

Economic Research Note

US: What's the latest with the Fed's framework review?

- **The Fed's monetary policy framework review should be completed in less than six months**
- **The review of communications and tools appears unlikely to produce any important changes**
- **The review of strategies, however, could pave the way for the Fed to move to flexible inflation averaging**
- **Whether such a change of strategies will impact monetary policy in 2020 is a tougher call**

Fed officials continue to reiterate that the first ever policy framework review is likely to be concluded by the end of the first half of the year. This review focused on three areas for consideration: strategies, tools, and communications. We believe the first of these—strategies—is the most meaningful for the conduct of monetary policy. Our longstanding expectation is that the strategy review would result in a shift from flexible inflation targeting—the current strategy—to a fuzzy version of average inflation targeting (see our notes [here](#) and [here](#)).

We believe recent Fed communications are consistent with expectations. For example, last month Fed Governor Brainard gave a speech endorsing this strategy, which she dubbed “flexible inflation averaging.” Whether the completion of the review will have any implications for the conduct of monetary policy this year is an open question that we discuss later in this note. Before doing that, we briefly take stock of the framework review and of the motivation for flexible inflation averaging.

A time to reflect

The framework review was first announced in November 2018. A primary motivation for the review has been the decline in the neutral rate of interest, which means that the Fed will likely be constrained by the effective lower bound on nominal interest rates the next time the economy enters recession. At the outset, it was made clear that raising the inflation target wouldn't be considered and that negative interest rates were prejudged to be inappropriate for the US. Issues related to the implementation framework—e.g., the optimal level of reserves, the appropriate short-term interest rate to target, the long-run composition of the Fed's portfolio of securities—are being considered on a separate track and are outside the purview of the framework review.

As mentioned above, the review is focusing on strategies, tools, and communications. We take up these topics in reverse order starting with communications, the review topic about which Fed officials have said the least. Chair Powell mentioned that one of the important communication devices to be reviewed is the dot plot. When the Fed was still at near-zero interest rates, the dot plot was useful in underscoring the strong consensus on the Committee supporting a low-for-long policy. After liftoff, the purpose of the dot plot is less clear. Even so, Fed officials seem to have a strange attachment to the dot plot and appear to believe that discarding it would be a step back in transparency. Thus, we don't expect much to come out of the review of communications.

The tools that the Fed are examining are the ones used at the effective lower bound—asset purchases and enhanced forward guidance—as well as one tool they didn't use, yield curve targeting. The conclusions reached so far would not surprise observers of the Fed in recent years: Fed officials believe the asset purchases and forward guidance worked in providing meaningful stimulus when short-term interest rates were constrained by the lower bound, and they did so without noticeable adverse side effects. The opinions on yield curve targeting have been mixed.

It's not clear what to make of the review of the toolkit as it has merely reinforced the findings of the econometric studies of these tools. A cynic might view this as the Fed's self-congratulatory look back on the past decade. However, many Fed officials have also caveated these findings by noting that long-term interest rates are likely to be very low going into the next recession, thereby limiting the ability of asset purchases and forward guidance to lower them further and thereby provide material support to the economy.

From AIT to FIA...

Unlike the review of tools and communications, the review of strategies has the potential to change how policy is conducted and the future decisions of the FOMC. The strategy review has been delimited to a consideration of whether it would be useful to adopt a “makeup” strategy and, if so, which one. As the name suggests, a makeup approach to monetary policy seeks to make up past deviations of inflation from the 2% target. This is in contrast to the current strategy, in which “bygones are bygones,” past inflation developments don't matter for the setting of current policy.

A principal motivation for considering makeup strategies is that an extended period of below-target inflation—like the one we have been experiencing—could lower inflation expectations. This, in turn, should lower nominal neutral interest rates. The lower the nominal neutral interest rate, the closer it

is to the effective lower bound, implying that the Fed will have less scope to cut interest rates in the next downturn. In short: Japanification.

Makeup strategies seek to prevent this from happening. If a period of below-target inflation is followed by a period of above-target inflation, then inflation expectations are less likely to drift lower after an adverse shock to the economy, thereby short-circuiting the Japanification loop. Makeup strategies come in several forms, such as price level targeting, temporary price-level targeting, average inflation targeting, and nominal income targeting. We discuss the differences and similarities of these strategies in the note linked [here](#). As we also observed in that note, average inflation targeting is the least revolutionary change relative to the current strategy.

We believe the Fed is leaning in this direction. The expected vague or flexible nature of such an average inflation target is meant to be realistic about situations where a mechanistic approach would risk de-anchoring inflation expectations to the upside or fostering financial instability. As mentioned earlier, Governor Brainard explicitly stated her preference for this policy, and several other Fed officials have spoken approvingly of such an approach. If this comes to pass, the change could be as simple as altering the phrase in the Statement on Longer-Run Goals and Monetary Policy Strategy that reads “The Committee reaffirms its judgement that inflation at the rate of 2 percent . . . is most consistent with the Federal Reserve’s statutory mandate” by adding the phrase “on average” or “on average over the business cycle.”

...and back to what people care about

Upon adoption, would this have any immediate implication for monetary policy? Let’s examine the case for and against.

The case for action rests on the idea that if the Fed changes its strategy it should align that strategy with the proper policy. If the current setting of policy (a funds rate target of 1.5-1.75%) is appropriate for the current policy strategy (flexible inflation targeting), then it’s unlikely that the same policy setting would also be appropriate for a different strategy (flexible inflation averaging).

Moreover, a change in strategy may require a change in actions to be viewed as credible by the public. For example, shortly after the Bank of Japan raised the inflation target to 2% (obviously, not a perfect parallel to adopting flexible inflation averaging) they implemented qualitative and quantitative monetary easing (or QQE). One might scoff at holding up the BoJ as a paragon, but a recent [Fed study](#) found that BoJ’s target increase (followed up with action) was a success in economic activity terms and a partial success in inflation terms.

The case against action rests on the belief that monetary policy is already accommodative and so over time should foster above-trend economic growth that will gradually exert upward pressure on inflation. In particular, the policy target range of 1.5-1.75% is below the median Committee participant’s estimate of the neutral rate, which is 2.5%. While this isn’t stimulative enough to push the estimate of inflation above 2.0% in the median inflation forecast in the FOMC’s Summary of Economic Projections, by 2022 it does push the central tendency of the core inflation forecast to 2.0-2.2%, thereby indicating a sense that the current policy setting could eventually engender a modest inflation overshoot consistent with flexible inflation averaging.

An additional reason that some FOMC participants have for not acting (but which will not be discussed in the Board Room) is the desire to duck and cover during an election year. This may be particularly true in a year in which economic activity—which is what most people really care about—appears to be doing fine. Additional stimulus to foster an overshoot could be delivered after the election. After all, even the BoJ did not roll out QQE until three months after raising their inflation target.

As we have weighed the merits of these arguments, we judged that the case for action was stronger. However, the recent communications from the FOMC indicate that most on the Committee are *very* comfortable with keeping policy on hold, and so we recognize there is a strong risk that policy rates are unchanged over the course of 2020.

Analysts' Compensation: The research analysts responsible for the preparation of this report receive compensation based upon various factors, including the quality and accuracy of research, client feedback, competitive factors, and overall firm revenues.

Other Disclosures

J.P. Morgan is a marketing name for investment banking businesses of JPMorgan Chase & Co. and its subsidiaries and affiliates worldwide.

Any data discrepancies in this report could be the result of different calculations and/or adjustments.

Any long form nomenclature for references to China; Hong Kong; Taiwan; and Macau within this research report are Mainland China; Hong Kong SAR, China; Taiwan, China; Macau SAR, China.

Private Bank Clients: Where you are receiving research as a client of the private banking businesses offered by JPMorgan Chase & Co. and its subsidiaries ("J.P. Morgan Private Bank"), research is provided to you by J.P. Morgan Private Bank and not by any other division of J.P. Morgan, including but not limited to the J.P. Morgan corporate and investment bank and its research division.

Legal entity responsible for the production of research: The legal entity identified below the name of the Reg AC research analyst who authored this report is the legal entity responsible for the production of this research. Where multiple Reg AC research analysts authored this report with different legal entities identified below their names, these legal entities are jointly responsible for the production of this research.

Legal Entities Disclosures

U.S.: JPMS is a member of NYSE, FINRA, SIPC and the NFA. JPMorgan Chase Bank, N.A. is a member of FDIC. **Canada:** J.P. Morgan Securities Canada Inc. is a registered investment dealer, regulated by the Investment Industry Regulatory Organization of Canada and the Ontario Securities Commission and is the participating member on Canadian exchanges. **U.K.:** JPMorgan Chase N.A., London Branch, is authorised by the Prudential Regulation Authority and is subject to regulation by the Financial Conduct Authority and to limited regulation by the Prudential Regulation Authority. Details about the extent of our regulation by the Prudential Regulation Authority are available from J.P. Morgan on request. J.P. Morgan Securities plc (JPMS plc) is a member of the London Stock Exchange and is authorised by the Prudential Regulation Authority and regulated by the Financial Conduct Authority and the Prudential Regulation Authority. Registered in England & Wales No. 2711006. Registered Office 25 Bank Street, London, E14 5JP. **Germany:** This material is distributed in Germany by J.P. Morgan Securities plc, Frankfurt Branch which is regulated by the Bundesanstalt für Finanzdienstleistungsaufsicht and also by J.P. Morgan AG (JPM AG) which is a member of the Frankfurt stock exchange and is regulated by the Federal Financial Supervisory Authority (BaFin), JPM AG is a company incorporated in the Federal Republic of Germany with registered office at Taunustor 1, 60310 Frankfurt am Main, the Federal Republic of Germany. **South Africa:** J.P. Morgan Equities South Africa Proprietary Limited is a member of the Johannesburg Securities Exchange and is regulated by the Financial Services Board. **Hong Kong:** J.P. Morgan Securities (Asia Pacific) Limited (CE number AAJ321) is regulated by the Hong Kong Monetary Authority and the Securities and Futures Commission in Hong Kong and/or J.P. Morgan Broking (Hong Kong) Limited (CE number AAB027) is regulated by the Securities and Futures Commission in Hong Kong. JP Morgan Chase Bank, N.A., Hong Kong is organized under the laws of U.S.A. with limited liability. **Korea:** This material is issued and distributed in Korea by or through J.P. Morgan Securities (Far East) Limited, Seoul Branch, which is a member of the Korea Exchange (KRX) and is regulated by the Financial Services Commission (FSC) and the Financial Supervisory Service (FSS). **Australia:** J.P. Morgan Securities Australia Limited (JPMSAL) (ABN 61 003 245 234/AFS Licence No: 238066) is regulated by ASIC and is a Market, Clearing and Settlement Participant of ASX Limited and CHI-X. **Taiwan:** J.P. Morgan Securities (Taiwan) Limited is a participant of the Taiwan Stock Exchange (company-type) and regulated by the Taiwan Securities and Futures Bureau. **India:** J.P. Morgan India Private Limited (Corporate Identity Number - U67120MH1992FTC068724), having its registered office at J.P. Morgan Tower, Off. C.S.T. Road, Kalina, Santacruz - East, Mumbai - 400098, is registered with Securities and Exchange Board of India (SEBI) as a 'Research Analyst' having registration number INH000001873. J.P. Morgan India Private Limited is also registered with SEBI as a member of the National Stock Exchange of India Limited and the Bombay Stock Exchange Limited (SEBI Registration Number - INZ000239730) and as a Merchant Banker (SEBI Registration Number - MB/TNM000002970). Telephone: 91-22-6157 3000, Facsimile: 91-22-6157 3990 and Website: www.jpmipl.com. For non local research reports, this material is not distributed in India by J.P. Morgan India Private Limited. **Thailand:** This material is issued and distributed in Thailand by JPMorgan Securities (Thailand) Ltd., which is a member of the Stock Exchange of Thailand and is regulated by the Ministry of Finance and the Securities and Exchange Commission and its registered address is 3rd Floor, 20 North Sathorn Road, Silom, Bangkok, Bangkok 10500. **Indonesia:** PT J.P. Morgan Sekuritas Indonesia is a member of the Indonesia Stock Exchange and is regulated by the OJK a.k.a. BAPEPAM LK. **Philippines:** J.P. Morgan Securities Philippines Inc. is a Trading Participant of the Philippine Stock Exchange and a member of the Securities Clearing Corporation of the Philippines and the Securities Investor Protection Fund. It is regulated by the Securities and Exchange Commission. **Brazil:** Banco J.P. Morgan S.A. is regulated by the Comissão de Valores Mobiliários (CVM) and by the Central Bank of Brazil. **Mexico:** J.P. Morgan Casa de Bolsa, S.A. de C.V., J.P. Morgan Grupo Financiero is a member of the Mexican Stock Exchange and authorized to act as a broker dealer by the National Banking and Securities Exchange Commission. **Singapore:** This material is issued and distributed in Singapore by or through J.P. Morgan Securities Singapore Private Limited (JPMSS) [MCI (P) 058/04/2019 and Co. Reg. No.: 199405335R], which is a member of the Singapore Exchange Securities Trading Limited and/or JPMorgan Chase Bank, N.A., Singapore branch (JPMCB Singapore) [MCI (P) 070/09/2019], both of which are regulated by the Monetary Authority of Singapore. This material is issued and distributed in Singapore only to accredited investors, expert investors and institutional investors, as defined in Section 4A of the Securities and Futures Act, Cap. 289 (SFA). This material is not intended to be issued or distributed to any retail investors or any other investors that do not fall into the classes of "accredited investors," "expert investors" or "institutional investors," as defined under Section 4A of the SFA. Recipients of this document are to contact JPMSS or JPMCB Singapore in respect of any matters arising from, or in connection with, the document. **Japan:** JPMorgan Securities Japan Co., Ltd. and JPMorgan Chase Bank, N.A., Tokyo Branch are regulated by the Financial Services Agency in Japan. **Malaysia:** This material is issued and distributed in Malaysia by JPMorgan Securities (Malaysia) Sdn Bhd (18146-X) which is a Participating Organization of Bursa Malaysia Berhad and a holder of Capital Markets Services License issued by the Securities Commission in Malaysia. **Pakistan:** J. P. Morgan Pakistan Broking (Pvt.) Ltd is a member of the Karachi Stock Exchange and regulated by the Securities and Exchange Commission of Pakistan. **Dubai:** JPMorgan Chase Bank, N.A., Dubai Branch is regulated by the Dubai Financial Services Authority (DFSA) and its registered address is Dubai International Financial Centre - Building 3, Level 7, PO Box 506551, Dubai, UAE. **Russia:** CB J.P. Morgan Bank International LLC is regulated by the Central Bank of Russia. **Argentina:** JPMorgan Chase Bank Sucursal Buenos Aires is regulated by Banco Central de la República Argentina ("BCRA" - Central Bank of Argentina) and Comisión Nacional de Valores ("CNV" - Argentinian Securities Commission")

Country and Region Specific Disclosures

U.K. and European Economic Area (EEA): Unless specified to the contrary, issued and approved for distribution in the U.K. and the EEA by JPMS plc. In-

vestment research issued by JPMS plc has been prepared in accordance with JPMS plc's policies for managing conflicts of interest arising as a result of publication and distribution of investment research. Many European regulators require a firm to establish, implement and maintain such a policy. Further information about J.P. Morgan's conflict of interest policy and a description of the effective internal organisations and administrative arrangements set up for the prevention and avoidance of conflicts of interest is set out at the following link <https://www.jpmorgan.com/jpmpdf/1320742677360.pdf>. This report has been issued in the U.K. only to persons of a kind described in Article 19 (5), 38, 47 and 49 of the Financial Services and Markets Act 2000 (Financial Promotion) Order 2005 (all such persons being referred to as "relevant persons"). This document must not be acted on or relied on by persons who are not relevant persons. Any investment or investment activity to which this document relates is only available to relevant persons and will be engaged in only with relevant persons. In other EEA countries, the report has been issued to persons regarded as professional investors (or equivalent) in their home jurisdiction. **Australia:** This material is issued and distributed by JPMSAL in Australia to "wholesale clients" only. This material does not take into account the specific investment objectives, financial situation or particular needs of the recipient. The recipient of this material must not distribute it to any third party or outside Australia without the prior written consent of JPMSAL. For the purposes of this paragraph the term "wholesale client" has the meaning given in section 761G of the Corporations Act 2001. J.P. Morgan's research coverage universe spans listed securities across the ASX All Ordinaries index, securities listed on offshore markets, unlisted issuers and investment products which Research management deem to be relevant to the investor base from time to time. J.P. Morgan seeks to cover companies of relevance to the domestic and international investor base across all GIC sectors, as well as across a range of market capitalisation sizes. **Germany:** This material is distributed in Germany by J.P. Morgan Securities plc, Frankfurt Branch which is regulated by the Bundesanstalt für Finanzdienstleistungsaufsicht. **Korea:** This report may have been edited or contributed to from time to time by affiliates of J.P. Morgan Securities (Far East) Limited, Seoul Branch. **Singapore:** As at the date of this report, JPMSS is a designated market maker for certain structured warrants listed on the Singapore Exchange where the underlying securities may be the securities discussed in this report. Arising from its role as designated market maker for such structured warrants, JPMSS may conduct hedging activities in respect of such underlying securities and hold or have an interest in such underlying securities as a result. The updated list of structured warrants for which JPMSS acts as designated market maker may be found on the website of the Singapore Exchange Limited: <http://www.sgx.com>. In addition, JPMSS and/or its affiliates may also have an interest or holding in any of the securities discussed in this report – please see the Important Disclosures section above. For securities where the holding is 1% or greater, the holding may be found in the Important Disclosures section above. For all other securities mentioned in this report, JPMSS and/or its affiliates may have a holding of less than 1% in such securities and may trade them in ways different from those discussed in this report. Employees of JPMSS and/or its affiliates not involved in the preparation of this report may have investments in the securities (or derivatives of such securities) mentioned in this report and may trade them in ways different from those discussed in this report. **Taiwan:** Research relating to equity securities is issued and distributed in Taiwan by J.P. Morgan Securities (Taiwan) Limited, subject to the license scope and the applicable laws and the regulations in Taiwan. According to Paragraph 2, Article 7-1 of Operational Regulations Governing Securities Firms Recommending Trades in Securities to Customers (as amended or supplemented) and/or other applicable laws or regulations, please note that the recipient of this material is not permitted to engage in any activities in connection with the material which may give rise to conflicts of interests, unless otherwise disclosed in the "Important Disclosures" in this material. **India:** For private circulation only, not for sale. **Pakistan:** For private circulation only, not for sale. **New Zealand:** This material is issued and distributed by JPMSAL in New Zealand only to "wholesale clients" (as defined in the Financial Advisers Act 2008). The recipient of this material must not distribute it to any third party or outside New Zealand without the prior written consent of JPMSAL. **Canada:** This report is distributed in Canada by or on behalf of J.P.Morgan Securities Canada Inc. The information contained herein is not, and under no circumstances is to be construed as an offer to sell securities described herein, or solicitation of an offer to buy securities described herein, in Canada or any province or territory thereof. The information contained herein is under no circumstances to be construed as investment advice in any province or territory of Canada and is not tailored to the needs of the recipient. **Dubai:** This report has been distributed to persons regarded as professional clients or market counterparties as defined under the DFSA rules. **Brazil:** Ombudsman J.P. Morgan: 0800-7700847 / ouvidoria.jp.morgan@jpmorgan.com.

General: Additional information is available upon request. Information has been obtained from sources believed to be reliable but JPMorgan Chase & Co. or its affiliates and/or subsidiaries (collectively J.P. Morgan) do not warrant its completeness or accuracy except with respect to any disclosures relative to JPMS and/or its affiliates and the analyst's involvement with the issuer that is the subject of the research. All pricing is indicative as of the close of market for the securities discussed, unless otherwise stated. Opinions and estimates constitute our judgment as of the date of this material and are subject to change without notice. Past performance is not indicative of future results. This material is not intended as an offer or solicitation for the purchase or sale of any financial instrument. The opinions and recommendations herein do not take into account individual client circumstances, objectives, or needs and are not intended as recommendations of particular securities, financial instruments or strategies to particular clients. The recipient of this report must make its own independent decisions regarding any securities or financial instruments mentioned herein. JPMS distributes in the U.S. research published by non-U.S. affiliates and accepts responsibility for its contents. Periodic updates may be provided on companies/industries based on company specific developments or announcements, market conditions or any other publicly available information. Clients should contact analysts and execute transactions through a J.P. Morgan subsidiary or affiliate in their home jurisdiction unless governing law permits otherwise.

"Other Disclosures" last revised January 01, 2020.

Copyright 2020 JPMorgan Chase & Co. All rights reserved. This report or any portion hereof may not be reprinted, sold or redistributed without the written consent of J.P. Morgan.