

HENRY COOK
Europe Economist

Economic Research Office

T: +44 (0)20 7577 1591

E: henry.cook@uk.mufg.jp

MUFG BANK, LTD.

A member of MUFG, a global financial group

The risk of recession has increased

11 April 2022

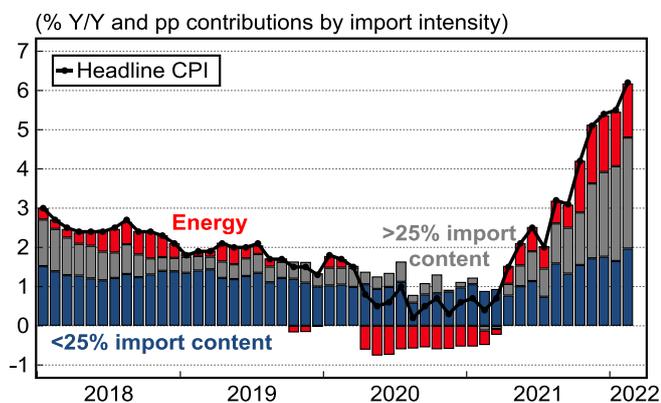
UK monthly growth fell to just 0.1% M/M in February. This slowdown predates the conflict in Ukraine which will add pressure on consumers by intensifying and prolonging inflationary pressures. Households were already faced with the prospect of a serious squeeze to real disposable incomes as energy costs have jumped and government support remains limited. Ordinarily, this would point to a downturn for the UK economy, but post-pandemic rebound effects, especially in services, will provide some support to growth. However, we think it is likely that the UK economy will still experience at least one quarter of contraction in 2022 as consumers are forced to rein in spending.

Inflationary pressures have intensified

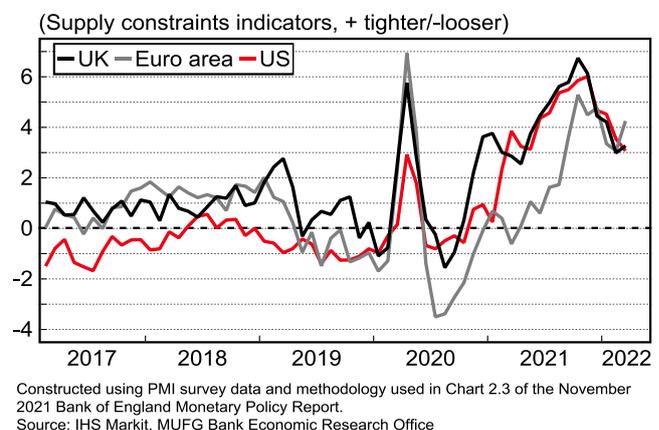
UK households are facing soaring living costs. Headline UK CPI has already reached 6.2% in March, the highest rate for three decades, and it will move significantly higher in April. The UK's consumer energy price cap, which is updated every six months based mostly on wholesale energy costs, increased by 54% on 1 April. This means 22 million households are faced with a typical annual increase of 700 GBP.

The price cap system means that the April surge in inflation has been long expected (the increase was announced in February based on a 6-month reference period), but the conflict in Ukraine is pushing inflation even higher, most immediately through the energy channel. Brent oil prices have moderated since the beginning of the conflict, yet the spot price remains at around an 8-year high. The effect at UK pumps is clear: petrol prices have increased by around 8.5% since the end of February, even accounting for the 5p/litre reduction in fuel duty announced on 24 March. Food price inflation is also set to move higher, albeit with some lag, on the back of conflict-related disruption and higher fertiliser costs over the coming months.

INFLATION MOSTLY DRIVEN BY EXTERNAL FACTORS



SUPPLY BOTTLENECKS MAY WORSEN AGAIN



The impact on the CPI from higher wholesale gas prices will also be felt further ahead due to the price cap system. We are currently pencilling in a further 25% increase in the price cap which will come into effect in October. This is not as high as we had previously assumed, but still means a ‘twin peaks’ scenario of price cap-driven surges in UK inflation this year with energy fanning the flames again in autumn when inflation in other components may just be starting to moderate. **We now expect UK inflation to approach 9% in April and to average around 7% this year.**

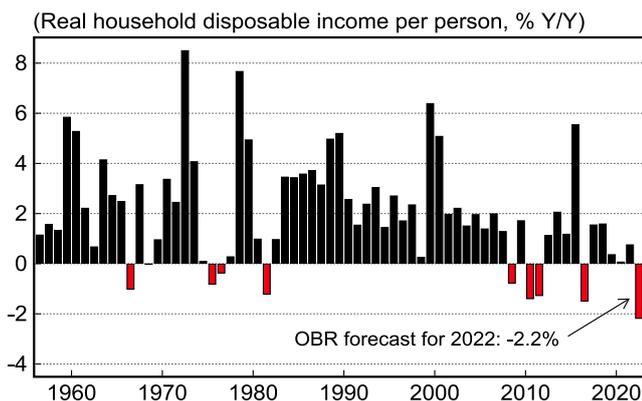
However, unlike in the US, UK inflation remains mostly supply-side driven and there are relatively few signs of second-round effects. Most crucially, there has still been only limited evidence of any wage/price spiral action. CPI inflation has been over 4% since October, but survey data suggests negotiated wages rose by just 3% in the three months to February across the economy as a whole (although pay growth is higher in sectors that have experienced worker shortages, such as hospitality). With the UK economy facing a significant demand squeeze over coming quarters, and tighter monetary policy also working to suppress wage growth and employment, the trend towards a tighter labour market seen through 2021 is unlikely to continue. **We expect the unemployment rate will edge higher by the end of the year.**

So, while the conflict in Ukraine is likely to mean higher inflation for longer, a significant upward shift in the longer-term outlook still feels unlikely. Indeed, base effects and a reversal of price rises in energy and commodities are likely to result in headline inflation falling quickly by next year. We currently forecast CPI inflation to average around 3% in 2023 and just 1.5% in 2024.

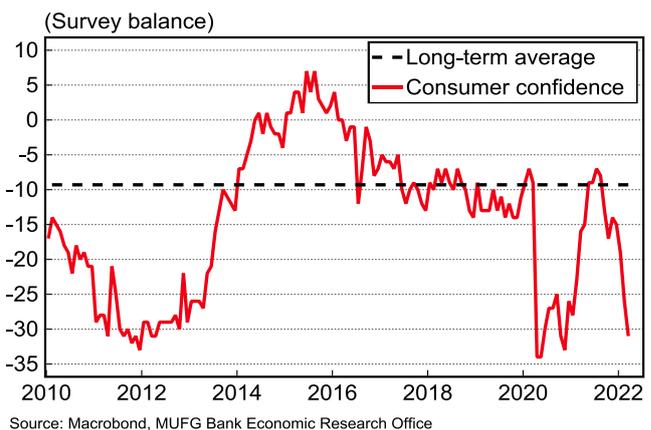
The big squeeze on households

Inflation may eventually moderate but the short-term outlook means that the UK economy is heading into one of the most severe cost-of-living crises seen for many years. The OBR (the UK’s independent fiscal watchdog) estimates that per capita real income will fall by 2.2% in 2022. This would be the steepest fall on record. Consumer confidence has already fallen towards the lows seen during the pandemic and we would expect it to deteriorate further as rising living costs begin to bite.

HOUSEHOLDS FACING A HISTORICAL INCOME SQUEEZE



CONSUMER CONFIDENCE APPROACHING 2020 LOWS

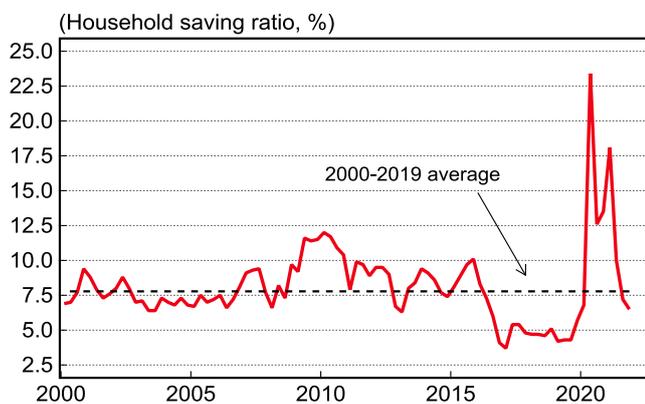


The government response to the surge in living costs has been a little underwhelming so far. Measures include a council tax rebate of 150 GBP for most households and a mechanism in October to spread out 200 GBP of energy costs.

Tax rises announced last autumn also came into effect this month. The most notable change is a 1.25pp increase in National Insurance (NI). The chancellor announced some relief through a higher threshold, which will see a net reduction in NI payments for those earning around the median salary or lower, but this will not come into force

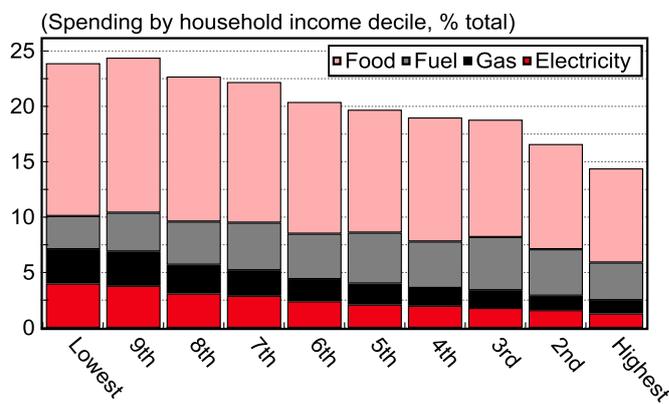
until July. Even then, an assessment by the OBR suggests new measures will offset just one sixth of the net tax rises introduced since 2020. The OBR also estimates the tax-to-GDP ratio will rise to 36.3% – the highest ratio since the 1940s – as income tax thresholds are not increased in line with inflation, pushing more workers into higher tax bands.

HOUSEHOLD SAVINGS ACCUMULATED DURING THE PANDEMIC WILL PROVIDE SOMETHING OF A BUFFER



Source: ONS, MUFG Bank Economic Research Office

LOWER INCOME HOUSEHOLDS MOST AFFECTED BY FOOD AND ENERGY INFLATION



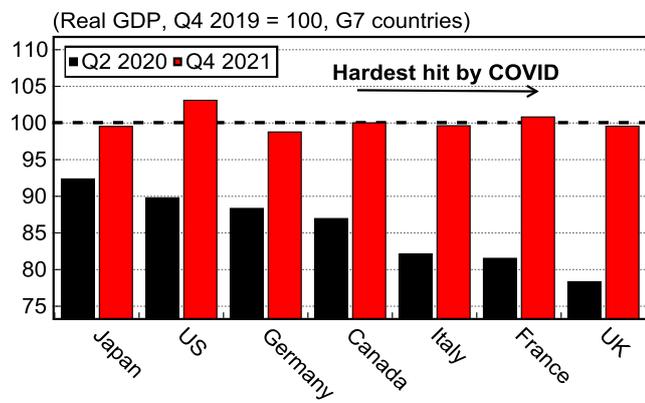
Source: ONS, MUFG Bank Economic Research Office

Other policy changes will support the economy: the minimum wage has increased by 6.6% in April which means an automatic income boost for around 2m employees. However, lower-income households are still the ones most likely to feel an acute pinch on disposable as they have most exposure to price pressures on food and fuel, and are less likely to have accumulated savings buffers during the pandemic.

Will there be a recession?

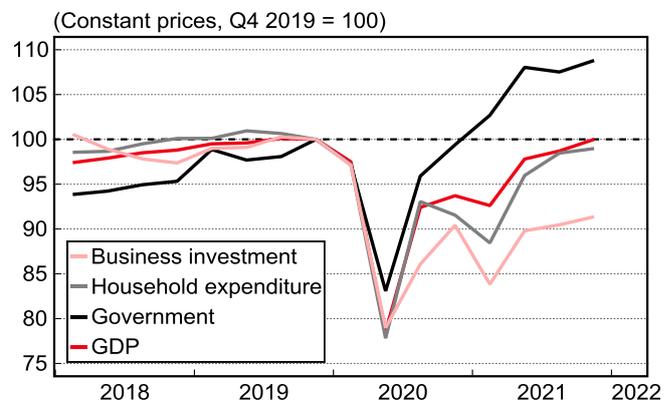
Consumer spending accounts for around two thirds of the UK economy and this squeeze on household finances would ordinarily point to a downturn for the UK economy. On this occasion, the picture is muddled by pandemic rebound effects. The UK economy suffered more than others from COVID, but the recovery has been sharp: activity is now more or less back to where it was before the pandemic.

UK ECONOMY HAS BOUNCED BACK FROM COVID LOWS



Source: National sources, MUFG Bank Economic Research Office

GOVERNMENT MEASURES HAVE SUPPORTED UK GDP



Source: ONS, MUFG Bank Economic Research Office

However, GDP remains well short of its trend established before the pandemic and so there should be scope for the rebound effect to continue. The services PMI for March increased to 62.6, a 10-month high, which suggests a degree of momentum.

ONS survey data shows around one third of adults still remain worried about the effect of COVID-19 on their lives. This is down from 66% during the Omicron wave and, if it continues to improve, it would bode well for activity in customer-facing service industries.

The trouble is that the components of GDP with most ground to catch up, such as consumer spending and business investment, are likely to face headwinds over the coming months (with the latter exposed to geopolitical uncertainty and ongoing Brexit-related disruption). At the same time, government spending on COVID measures will provide less support. The Q4 GDP figures were boosted by high volumes of testing and the vaccination drive during the Omicron wave, but these have been wound down since the start of the year. There is already evidence that this is weighing on activity growth: human health and social work activities provided a sharp drag of 0.35pp to the February monthly growth figure (+0.1% M/M).

Our current forecast is for UK GDP growth of 3.9% in 2022. This would be hugely flattered by the carry-over effect of 2.8pp from last year. The reality is likely to be very low quarterly growth (<0.3% q/q). Our view is that **the UK economy would be fortunate to get through this year without at least one quarter of contraction.** Q2 could be the most likely candidate at this stage. As well as the sharp increase in energy costs from April, the ONS estimates that COVID-19 is now more prevalent than ever in the UK population which makes it likely that activity will be affected by sickness and self-isolation effects. There will also be an extra drag on Q2 GDP this year from the extra Bank Holiday in June for the Queen's 70th Jubilee.

But while the COVID rebound effect means that a technical recession (two consecutive quarters of contraction) may be avoided, it will certainly feel like a recession for many households as the pressure on disposable income is set to intensify over coming months.

CERTIFICATION

The author(s) mentioned on the cover of this report hereby certify(ies) (or, where multiple authors are responsible, individually certify with respect to each security that the author covers in this report) that the views expressed in this report accurately reflect their personal views about the subject company(ies) and its (their) securities, and also certify(ies) that they have not been, are not, and will not be receiving direct or indirect compensation in exchange for expressing any specific recommendation(s) or view(s) in this report.

DISCLAIMERS

DISCLAIMERS

This report has been prepared by the Global Markets Research, US Rates and Credit Strategy desks within MUFG Bank, Ltd. ("MUBK") and MUFG Securities EMEA plc ("MUS(EMEA)") and may be distributed to you either by MUBK, MUS(EMEA) or by another subsidiary of the Mitsubishi UFJ Financial Group ("MUFG").

Legal entities and branches

The securities related businesses within MUFG (together referred to in this presentation as "MUFG Securities") are: (1) MUFG SECURITIES EMEA PLC ("MUS(EMEA)") which is authorised in the United Kingdom by the Prudential Regulation Authority ("PRA") and regulated by the Financial Conduct Authority ("FCA") and the PRA (FS Registration Number 124512). MUS(EMEA) has a branch office that is registered at Level 3, East Wing, The Gate, Dubai International Financial Centre, PO Box 506894, Dubai, UAE ("Dubai Branch"). The Dubai Branch is authorised to operate in the Dubai International Financial Centre ("DIFC") as a Non-DIFC Entity (Commercial License Number CL1656) and is regulated by the Dubai Financial Services Authority (Reference Number F002623); (2) MUFG Securities (Europe) N.V. ("MUS (EU)") which is authorized and regulated in the Netherlands by the Dutch Authority for the Financial Markets (AFM) and also regulated by De Nederlandsche Bank (DNB). MUS (EU) Paris Branch is regulated in France by the Autorité de contrôle prudentiel et de résolution (ACPR) and the Autorité des marchés financiers (AMF); (3) MUFG SECURITIES AMERICAS INC. ("MUSA") which is registered in the United States with the Securities and Exchange Commission ("SEC") and regulated by the Financial Industry Regulatory Authority ("FINRA") (SEC# 8-43026; CRD# 19685); (4) MUFG SECURITIES (CANADA), LTD. ("MUS(CAN)") is an investment dealers registered in Canada with the Ontario Securities Commission ("OSC") and in each province and territory of Canada, a member of the Investment Industry Regulatory Organization of Canada ("IIROC"), and a member of the Canadian Investor Protection Fund ("CIPF"). Customers' accounts are protected by CIPF within the specified limits; (5) MUFG SECURITIES ASIA LIMITED ("MUS(ASIA)") which is incorporated in Hong Kong, licensed under the Hong Kong Securities and Futures Ordinance and regulated by the Hong Kong Securities and Futures Commission (Central Entity Number AAA889). MUS(ASIA) is registered as a foreign company under the Corporations Act 2001 of Australia ARBN No. 169 329 453; and (6) MUFG Securities Asia (Singapore) Limited ("MUS(ASIA)") which is licensed as an approved merchant bank by the Monetary Authority of Singapore. In respect of the financial services provided to wholesale clients in Australia, MUS(ASIA), MUS(EMEA), MUS(USA) and MUS(ASIA) are each exempt from the requirement to hold an Australian financial services licence under the Corporations Act 2001 of Australia under the Australian Securities and Investments Commission Class Order Exemption CO 03/1099, CO 03/1103, CO 03/1100, and CO 03/1102, respectively. Each of MUS(ASIA), MUS(EMEA), MUSA, MUS(CAN), and MUS(ASIA) are regulated under the laws of Hong Kong, the United Kingdom, the United States, Canada and Singapore respectively, which differ from Australian laws.

MUFG Bank Ltd ("MUBK"), is a limited liability stock company incorporated in Japan and registered in the Tokyo Legal Affairs Bureau (company no. 0100-01-008846). MUBK's head office is at 7-1 Marunouchi 2-Chome, Chiyoda-Ku, Tokyo 100-8388, Japan. MUBK's London branch is at Ropemaker Place, 25 Ropemaker Street, London EC2Y 9AN, and is registered as a UK establishment in the UK register of companies (registered no. BR002013). The principal office of MUBK's Canada branch (MUFG Bank, Ltd., Canada Branch) is located at 200 Bay Street, Suite 1800, Toronto, Ontario, M5J 2J1, Canada. MUFG Bank's Canada branch is an authorized foreign bank branch permitted to carry on business in Canada pursuant to the Bank Act (Canada); Deposits with MUFG Bank Canada are not insured by the Canada Deposit Insurance Corporation. MUBK is authorised and regulated by the Japanese Financial Services Agency. MUBK's London branch is authorised by the UK Prudential Regulation Authority ("PRA") and regulated by the UK Financial Conduct Authority ("FCA") with limited regulation by the PRA.

General disclosures

This report is for information purposes only and should not be construed as investment research as defined by MIFID 2 or a solicitation of any offer to buy or sell any security, commodity, futures contract or related derivative (hereafter "instrument") or to participate in any trading strategy. This report does not constitute a personal recommendation and does not take into account the individual financial circumstances, needs or objectives of the recipients. Recipients should therefore seek their own financial, legal, tax or other advice before deciding to invest in any of the instruments mentioned in this report.

Certain information contained in this report has been obtained or derived from third party sources and such information is believed to be correct and reliable but has not been independently verified. MUFG does not make any guarantee, representation, warranty or undertaking, express or implied, as to the fairness, accuracy, reliability, completeness, adequacy or appropriateness of any information or comments contained in this report. Furthermore the information may not be current due to, among other things, changes in the financial markets or economic environment. MUFG has no obligation to update any such information contained in this report.

The information contained in this report may contain forward-looking information ("FLI"). FLI is information regarding possible events, conditions, or results of operations that is based on assumptions about future economic conditions and courses of action and may be presented as either a forecast or a projection. This report is not intended to forecast or predict future events. Past performance is not a guarantee or indication of future results. Upon receipt of this report, each recipient acknowledges and agrees that any FLI included herein should not be considered material. Recipients should consult their own legal and financial advisers for additional information. Any prices provided herein (other than those identified as being historical) are indicative only and do not represent firm quotes as to either price or size.

This report is proprietary to MUFG and may not be quoted, circulated or otherwise referred to without our prior written consent. Notwithstanding this, MUFG shall not be liable in any manner whatsoever for any consequences or loss (including but not limited to any direct, indirect or consequential loss, loss of profits and damages) arising from any reliance on or usage of this report and accepts no legal responsibility to any investor who directly or indirectly receives this material.

Country and region specific disclosures

This report is not directed to, or intended for distribution to or use by, any person or entity who is a citizen or resident of or is located in any locality, state, country or other jurisdiction where such distribution, publication, availability or use would be contrary to any law, regulation or rule. Each entity and branch within MUFG is subject to distinct regulatory requirements and certain products and services discussed in this document may not be available in all jurisdictions or to all client types.

In this regard, please note the following in relation to the jurisdictions in which MUFG has a local presence:

- United Kingdom / European Economic Area (EEA): This report is intended for distribution to a “professional client” or “eligible counterparty” as those terms are defined in the rules of the FCA and PRA. In other EEA countries, this report is intended only for persons regarded as professional investors (or equivalent) in their home jurisdiction.

- United States of America: This report, when distributed by MUSA, is intended for Institutional Investors (“Institutional Accounts” as defined by FINRA Rule 4512(c)). When distributed by a non-US affiliate of MUSA, this report is intended for distribution solely to “major U.S. institutional investors” or “U.S. institutional investors” pursuant to Rule 15a-6 under the U.S. Securities Exchange Act of 1934, as amended. Securities referenced in this report may have been underwritten by MUSA and/or its affiliates. Nothing in this report should be considered an offer or solicitation of an offer to buy or sell securities or any other financial product or a commitment of any kind with respect to any transaction.

IRS Circular 230 Disclosure: MUFG Securities does not provide tax advice. Accordingly, any discussion of U.S. tax matters included herein (including any attachments) is not intended or written to be used, and cannot be used, in connection with the promotion, marketing or recommendation by anyone not affiliated with MUSA of any of the matters addressed herein or for the purpose of avoiding U.S. tax-related penalties.

- Hong Kong: This report is only intended for distribution to a “professional investor” as that term is defined in the Securities and Futures Ordinance and should not be passed onto any other person.

- Singapore: This report is only intended for distribution to an “institutional investor”, “accredited investor” or “expert investor” as those terms are defined under regulation 2 of the Financial Advisers Regulation. It is solely for the use of such investors and shall not be distributed, forwarded, passed on or disseminated to any other person. Investors should note that, as a result of exemptions that apply when this report is distributed to “accredited investors” and “expert investors”, MUSS is exempt from complying with certain requirements under the Financial Advisers Act, including section 25 of the Financial Advisers Act (which requires a financial adviser to disclose all material information on certain investment products), section 27 (which requires a financial adviser to have a reasonable basis for making recommendations on investments) and section 36 (which requires a financial adviser to disclose any interests that it holds in securities that it recommends).

- Canada: When distributed in Canada by MUS(EMEA) or MUSA. MUS(EMEA) operates under an International Dealer Exemption from registration with the securities regulators in Alberta, British Columbia, Manitoba, Ontario and Québec. MUSA operates under an International Dealer Exemption from registration with the securities regulators in all Canadian Provinces and Territories. When distributed by MUS(EMEA) or MUSA, this report is only intended for a “permitted client” as that term is defined under the National Instrument 31-103 in Canada and is not intended for re-distribution to any other person. When distributed by MUS(CAN), this report is only intended for an “institutional client” as that term is defined under the IIROC dealer member rules and is not intended for re-distribution to any other person. The information contained herein is not, and under no circumstances is to be construed as, a prospectus, an advertisement, a public offering, 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. Under no circumstance is the information contained herein to be construed as investment advice in any province or territory of Canada and is not tailored to the needs of the recipient. • Japan: This Note, when distributed by MUFG Securities affiliates located outside of Japan, is intended for distribution in accordance with Article 58-2 of the Financial Instruments Exchange Act 1948 (“FIEA”) i) to a “Financial Instruments Business Operator” engaged in “Securities-Related Business” as defined in the FIEA or ii) to the government, the Bank of Japan, a qualified financial institution defined in Article 209 of the Cabinet Office Ordinance Concerning Financial Instruments Business, Etc., or an Investment Manager.

When distributed by Mitsubishi UFJ Morgan Stanley Securities Co., Ltd. (“MUMSS”), this Note is intended for distribution to a “Professional Investor (tokutei-toushika)” as defined in the FIEA.

- United Arab Emirates: This report is only intended for distribution to a “Professional Client” or “Market Counterparty” as those terms are defined under the rules of the Dubai Financial Services Authority and only a person meeting the criteria for these terms should act upon this report.

- Australia: This Note is only intended for distribution to persons in Australia who are sophisticated or professional investors for the purposes of section 708 of the Corporations Act of Australia, and are wholesale clients for the purposes of section 761G of the Corporations Act of Australia. This Note is not intended to be distributed or passed on, directly or indirectly, to any other class of persons in Australia.

Other jurisdictions:

MUFG Securities also relies on local registrations or regulatory exemptions in order to undertake certain securities business in other countries. In Thailand, MUS(EMEA) has a derivatives dealer registration with the Securities and Exchange Commission, Thailand. In Canada, MUS(EMEA) and MUSA each operate under an international dealer exemption registered with the securities regulators. MUS(EMEA) operates under the exemption in Alberta, Quebec, Ontario, British Columbia and Manitoba. MUSA operates under the exemption in all Canadian Provinces and Territories..