either a red wave this November or America is doomed". The reliance of the EV industry on Democratic buyers was analyzed in 2023 by Lucas Davis at UC Berkeley: from 2012 to 2022, ~50% of all EVs went to the 10% most Democratic counties in the US and one-third went to the top 5%<sup>12</sup>. The chart below illustrates the direct relationship between Democratic county vote shares and EV adoption, even after adjusting for income levels.

Musk's tweets take place alongside the evolution of Twitter into what a Foreign Policy magazine article calls a "sewer of disinformation"<sup>13</sup>, and an EU announcement that it suspects Twitter of breaching rules regarding illegal content and disinformation. The chart below appeared in the EU report and shows Twitter having the highest misinformation frequency of social media platforms it analyzed. Twitter also experienced a surge in climate denialism after Musk's acquisition<sup>14</sup>. The big picture amounts to a series of views that appear highly inconsistent with the politics of many Tesla buyers; we will continue to monitor its potential impact on sales.

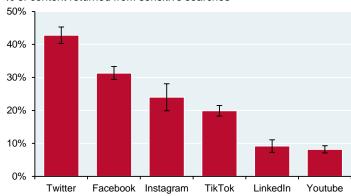
#### EV adoption vs county-level political ideology EV share of all new vehicles registered from 2012-2022



Source: "Political Ideology & US EV Adoption", Haas Energy Institute, Oct 2023

#### Misinformation/disinformation hit rate





Source: "Code of Practice on Disinformation", EU Commission, Sept 2023

- promoting Pizzagate conspiracy theories
- replying to Hillary Clinton after the attack on Paul Pelosi with an article claiming the attack was the result of "a drunk fight with a male prostitute"
- replying in agreement with a tweet claiming that "Jews push dialectical hatred against whites"
- criticizing Mackenzie Bezos for giving money away, saying "super-rich ex-wives will be the downfall of civilization"
- saying that George Soros wants to "erode the very fabric of civilization" and that he "hates humanity"
- saying that his pronouns are "Prosecute/Fauci"
- comparing Canadian PM Trudeau to Hitler, clarifying that at least the latter had a budget
- accusing a British cave diver of being a "pedo guy" since he said Musk's idea of using a submarine to rescue trapped miners wouldn't work. Musk then paid a private investigator \$50k to investigate him

<sup>&</sup>lt;sup>9</sup> "Elon Musk turned Democrats off when he needed them most", WSJ, April 20, 2024

<sup>&</sup>lt;sup>10</sup> According to news reports, **Musk tweets include**:

<sup>&</sup>lt;sup>11</sup> S&P cites Tesla as having 80% market share in 2020, falling to 55% in 2023

<sup>&</sup>lt;sup>12</sup> "Political Ideology and US Electric Vehicle Adoption", Lucas Davis et al, UC Berkeley Haas Institute, October 2023

<sup>&</sup>lt;sup>13</sup> "Elon Musk's Twitter Is Becoming a Sewer of Disinformation", Foreign Policy, Hammond-Errey, July 15, 2023

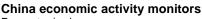
<sup>&</sup>lt;sup>14</sup> Max Falkenberg and Andrea Balonchelli, City University of London, January 2023

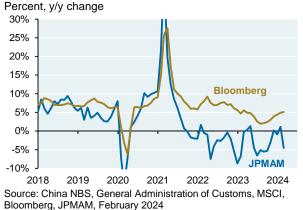
Rachel H from Brooklyn writes, "why are US housing prices stable despite higher interest rates?" US housing inventories are extremely tight whether measured against the pace of sales or against the housing stock. Historically, home prices usually declined only when months of inventory were above 6.0x; they are currently ~3.0x. While existing home sales have declined by ~30% from their pre-COVID pace, falling sales are not always accompanied by falling prices. Existing home sales have since risen 10%-15% despite ~7% mortgage rates.



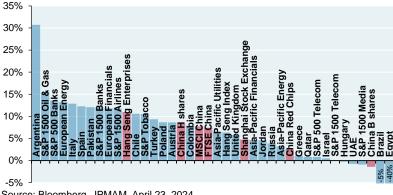
David F from Connecticut asks about China, wanting to know if a 10x P/E is enough of a discount to offer value on China equities and if we expect improvement in China's economy.

- Economy. Some China indicators have risen from depressed levels although our own indicator is still pretty weak<sup>15</sup>. China's real estate situation is still in bad shape with many years of unsold supply, weakening demand and falling prices. Since a lot of government spending is done by local entities relying on land sales, fiscal policy hasn't been very stimulative. Q1 GDP growth was reported at 5.3% but China is experiencing deflation, capacity utilization is falling and inventories are rising
- Markets. In the February EoTM we explained that while China equities were trading at a 10x P/E, there were a lot of equity markets and sectors trading at or below that level; China was not the only deep value market in town. Since February 8, more than half of these non-China deep value equity markets rose more than MSCI China. Deep value categories outperforming China include Argentina, US/European oil & gas, US airlines, Italy, Spain and US/European bank stocks





## Returns of equity markets and sectors with forward P/E ratios below 10x since February 8, 2024



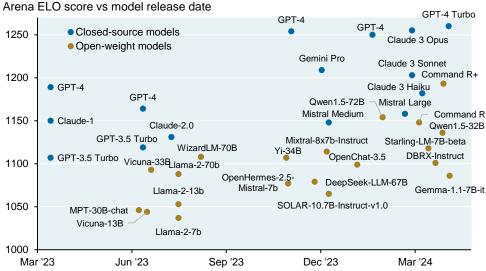
Source: Bloomberg, JPMAM, April 23, 2024

<sup>&</sup>lt;sup>15</sup> Variables included: exports, electricity consumption, industrial production, retail sales, corporate earnings, steel production, non-SOE fixed asset investment, residential construction starts and a credit impulse index

Max C (my oldest son) from Brooklyn writes that **Meta** will release a 400 billion parameter open-source version of Llama 3 in a few weeks/months. Max believes this could make the "buy vs build" language model decision even more compelling for companies with the ability to do the latter. He adds: "Open-source models can be fine-tuned using Llama 3 for specialized domains like finance. Some businesses may prefer the security of not having to make API calls to OpenAI. Even before the Llama 3-400B release, in just one year Meta was able to reduce Llama 3-8B's parameter count by 90% vs Llama 2-70B *and* match its performance. This can improve accessibility of high-quality models running at high speeds on affordable hardware. Training costs for the Llama 3 series is almost certainly in the billions of dollars when taking GPU cluster costs and FLOPs into account".

Meta is apparently spending all of this money for AI engagement on open-source models without an explicit revenue model. As shown, crowd-sourced LLM assessments performance such as Arena ELO measures indicate that the open-source vs closed source performance gap has narrowed. Some research cites a lag of just 6-10 months for open-source models to catch up, compared to years when GPT was first launched.

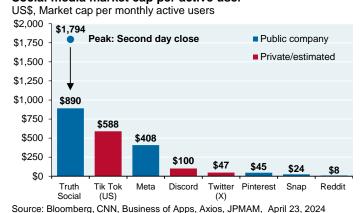
# Closed-source vs open-weight model performance



Source: "Chatbot Arena: An Open Platform for Evaluating LLMs", Chiang et al, JPMAM, April 2024

Last mailbag entry for today: Alex W from MSNBC asked me what I think of **Truth Social's** valuation. My response:

#### Social media market cap per active user



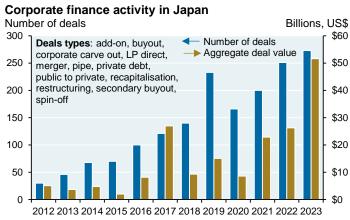
8

### Another cicadian rhythm: the surprising emergence of Japanese structural reforms and M&A activity

The Nikkei 225 Index recently rose to a level last seen in 1989. In other words, it took 34.5 years (twice the underground lifecycle of cicada Brood XIII) for Japanese equities to reach their prior peak; I'm glad I lasted long enough at JP Morgan to witness it. That compares to 25 years for the S&P 500 to reach its prior peak after 1929, and 15 years for the NASDAQ to reach its prior peak after 1999. From 1991 to 2022, the annual return on the Nikkei 225 was just 1.6%; you would have made more in US Treasury bills which generated a return of 2.5%. Nikkei returns were anemic compared to annual returns of 9.6% on US equities; after compounding, cumulative US equity returns were 68x higher than the Nikkei over this period.

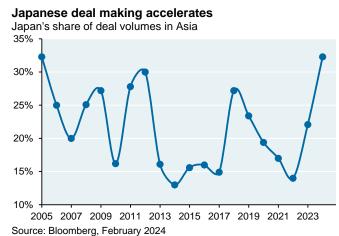
Despite the dismal history for global equity investors in Japan, I started writing about its potential merits last year given a rebirth in Japanese M&A and corporate governance. Before 2022, I cannot remember meeting anyone who said "Hi. I work in private equity focused on unlocking shareholder value in Japanese companies. Nice to meet you". That's changing as shown in the first two charts below. As per the third chart, Japan's free cash flow over the last two decades was not that different from the US; low valuations on Japanese equities were more a reflection of how cash was mostly accumulated rather than being used to enhance shareholder value. That's why Japanese M&A is such an important signal for global equity investors.

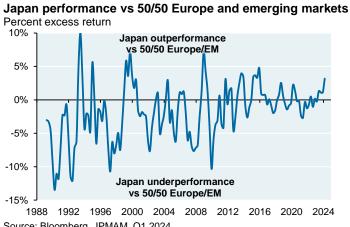
Have portfolio investors benefitted from re-embracing Japan? Nothing has outperformed US equities in recent years, but over the last 18 months Japan outperformed a combination of Europe and Emerging Markets even after accounting for the decline in the Yen, which is at its lowest level since the early 1990's. To be clear, Japan P/Es are not cheap anymore; they have risen from 12.2x in September 2022 to 17.0x.





#### Free cash flow yield Percent 12% 11% MSCI Japan 10% MSCI US 9% 8% 7% 6% 5% 4% 3% 2% 1% 0% -1% 2006 2009 2012 2015 2018 2021 2024 Source: Bloomberg, JPMAM, March 2024





### Some positive governance changes and other developments I mentioned last year.

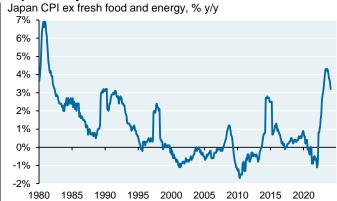
- As shown in the table, there's room for Japan to "equitize" further. The exit from deflation has made cash less attractive vs equities for Japanese pensions and households (real short-term rates are -2%)
- The Tokyo Stock Exchange has threatened to delist companies trading below book value unless they enact governance reforms. Bloomberg also reports a decline in the number of poison pills in Nikkei 225 companies from 65 in 2012 to 8 as of April 2024. Over 50 activist funds are prodding the Japanese corporate sector with governance proposals, and the share of companies with more than 50% independent external directors has risen from 30% to 60%
- There are tax incentives for households to increase equity allocations, and there's pressure on Japanese pensions to align equity allocations higher to match the Government Pension Investment Fund. Japan has the highest share of age 65+ retirees in the world at 28%, creating incentives for the Japanese government to increase returns on retiree equity portfolios

Room for Japan	to "equitize"
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	US	Japan
10 year dividend payout ratio	70%	30%
Cash % of market capitalization	7%	21%
Share of companies trading below book value	4%	50%
Corporate buybacks as % of market capitalization	2.0% - 3.5%	0.7% - 1.4%
Household equity allocation	40%	11%
Pension equity allocation	40%	25%
Household cash allocation	15%	55%

Source: Bridgew ater, JPMAM, December 2023

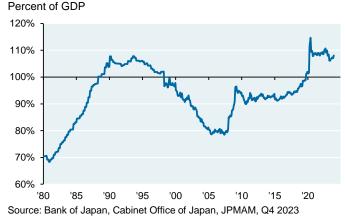
#### Japan finally exits deflation



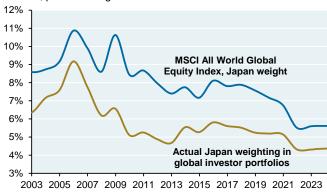
Source: Bloomberg, JPMAM, February 2024

To be clear, Japan is still a slow-growing economy with demographic and competitive pressures. Growth in 2023 was still dominated by exports rather than by domestic consumption, its industrial production growth is not much different than Europe, and China has eclipsed Japan as the world's largest auto exporter. According to the Bank of Japan, the country's potential growth rate is still less than 1% due in large part to unfavorable demographics. And rising rates combined with a falling Yen could be a big problem for the country with the world's highest debt/GDP ratio. But an exit from years of deflation is a powerful force; Japanese aggregate demand is rising, as seen in the rise in loan demand relative to GDP. While Japanese equities are not as cheap as they were last year, and while global investor underweights to Japan have also narrowed (second chart), we believe that Japan still offers attractive return prospects for global investors compared to Europe and EM.

# Japan bank loans as a percent of GDP



# **Global investor underweight to Japanese stocks**Percent, portfolio weight



Source: JP Morgan Securities Japan, JPMAM, Q1 2024

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2024 Outlook / 2024 energy paper / US inflation monitor / US Federal debt monitor

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