

# National Economic Indicators

May 7, 2018

Rick Kaglic, Senior Regional Economist
The Federal Reserve Bank of Richmond

These views are solely my own and do not represent those of the Federal Reserve Bank of Richmond or the Federal Reserve System.



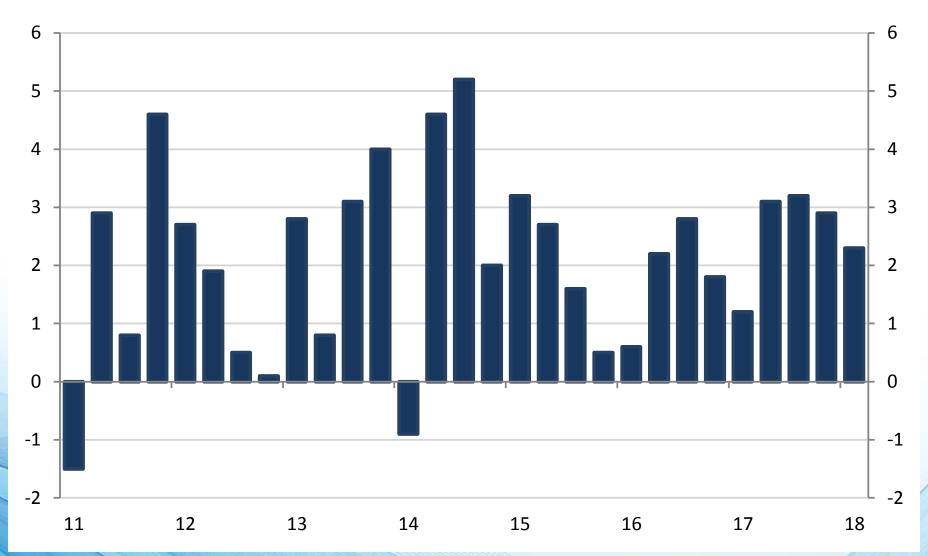
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# Summary

- Economy moving along nicely, but there are some clouds
  - Labor market strong historically, but softer employment growth
  - Softer Q1 numbers after several robust quarters
  - However, strong growth forecasts throughout 2018
- Inflation starting to rear its head
  - Weak early 2017 inflation readings dissipate
  - Pick-up in nominal wage growth
  - Policy still expansionary
- Large cloud on the horizon: tariffs and trade disputes

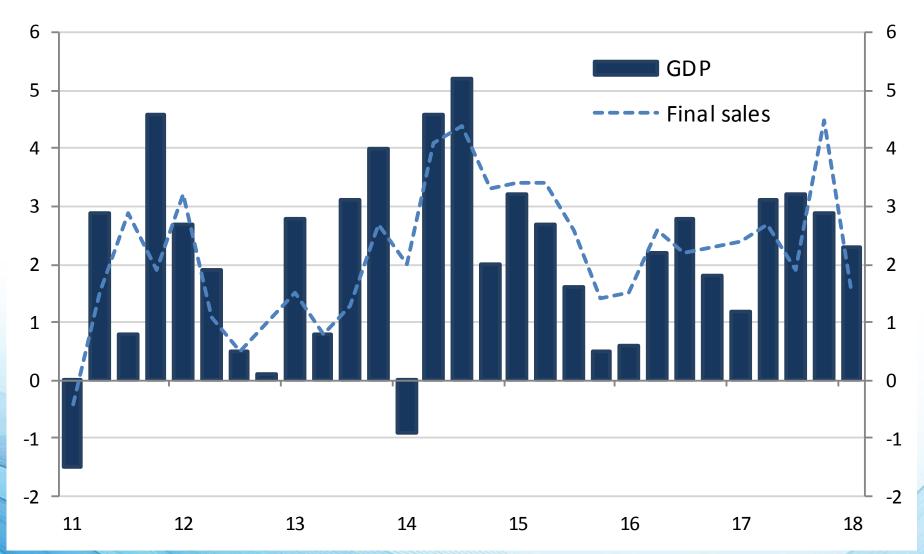
#### **Real Gross Domestic Product**

Quarterly percent change, SAAR



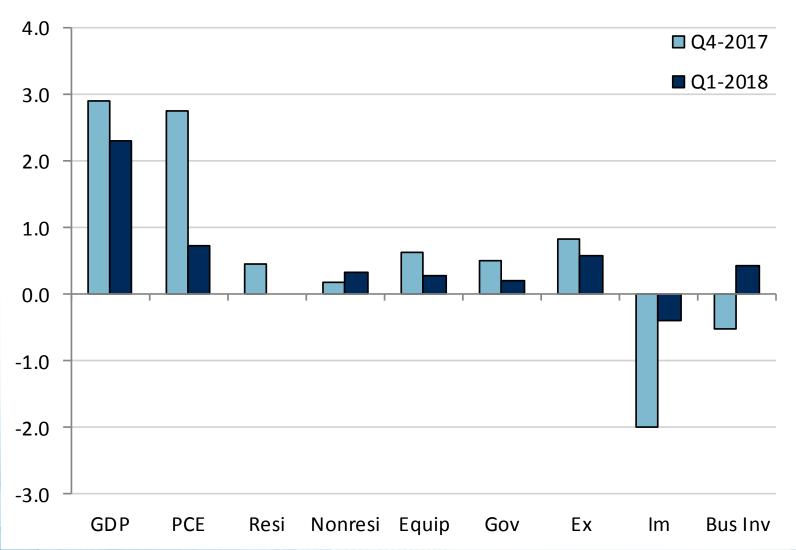
#### **Real Gross Domestic Product and Final Sales**

Quarterly percent change, SAAR



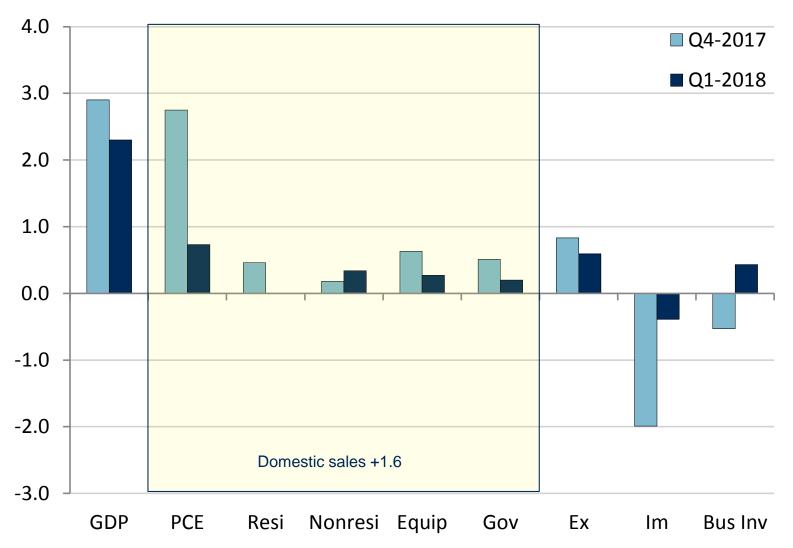
#### **Contributions to Real GDP Growth**

Percent contribution to qtrly GDP change



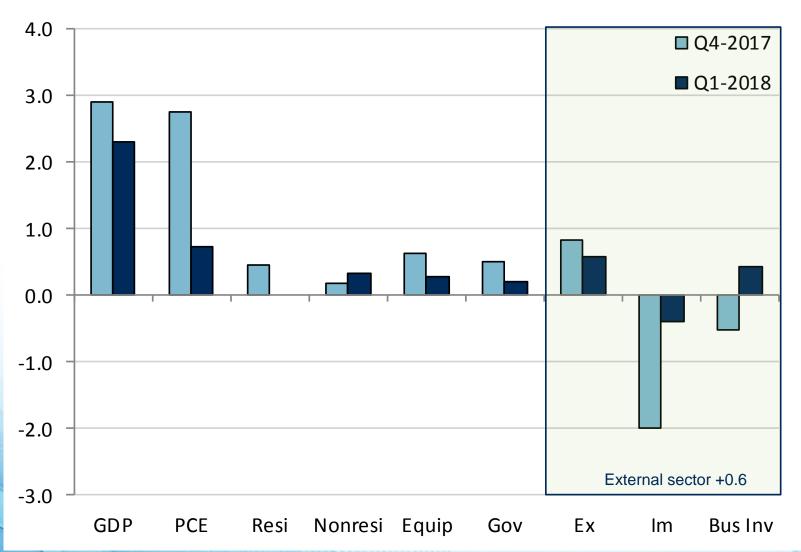
#### **Contributions to Real GDP Growth**

Percent contribution to qtrly GDP change

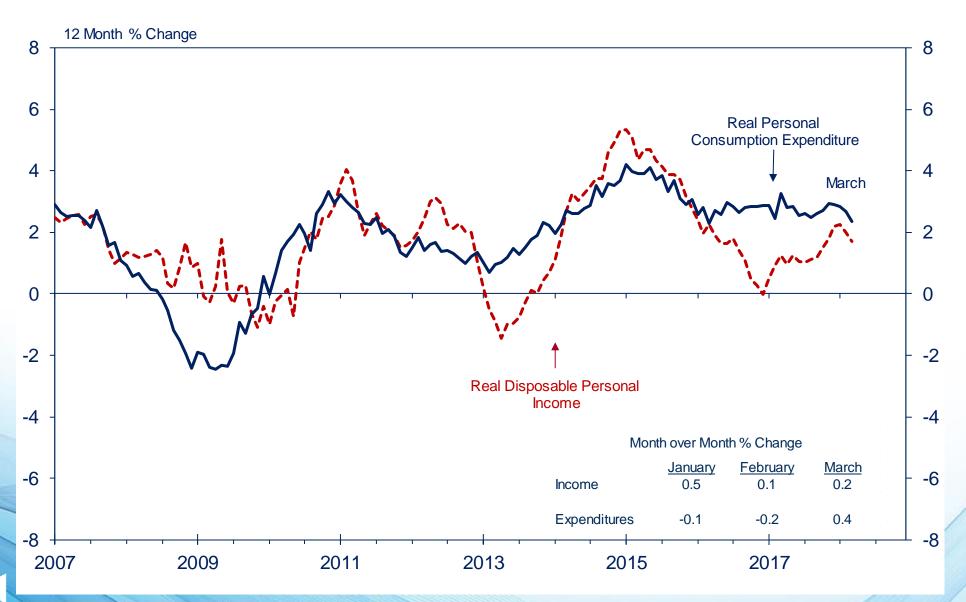


#### **Contributions to Real GDP Growth**

Percent contribution to qtrly GDP change



#### **Consumer Spending and Income**



Note: Income has been adjusted to account for temporary fiscal actions in 2008 and 2012-2013.

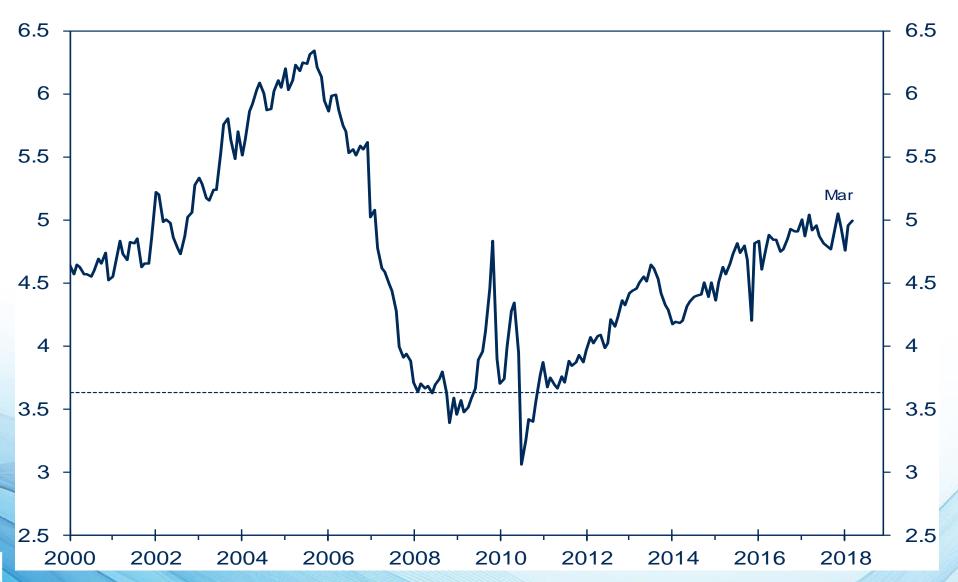
Source: Bureau of Economic Analysis via Haver Analytics

#### **Personal Saving Rate**

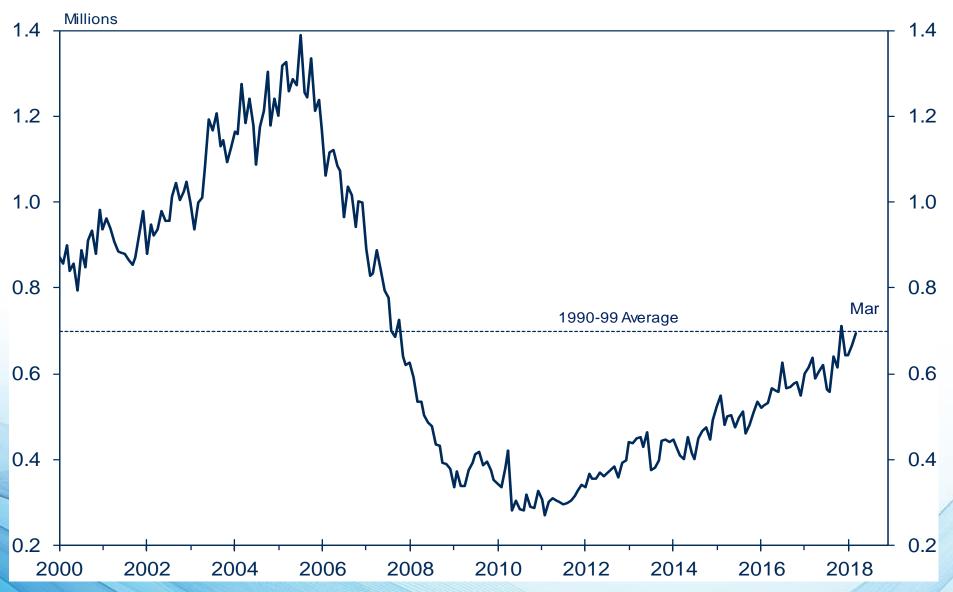


Note: Income has been adjusted to account for temporary events

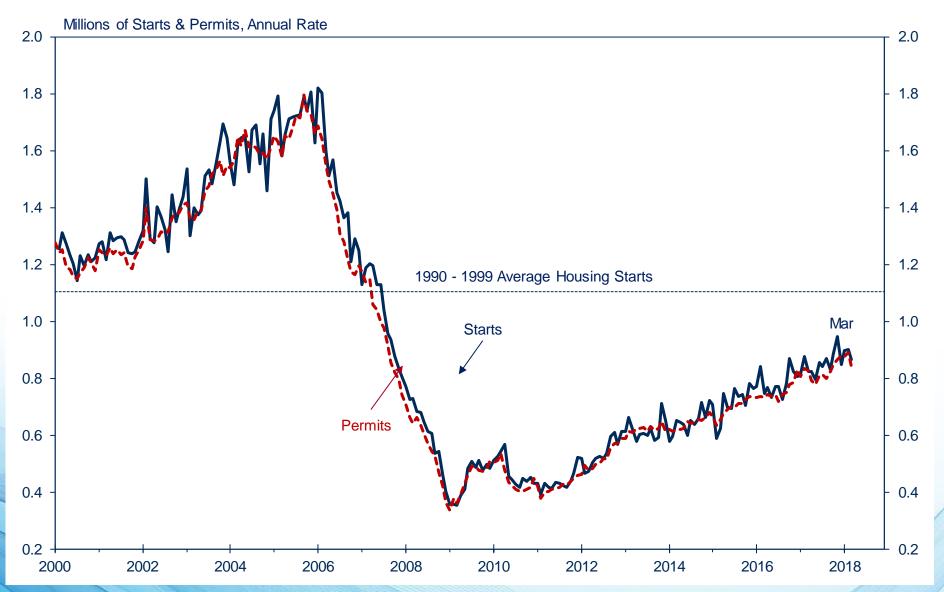
#### **Existing Single-Family Home Sales**



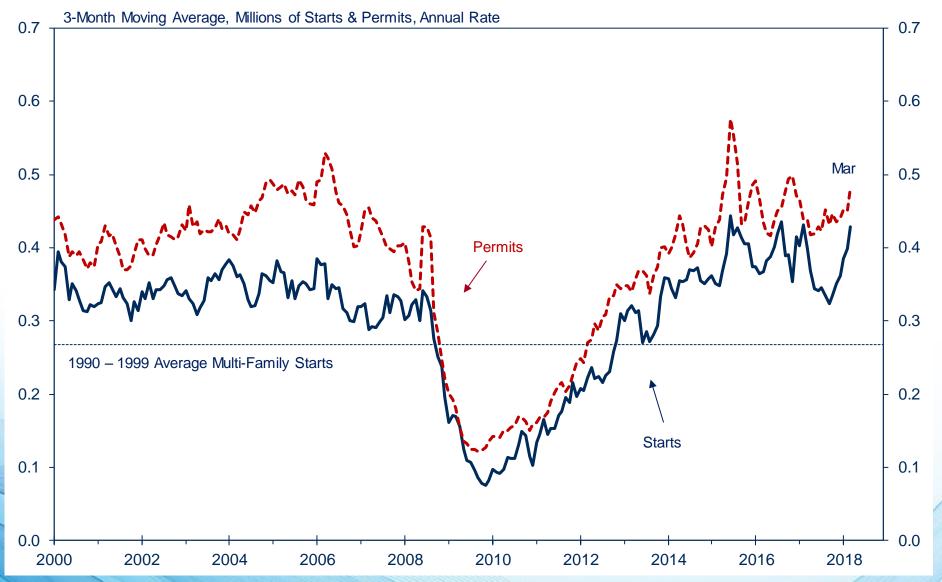
#### **New Single-Family Home Sales**



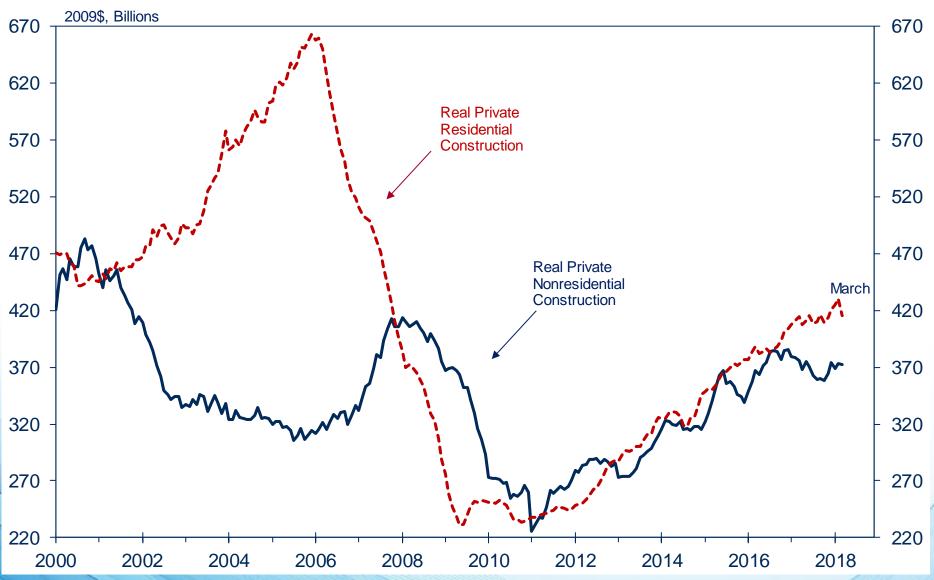
#### **Private Single-Family Housing Starts & Permits**



#### **Private Multi-Family Housing Starts & Permits**



#### **Real Private Construction Put In Place**

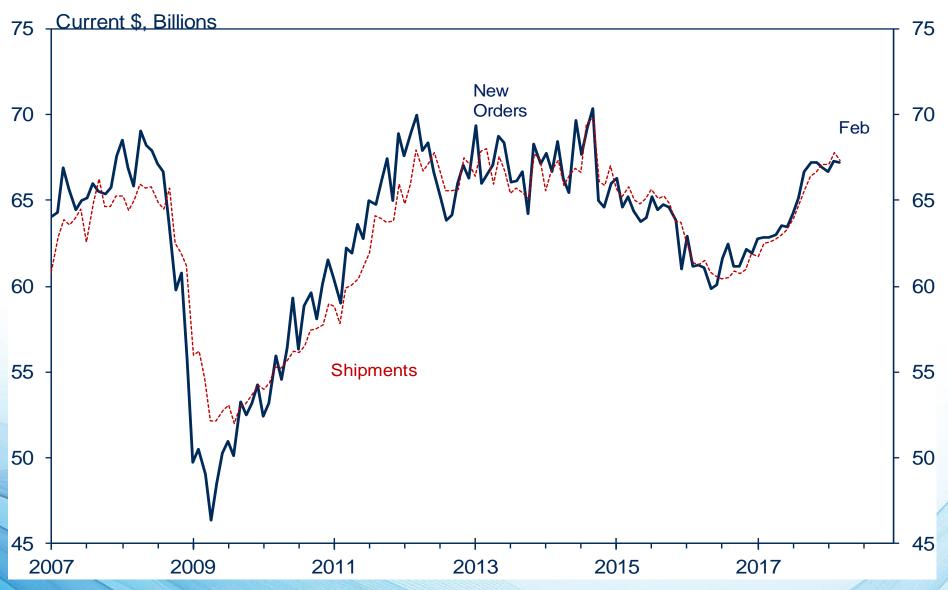


Notes: Private nonresidential construction deflated using the price index for private fixed investment in nonresidential structures and private residential construction deflated using the private residential investment chain price index.

Source: Census Bureau via Haver Analytics

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#### **Core Capital Goods**



Notes: Core capital goods are nondefense capital goods excluding aircraft.

RICHMOND° Source: Census Bureau via Haver Analytics



# Progress on "the Dual Mandate"

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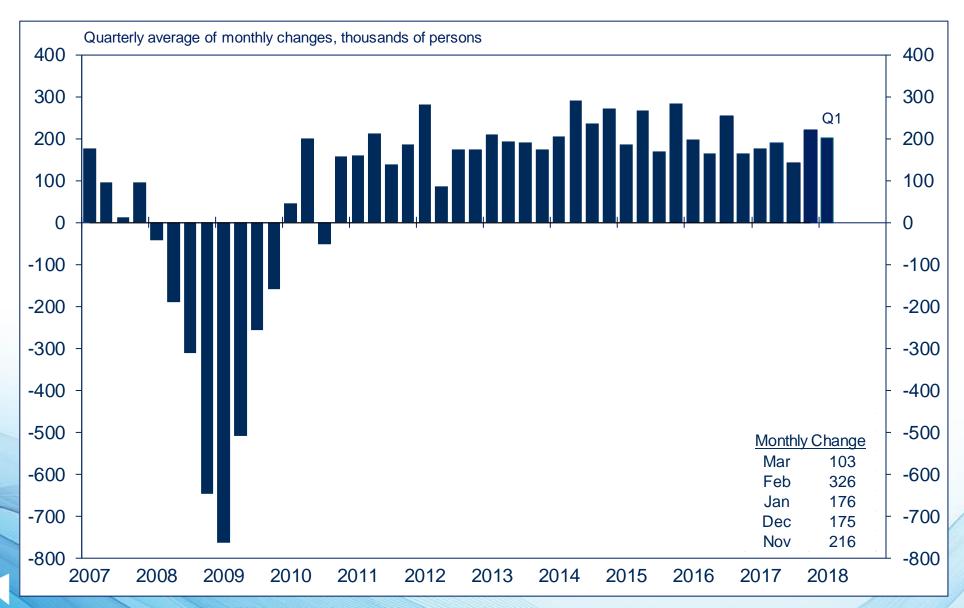
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#### **Nonfarm Payroll Employment**



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Notes: White bar on the right is based on an incomplete quarter

Source: Bureau of Labor Statistics via Haver Analytics

#### **ISM:** Business Survey Indexes

#### **MANUFACTURING BUSINESS:**

#### **NON-MANUFACTURING BUSINESS:**

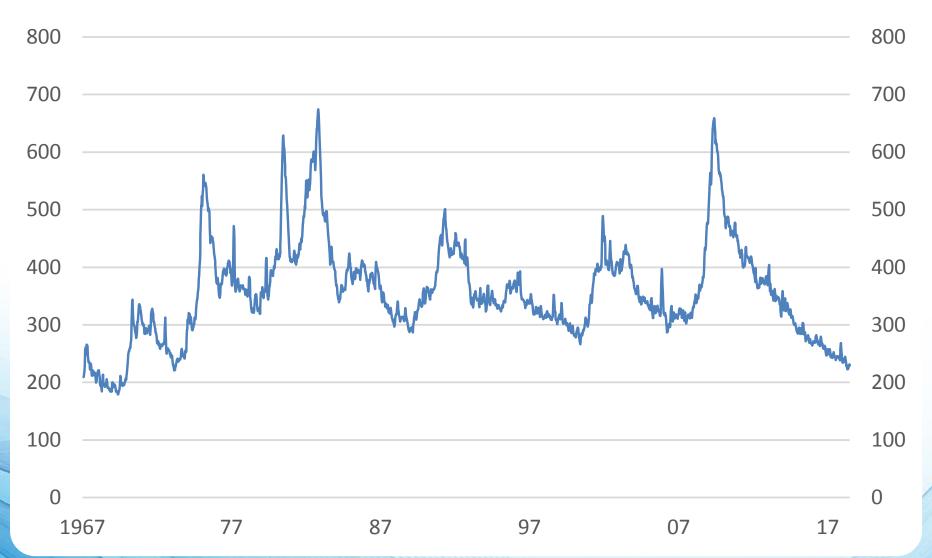
	Mar.	Apr.		Feb.	Mar.
Purchasing Managers Index	59.3	57.3	Non-Manufacturing Index	59.5	58.8
Production	61.0	57.2	Business Activity	62.8	60.6
New Orders	61.9	61.2	New Orders	64.8	59.5
Employment	57.3	54.2	Employment	55.0	56.6
Supplier Deliveries	60.6	61.1	Supplier Deliveries	55.5	58.5
Inventories	55.5	52.9	Inventories	53.5	53.5
Prices	78.1	79.3	Prices	61.0	61.5
Backlog of Orders	59.8	62.0	Backlog of Orders	56.0	56.5
New Export Orders	58.7	57.7	New Export Orders	59.5	58.0
Imports	59.7	57.8	Imports	50.0	55.0

RAL RESERVE BANK CHMOND° DIFFUSION INDEXES: Numbers above 50 percent indicate more favorable responses towards economic activity.

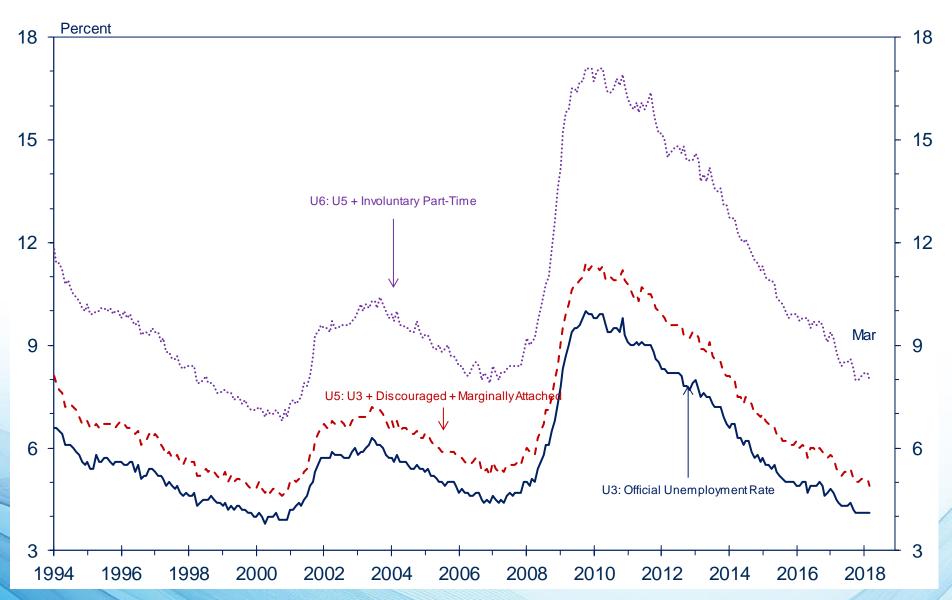
Source: Institute for Supply Management via Haver Analytics

#### **Initial Unemployment Claims**

(000s) 4 week moving average



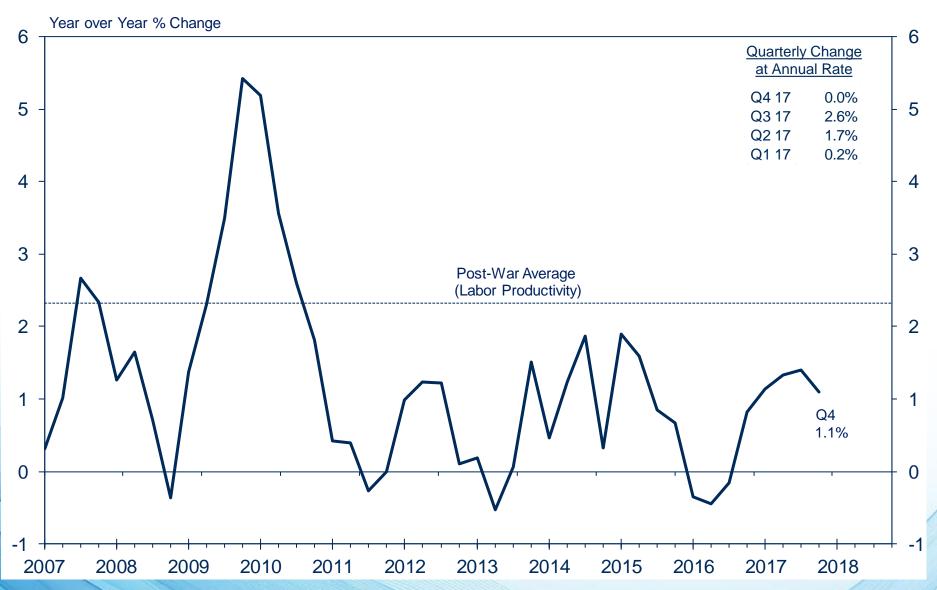
#### **Measures of Labor Utilization**



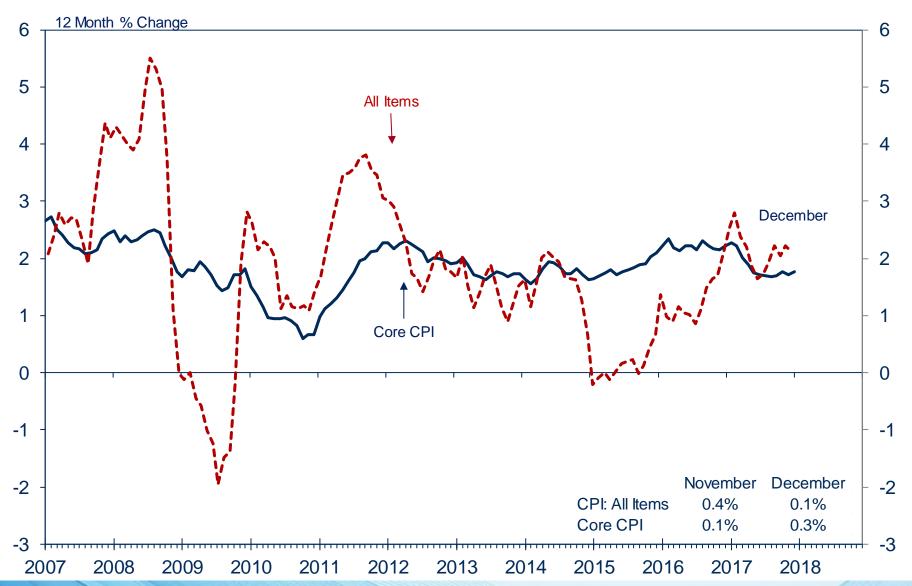
### **Average Hourly Earnings**



### **Labor Productivity, Nonfarm Business**



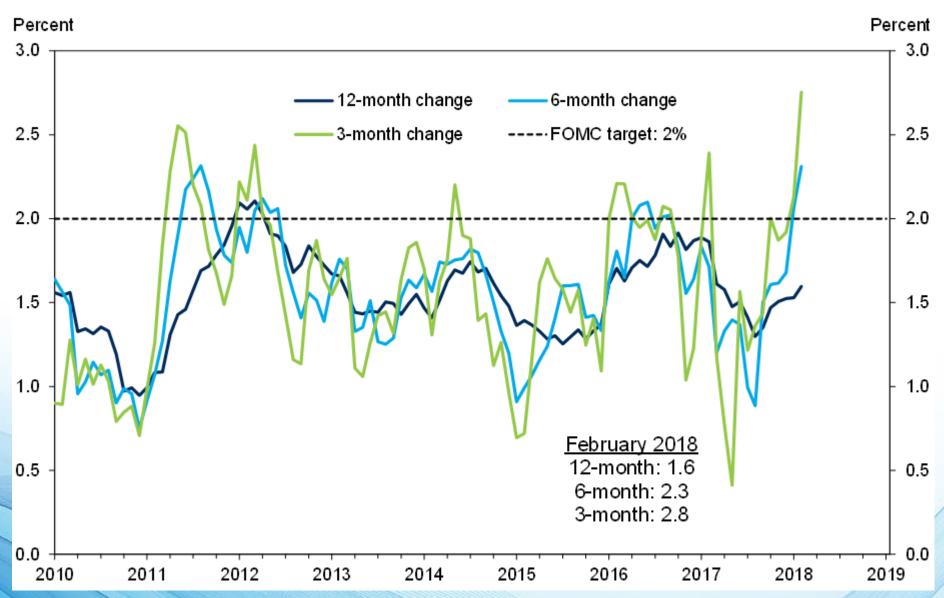
#### **Consumer Price Indexes**





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#### **Core Personal Consumption Expenditure Price Indexes**



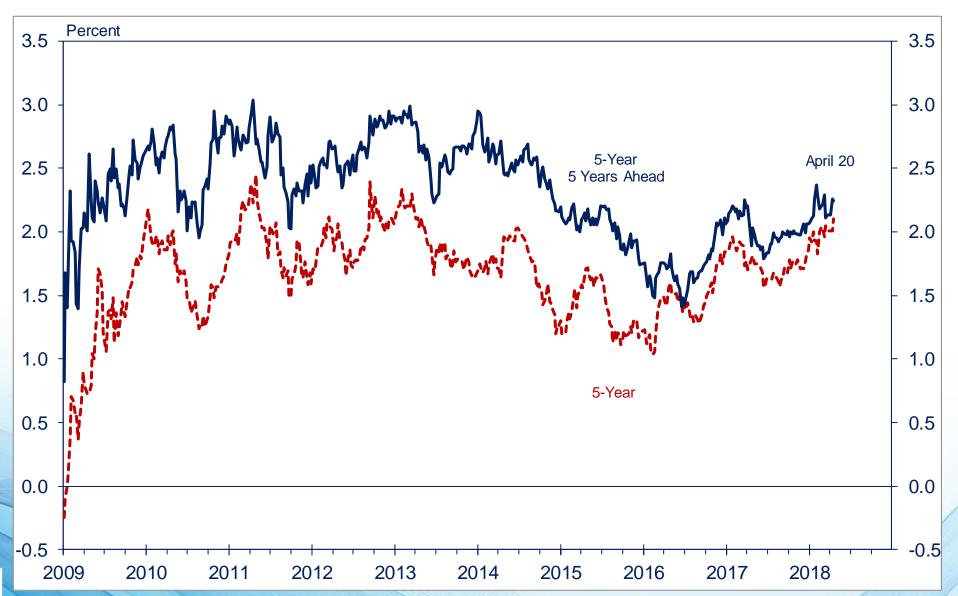


#### **Exchange Value of the USD**



Notes: Measured as the real broad trade-we

#### **TIPS Inflation Compensation**





### **FOMC Meeting Participants' Forecasts**

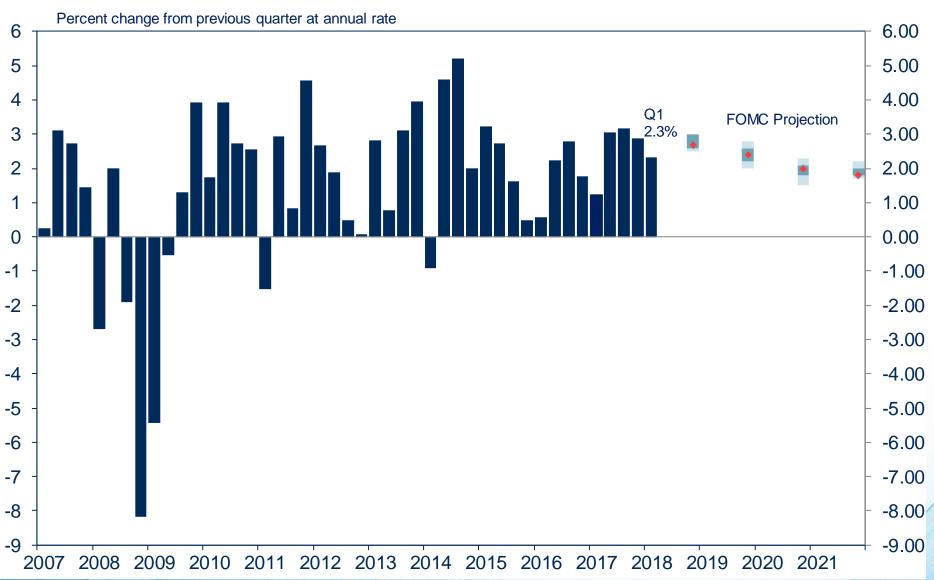
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#### **Real Gross Domestic Product**



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Note: Projection is the median, central tendency, and range from the March 2018 Summary of Economic Projections. Red dots indicate median projections. Projections of change in real gross domestic product (GDP) are from the fourth quarter of the previous year to the fourth quarter of the year indicated.

Source: Bureau of Economic Analysis via Haver Analytics & Federal Reserve Board

#### **Unemployment Rate**



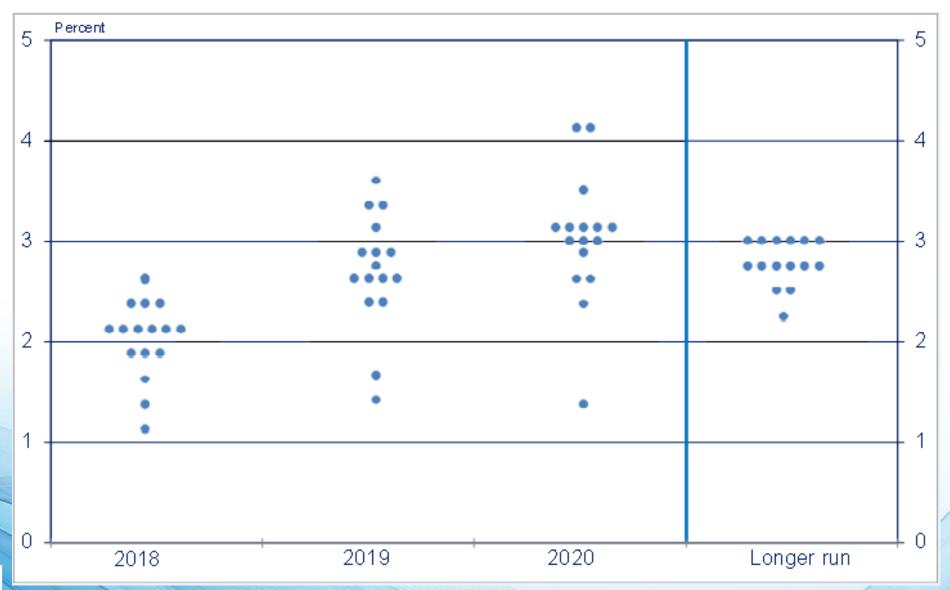
FEDERAL RESERVE BANK OF RICHMOND° Notes: FOMC projection is the median, range, and central tendency for the Q4 levels, from the March 2018 meeting. Red dots indicate median projections

#### **Personal Consumption Expenditure Price Index**





#### **Summary of Economic Projections: Federal Funds Rate**



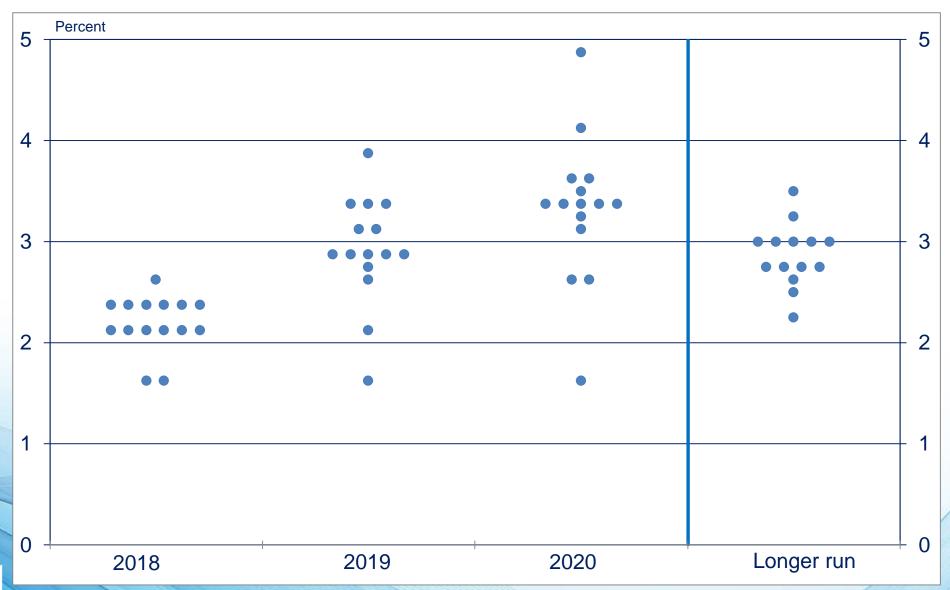
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Note: Each dot in the chart represents the value of an FOMC participant's judgment of the midpoint of the appropriate target range (or the appropriate target level) for the federal funds rate at the end of the calendar year.

**Projections made for the December 2017 meeting.** 

Source: Board of Governors

#### **Summary of Economic Projections: Federal Funds Rate**



FEDERAL RESERVE BANK OF RICHMOND° Note: Each dot in the chart represents the value of an FOMC participant's judgment of the midpoint of the appropriate target range (or the appropriate target level) for the federal funds rate at the end of the calendar year.

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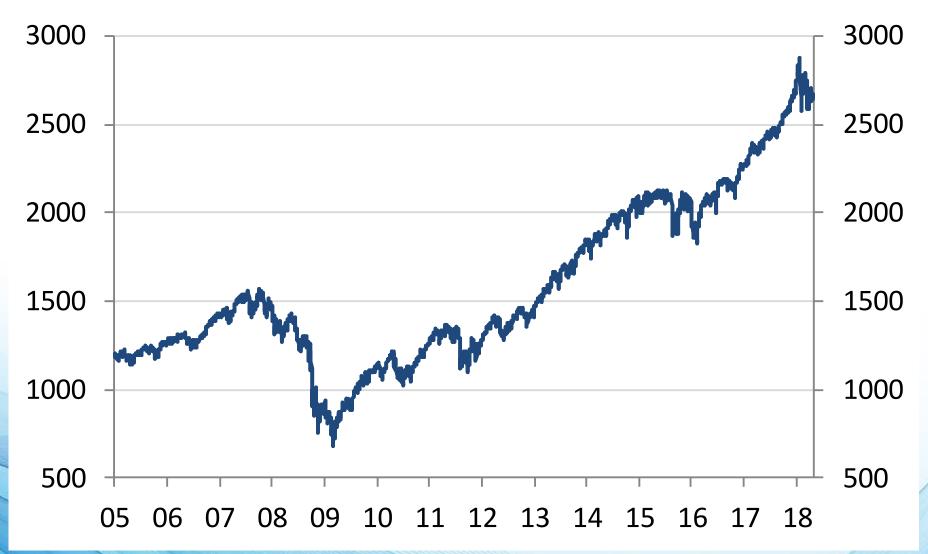
Source: Board of Governors

### **Capital Market Rates**



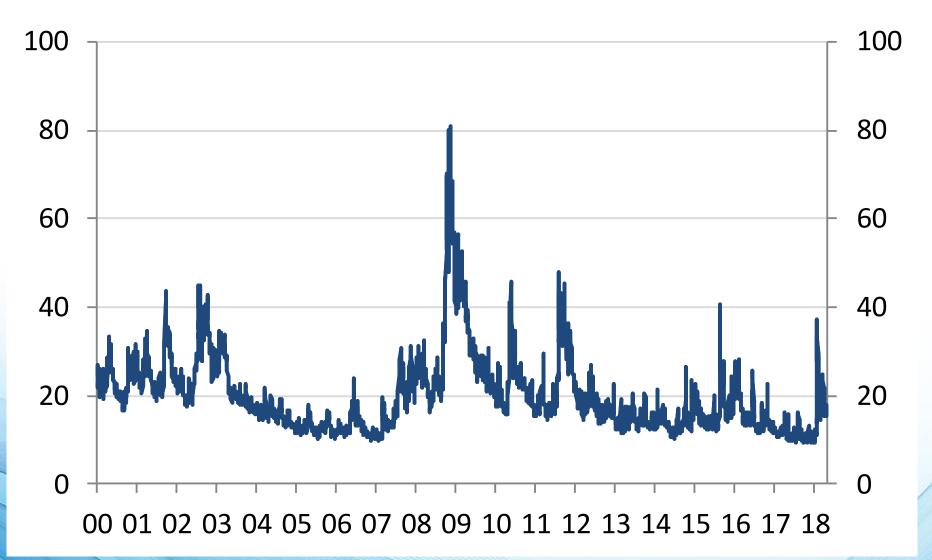
#### **S&P 500**

Index (1941-43=10)



#### **CBOE Volatility Index (VIX)**

Imputed volatility over the next 30 days



#### **Crude Oil Prices**



Notes: Spot and Futures Prices are for Brent Crude Oil.



## Trade and Tariffs

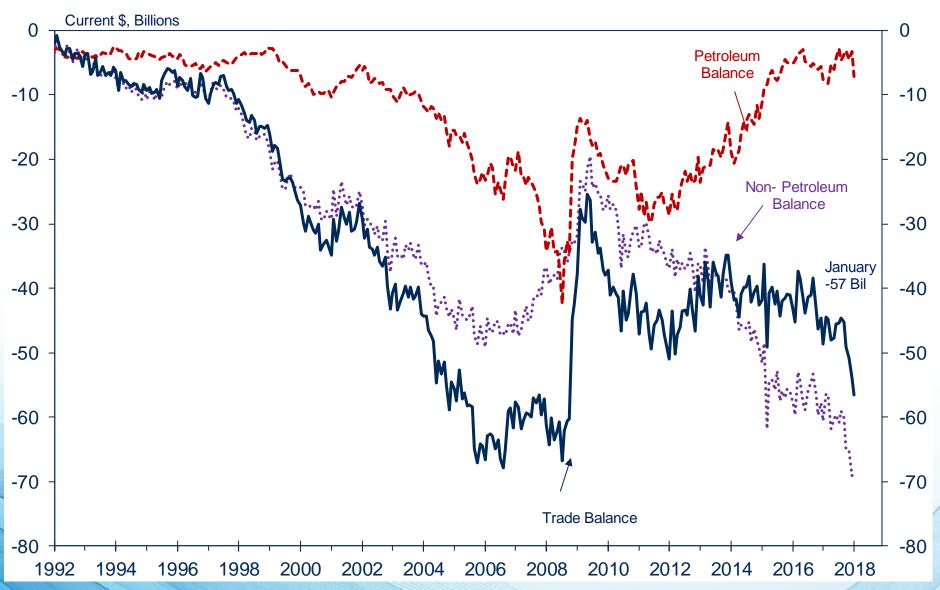
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#### **Balance of International Trade**



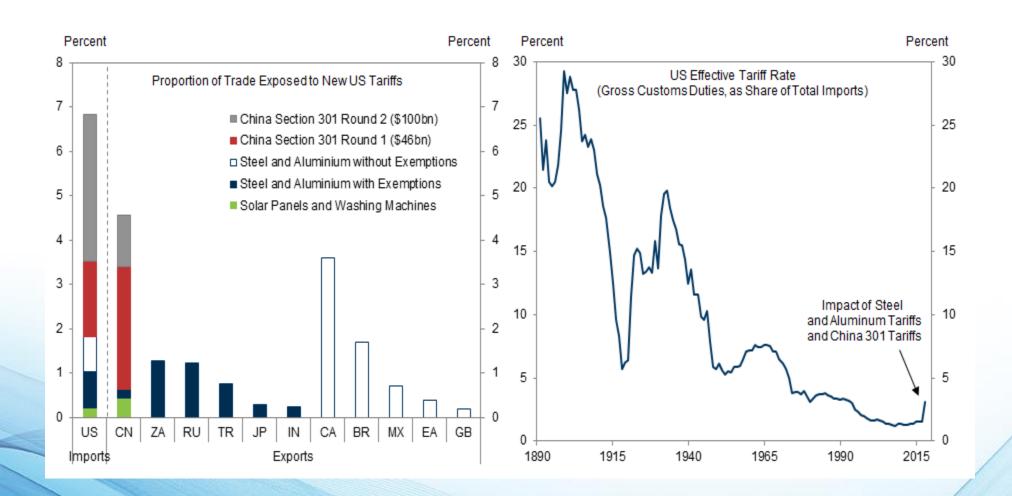
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Note: Customs Value of Trade Balance

### Tariffs: The "War of Words" so far

- January 23, 2018
  - Tariffs on solar panels (50%) and washing machines (20%)
- March 23, 2018
  - Tariffs on steel (25%) and aluminum (20%)
  - National security justification ("Section 232")
  - NAFTA and main trading partners exempted until May 1
- April 3, 2018
  - Tariffs on 1300 goods imported from China (25%)
  - Unfair trade and intellectual property rights ("Section 301")
- April 4, 2018
  - China responds with tariffs on 250 US goods (10-25%)

# Tariffs: Some Perspective





# Trade, Tariffs and the Economy

- Size of the trade balance depends on domestic saving and investment
- Pattern of trade depends on a country's endowments which change slowly
- Much of political discussion about trade and its effects is beside the point
  - Tariffs are unambiguously harmful to the economy, even harm protected industry in the longer run
  - Focus should be on technological change, adjustment, and social policy responses

### Determinants of Trade: Size

- Size of the trade balance depends on domestic savings and investment
  - High saver countries have trade balance surpluses (GY, CH, JP), low saver countries have deficits (US, AU)
- Importantly, a trade deficit in and of itself is not a bad thing, a function of a capital account surplus.
  - Trade deficit can be said differently as "vital capitalcreating, job-generating foreign investment surplus for a better America."
  - But it may be a symptom of macroeconomic ill that should be addressed with macroeconomic policy tools

### Determinants of Trade: Pattern

- Composition of trade determined by:
  - Endowments: capital, labor, natural resources
  - Productivity
  - Policy: tax regime, tariffs, regulation
- Endowments can be affected by policy, but change slowly
  - Technological change
  - Immigration
  - Free capital movement, FDI
  - Human capital investment

## The Economics of Tariffs

- Tariffs/trade restrictions distort efficient allocation of resources and prevent structural change
  - Raise prices and reduce demand possibly up to the point where even the protected industries are hurt
  - For instance, steel-using companies employ many more people than steel-producing ones
- Tariffs are usually the result of rent-seeking behavior in declining industries
  - Can be addressed by productivity- and process improvement to move up the value chain; social policy

#### **Questions/comments**