

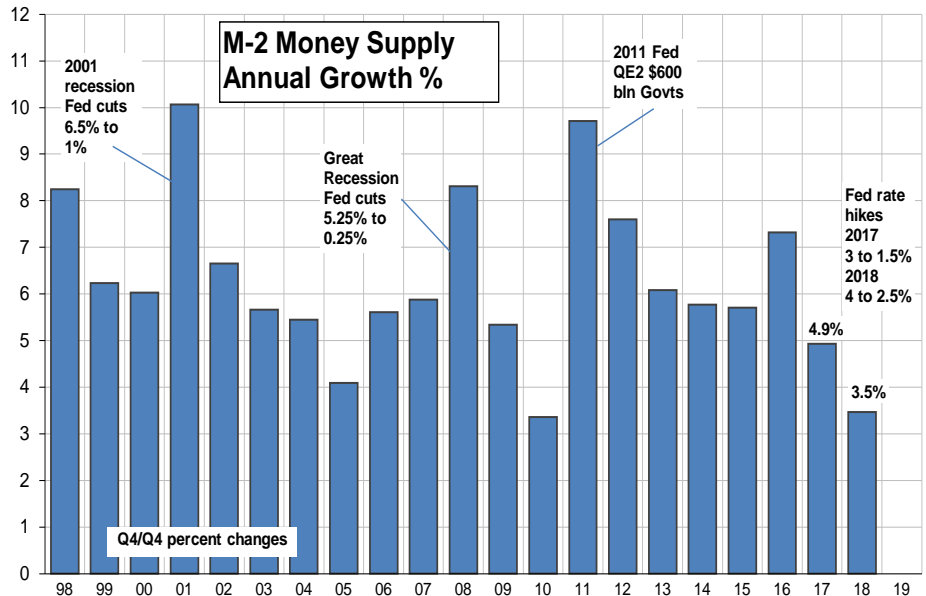
MUFG UNION BANK, N.A.  
 ECONOMIC RESEARCH (NEW YORK)  
 CHRISTOPHER S. RUPKEY, CFA  
 MANAGING DIRECTOR  
 CHIEF FINANCIAL ECONOMIST  
 (212) 782-5702  
 crupkey@us.mufg.jp

24 MAY 2019

MUFG Bank, Ltd.  
 A member of MUFG, a global financial group

## IS THE FED PROVIDING ENOUGH LIQUIDITY TO ALLOW THE ECONOMY TO RUN ON AND ON AND ON FOREVER?

The Fed is doing a pretty good job and “improving financial conditions” as Bernanke used to say. After the market meltdown in December Powell told a reporter that he got out a yellow legal pad (he is a lawyer) and sketched out a way to walk back the messaging from that final bridge-too-far rate hike in December. The stock market recovered. The Fed thinks stocks recovered because they jumped off the gradual rate hikes path.



But what we want to know: is there enough liquidity out there to grease the wheels of the economy and keep it expanding into the cloud of history’s record books. M-2 money supply growth rose 3.5% in 2018, the weakest since 2010. Are banks lending? The economic expansion will beat the ten-year record of the Clinton years in the 90s starting a couple of months from now in July. Is there enough liquidity to make that happen? Not the QE liquidity that pundits on TV and the president rail about. Is there enough M-2 growth? How much money is out there anyway? Another Fed survey is out saying many American’s cannot come up with 400 dollars cash in an emergency, but someone has money. M-2 money supply was \$14.556 trillion in the May 13 week reported on Thursday. Who the heck owns all that money?

**M-2 Money Supply Definition**  
 Currency  
 Demand deposits  
 Other checkable deposits  
 Savings deposits  
 Small denomination time deposits  
 Retail money market mutual funds

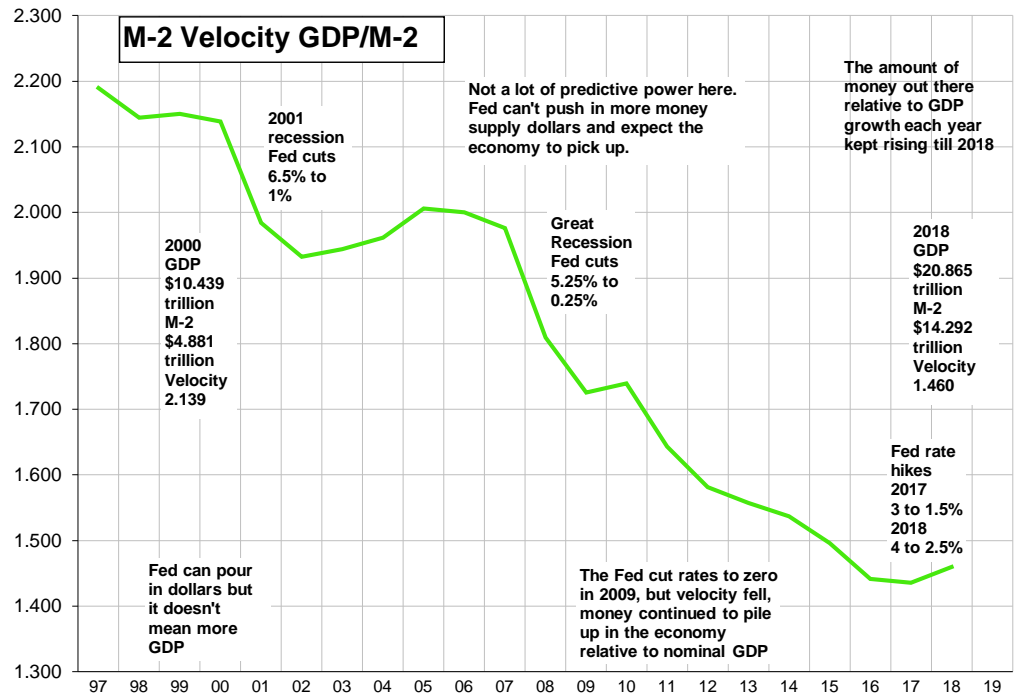
Money supply grows over time as there are more transactions as the economy grows. Nominal GDP rises then money supply rises. The level of interest rates plays a role as low interest rates means there is less of a reason to

Cut interest rates and you increase money supply which helps make the economy grow. Fed policy couldn't be simpler.

move cash out of the banking system to seek higher rates of return on securities elsewhere. M-2 piles up relative to nominal GDP and the ratio, GDP/M-2 equals velocity, declines. Velocity has declined when interest rates fell in the 2001 and 2007-09 recessions. It has continued to fall for other liquidity preference reasons, maybe the Fed's QE purchases increased the bank reserves that the textbooks say creates money. Recently velocity ticked up slightly in 2018 with the Fed raising interest rates. In 2018, nominal GDP increased \$1.033 trillion and money supply increased \$479.4 billion and velocity increased to 1.460 in 2018 from 1.436 in 2017.

| Money Supply (M-2) and its effect on the economy<br>(MV=PT... money times velocity = GDP) |                  |                 |                               |                     |                  |                 |                         |                             |                 |
|---|------------------|-----------------|-------------------------------|---------------------|------------------|-----------------|-------------------------|-----------------------------|-----------------|
| Q4/Q4 & Q4s Years   | Annual Increases |                 | Dec/Dec                       |                     | Percent Change % |                 | Level                   | Level                       | Ratio: Velocity |
|   | Nominal GDP      | Money Supply M2 | Interest Rate Chg (2-yr, bps) | 2-Yr Yield % (Dec.) | Nominal GDP      | Money Supply M2 | Nominal GDP \$ billions | Money Supply M2 \$ billions |                 |
|   | \$ Amount        | \$ Amount       |                               |                     |                  |                 |                         |                             |                 |
| 2018  | 1033.3           | 479.4           | 84                            | 2.68                | 5.2              | 3.5             | 20865.1                 | 14292.9                     | 1.460           |
| 2017  | 852.6            | 648.9           | 64                            | 1.84                | 4.5              | 4.9             | 19831.8                 | 13813.5                     | 1.436           |
| 2016  | 624.8            | 897.4           | 22                            | 1.20                | 3.4              | 7.3             | 18979.2                 | 13164.6                     | 1.442           |
| 2015  | 515.9            | 662.4           | 34                            | 0.98                | 2.9              | 5.7             | 18354.4                 | 12267.2                     | 1.496           |
| 2014  | 755.4            | 633.3           | 30                            | 0.64                | 4.4              | 5.8             | 17838.5                 | 11604.9                     | 1.537           |
| 2013  | 724.2            | 629.1           | 8                             | 0.34                | 4.4              | 6.1             | 17083.1                 | 10971.6                     | 1.557           |
| 2012  | 562.4            | 730.7           | 0                             | 0.26                | 3.6              | 7.6             | 16,358.9                | 10342.5                     | 1.582           |
| 2011  | 555.7            | 850.3           | -36                           | 0.26                | 3.6              | 9.7             | 15,796.5                | 9611.8                      | 1.643           |
| 2010  | 612.8            | 284.3           | -25                           | 0.62                | 4.2              | 3.4             | 15,240.8                | 8761.5                      | 1.740           |
| 2009  | 68.5             | 429.6           | 5                             | 0.87                | 0.5              | 5.3             | 14,628.0                | 8477.2                      | 1.726           |
| 2008  | -122.0           | 617.6           | -230                          | 0.82                | -0.8             | 8.3             | 14,559.5                | 8047.5                      | 1.809           |
| 2007  | 644.3            | 412.4           | -155                          | 3.12                | 4.6              | 5.9             | 14,681.5                | 7430.0                      | 1.976           |
| 2006  | 704.9            | 372.4           | 27                            | 4.67                | 5.3              | 5.6             | 14,037.2                | 7,017.6                     | 2.000           |
| 2005  | 809.9            | 260.9           | 139                           | 4.40                | 6.5              | 4.1             | 13,332.3                | 6,645.1                     | 2.006           |
| 2004  | 753.1            | 330.0           | 110                           | 3.01                | 6.4              | 5.5             | 12,522.4                | 6,384.2                     | 1.961           |
| 2003  | 697.8            | 324.7           | 7                             | 1.91                | 6.3              | 5.7             | 11,769.3                | 6,054.3                     | 1.944           |
| 2002  | 411.2            | 357.1           | -127                          | 1.84                | 3.9              | 6.6             | 11,071.5                | 5,729.6                     | 1.932           |
| 2001  | 221.3            | 491.5           | -224                          | 3.11                | 2.1              | 10.1            | 10,660.3                | 5,372.5                     | 1.984           |
| 2000  | 539.6            | 277.5           | -75                           | 5.35                | 5.5              | 6.0             | 10,439.0                | 4,881.0                     | 2.139           |
| 1999  | 605.4            | 270.0           | 159                           | 6.10                | 6.5              | 6.2             | 9,899.4                 | 4,603.4                     | 2.150           |

To conclude, money supply M-2 moves up over time with the growing economy. Low interest rates means money tends to increase relative to nominal GDP as higher yields outside banks are not as available. Velocity of money thus has fallen, but there are no major implications from this. There is more money out there relative to the size of the economy, but we

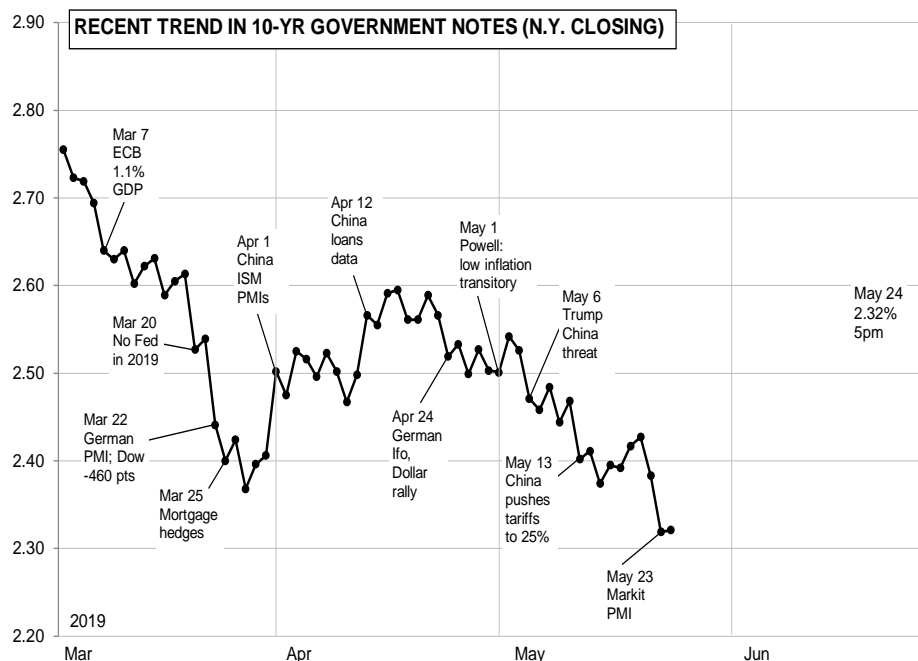


cannot say that this means there will be more growth or more inflation in the future. It is interesting to note historically that the Federal Reserve's monetary policy used to target money supply growth and interest rates moved up and down based on the Fed's provision of net reserves into the banking system. They now move interest rates up and down, but the science behind setting interest rates at any given level is still lacking.

## MARKETS OUTLOOK

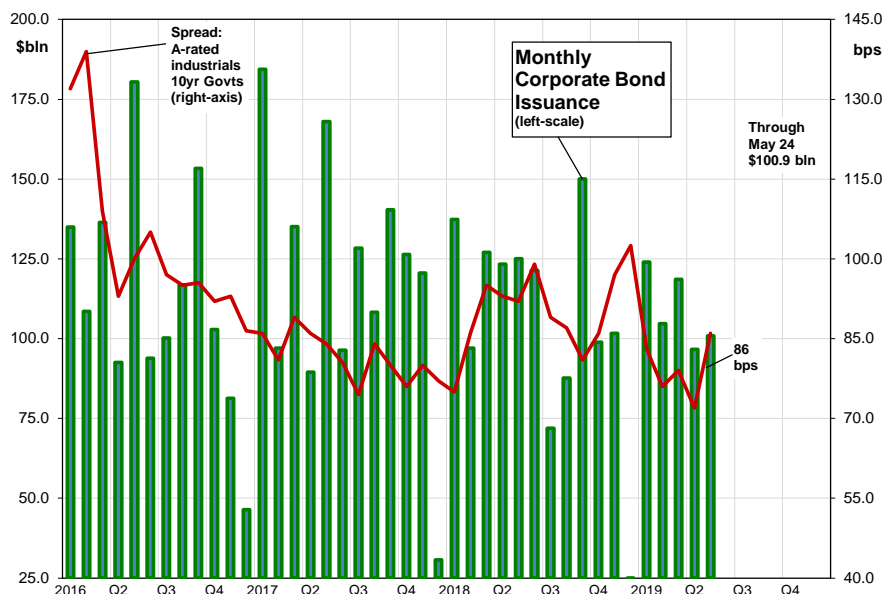
|                | 29-Mar 2018 | Q2 2019 | Q3 2019 | Q4 2019 | Q1 2020 | Q2 2020 | Q3 2020 | Q4 2020 |
|----------------|-------------|---------|---------|---------|---------|---------|---------|---------|
| 30-Yr Treasury | 2.81        | 3.00    | 3.00    | 3.10    | 3.10    | 3.25    | 3.20    | 3.20    |
| 10-Yr Note     | 2.41        | 2.60    | 2.70    | 2.90    | 2.90    | 3.10    | 3.10    | 3.10    |
| 5-Yr Note      | 2.23        | 2.45    | 2.60    | 2.80    | 2.80    | 3.05    | 3.05    | 3.05    |
| 2-Yr Note      | 2.26        | 2.45    | 2.50    | 2.70    | 2.70    | 2.90    | 2.95    | 3.00    |
| 3-month Libor  | 2.60        | 2.60    | 2.60    | 2.90    | 2.90    | 3.10    | 3.10    | 3.10    |
| Fed Funds Rate | 2.50        | 2.50    | 2.50    | 2.75    | 2.75    | 3.00    | 3.00    | 3.00    |
| 2s/10s spread  | 15          | 15      | 20      | 20      | 20      | 20      | 15      | 10      |

A new low this year for 10-yr yields keeps the bond rally alive. The yield break of the prior 2.34% 2019 low back on March 28 occurred Thursday on, believe it or not, the Markit Purchasing Manager survey of manufacturers at 945am NY Time. Seriously, how many surveys can the bond market react to? Plenty we guess when it is switched to full-on rally mode. This is right about the time you hear from the longs that the Fed needs to cut interest rates because inflation is so low it's dangerous for the economy and for the country. The dollar sold off against the Euro on the same Markit PMI news. The low yield on 10-yr Treasury yields was 2.29% Thursday, psychological resistance is at 2.25%.



## CORPORATES: SEMPRA ENERGY, FORD MOTOR, SCHWAB, DUKE ENERGY

Corporate offerings were \$15.2 billion in the May 24 week versus \$30.2 billion in the May 17 week. On Monday, Cargill sold \$1.0 billion 10s/30s. It priced a \$650 million 3.25% 10-yr (m-w +15bp) at 90 bps (A2/A). The agricultural products company will use the proceeds for a \$500 million special dividend and a tender offer for common stock. Corporate bond yields (10-yr Industrials rated A2) were 86 bps above 10-yr Treasuries this week versus 82 bps last Friday.



## FEDERAL RESERVE POLICY

The Fed meets June 18-19 to consider its monetary policy. The market is pushing harder for rate cuts. This week we discovered that some European Central Bank officials expressed concern at their April policy meeting that euro-area inflation remains too low and expectations of price growth are falling, after years of failing to reach their goal. Sorry, we meant to say that the release of the April 30-May 1 Fed meeting minutes on Wednesday this week said some Federal Reserve officials expressed concern that US inflation remains too low and expectations of price growth are falling, after years of failing to reach their goal. Maybe the Fed is talking to ECB officials too much. Either way, even if low inflation is a problem for their respective economies, there's nothing the ECB or the Fed can do about it. ECB has no rate-cuts bullets left, and Fed officials would be daft to cut interest rates from the low level of 2.5%. Market odds of one 25 bps rate cut to 2.25% by the December Fed meeting are 124% versus 118% last week.

### Few say higher rates, several becoming unhinged

April 30 – May 1 Fed meeting minutes look like they add little to our understanding of what they might do next. They are on the sidelines and being patient and regard the decline in core PCE inflation to 1.6 percent to be transitory. Okay by us because core CPI inflation is steady as a rock at the Fed's 2 percent target.

Maybe it looks like nothing has changed. But dive beneath the surface and you can see several Fed members are increasingly becoming unhinged.

The minutes read:

Several participants commented that if inflation did not show signs of moving up over coming quarters, there was a risk that inflation expectations could become anchored at levels below those consistent with the Committee's symmetric 2 percent objective.

Uh oh. Coming quarters. How long will several members wait before cutting rates to produce greater inflation expectations? This whole focus on inflation being short of hitting 2 percent seems increasingly unhinged on the part of some Fed officials. The public has lost interest in inflation and cannot even tell you where it is today. It looks like Fed officials have done all they can to improve financial conditions and to aid and support the broader economy. They should not be teasing markets by saying rates could go up or down. Unemployment is 3.6 percent. Earth to Fed. You've hit the target already. Quit scaring people that there are increasing deflation risks just because you cannot get PCE inflation to 2 percent.

We hope we are wrong but it looks like the doves are gaining an upper hand in these deliberations and Fed Chair Powell may well have a revolt on his hands if inflation doesn't pick up in coming quarters. Rate cuts. If you are on Wall Street in fixed income your days are numbered if Fed officials take the nuclear option and push rates down across the curve. USA USA USA. Japan and Europe here we come. Doomed.

| Selected Fed assets and liabilities     |                 |                 |                 |                 | Sep 10        |
|---|-----------------|-----------------|-----------------|-----------------|---------------|
| Fed H.4.1 statistical release           | 22-May          | 15-May          | 8-May           | 1-May           | 2008**        |
| billions, Wednesday data                |                 |                 |                 |                 | pre-LEH       |
| <b>Factors adding reserves</b>          |                 |                 |                 |                 |               |
| U.S. Treasury securities                | 2114.569        | 2114.444        | 2124.129        | 2123.954        | 479.782       |
| Federal agency debt securities          | 2.347           | 2.347           | 2.347           | 2.347           | 0.000         |
| Mortgage-backed securities (MBS)        | 1564.428        | 1569.584        | 1575.433        | 1575.433        | 0.000         |
| Primary credit (Discount Window)        | 0.001           | 0.022           | 0.030           | 0.000           | 23.455        |
| Term auction credit (TAF auctions)      | 0.000           | 0.000           | 0.000           | 0.000           | 150.000       |
| Asset-backed TALF                       | 0.000           | 0.000           | 0.000           | 0.000           | 0.000         |
| Maiden Lane (Bear)                      | 0.000           | 0.000           | 0.000           | 0.000           | 29.287        |
| Maiden Lane II (AIG)                    | 0.000           | 0.000           | 0.000           | 0.000           | 0.000         |
| Maiden Lane III (AIG)                   | 0.000           | 0.000           | 0.000           | 0.000           | 0.000         |
| Central bank liquidity swaps            | 0.017           | 0.050           | 0.055           | 0.055           | 62.000        |
| Federal Reserve Assets                  | 3908.5          | 3912.7          | 3940.2          | 3937.4          | 961.7         |
| 3-month Libor %                         | 2.52            | 2.53            | 2.55            | 2.58            | 2.82          |
| <b>Factors draining reserves</b>        |                 |                 |                 |                 |               |
| Currency in circulation                 | 1734.927        | 1732.314        | 1733.109        | 1730.760        | 834.477       |
| Term Deposit Facility                   | 0.000           | 0.000           | 0.000           | 0.000           | 0.000         |
| Reverse repurchases w/others            | 3.751           | 0.562           | 0.021           | 0.027           | 0.000         |
| <b>Reserve Balances (Net Liquidity)</b> | <b>1532.833</b> | <b>1516.418</b> | <b>1490.680</b> | <b>1460.010</b> | <b>24.964</b> |
| Treasuries within 15 days               | 20.057          | 0.000           | 38.475          | 38.475          | 14.955        |
| Treasuries 16 to 90 days                | 97.826          | 63.117          | 63.116          | 43.808          | 31.549        |
| Treasuries 91 days to 1 year            | 251.024         | 255.980         | 255.978         | 275.285         | 69.272        |
| Treasuries over 1-yr to 5 years         | 867.384         | 917.215         | 902.527         | 902.502         | 170.807       |
| Treasuries over 5-yrs to 10 years       | 266.380         | 257.102         | 258.739         | 258.659         | 91.863        |
| Treasuries over 10-years                | 611.899         | 621.030         | 605.292         | 605.225         | 101.337       |

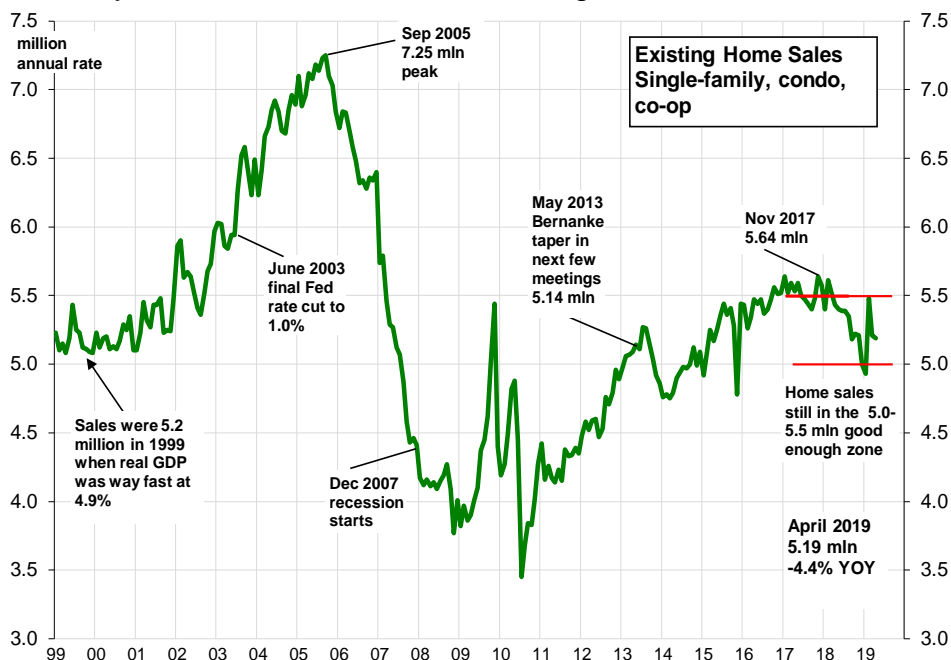
\*\*September 10, 2008 is pre-Lehman bankruptcy of 9-15-08

## OTHER ECONOMIC NEWS THIS WEEK

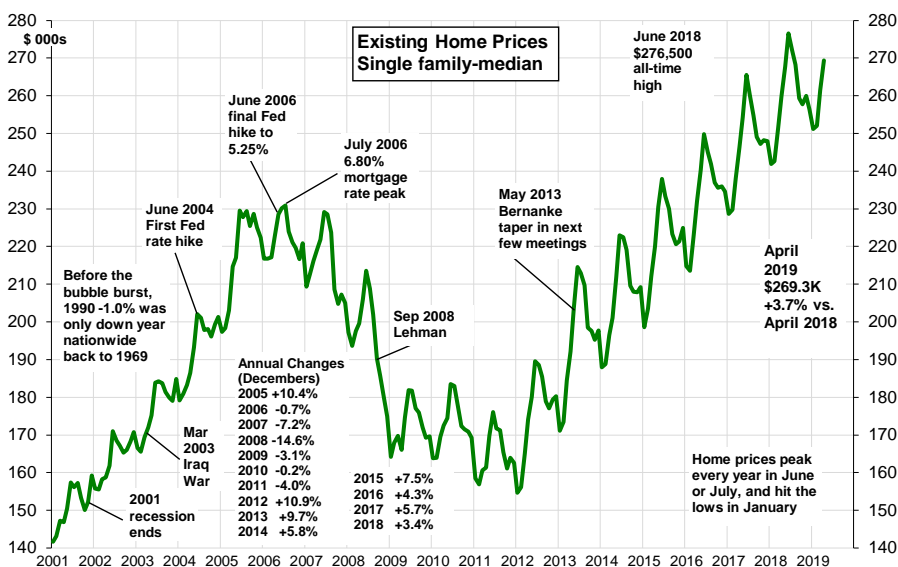
### Existing home sales steady after interest rate shock fades (Tuesday)

Breaking economy news. Existing home sales were steady in April at a 5.19 million annual rate of turnover which is down just 0.4% from March. Home buyers were flipping homes like flap-jacks back in the housing bubble over a decade ago with over 7 million homes per year changing hands. Those days are probably not coming back any time soon, but home sales are running at an acceptable pace to sustain economic growth powered with the added consumer purchases of appliances and furnishings that go into a new home. Risk-adverse consumers may have shied away from making home purchases late last year during the financial market turbulence, with the absolute 4.93 million low in January being made during the Federal government shutdown. The veil of uncertainty over the economic outlook has lifted and home buyers have returned to the housing markets.

Home prices keep on rising which is likely to drive sales in the future as well before homes get even more expensive. Single-family home prices were \$269.3 thousand in April which is an increase of 3.7% from year earlier levels. Home prices nationwide have risen steadily each year from 2012 to 2018 and show no sign of stopping despite the escalation of trade tensions between the US and China.



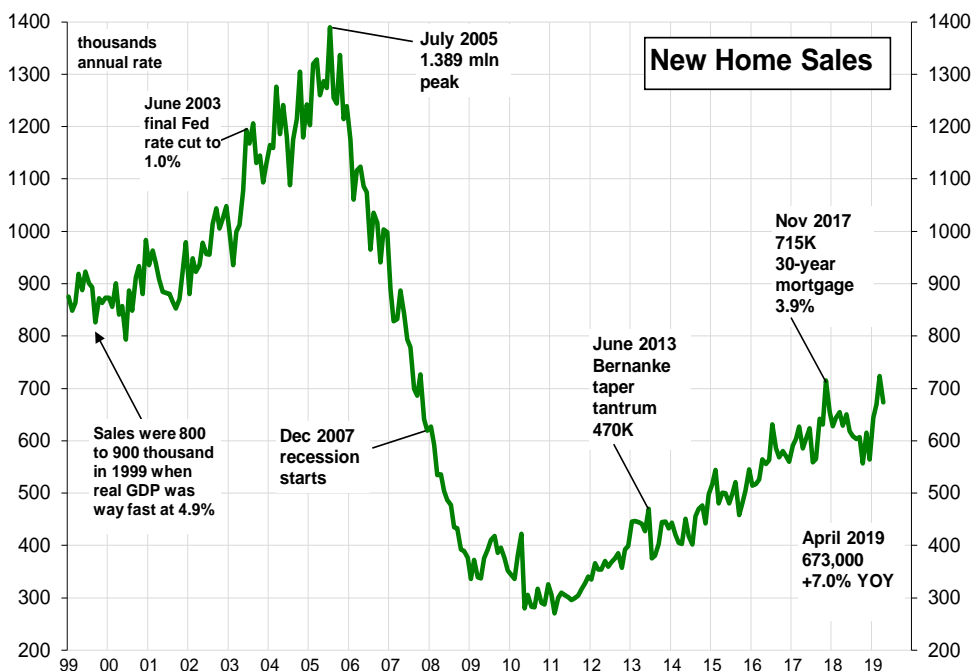
Net, net, home buyers have returned to the markets after the wild swings in mortgage rates last year that may have sent them to the sidelines. Mortgage rates were closing in on 5% before Thanksgiving and are now back down at more affordable levels of 4.06% last week. The Tax Cuts and Jobs Act threatens higher-priced markets with fewer deductions for state & local taxes, but existing home sales turnover remains at a steady overall pace.



## America looks solid as a rock as markets and global growth burns (Thursday)

Breaking economy news. Jobless claims and new home sales. No recession, no collusion, with initial jobless claims at 211K in the May 18 week. The labor market remains tight as a drum which will give Fed officials greater confidence that the current low inflation trend is just in a transitory soft patch. The concerns of some Fed officials about inflation being less than target looks misplaced when considering the public is most familiar with CPI inflation, where core CPI inflation is running 2.1%, and the American public has little knowledge of the Fed's preferred measure of inflation, the personal consumption expenditures (PCE) deflator, where core PCE inflation is running 1.6% (just missed 1.5%, 3 decimals is 1.553).

Bond yields keep falling and the stock market is down today on trade jitters, but companies continue to hold on tight to their workers with the economy at full employment. The break-up of the China-US trade talks has not created enough uncertainty yet to lead employers to trim their headcounts. Payroll employment has risen 1.8% over the last year and this strong jobs trend will serve to keep economic growth on track at over 2% in 2019 despite the long expansion that is close to setting records for longevity.



New home sales tumbled 6.9% to 673 thousand in April from 723 thousand in March. The data were revised back to 2014 in today's report. The 723 thousand level of sales in March 2019 is the best since the housing bubble burst over a decade ago. Sales were down everywhere in April except for the Northeast where just 4% of new home sales are recorded in the country. It was a soggy start to the spring selling season perhaps, with cooler than seasonal temperatures, but we expect the sales pace to pick up this summer as it is supported by low 4% mortgage rates.

New home sales are more real-time data than existing home sales released Tuesday, as new home sales are recorded when the sales contract is signed rather than the lagged data on existing home sales which are recorded at closing with the sales taking place a month or two earlier.

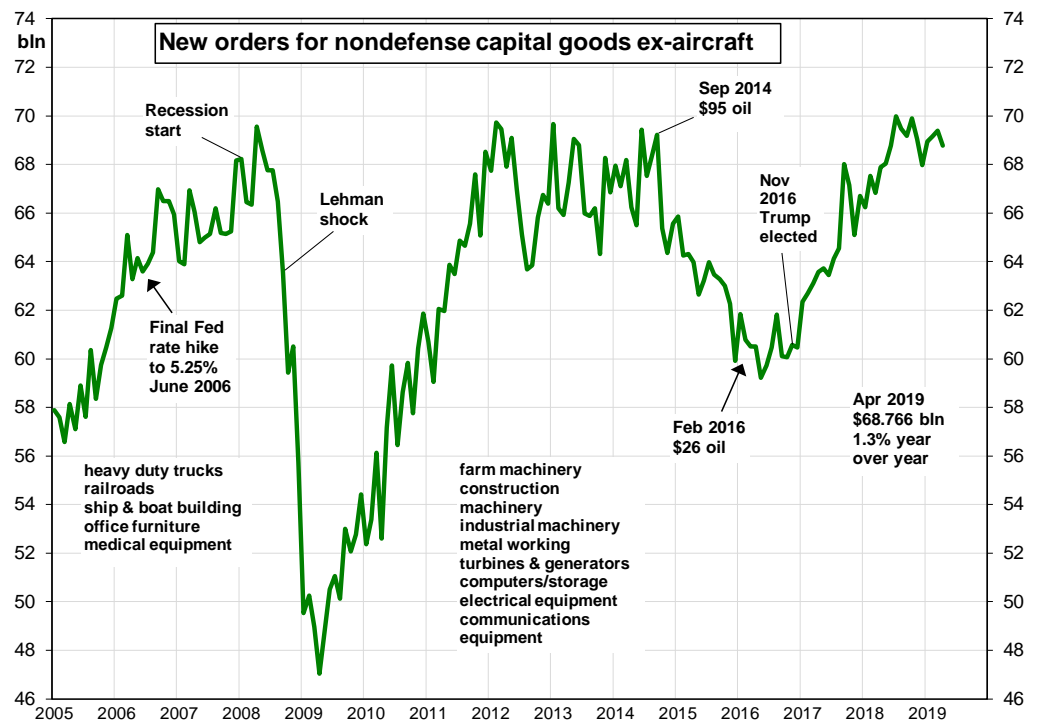
Net, net, the American economy continues to chug along with no uncertainty or hesitation seen in the real economy despite the trade war fears that are causing turbulence in the financial markets. Main Street is okay for the moment, and the US can go its own way despite slower world growth as internal domestic demand looks solid as a rock.

## Oops, purchasing managers were right, business investment pivots (Friday)

Breaking economy news. No one is in New York City working today judging by the empty seats on our early morning, high-achiever train from the suburbs. Happy Memorial Day weekend. Corporations have decided to pull the plug on new business investment in April even before the stock market sell-off from the president's tweets/threats on Sunday, May 5 to raise tariffs on the \$200 billion of China imports from 10% to 25%.

Durable goods orders/shipments for April are out. Our proxy for business capital spending goes by the long handle of nondefense capital goods orders ex-aircraft and these orders after having reached the tippy-top summit last month, reaching the highest level of new orders since the Great Recession, now this month, the March gain of 1.4% was revised down to a 0.3% increase, and orders in April fell 0.9%. We were wondering as industrial production has been falling while equipment orders were rising this year, but now orders are off along with manufacturing production. The revisions go way back, but the level of nondefense capital goods orders is a full 1.7 percent lower than the last report we had on business capital spending. Don't ask for whom the bell tolls, it tolls for thee.

Net, net, business investment in the future is sputtering at the start of the second quarter as uncertainty and geopolitical risks are a heavy anchor that appears to be a big drag on companies' willingness to order up new equipment. Business confidence is clearly lacking in the manufacturing sector of the economy. Maybe CFOs truly believe like the surveys say that there are increased odds of economic recession this year so they have canceled their new orders in March and are ordering less new equipment in April.



Primary metals down 0.8%, computers and electronic products down 0.4%, communications equipment -5.5% which look to be especially trade war related.

There are no green shoots in today's report of caution from some of the biggest companies in America that are scaling back their investment in the economy. We can't sugar-coat today's news. Business investment is absolutely critical for the economy to move forward and investment is normally the swing factor that pumps up growth or pulls out the support from the economy and makes a recession a recession with negative growth. Stay tuned. Story developing.

---

## Analyst Certification

The views expressed in this report accurately reflect the personal views of **Christopher S. Rupkey**, the primary analyst responsible for this report, about the subject securities or issuers referred to herein, and no part of such analyst's compensation was, is or will be directly or indirectly related to the specific recommendations or views expressed herein.

The information herein is provided for information purposes only, and is not to be used or considered as an offer or the solicitation of an offer to sell or to buy or subscribe for securities or other financial instruments. Neither this nor any other communication prepared by MUFG Bank, Ltd. (collectively with its various offices and affiliates, "MUFG Bank") or should be construed as investment advice, a recommendation to enter into a particular transaction or pursue a particular strategy, or any statement as to the likelihood that a particular transaction or strategy will be effective in light of your business objectives or operations. Before entering into any particular transaction, you are advised to obtain such independent financial, legal, accounting and other advice as may be appropriate under the circumstances. In any event, any decision to enter into a transaction will be yours alone, not based on information prepared or provided by MUFG Bank. MUFG Bank hereby disclaims any responsibility to you concerning the characterization or identification of terms, conditions, and legal or accounting or other issues or risks that may arise in connection with any particular transaction or business strategy. While MUFG Bank believes that any relevant factual statements herein and any assumptions on which information herein are based, are in each case accurate, MUFG Bank makes no representation or warranty regarding such accuracy and shall not be responsible for any inaccuracy in such statements or assumptions. Note that MUFG Bank may have issued, and may in the future issue, other reports that are inconsistent with or that reach conclusions different from the information set forth herein. Such other reports, if any, reflect the different assumptions, views and/or analytical methods of the analysts who prepared them, and MUFG Bank is under no obligation to ensure that such other reports are brought to your attention.

Copyright 2019 MUFG All Rights Reserved

The articles and opinions in this publication are for general information only, are subject to change, and are not intended to provide specific investment, legal, tax or other advice or recommendations. The information contained herein reflects the thoughts and opinions of the noted authors only, and such information does not necessarily reflect the thoughts and opinions of MUFG or its management team. We are not offering or soliciting any transaction based on this information. We suggest that you consult your attorney, accountant or tax or financial advisor with regard to your situation. Although information has been obtained from sources we believe to be reliable, neither the authors nor MUFG vouch for its accuracy, and such information may be incomplete or condensed. Neither the authors nor MUFG shall be liable for any typographical errors or incorrect data obtained from reliable sources or factual information.

About Mitsubishi UFJ Financial Group, Inc.'s U.S. Operations including MUFG Americas Holdings Corporation

The U.S. operations of Mitsubishi UFJ Financial Group, Inc. (MUFG), one of the world's leading financial groups, has total assets of \$326.5 billion at September 30, 2018. As part of that total, MUFG Americas Holdings Corporation (MUAH), a bank holding company and intermediate holding company, has total assets of \$161.0 billion at September 30, 2018. MUAH's main subsidiaries are MUFG Union Bank, N.A. and MUFG Securities Americas Inc. MUFG Union Bank, N.A. provides a wide range of financial services to consumers, small businesses, middle-market companies, and major corporations. As of September 30, 2018, MUFG Union Bank, N.A. operated 354 branches, consisting primarily of retail banking branches in the West Coast states, along with commercial branches in Texas, Illinois, New York and Georgia, as well as 22 PurePoint® Financial Centers. MUFG Securities Americas Inc. is a registered securities broker-dealer which engages in capital markets origination transactions, private placements, collateralized financings, securities borrowing and lending transactions, and domestic and foreign debt and equities securities transactions. MUAH is owned by MUFG Bank, Ltd. and Mitsubishi UFJ Financial Group, Inc. MUFG Bank, Ltd., a wholly owned subsidiary of Mitsubishi UFJ Financial Group, Inc., has offices in Argentina, Brazil, Chile, Colombia, Peru and Canada as well as branches, agencies and representative offices in the U.S. Visit <https://www.unionbank.com> or <https://www.mufgamericas.com> for more information.

About MUFG

Mitsubishi UFJ Financial Group, Inc. (MUFG) is one of the world's leading financial groups. Headquartered in Tokyo and with over 360 years of history, MUFG has a global network with over 1,800 locations in more than 50 countries. The Group has over 150,000 employees and offers services including commercial banking, trust banking, securities, credit cards, consumer finance, asset management, and leasing. The Group aims to "be the world's most trusted financial group" through close collaboration among our operating companies and flexibly respond to all of the financial needs of our customers, serving society, and fostering shared and sustainable growth for a better world. MUFG's shares trade on the Tokyo, Nagoya, and New York stock exchanges. For more information, visit <https://www.mufg.jp/english>.