

30TH ANNUAL
ECONOMIC
OUTLOOK
SYMPOSIUM



F R I D A Y , D E C E M B E R 2 , 2 0 1 6

Consensus Outlook for 2017

William A. Strauss

Senior Economist and Economic Advisor

Federal Reserve Bank of Chicago

2015 Economic Outlook Symposium

Forecast Winners

| | | |
|--|--|--|
| Overall | Dennis Yaccarino - City of Milwaukee | |
| GDP, current dollars | William V. Rapp - New Jersey Institute of Technology | Robert J. Kolbe - RJK Enterprises, Inc. |
| GDP price index, chain-type | Thomas Synnott - Cooper Union Science and Art | John Silvia - Wells Fargo |
| Real GDP, chained dollars | William V. Rapp - New Jersey Institute of Technology | |
| Personal consumption expenditures | Kenny Vieth - ACT Research | |
| Business fixed investment | Megan Fietsam - State Farm Insurance | |
| Residential investment | David Lauer - Bureau of Labor Statistics | |
| Change in private inventories | Todd Tomalak - John Burns Real Estate Consulting | |
| Net exports | Robert J. Kolbe - RJK Enterprises, Inc. | |
| Government consumption expenditures and gross investment | Bernard J. Paniak - BJP Economics | Emily Camfield - Wisconsin Department of Revenue |
| Industrial production | Craig Miller - ACG Chicago, Inc. | |
| Car & light truck sales | Romina Soria - Wisconsin DOR | Todd Tomalak - John Burns Real Estate Consulting |
| Housing starts | William V. Rapp - New Jersey Institute of Technology | |
| Oil Price | William V. Rapp - New Jersey Institute of Technology | |
| Unemployment rate | Bill Hickey - DTE Energy | |
| Inflation rate (CPI) | Robert Dicianni - ArcelorMittal USA LLC | |
| Treasury constant maturity one-year rate | Thomas Synnott - Cooper Union Science and Art | |
| Treasury constant maturity ten-year rate | Carl Tannenbaum - Northern Trust | |
| J.P. Morgan broad nominal effective exchange rate | Diane Swonk - Mesirov Financial | |

Table 1 - Median Forecast of GDP and Related Items

| | 2015 | 2016 | 2017 | Q316 | Q416 | Q117 | Q217 | Q317 | Q417 |
|---|----------|-----------------|-----------------|----------|-----------------|-----------------|-----------------|-----------------|-----------------|
| GDP, current dollars* | 3.0% | 3.4% | 4.0% | 4.4% | 4.1% | 3.9% | 4.1% | 4.2% | 4.0% |
| GDP price index, chain-type* | 1.1% | 1.4% | 2.1% | 1.5% | 1.4% | 1.8% | 2.1% | 2.1% | 1.9% |
| Real GDP, chained dollars* | 1.9% | 1.8% | 2.2% | 2.9% | 2.1% | 2.1% | 2.3% | 2.3% | 2.2% |
| Personal consumption expenditures* | 2.6% | 2.6% | 2.3% | 2.1% | 2.4% | 2.2% | 2.3% | 2.4% | 2.2% |
| Business fixed investment* | 0.8% | 0.1% | 3.2% | 1.1% | 1.8% | 2.7% | 3.0% | 3.2% | 2.9% |
| Residential investment* | 13.1% | -1.1% | 4.5% | -6.2% | 2.4% | 3.7% | 5.5% | 5.0% | 3.0% |
| Change in private inventories (billions of constant dollars)** | \$56.9 | \$23.4 | \$44.2 | \$12.6 | \$23.4 | \$22.6 | \$30.0 | \$35.0 | \$44.2 |
| Net exports of goods and services (billions of constant dollars)** | -\$566.6 | -\$537.4 | -\$563.5 | -\$522.9 | -\$537.4 | -\$558.2 | -\$564.2 | -\$553.8 | -\$563.5 |
| Government consumption expenditures and gross investment* | 2.2% | 0.3% | 1.1% | 0.5% | 0.9% | 1.1% | 1.0% | 1.0% | 1.1% |
| Industrial production* | -1.6% | 0.1% | 1.9% | 2.1% | 1.0% | 1.7% | 2.2% | 2.1% | 2.1% |
| Car & light truck sales (millions - calendar year including imports)*** | 17.4 | 17.4 | 17.3 | 17.5 | 17.5 | 17.3 | 17.3 | 17.3 | 17.3 |
| Housing starts (millions)*** | 1.11 | 1.15 | 1.20 | 1.15 | 1.16 | 1.18 | 1.19 | 1.20 | 1.20 |
| Oil price (dollars per barrel of West Texas Intermediate)** | \$42.02 | \$47.93 | \$51.53 | \$44.89 | \$47.93 | \$48.91 | \$49.41 | \$50.48 | \$51.53 |
| Unemployment rate** | 5.0% | 4.9% | 4.8% | 4.9% | 4.9% | 4.8% | 4.8% | 4.8% | 4.8% |
| Inflation rate (consumer price index)* | 0.4% | 1.4% | 2.0% | 1.6% | 1.9% | 1.8% | 2.1% | 2.3% | 2.2% |
| Treasury constant maturity one-year rate** | 0.46% | 0.71% | 1.33% | 0.56% | 0.71% | 0.84% | 1.00% | 1.10% | 1.33% |
| Treasury constant maturity ten-year rate** | 2.19% | 1.90% | 2.36% | 1.56% | 1.90% | 2.00% | 2.18% | 2.26% | 2.36% |
| J.P. Morgan trade weighted OECD dollar* | 11.6% | 1.8% | 4.7% | 0.9% | 1.5% | 1.6% | 0.8% | 1.0% | 1.0% |

*Annual: Q4 over Q4 **Quarterly**: Quarter to Quarter change, annual rate

**Annuals are Q4 value

***Annuals are yearly average

Table 2 - Mean Forecast of GDP and Related Items

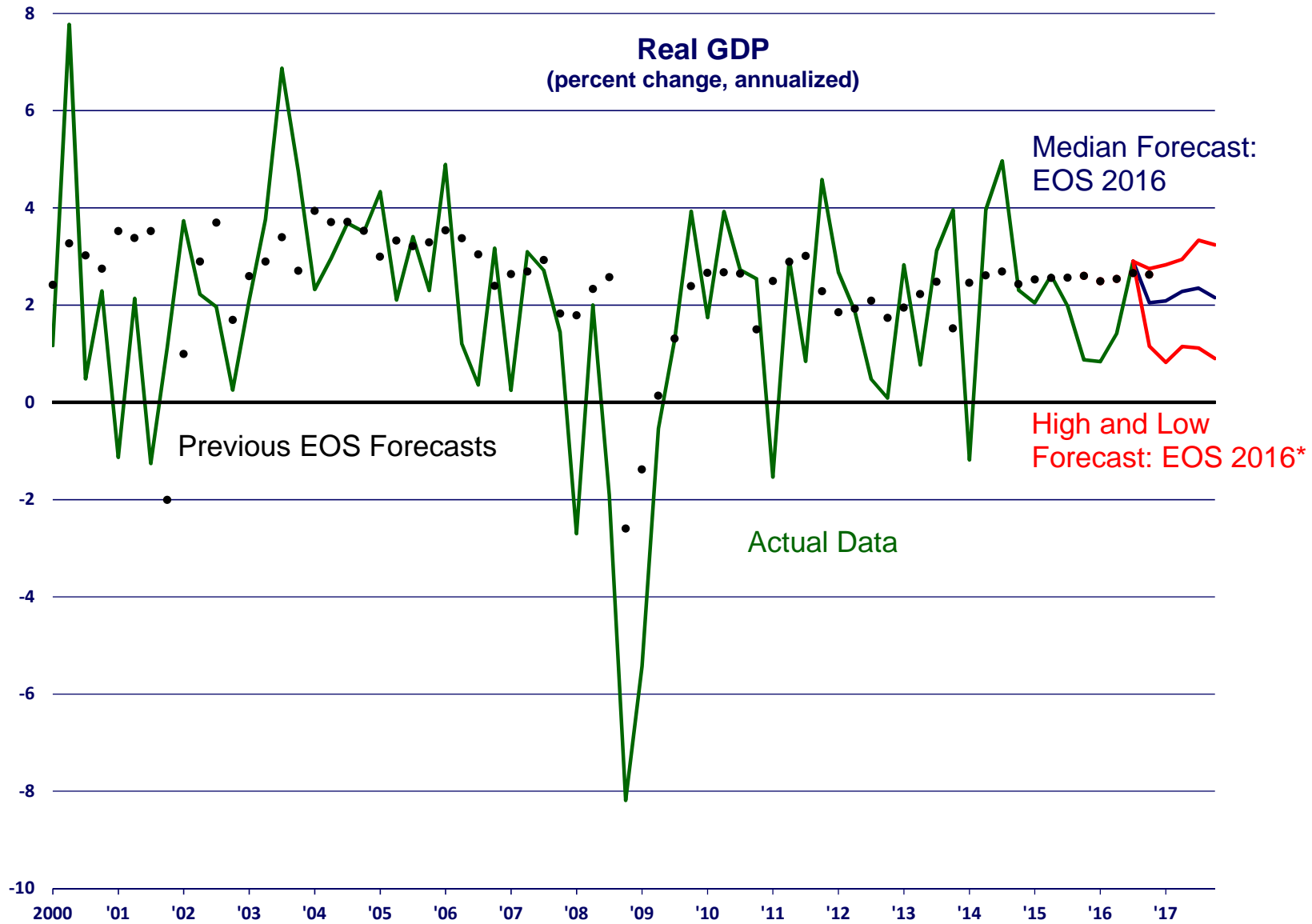
| | 2015 | 2016 | 2017 | Q316 | Q416 | Q117 | Q217 | Q317 | Q417 |
|---|----------|-----------------|-----------------|----------|-----------------|-----------------|-----------------|-----------------|-----------------|
| GDP, current dollars* | 3.0% | 3.2% | 3.7% | 4.4% | 3.5% | 3.5% | 3.8% | 3.7% | 3.6% |
| GDP price index, chain-type* | 1.1% | 1.5% | 2.0% | 1.5% | 1.6% | 1.9% | 2.2% | 2.0% | 1.9% |
| Real GDP, chained dollars* | 1.9% | 1.8% | 2.1% | 2.9% | 2.0% | 1.9% | 2.2% | 2.2% | 2.1% |
| Personal consumption expenditures* | 2.6% | 2.5% | 2.3% | 2.1% | 2.1% | 2.2% | 2.3% | 2.6% | 2.2% |
| Business fixed investment* | 0.8% | 0.4% | 2.9% | 1.1% | 3.1% | 2.6% | 3.1% | 2.9% | 3.1% |
| Residential investment* | 13.1% | -1.0% | 4.2% | -6.2% | 3.1% | 3.3% | 5.8% | 4.7% | 3.2% |
| Change in private inventories (billions of constant dollars)** | \$56.9 | \$24.7 | \$40.6 | \$12.6 | \$24.7 | \$26.3 | \$30.9 | \$34.2 | \$40.6 |
| Net exports of goods and services (billions of constant dollars)** | -\$566.6 | -\$541.7 | -\$571.0 | -\$522.9 | -\$541.7 | -\$549.4 | -\$559.3 | -\$553.7 | -\$571.0 |
| Government consumption expenditures and gross investment* | 2.2% | 0.3% | 0.7% | 0.5% | 0.9% | 0.7% | 0.8% | 0.8% | 0.6% |
| Industrial production* | -1.6% | 0.1% | 1.7% | 2.1% | 1.0% | 1.3% | 2.0% | 1.8% | 1.7% |
| Car & light truck sales (millions - calendar year including imports)*** | 17.4 | 17.5 | 17.4 | 17.5 | 17.5 | 17.3 | 17.3 | 17.3 | 17.3 |
| Housing starts (millions)*** | 1.11 | 1.16 | 1.22 | 1.15 | 1.17 | 1.16 | 1.19 | 1.21 | 1.23 |
| Oil price (dollars per barrel of West Texas Intermediate)** | \$42.02 | \$47.28 | \$52.16 | \$44.89 | \$47.28 | \$47.75 | \$49.46 | \$49.48 | \$52.16 |
| Unemployment rate** | 5.0% | 4.9% | 4.8% | 4.9% | 4.9% | 4.9% | 4.8% | 4.8% | 4.8% |
| Inflation rate (consumer price index)* | 0.4% | 1.5% | 2.0% | 1.6% | 2.2% | 1.7% | 2.0% | 2.2% | 2.0% |
| Treasury constant maturity one-year rate** | 0.46% | 0.68% | 1.23% | 0.56% | 0.68% | 0.84% | 0.99% | 1.10% | 1.23% |
| Treasury constant maturity ten-year rate** | 2.19% | 1.92% | 2.44% | 1.56% | 1.92% | 2.06% | 2.22% | 2.34% | 2.44% |
| J.P. Morgan trade weighted OECD dollar* | 11.6% | 3.4% | 15.7% | 0.9% | 3.1% | 3.1% | 3.7% | 3.4% | 3.6% |

*Annual: Q4 over Q4 **Quarterly:** Quarter to Quarter change, annual rate

**Annuals are Q4 value

***Annuals are yearly average

Figure 1 - Forecast of GDP and Related Items



* Excludes the two highest and lowest forecasts.

Figure 2 - Forecast of GDP and Related Items

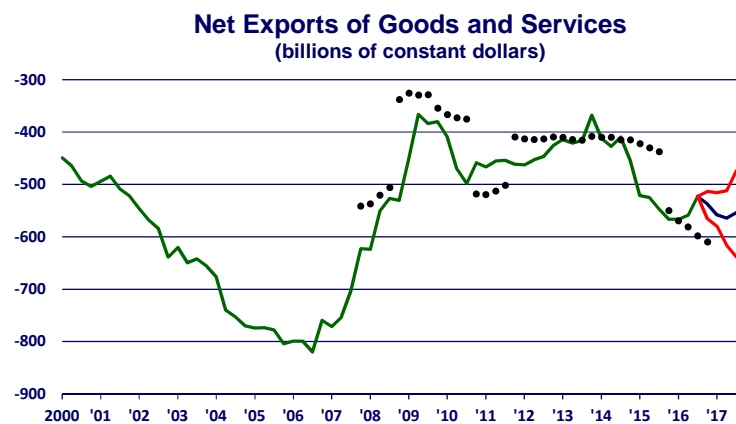
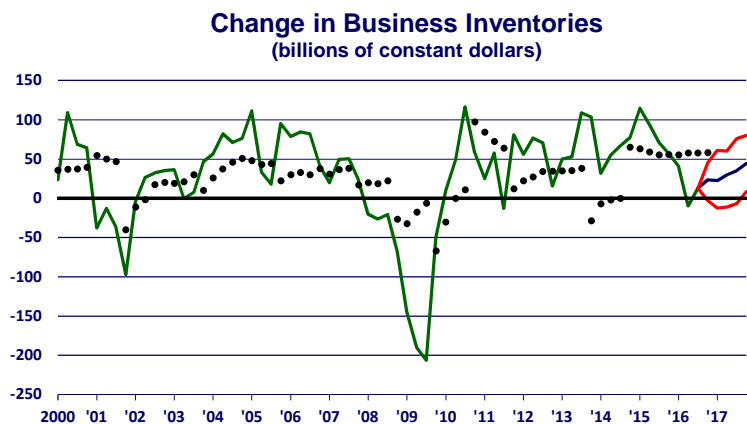
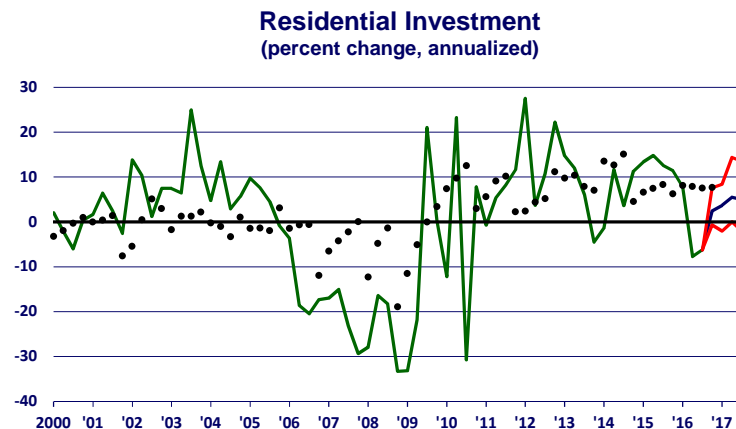
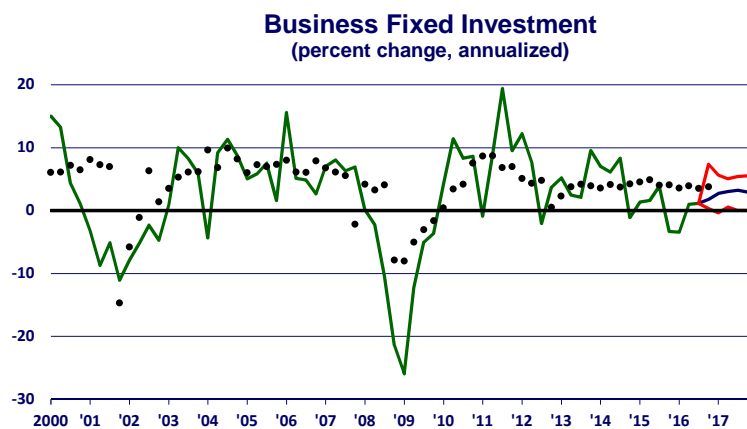
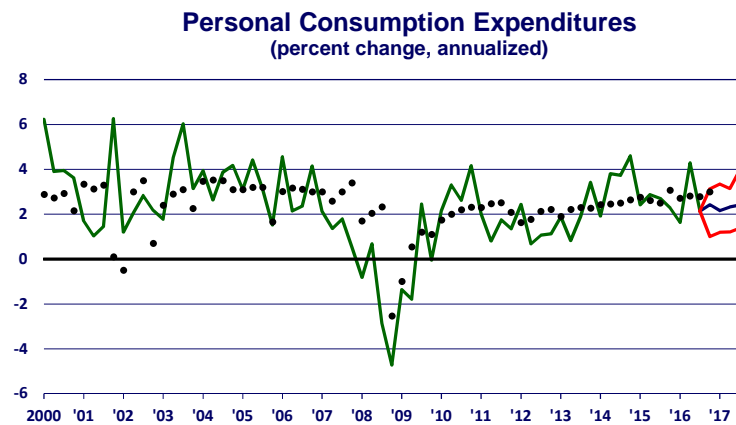
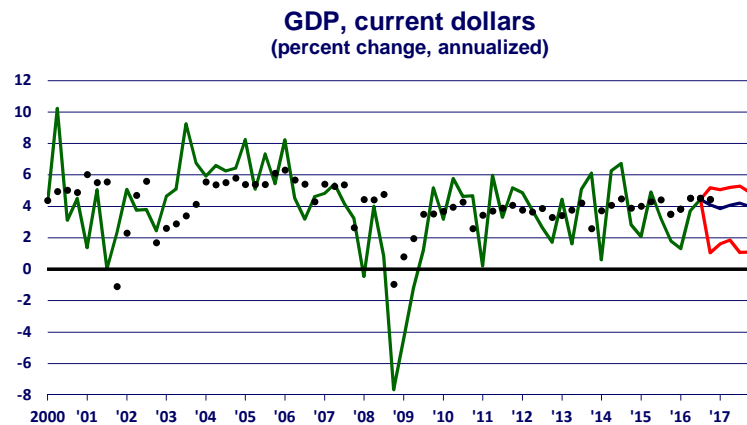


Figure 3 - Forecast of GDP and Related Items

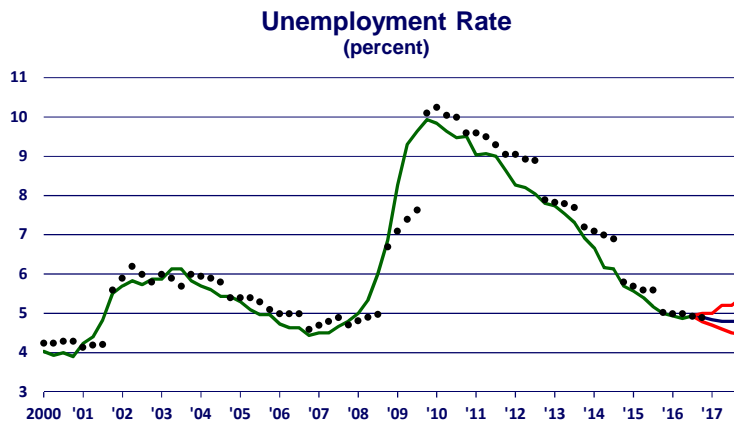
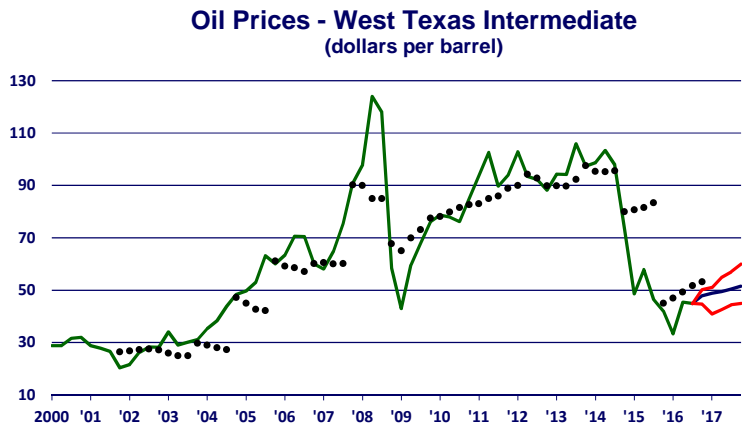
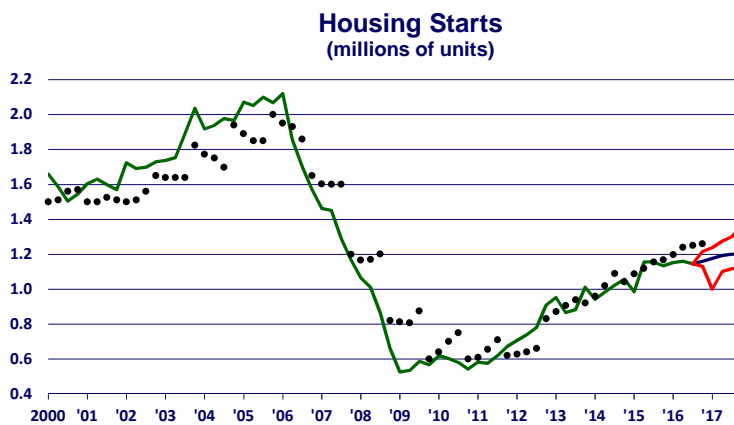
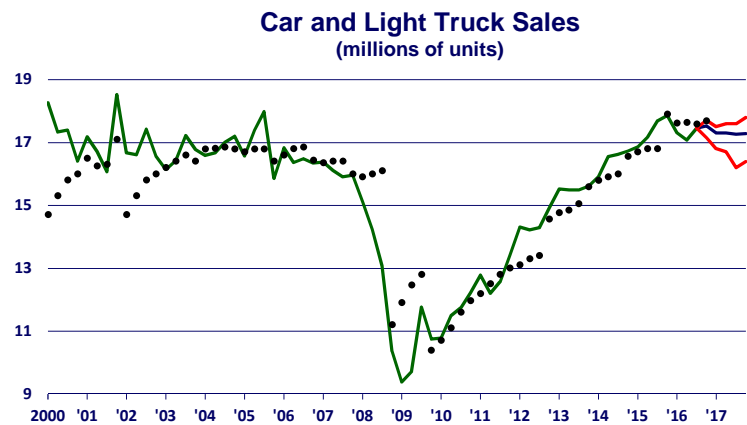
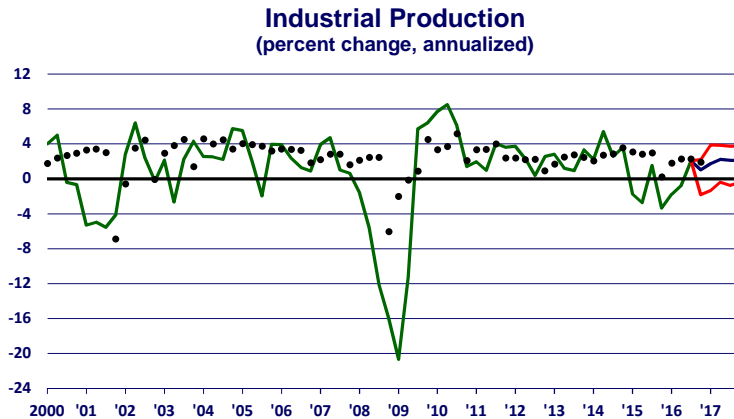
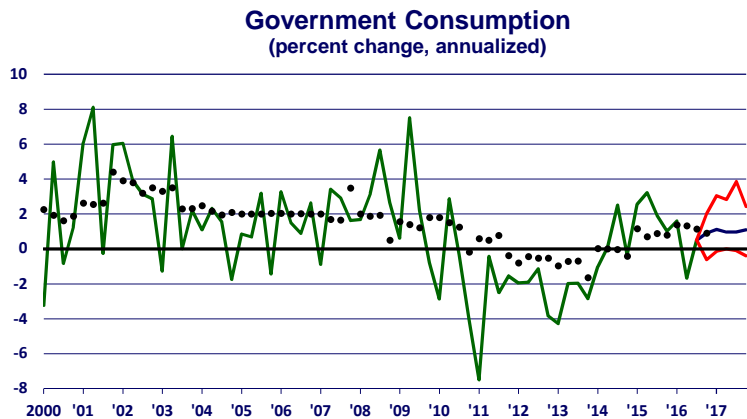
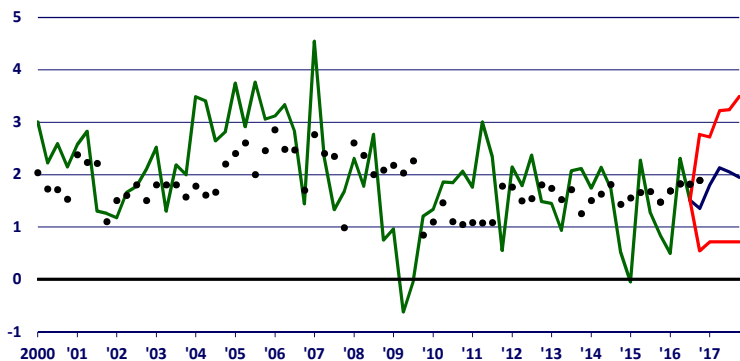
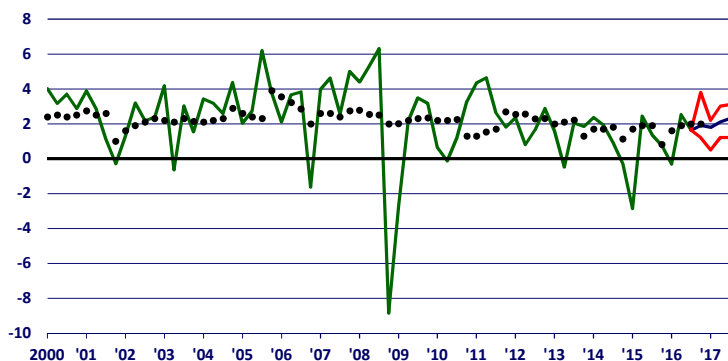


Figure 4 - Forecast of GDP and Related Items

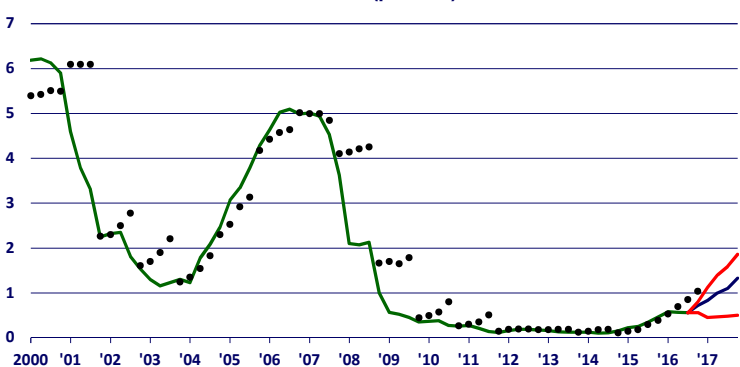
GDP Price Index, Chain-Type
(percent change, annualized)



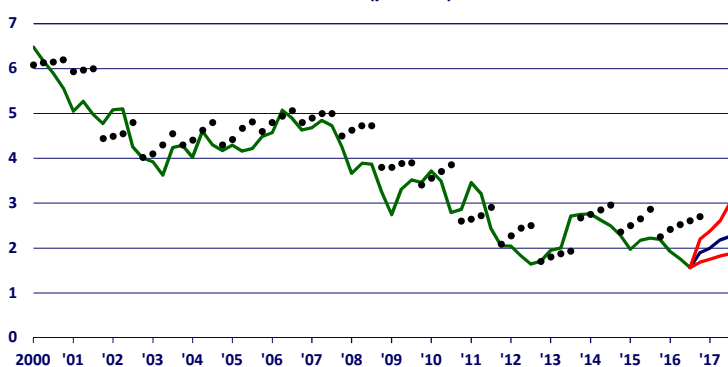
Inflation Rate (CPI)
(percent change, annualized)



Treasury One-Year Rate
(percent)



Treasury Ten-Year Rate
(percent)



J.P. Morgan Trade Weighted Dollar
(percent change, annualized)

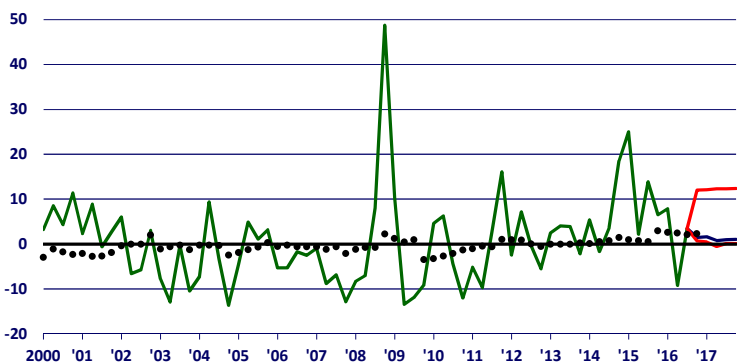


Table 3 - GDP, Current Dollars

| Individual | Q4 over Q4 | | | Q316 | Q416 | Q117 | Q217 | Q317 | Q417 |
|------------|------------|------|------|------|-------|------|------|------|------|
| | 2015 | 2016 | 2017 | | | | | | |
| | 3.0% | | | 4.4% | | | | | |
| 1 | | 3.5% | 6.2% | | 4.4% | 5.1% | 5.8% | 6.3% | 7.6% |
| 8 | | 2.8% | 5.1% | | 1.7% | 5.3% | 4.7% | 5.3% | 5.0% |
| 6 | | 3.1% | 4.8% | | 2.8% | 4.4% | 5.0% | 5.0% | 4.9% |
| 11 | | 3.2% | 4.8% | | 3.2% | 4.3% | 6.5% | 4.2% | 4.2% |
| 9 | | 3.7% | 4.7% | | 5.5% | 5.0% | 5.2% | 4.4% | 4.2% |
| 13 | | 3.7% | 4.6% | | 5.4% | 4.6% | 4.0% | 5.3% | 4.4% |
| 3 | | 3.5% | 4.6% | | 4.6% | 4.5% | 4.6% | 4.6% | 4.5% |
| 4 | | 3.6% | 4.5% | | 4.9% | 4.6% | 4.5% | 4.7% | 4.2% |
| 10 | | 3.4% | 4.4% | | 4.1% | 4.5% | 4.5% | 4.4% | 4.2% |
| 19 | | 3.4% | 4.3% | | 4.1% | 3.6% | 4.5% | 4.7% | 4.5% |
| 18 | | 3.5% | 4.3% | | 4.5% | 2.8% | 4.3% | 5.9% | 4.2% |
| 15 | | 3.4% | 4.3% | | 4.1% | 4.3% | 4.2% | 4.2% | 4.4% |
| 25 | | 3.6% | 4.2% | | 4.8% | 4.5% | 4.4% | 4.3% | 3.6% |
| 22 | | 3.5% | 4.2% | | 4.4% | 3.9% | 4.4% | 4.2% | 4.2% |
| 7 | | 3.4% | 4.0% | | 4.2% | 3.7% | 4.0% | 4.2% | 4.3% |
| 14 | | 3.3% | 4.0% | | 3.7% | 4.0% | 4.1% | 4.1% | 4.0% |
| 2 | | 3.2% | 4.0% | | 3.2% | 4.2% | 3.9% | 3.9% | 4.0% |
| 21 | | 3.4% | 4.0% | | 4.2% | 3.7% | 4.1% | 4.0% | 4.1% |
| 16 | | 3.2% | 3.9% | | 3.4% | 2.7% | 3.6% | 5.1% | 4.4% |
| 20 | | 3.5% | 3.9% | | 4.5% | 4.1% | 3.8% | 3.8% | 4.0% |
| 29 | | 3.6% | 3.9% | | 4.8% | 4.4% | 4.4% | 3.9% | 2.9% |
| 5 | | 3.2% | 3.6% | | 3.2% | 2.1% | 4.3% | 4.3% | 3.8% |
| 26 | | 3.3% | 3.6% | | 4.0% | 3.7% | 3.7% | 3.4% | 3.6% |
| 30 | | 3.6% | 3.5% | | 5.2% | 4.5% | 4.0% | 2.8% | 2.7% |
| 27 | | 3.1% | 3.2% | | 2.8% | 2.1% | 4.2% | 3.9% | 2.7% |
| 32 | | 2.6% | 2.7% | | 1.0% | 2.7% | 2.7% | 2.7% | 2.7% |
| 24 | | 2.7% | 2.3% | | 1.3% | 1.6% | 2.4% | 2.8% | 2.4% |
| 17 | | 3.6% | 2.2% | | 5.0% | 2.4% | 2.4% | 1.4% | 2.6% |
| x2 | | 2.9% | 1.9% | | 2.1% | 3.0% | 1.9% | 0.5% | 2.1% |
| 12 | | 3.0% | 1.7% | | 2.7% | 1.6% | 2.1% | 1.1% | 2.1% |
| 28 | | 2.6% | 1.6% | | 1.1% | 2.2% | 2.1% | 1.1% | 1.1% |
| 31 | | 2.8% | 1.3% | | 1.8% | 1.7% | 1.3% | 1.3% | 1.1% |
| 23 | | 2.3% | 0.5% | | -0.1% | 0.5% | 0.5% | 0.5% | 0.3% |
| MEDIAN | | 3.4% | 4.0% | | 4.1% | 3.9% | 4.1% | 4.2% | 4.0% |
| MEAN | | 3.2% | 3.7% | | 3.5% | 3.5% | 3.8% | 3.7% | 3.6% |
| STD DEV | | 0.3% | 1.2% | | 1.4% | 1.2% | 1.2% | 1.5% | 1.3% |
| HIGH | | 3.7% | 6.2% | | 5.5% | 5.3% | 6.5% | 6.3% | 7.6% |
| LOW | | 2.3% | 0.5% | | -0.1% | 0.5% | 0.5% | 0.5% | 0.3% |

Table 4 - GDP Price Index, Chain-type

| Individual | Q4 over Q4 | | | Q316 | Q416 | Q117 | Q217 | Q317 | Q417 |
|------------|------------|------|------|------|------|------|------|------|------|
| | 2015 | 2016 | 2017 | | | | | | |
| | 1.1% | | | 1.5% | | | | | |
| 28 | | 1.4% | 4.5% | | 1.1% | 3.6% | 7.3% | 3.5% | 3.5% |
| 32 | | 1.4% | 3.2% | | 1.2% | 2.7% | 3.2% | 3.2% | 3.6% |
| 1 | | 1.6% | 2.8% | | 2.2% | 2.5% | 2.9% | 2.8% | 3.2% |
| 4 | | 1.4% | 2.7% | | 1.1% | 1.8% | 1.8% | 3.6% | 3.6% |
| 3 | | 1.7% | 2.4% | | 2.4% | 2.3% | 2.5% | 2.5% | 2.3% |
| 29 | | 1.8% | 2.4% | | 2.9% | 2.5% | 3.2% | 2.5% | 1.4% |
| 25 | | 1.8% | 2.4% | | 2.8% | 2.5% | 2.7% | 2.5% | 1.8% |
| 24 | | 1.4% | 2.3% | | 1.3% | 1.6% | 2.3% | 2.8% | 2.3% |
| 13 | | 1.4% | 2.2% | | 1.1% | 1.8% | 2.5% | 2.9% | 1.8% |
| 9 | | 1.7% | 2.2% | | 2.6% | 2.2% | 2.5% | 2.1% | 2.1% |
| 6 | | 1.4% | 2.2% | | 1.3% | 2.2% | 2.1% | 2.1% | 2.2% |
| 30 | | 1.9% | 2.2% | | 3.2% | 2.7% | 3.0% | 1.9% | 1.0% |
| 11 | | 1.3% | 2.1% | | 0.8% | 1.8% | 2.2% | 2.1% | 2.5% |
| 19 | | 1.6% | 2.1% | | 2.0% | 1.4% | 2.2% | 2.3% | 2.4% |
| 22 | | 1.7% | 2.1% | | 2.3% | 2.1% | 2.1% | 2.0% | 2.1% |
| 18 | | 1.6% | 2.1% | | 2.1% | 1.5% | 2.2% | 2.3% | 2.4% |
| 8 | | 1.3% | 2.1% | | 0.8% | 3.6% | 2.9% | 0.7% | 1.1% |
| 21 | | 1.6% | 2.0% | | 2.1% | 1.9% | 2.0% | 2.0% | 2.1% |
| 10 | | 1.6% | 2.0% | | 2.1% | 1.8% | 2.1% | 2.0% | 2.0% |
| 12 | | 1.5% | 2.0% | | 1.9% | 1.4% | 2.1% | 2.1% | 2.1% |
| 15 | | 1.6% | 2.0% | | 2.0% | 1.8% | 2.0% | 2.0% | 2.1% |
| 23 | | 1.5% | 1.9% | | 1.9% | 2.2% | 1.4% | 2.1% | 1.8% |
| 26 | | 1.5% | 1.8% | | 1.9% | 1.9% | 1.8% | 1.8% | 1.9% |
| 20 | | 1.4% | 1.8% | | 1.3% | 1.8% | 1.8% | 1.8% | 1.8% |
| 14 | | 1.4% | 1.7% | | 1.2% | 1.8% | 1.6% | 1.7% | 1.7% |
| 16 | | 1.4% | 1.7% | | 1.2% | 1.4% | 1.8% | 1.8% | 1.8% |
| 7 | | 1.4% | 1.5% | | 1.4% | 1.4% | 1.5% | 1.6% | 1.6% |
| 27 | | 1.3% | 1.5% | | 1.1% | 1.3% | 2.0% | 1.6% | 1.1% |
| 5 | | 1.2% | 1.0% | | 0.5% | 0.3% | 1.3% | 0.9% | 1.4% |
| 2 | | 1.1% | 0.7% | | 0.1% | 0.7% | 0.7% | 0.7% | 0.7% |
| 17 | | 1.3% | 0.7% | | 0.7% | 0.7% | 0.7% | 0.7% | 0.7% |
| 31 | | 1.1% | 0.2% | | 0.2% | 0.2% | 0.2% | 0.2% | 0.2% |
| MEDIAN | | 1.4% | 2.1% | | 1.4% | 1.8% | 2.1% | 2.1% | 1.9% |
| MEAN | | 1.5% | 2.0% | | 1.6% | 1.9% | 2.2% | 2.0% | 1.9% |
| STD DEV | | 0.2% | 0.7% | | 0.8% | 0.8% | 1.1% | 0.8% | 0.8% |
| HIGH | | 1.9% | 4.5% | | 3.2% | 3.6% | 7.3% | 3.6% | 3.6% |
| LOW | | 1.1% | 0.2% | | 0.1% | 0.2% | 0.2% | 0.2% | 0.2% |

Table 5 - Real GDP, Chained Dollars

| Individual | Q4 over Q4 | | | Q316 | Q416 | Q117 | Q217 | Q317 | Q417 |
|------------|------------|------|-------|------|-------|-------|-------|-------|-------|
| | 2015 | 2016 | 2017 | | | | | | |
| | 1.9% | | | 2.9% | | | | | |
| 1 | | 1.8% | 3.3% | | 2.1% | 2.4% | 2.9% | 3.4% | 4.4% |
| 2 | | 2.1% | 3.2% | | 3.2% | 3.4% | 3.1% | 3.2% | 3.2% |
| 3 | | 2.0% | 2.7% | | 2.7% | 2.8% | 2.7% | 2.8% | 2.6% |
| 4 | | 1.8% | 2.7% | | 2.0% | 2.3% | 2.3% | 2.3% | 4.1% |
| 5 | | 1.9% | 2.6% | | 2.6% | 1.9% | 2.9% | 3.3% | 2.4% |
| 6 | | 1.7% | 2.6% | | 1.5% | 2.1% | 2.8% | 2.8% | 2.6% |
| 7 | | 2.0% | 2.5% | | 2.7% | 2.3% | 2.4% | 2.6% | 2.7% |
| 8 | | 1.8% | 2.5% | | 2.2% | 2.9% | 2.4% | 2.5% | 2.1% |
| 9 | | 2.0% | 2.4% | | 2.7% | 2.8% | 2.6% | 2.2% | 2.0% |
| 10 | | 1.8% | 2.4% | | 2.0% | 2.7% | 2.4% | 2.4% | 2.2% |
| 11 | | 1.9% | 2.4% | | 2.4% | -1.2% | 5.9% | 2.6% | 2.4% |
| 12 | | 1.9% | 2.4% | | 2.4% | 2.4% | 2.4% | 2.4% | 2.4% |
| 13 | | 1.9% | 2.4% | | 2.4% | 2.2% | 2.4% | 2.4% | 2.5% |
| 14 | | 1.9% | 2.3% | | 2.4% | 2.2% | 2.4% | 2.3% | 2.2% |
| 15 | | 1.8% | 2.3% | | 2.0% | 2.5% | 2.1% | 2.2% | 2.2% |
| 16 | | 1.8% | 2.2% | | 2.1% | 1.3% | 1.8% | 3.3% | 2.5% |
| 17 | | 1.8% | 2.2% | | 2.1% | 2.4% | 2.4% | 1.4% | 2.6% |
| 18 | | 1.9% | 2.2% | | 2.3% | 1.4% | 2.1% | 3.5% | 1.8% |
| 19 | | 1.8% | 2.2% | | 2.0% | 2.1% | 2.2% | 2.3% | 2.0% |
| 20 | | 2.1% | 2.1% | | 3.1% | 2.2% | 2.0% | 2.0% | 2.2% |
| 21 | | 1.8% | 2.1% | | 2.1% | 2.0% | 2.2% | 2.1% | 2.1% |
| 22 | | 1.8% | 2.0% | | 1.9% | 1.8% | 2.3% | 2.1% | 2.1% |
| 23 | | 1.8% | 2.0% | | 2.0% | 2.0% | 2.0% | 2.0% | 2.0% |
| 24 | | 1.7% | 1.9% | | 1.6% | 1.2% | 2.0% | 2.4% | 2.0% |
| 25 | | 1.8% | 1.8% | | 1.9% | 2.1% | 1.6% | 1.7% | 1.8% |
| 26 | | 1.8% | 1.8% | | 2.0% | 1.8% | 2.0% | 1.6% | 1.7% |
| 27 | | 1.5% | 1.5% | | 0.9% | 0.8% | 1.5% | 2.8% | 1.0% |
| 28 | | 1.6% | 1.5% | | 1.2% | 1.2% | 2.4% | 2.4% | 0.0% |
| 29 | | 1.7% | 1.5% | | 1.7% | 1.9% | 1.2% | 1.2% | 1.7% |
| 30 | | 1.8% | 1.3% | | 1.9% | 1.7% | 1.0% | 0.9% | 1.7% |
| 31 | | 1.7% | 1.2% | | 1.5% | 1.5% | 1.1% | 1.1% | 0.9% |
| 32 | | 1.2% | -0.5% | | -0.3% | 0.0% | -0.6% | -0.6% | -0.9% |
| MEDIAN | | 1.8% | 2.2% | | 2.1% | 2.1% | 2.3% | 2.3% | 2.2% |
| MEAN | | 1.8% | 2.1% | | 2.0% | 1.9% | 2.2% | 2.2% | 2.1% |
| STD DEV | | 0.2% | 0.7% | | 0.6% | 0.9% | 1.0% | 0.8% | 1.0% |
| HIGH | | 2.1% | 3.3% | | 3.2% | 3.4% | 5.9% | 3.5% | 4.4% |
| LOW | | 1.2% | -0.5% | | -0.3% | -1.2% | -0.6% | -0.6% | -0.9% |

Table 6 - Personal Consumption Expenditures

| Individual | Q4 over Q4 | | | Q316 | Q416 | Q117 | Q217 | Q317 | Q417 |
|------------|------------|------|------|------|-------|------|------|------|------|
| | 2015 | 2016 | 2017 | | | | | | |
| | 2.6% | | | 2.1% | | | | | |
| 28 | | 0.7% | 4.4% | | -5.0% | 3.6% | 7.1% | 7.0% | 0.0% |
| 11 | | 2.7% | 3.2% | | 2.9% | 3.3% | 3.1% | 3.2% | 3.1% |
| 1 | | 2.5% | 3.2% | | 2.0% | 2.6% | 3.0% | 3.0% | 4.1% |
| 3 | | 2.8% | 3.1% | | 3.1% | 3.0% | 2.9% | 3.1% | 3.2% |
| 18 | | 2.6% | 3.0% | | 2.2% | 1.6% | 2.8% | 5.1% | 2.4% |
| 23 | | 2.5% | 2.9% | | 2.0% | 2.2% | 2.8% | 3.2% | 3.2% |
| 5 | | 2.5% | 2.8% | | 1.9% | 2.8% | 3.5% | 2.4% | 2.4% |
| 9 | | 2.8% | 2.6% | | 3.0% | 2.4% | 2.6% | 2.8% | 2.6% |
| 17 | | 2.5% | 2.6% | | 1.9% | 2.8% | 2.1% | 3.8% | 1.7% |
| 12 | | 2.9% | 2.6% | | 3.7% | 1.7% | 1.7% | 3.4% | 3.4% |
| 20 | | 2.6% | 2.5% | | 2.3% | 2.5% | 2.5% | 2.5% | 2.5% |
| 19 | | 2.6% | 2.5% | | 2.5% | 2.2% | 2.4% | 2.6% | 2.7% |
| 15 | | 2.7% | 2.5% | | 2.9% | 2.3% | 2.5% | 2.5% | 2.5% |
| 7 | | 2.7% | 2.4% | | 2.6% | 2.3% | 2.3% | 2.4% | 2.4% |
| 10 | | 2.5% | 2.3% | | 2.0% | 2.1% | 2.4% | 2.5% | 2.3% |
| x2 | | 2.7% | 2.3% | | 2.8% | 2.2% | 2.3% | 2.4% | 2.3% |
| 4 | | 2.5% | 2.2% | | 1.9% | 3.5% | 1.7% | 1.7% | 2.0% |
| 16 | | 2.8% | 2.2% | | 3.0% | 2.0% | 2.6% | 2.2% | 2.0% |
| 30 | | 2.6% | 2.2% | | 2.5% | 2.3% | 2.2% | 2.2% | 2.2% |
| 22 | | 2.6% | 2.2% | | 2.3% | 2.2% | 2.4% | 2.3% | 1.9% |
| 14 | | 2.5% | 2.1% | | 2.1% | 2.0% | 2.1% | 2.2% | 2.2% |
| 26 | | 2.6% | 2.0% | | 2.5% | 2.1% | 2.1% | 2.1% | 1.9% |
| 6 | | 2.6% | 2.0% | | 2.4% | 1.7% | 2.0% | 2.1% | 2.3% |
| 21 | | 2.6% | 2.0% | | 2.4% | 1.8% | 2.1% | 2.2% | 2.0% |
| 25 | | 2.7% | 1.9% | | 2.7% | 1.9% | 1.9% | 1.9% | 2.0% |
| 8 | | 2.9% | 1.8% | | 3.4% | 2.1% | 1.4% | 1.9% | 1.9% |
| 27 | | 2.3% | 1.7% | | 1.0% | 0.6% | 1.2% | 4.0% | 1.1% |
| 29 | | 2.7% | 1.5% | | 2.6% | 1.5% | 1.6% | 1.4% | 1.7% |
| 2 | | 2.6% | 1.4% | | 2.5% | 1.2% | 1.5% | 1.5% | 1.5% |
| 31 | | 2.3% | 1.2% | | 1.0% | 1.4% | 1.2% | 1.0% | 1.0% |
| 24 | | 2.2% | 0.7% | | 0.8% | 0.6% | 0.3% | 0.1% | 1.8% |
| MEDIAN | | 2.6% | 2.3% | | 2.4% | 2.2% | 2.3% | 2.4% | 2.2% |
| MEAN | | 2.5% | 2.3% | | 2.1% | 2.2% | 2.3% | 2.6% | 2.2% |
| STD DEV | | 0.4% | 0.7% | | 1.4% | 0.7% | 1.1% | 1.2% | 0.8% |
| HIGH | | 2.9% | 4.4% | | 3.7% | 3.6% | 7.1% | 7.0% | 4.1% |
| LOW | | 0.7% | 0.7% | | -5.0% | 0.6% | 0.3% | 0.1% | 0.0% |

Table 7 - Business Fixed Investment

| Individual | Q4 over Q4 | | | Q316 | Q416 | Q117 | Q217 | Q317 | Q417 |
|------------|------------|-------|-------|------|-------|-------|-------|-------|-------|
| | 2015 | 2016 | 2017 | | | | | | |
| | 0.8% | | | 1.1% | | | | | |
| 10 | | 0.6% | 5.3% | | 3.7% | 5.6% | 8.3% | 5.4% | 1.9% |
| 6 | | 0.1% | 4.6% | | 1.8% | 3.2% | 4.5% | 5.4% | 5.5% |
| x2 | | 1.4% | 4.6% | | 7.4% | 5.8% | 5.0% | 3.9% | 3.6% |
| 17 | | -0.1% | 4.2% | | 1.1% | 0.5% | 9.4% | 4.5% | 2.7% |
| 7 | | 0.8% | 4.2% | | 4.9% | 4.2% | 4.2% | 4.2% | 4.2% |
| 11 | | 0.1% | 4.1% | | 1.6% | 3.7% | 3.7% | 3.6% | 5.4% |
| 19 | | 0.7% | 3.9% | | 4.5% | 3.7% | 3.8% | 4.2% | 4.0% |
| 25 | | 1.4% | 3.9% | | 7.2% | 5.5% | 3.6% | 3.7% | 2.7% |
| 22 | | 0.5% | 3.9% | | 3.2% | 3.9% | 4.0% | 3.7% | 3.8% |
| 3 | | -0.3% | 3.8% | | 0.3% | 3.9% | 3.8% | 3.8% | 3.8% |
| 21 | | 0.4% | 3.4% | | 3.2% | 4.0% | 3.2% | 3.1% | 3.5% |
| 2 | | -0.7% | 3.4% | | -1.6% | 2.3% | 1.0% | 1.7% | 8.9% |
| 12 | | 2.3% | 3.3% | | 11.2% | -8.6% | 4.6% | 10.3% | 8.1% |
| 8 | | -0.3% | 3.3% | | 0.3% | 2.7% | 5.0% | 2.5% | 3.0% |
| 20 | | 0.5% | 3.2% | | 3.4% | 3.2% | 3.2% | 3.2% | 3.2% |
| 29 | | 1.4% | 3.2% | | 7.0% | 5.3% | 2.2% | 3.6% | 1.8% |
| 18 | | 1.0% | 3.2% | | 5.5% | 2.9% | 3.1% | 2.0% | 4.6% |
| 9 | | 2.4% | 3.1% | | 11.5% | 8.2% | 2.6% | -2.0% | 3.9% |
| 24 | | 0.1% | 2.9% | | 1.6% | 2.4% | 2.8% | 3.6% | 2.8% |
| 1 | | -0.1% | 2.8% | | 1.0% | 2.0% | 2.0% | 3.0% | 4.1% |
| 5 | | 0.1% | 2.7% | | 1.6% | 2.8% | 2.7% | 3.6% | 1.8% |
| 14 | | 0.4% | 2.7% | | 2.9% | 2.4% | 3.0% | 2.9% | 2.6% |
| 15 | | -0.1% | 2.7% | | 1.2% | 2.1% | 2.5% | 3.2% | 2.9% |
| 4 | | 0.0% | 2.3% | | 1.4% | 2.0% | 1.8% | 3.5% | 1.8% |
| 26 | | 0.3% | 2.1% | | 2.4% | 2.0% | 2.5% | 1.8% | 2.0% |
| 30 | | 0.3% | 1.6% | | 2.7% | 1.9% | 1.4% | 1.3% | 1.9% |
| 27 | | 0.0% | 1.6% | | 1.2% | 1.7% | 1.7% | 1.5% | 1.4% |
| 23 | | 0.0% | 1.0% | | 1.4% | 2.0% | 0.9% | 0.9% | 0.4% |
| 16 | | -0.3% | 0.1% | | 0.3% | -0.4% | 0.5% | 0.2% | 0.0% |
| 28 | | 0.1% | 0.0% | | 1.6% | 0.0% | 0.0% | 0.0% | 0.0% |
| 31 | | 0.0% | -1.1% | | 1.4% | -1.6% | -0.9% | -0.9% | -0.9% |
| MEDIAN | | 0.1% | 3.2% | | 1.8% | 2.7% | 3.0% | 3.2% | 2.9% |
| MEAN | | 0.4% | 2.9% | | 3.1% | 2.6% | 3.1% | 2.9% | 3.1% |
| STD DEV | | 0.7% | 1.4% | | 3.0% | 2.8% | 2.1% | 2.2% | 2.1% |
| HIGH | | 2.4% | 5.3% | | 11.5% | 8.2% | 9.4% | 10.3% | 8.9% |
| LOW | | -0.7% | -1.1% | | -1.6% | -8.6% | -0.9% | -2.0% | -0.9% |

Table 8 - Residential Investment

| Individual | Q4 over Q4 | | | Q316 | Q416 | Q117 | Q217 | Q317 | Q417 |
|------------|------------|-------|-------|-------|-------|--------|-------|-------|--------|
| | 2015 | 2016 | 2017 | | | | | | |
| | 13.1% | | | -6.2% | | | | | |
| 11 | | -0.3% | 15.1% | | 6.1% | 12.1% | 16.8% | 16.2% | 15.5% |
| 5 | | -0.3% | 10.2% | | 6.1% | 8.4% | 14.0% | 13.5% | 5.1% |
| 14 | | -1.3% | 7.8% | | 1.9% | 6.5% | 8.7% | 8.8% | 7.1% |
| 10 | | -0.8% | 7.2% | | 4.0% | 7.0% | 7.0% | 8.0% | 7.0% |
| 18 | | -1.1% | 7.2% | | 2.7% | 5.4% | 7.0% | 9.4% | 6.8% |
| 20 | | -0.1% | 7.0% | | 7.0% | 7.0% | 7.0% | 7.0% | 7.0% |
| 3 | | -0.1% | 6.9% | | 6.9% | 7.0% | 6.8% | 6.9% | 7.0% |
| 19 | | -1.1% | 6.3% | | 2.4% | 5.4% | 6.2% | 7.7% | 5.9% |
| 26 | | -0.5% | 6.0% | | 5.2% | 6.0% | 6.0% | 6.0% | 6.0% |
| x2 | | -1.0% | 5.5% | | 2.8% | 5.4% | 6.6% | 6.1% | 3.9% |
| 21 | | -0.8% | 5.2% | | 4.0% | 5.5% | 5.5% | 5.0% | 5.0% |
| 22 | | -0.8% | 5.2% | | 4.0% | 5.5% | 5.5% | 5.0% | 5.0% |
| 25 | | -1.1% | 4.8% | | 2.4% | 3.7% | 5.7% | 6.7% | 3.0% |
| 6 | | 0.6% | 4.5% | | 10.0% | 4.1% | 7.2% | 5.4% | 1.5% |
| 16 | | -1.8% | 4.5% | | -0.2% | 3.5% | 6.3% | 6.2% | 2.0% |
| 4 | | -1.3% | 4.5% | | 1.9% | 2.8% | 14.4% | -0.7% | 2.0% |
| 29 | | -1.3% | 4.0% | | 1.9% | 2.0% | 4.9% | 7.3% | 2.0% |
| 15 | | -1.9% | 3.6% | | -0.7% | 1.8% | 3.4% | 4.3% | 4.7% |
| 9 | | 1.0% | 3.3% | | 11.5% | 8.8% | 3.8% | -9.0% | 10.8% |
| 12 | | -1.6% | 2.9% | | 0.5% | 0.7% | 4.2% | 3.5% | 3.4% |
| 8 | | -1.2% | 2.9% | | 2.3% | 2.4% | 3.5% | 3.4% | 2.3% |
| 17 | | 0.1% | 2.5% | | 7.6% | 3.4% | 4.8% | 0.0% | 2.0% |
| 24 | | -1.4% | 2.3% | | 1.3% | 1.6% | 2.4% | 2.8% | 2.4% |
| 1 | | -1.5% | 2.0% | | 1.0% | 2.1% | 3.5% | 1.5% | 1.0% |
| 28 | | -1.6% | 1.7% | | 0.5% | 3.5% | 2.8% | 0.7% | 0.0% |
| 23 | | -1.3% | 1.7% | | 1.9% | 1.4% | 1.4% | 2.8% | 1.4% |
| 31 | | -0.8% | 0.9% | | 4.0% | 1.4% | -1.4% | 4.9% | -1.3% |
| 30 | | -0.8% | -0.6% | | 3.7% | 6.2% | 2.5% | -4.4% | -6.4% |
| 7 | | -3.0% | -1.3% | | -5.0% | -5.0% | 0.0% | 0.0% | 0.0% |
| 27 | | -2.6% | -1.4% | | -3.3% | -2.0% | -0.7% | -2.0% | -1.0% |
| 2 | | -1.2% | -2.4% | | 2.4% | -20.1% | 15.2% | 13.8% | -13.5% |
| MEDIAN | | -1.1% | 4.5% | | 2.4% | 3.7% | 5.5% | 5.0% | 3.0% |
| MEAN | | -1.0% | 4.2% | | 3.1% | 3.3% | 5.8% | 4.7% | 3.2% |
| STD DEV | | 0.8% | 3.5% | | 3.4% | 5.4% | 4.3% | 5.1% | 4.9% |
| HIGH | | 1.0% | 15.1% | | 11.5% | 12.1% | 16.8% | 16.2% | 15.5% |
| LOW | | -3.0% | -2.4% | | -5.0% | -20.1% | -1.4% | -9.0% | -13.5% |

Table 9 - Change in Private Inventories

| Individual | Q4 value | | | Q316 | Q416 | Q117 | Q217 | Q317 | Q417 |
|------------|----------|---------|---------|--------|---------|---------|---------|---------|---------|
| | 2015 | 2016 | 2017 | | | | | | |
| | \$56.9 | | | \$12.6 | | | | | |
| 9 | | -\$23.7 | \$110.7 | | -\$23.7 | -\$50.8 | \$14.7 | \$24.4 | \$110.7 |
| 28 | | \$91.0 | \$95.0 | | \$91.0 | \$92.0 | \$93.0 | \$95.0 | \$95.0 |
| 4 | | \$80.0 | \$80.0 | | \$80.0 | \$87.0 | \$87.0 | \$85.0 | \$80.0 |
| 3 | | \$40.8 | \$68.0 | | \$40.8 | \$55.0 | \$60.0 | \$76.0 | \$68.0 |
| 15 | | \$36.0 | \$60.1 | | \$36.0 | \$59.3 | \$59.6 | \$59.8 | \$60.1 |
| 11 | | \$32.6 | \$59.2 | | \$32.6 | \$46.1 | \$58.9 | \$57.4 | \$59.2 |
| 5 | | \$32.0 | \$59.0 | | \$32.0 | \$50.0 | \$58.0 | \$58.0 | \$59.0 |
| 6 | | \$24.5 | \$58.5 | | \$24.5 | \$22.6 | \$38.4 | \$50.7 | \$58.5 |
| 19 | | \$35.6 | \$52.3 | | \$35.6 | \$37.6 | \$36.9 | \$48.2 | \$52.3 |
| 20 | | \$43.0 | \$50.0 | | \$43.0 | \$45.0 | \$48.0 | \$50.0 | \$50.0 |
| 10 | | \$23.4 | \$47.5 | | \$23.4 | \$39.4 | \$51.0 | \$45.7 | \$47.5 |
| 14 | | \$15.5 | \$46.4 | | \$15.5 | \$22.1 | \$35.3 | \$41.4 | \$46.4 |
| 16 | | \$37.0 | \$45.0 | | \$37.0 | \$5.0 | -\$17.0 | \$17.0 | \$45.0 |
| 22 | | \$29.0 | \$45.0 | | \$29.0 | \$25.0 | \$30.0 | \$35.0 | \$45.0 |
| 31 | | \$45.0 | \$45.0 | | \$45.0 | \$55.0 | \$55.0 | \$50.0 | \$45.0 |
| 2 | | \$35.8 | \$44.2 | | \$35.8 | \$60.8 | \$51.5 | \$48.4 | \$44.2 |
| 7 | | \$30.0 | \$40.0 | | \$30.0 | \$30.0 | \$30.0 | \$40.0 | \$40.0 |
| 21 | | \$25.0 | \$36.6 | | \$25.0 | \$28.8 | \$33.4 | \$35.9 | \$36.6 |
| 17 | | \$8.0 | \$30.0 | | \$8.0 | \$10.0 | \$20.0 | \$20.0 | \$30.0 |
| 27 | | \$11.2 | \$26.3 | | \$11.2 | \$12.9 | \$30.5 | \$26.6 | \$26.3 |
| 23 | | \$13.0 | \$26.0 | | \$13.0 | \$16.0 | \$24.0 | \$26.0 | \$26.0 |
| 8 | | \$15.5 | \$25.0 | | \$15.5 | \$20.0 | \$22.0 | \$25.0 | \$25.0 |
| 12 | | \$14.0 | \$21.0 | | \$14.0 | \$10.0 | \$13.0 | \$19.0 | \$21.0 |
| 18 | | \$21.7 | \$18.4 | | \$21.7 | \$10.2 | -\$1.1 | \$8.9 | \$18.4 |
| 24 | | \$19.7 | \$15.2 | | \$19.7 | \$30.6 | \$25.1 | \$19.0 | \$15.2 |
| 1 | | \$12.6 | \$13.1 | | \$12.6 | \$12.7 | \$12.8 | \$12.9 | \$13.1 |
| x2 | | -\$1.6 | \$12.9 | | -\$1.6 | -\$9.0 | -\$5.0 | \$0.4 | \$12.9 |
| 26 | | \$14.4 | \$11.0 | | \$14.4 | \$17.5 | \$17.9 | \$12.5 | \$11.0 |
| 30 | | \$10.5 | \$8.4 | | \$10.5 | \$4.2 | \$2.9 | -\$7.3 | \$8.4 |
| 25 | | -\$2.7 | \$7.0 | | -\$2.7 | -\$12.5 | -\$11.4 | -\$6.8 | \$7.0 |
| 29 | | -\$3.7 | \$1.0 | | -\$3.7 | -\$16.0 | -\$18.0 | -\$14.0 | \$1.0 |
| MEDIAN | | \$23.4 | \$44.2 | | \$23.4 | \$22.6 | \$30.0 | \$35.0 | \$44.2 |
| MEAN | | \$24.7 | \$40.6 | | \$24.7 | \$26.3 | \$30.9 | \$34.2 | \$40.6 |
| STD DEV | | \$22.1 | \$25.6 | | \$22.1 | \$29.2 | \$27.2 | \$25.9 | \$25.6 |
| HIGH | | \$91.0 | \$110.7 | | \$91.0 | \$92.0 | \$93.0 | \$95.0 | \$110.7 |
| LOW | | -\$23.7 | \$1.0 | | -\$23.7 | -\$50.8 | -\$18.0 | -\$14.0 | \$1.0 |

Table 10 - Net Exports of Goods and Services

| Individual | Q4 value | | | Q316 | Q416 | Q117 | Q217 | Q317 | Q417 |
|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | 2015 | 2016 | 2017 | | | | | | |
| | -\$566.6 | | | -\$522.9 | | | | | |
| 28 | | -\$500.0 | -\$400.0 | | -\$500.0 | -\$475.0 | -\$450.0 | -\$525.0 | -\$400.0 |
| 8 | | -\$531.8 | -\$467.3 | | -\$531.8 | -\$509.1 | -\$497.6 | -\$474.3 | -\$467.3 |
| 23 | | -\$518.0 | -\$488.0 | | -\$518.0 | -\$516.0 | -\$512.0 | -\$500.0 | -\$488.0 |
| 31 | | -\$550.0 | -\$510.0 | | -\$550.0 | -\$540.0 | -\$530.0 | -\$520.0 | -\$510.0 |
| 1 | | -\$522.9 | -\$518.2 | | -\$522.9 | -\$522.6 | -\$520.0 | -\$519.2 | -\$518.2 |
| 16 | | -\$562.0 | -\$520.0 | | -\$562.0 | -\$545.0 | -\$549.0 | -\$525.0 | -\$520.0 |
| 7 | | -\$526.8 | -\$520.8 | | -\$526.8 | -\$525.4 | -\$523.9 | -\$529.1 | -\$520.8 |
| 2 | | -\$505.5 | -\$527.3 | | -\$505.5 | -\$520.9 | -\$530.5 | -\$519.3 | -\$527.3 |
| 27 | | -\$524.2 | -\$532.8 | | -\$524.2 | -\$520.6 | -\$524.2 | -\$528.7 | -\$532.8 |
| 24 | | -\$525.0 | -\$538.2 | | -\$525.0 | -\$527.6 | -\$531.3 | -\$535.0 | -\$538.2 |
| 17 | | -\$530.0 | -\$540.0 | | -\$530.0 | -\$550.0 | -\$560.0 | -\$540.0 | -\$540.0 |
| 9 | | -\$559.0 | -\$549.2 | | -\$559.0 | -\$569.1 | -\$563.4 | -\$547.6 | -\$549.2 |
| 14 | | -\$513.1 | -\$553.4 | | -\$513.1 | -\$517.5 | -\$529.9 | -\$541.2 | -\$553.4 |
| 6 | | -\$584.1 | -\$555.5 | | -\$584.1 | -\$575.4 | -\$567.5 | -\$561.7 | -\$555.5 |
| 4 | | -\$600.0 | -\$560.0 | | -\$600.0 | -\$580.0 | -\$580.0 | -\$560.0 | -\$560.0 |
| 26 | | -\$536.8 | -\$566.9 | | -\$536.8 | -\$547.9 | -\$552.2 | -\$562.3 | -\$566.9 |
| 12 | | -\$530.0 | -\$580.0 | | -\$530.0 | -\$560.0 | -\$565.0 | -\$575.0 | -\$580.0 |
| 21 | | -\$548.4 | -\$596.4 | | -\$548.4 | -\$560.6 | -\$573.1 | -\$587.4 | -\$596.4 |
| 15 | | -\$559.4 | -\$603.1 | | -\$559.4 | -\$569.6 | -\$580.1 | -\$592.5 | -\$603.1 |
| 22 | | -\$534.7 | -\$616.2 | | -\$534.7 | -\$557.3 | -\$577.4 | -\$597.9 | -\$616.2 |
| 5 | | -\$538.0 | -\$620.0 | | -\$538.0 | -\$560.0 | -\$600.0 | -\$610.0 | -\$620.0 |
| 29 | | -\$560.7 | -\$620.0 | | -\$560.7 | -\$580.8 | -\$598.0 | -\$320.0 | -\$620.0 |
| 25 | | -\$558.5 | -\$622.2 | | -\$558.5 | -\$572.7 | -\$591.7 | -\$461.3 | -\$622.2 |
| 20 | | -\$550.0 | -\$630.0 | | -\$550.0 | -\$565.0 | -\$590.0 | -\$615.0 | -\$630.0 |
| 11 | | -\$539.3 | -\$632.0 | | -\$539.3 | -\$559.0 | -\$580.0 | -\$604.0 | -\$632.0 |
| 10 | | -\$552.2 | -\$637.7 | | -\$552.2 | -\$576.0 | -\$618.9 | -\$637.7 | -\$637.7 |
| 18 | | -\$533.2 | -\$644.1 | | -\$533.2 | -\$540.0 | -\$556.2 | -\$598.1 | -\$644.1 |
| 19 | | -\$565.0 | -\$647.6 | | -\$565.0 | -\$576.3 | -\$586.9 | -\$616.4 | -\$647.6 |
| 30 | | -\$557.4 | -\$662.1 | | -\$557.4 | -\$573.0 | -\$616.1 | -\$643.9 | -\$662.1 |
| 3 | | -\$536.0 | -\$670.0 | | -\$536.0 | -\$590.0 | -\$624.0 | -\$665.0 | -\$670.0 |
| MEDIAN | | -\$537.4 | -\$563.5 | | -\$537.4 | -\$558.2 | -\$564.2 | -\$553.8 | -\$563.5 |
| MEAN | | -\$541.7 | -\$571.0 | | -\$541.7 | -\$549.4 | -\$559.3 | -\$553.7 | -\$571.0 |
| STD DEV | | \$21.7 | \$62.5 | | \$21.7 | \$26.6 | \$38.4 | \$65.2 | \$62.5 |
| HIGH | | -\$500.0 | -\$400.0 | | -\$500.0 | -\$475.0 | -\$450.0 | -\$320.0 | -\$400.0 |
| LOW | | -\$600.0 | -\$670.0 | | -\$600.0 | -\$590.0 | -\$624.0 | -\$665.0 | -\$670.0 |

Table 11 - Government Consumption Expenditures and Gross Investment

| Individual | Q4 over Q4 | | | Q316 | Q416 | Q117 | Q217 | Q317 | Q417 |
|------------|------------|-------|--------|------|-------|--------|--------|--------|--------|
| | 2015 | 2016 | 2017 | | | | | | |
| | 2.2% | | | 0.5% | | | | | |
| 12 | | 1.8% | 5.6% | | 7.1% | 4.1% | 5.5% | 6.8% | 6.0% |
| 9 | | 0.6% | 3.2% | | 2.0% | 3.8% | 2.8% | 3.9% | 2.4% |
| 1 | | 0.3% | 3.0% | | 1.0% | 1.0% | 2.0% | 4.1% | 5.1% |
| 24 | | 0.2% | 2.2% | | 0.4% | 1.2% | 2.4% | 2.8% | 2.4% |
| 23 | | 0.6% | 1.6% | | 1.9% | 3.1% | 1.2% | 1.2% | 0.8% |
| 21 | | 0.3% | 1.4% | | 0.9% | 1.2% | 1.8% | 1.4% | 1.4% |
| 7 | | 0.4% | 1.4% | | 1.4% | 1.4% | 1.4% | 1.4% | 1.4% |
| 31 | | 0.3% | 1.4% | | 0.8% | 1.4% | 1.4% | 1.4% | 1.4% |
| 22 | | 0.3% | 1.3% | | 0.9% | 1.2% | 1.5% | 1.4% | 1.3% |
| 16 | | 0.3% | 1.3% | | 0.9% | 1.4% | 1.8% | 0.5% | 1.5% |
| 8 | | -0.3% | 1.3% | | -1.7% | 1.6% | 1.5% | 0.8% | 1.2% |
| 15 | | 0.4% | 1.3% | | 1.1% | 1.4% | 1.2% | 1.3% | 1.1% |
| 14 | | 0.4% | 1.2% | | 1.1% | 1.3% | 1.2% | 1.2% | 1.2% |
| 3 | | 0.3% | 1.1% | | 0.9% | 1.2% | 1.0% | 1.0% | 1.4% |
| 2 | | 0.7% | 1.1% | | 2.2% | -2.2% | 4.0% | 1.6% | 1.2% |
| 10 | | 0.1% | 1.1% | | 0.0% | 2.5% | 0.7% | 1.2% | 0.1% |
| 30 | | 0.4% | 0.9% | | 1.4% | 0.8% | 0.8% | 0.9% | 1.1% |
| 20 | | 0.3% | 0.9% | | 0.8% | 0.9% | 0.9% | 0.9% | 0.9% |
| 5 | | 0.1% | 0.8% | | 0.1% | 0.6% | 0.8% | 0.7% | 1.1% |
| 27 | | 0.2% | 0.7% | | 0.4% | 0.5% | 0.5% | 0.7% | 0.9% |
| 11 | | 0.1% | 0.6% | | 0.1% | 0.4% | 0.7% | 0.7% | 0.7% |
| 26 | | 0.0% | 0.5% | | -0.4% | 0.4% | 0.5% | 1.5% | -0.2% |
| 17 | | 0.2% | 0.4% | | 0.3% | -0.1% | 0.1% | 1.1% | 0.7% |
| 18 | | 0.1% | 0.4% | | 0.0% | 0.7% | 0.5% | 0.5% | 0.0% |
| 19 | | 0.1% | 0.4% | | 0.0% | 0.7% | 0.5% | 0.5% | 0.0% |
| 6 | | 0.5% | 0.3% | | 1.7% | 1.1% | 0.2% | 0.2% | -0.4% |
| x2 | | 0.5% | 0.2% | | 1.5% | 1.0% | 0.0% | 0.0% | 0.0% |
| 25 | | 0.5% | 0.2% | | 1.5% | 1.0% | 0.0% | -0.1% | -0.1% |
| 29 | | 0.5% | 0.2% | | 1.5% | 0.9% | 0.0% | -0.1% | -0.2% |
| 4 | | -0.1% | 0.0% | | -0.6% | 1.4% | 1.4% | -1.4% | -1.4% |
| 28 | | -0.1% | -13.8% | | -0.6% | -13.1% | -13.5% | -14.0% | -14.5% |
| MEDIAN | | 0.3% | 1.1% | | 0.9% | 1.1% | 1.0% | 1.0% | 1.1% |
| MEAN | | 0.3% | 0.7% | | 0.9% | 0.7% | 0.8% | 0.8% | 0.6% |
| STD DEV | | 0.3% | 2.9% | | 1.4% | 2.8% | 2.9% | 3.1% | 3.1% |
| HIGH | | 1.8% | 5.6% | | 7.1% | 4.1% | 5.5% | 6.8% | 6.0% |
| LOW | | -0.3% | -13.8% | | -1.7% | -13.1% | -13.5% | -14.0% | -14.5% |

Table 12 - Industrial Production

| Individual | Q4 over Q4 | | | Q316 | Q416 | Q117 | Q217 | Q317 | Q417 |
|------------|------------|-------|-------|------|-------|-------|-------|-------|-------|
| | 2015 | 2016 | 2017 | | | | | | |
| | -1.6% | | | 2.1% | | | | | |
| 28 | | 0.4% | 3.8% | | 2.2% | 3.9% | 3.8% | 3.8% | 3.8% |
| 12 | | 3.3% | 3.7% | | 14.4% | 3.8% | 3.7% | 3.7% | 3.7% |
| 14 | | -0.2% | 3.4% | | -0.4% | 1.1% | 3.0% | 4.8% | 4.8% |
| 1 | | 0.4% | 3.2% | | 2.2% | 3.9% | 3.1% | 3.0% | 3.0% |
| 4 | | -0.5% | 2.9% | | -1.6% | 3.9% | 3.9% | 0.0% | 3.8% |
| 6 | | 0.2% | 2.5% | | 1.4% | 2.4% | 3.1% | 2.6% | 2.0% |
| 22 | | 0.0% | 2.3% | | 0.4% | 2.6% | 2.2% | 2.3% | 2.1% |
| 7 | | -0.1% | 2.3% | | 0.3% | 2.3% | 2.3% | 2.3% | 2.3% |
| x2 | | -0.6% | 2.2% | | -1.8% | 0.0% | 2.5% | 3.7% | 2.8% |
| 20 | | 0.1% | 2.2% | | 1.0% | 1.9% | 2.2% | 2.3% | 2.2% |
| 3 | | 0.3% | 2.1% | | 1.6% | 2.3% | 2.1% | 2.1% | 2.1% |
| 21 | | 0.1% | 2.1% | | 1.0% | 1.5% | 2.3% | 2.3% | 2.3% |
| 11 | | 0.3% | 2.1% | | 1.8% | 0.8% | 3.9% | 1.5% | 2.3% |
| 9 | | 0.3% | 2.1% | | 1.8% | 0.0% | 3.1% | 2.7% | 2.5% |
| 10 | | -0.1% | 1.9% | | 0.3% | 1.7% | 1.6% | 2.1% | 2.1% |
| 19 | | -0.2% | 1.9% | | -0.4% | 0.1% | 2.4% | 2.7% | 2.4% |
| 26 | | 0.2% | 1.8% | | 1.4% | 1.9% | 2.3% | 1.5% | 1.5% |
| 15 | | 0.3% | 1.7% | | 1.8% | 1.8% | 1.9% | 1.7% | 1.3% |
| 18 | | -0.4% | 1.6% | | -1.0% | -1.2% | 1.9% | 2.7% | 3.1% |
| 27 | | 0.3% | 1.5% | | 1.9% | 1.6% | 1.6% | 1.5% | 1.5% |
| 23 | | 0.4% | 1.5% | | 2.2% | 2.3% | 1.6% | 1.9% | 0.4% |
| 25 | | -0.6% | 1.2% | | -2.0% | -1.3% | 2.5% | 2.9% | 0.8% |
| 30 | | -0.4% | 1.1% | | -0.9% | -0.4% | 1.5% | 2.0% | 1.2% |
| 17 | | 0.0% | 1.0% | | 0.6% | 1.9% | 0.8% | 0.8% | 0.4% |
| 5 | | 0.2% | 1.0% | | 1.4% | 0.8% | 1.5% | 0.8% | 0.8% |
| 8 | | 0.0% | 0.5% | | 0.6% | 1.9% | -0.4% | -0.8% | 1.1% |
| 29 | | -0.7% | 0.2% | | -2.4% | -2.3% | 2.3% | 1.9% | -1.1% |
| 24 | | 0.3% | 0.0% | | 1.8% | -3.3% | 1.2% | 0.8% | 1.5% |
| 31 | | -0.1% | -0.2% | | 0.3% | 0.4% | -0.4% | -0.4% | -0.4% |
| 16 | | -0.5% | -0.3% | | -1.6% | 0.8% | -1.1% | -0.8% | 0.0% |
| 2 | | 0.6% | -1.3% | | 3.0% | 2.3% | -1.5% | -1.9% | -4.1% |
| MEDIAN | | 0.1% | 1.9% | | 1.0% | 1.7% | 2.2% | 2.1% | 2.1% |
| MEAN | | 0.1% | 1.7% | | 1.0% | 1.3% | 2.0% | 1.8% | 1.7% |
| STD DEV | | 0.7% | 1.2% | | 2.8% | 1.7% | 1.3% | 1.5% | 1.7% |
| HIGH | | 3.3% | 3.8% | | 14.4% | 3.9% | 3.9% | 4.8% | 4.8% |
| LOW | | -0.7% | -1.3% | | -2.4% | -3.3% | -1.5% | -1.9% | -4.1% |

Table 13 - Car and Light Truck Sales (millions)

| Individual | 2015 | 2016 | 2017 | Q316 | Q416 | Q117 | Q217 | Q317 | Q417 |
|------------|------|------|------|------|------|------|------|------|------|
| | 17.4 | | | 17.5 | | | | | |
| 12 | | 20.0 | 23.0 | | 20.0 | 20.0 | 21.0 | 22.0 | 23.0 |
| x4 | | 17.8 | 18.3 | | | | | | |
| x5 | | 17.8 | 18.0 | | | | | | |
| 3 | | 17.6 | 17.7 | | 17.6 | 17.5 | 17.7 | 17.6 | 17.8 |
| 8 | | 17.8 | 17.6 | | 17.6 | 17.5 | 17.6 | 17.5 | 17.6 |
| 13 | | 17.5 | 17.6 | | 18.0 | 17.3 | 17.4 | 17.6 | 18.0 |
| x6 | | 17.3 | 17.6 | | | | | | |
| x2 | | 17.4 | 17.5 | | 17.6 | 17.4 | 17.5 | 17.6 | 17.6 |
| 4 | | 17.3 | 17.5 | | 17.7 | 17.5 | 17.5 | 17.5 | 17.5 |
| 5 | | 17.4 | 17.5 | | 17.4 | 17.4 | 17.5 | 17.5 | 17.4 |
| 7 | | 17.4 | 17.4 | | 17.6 | 17.4 | 17.4 | 17.4 | 17.4 |
| 25 | | 17.4 | 17.4 | | 17.6 | 17.4 | 17.4 | 17.5 | 17.5 |
| 28 | | 17.3 | 17.4 | | 17.3 | 17.4 | 17.4 | 17.4 | 17.5 |
| 14 | | 17.4 | 17.3 | | 17.6 | 17.4 | 17.3 | 17.3 | 17.3 |
| 26 | | 17.3 | 17.3 | | 17.3 | 17.3 | 17.3 | 17.3 | 17.3 |
| 29 | | 17.4 | 17.3 | | 17.6 | 17.3 | 17.3 | 17.4 | 17.4 |
| 15 | | 17.4 | 17.3 | | 17.6 | 17.4 | 17.3 | 17.2 | 17.2 |
| 2 | | 17.2 | 17.2 | | 16.9 | 16.4 | 17.3 | 17.6 | 17.5 |
| 11 | | 17.3 | 17.2 | | 17.5 | 17.3 | 17.2 | 17.1 | 17.1 |
| 17 | | 17.3 | 17.2 | | 17.4 | 17.2 | 17.3 | 17.1 | 17.3 |
| 9 | | 17.3 | 17.1 | | 17.2 | 17.2 | 17.1 | 17.1 | 17.1 |
| 10 | | 17.4 | 17.0 | | 17.7 | 17.4 | 17.0 | 16.9 | 16.6 |
| 22 | | 17.4 | 17.0 | | 17.6 | 17.1 | 17.0 | 17.0 | 16.9 |
| 20 | | 17.0 | 16.9 | | 17.6 | 17.1 | 17.0 | 17.0 | 16.9 |
| 24 | | 17.5 | 16.9 | | 17.5 | 16.9 | 17.0 | 16.2 | 16.5 |
| x3 | | 17.3 | 16.8 | | | | | | |
| 31 | | 17.7 | 16.8 | | 17.2 | 17.0 | 16.8 | 16.7 | 16.5 |
| 27 | | 17.2 | 16.7 | | 17.3 | 17.0 | 16.7 | 16.5 | 16.5 |
| 6 | | 17.2 | 16.7 | | 17.2 | 16.8 | 16.7 | 16.6 | 16.6 |
| 16 | | 17.3 | 16.5 | | 17.4 | 16.8 | 16.6 | 16.1 | 16.3 |
| 23 | | 17.0 | 16.4 | | 17.0 | 16.8 | 16.7 | 16.6 | 16.4 |
| 30 | | 17.2 | 16.1 | | 17.1 | 16.9 | 16.2 | 15.8 | 15.6 |
| MEDIAN | | 17.4 | 17.3 | | 17.5 | 17.3 | 17.3 | 17.3 | 17.3 |
| MEAN | | 17.5 | 17.4 | | 17.5 | 17.3 | 17.3 | 17.3 | 17.3 |
| STD DEV | | 0.5 | 1.1 | | 0.5 | 0.6 | 0.8 | 1.0 | 1.2 |
| HIGH | | 20.0 | 23.0 | | 20.0 | 20.0 | 21.0 | 22.0 | 23.0 |
| LOW | | 17.0 | 16.1 | | 16.9 | 16.4 | 16.2 | 15.8 | 15.6 |

Table 14 - Housing Starts (millions)

| Individual | 2015 | 2016 | 2017 | Q316 | Q416 | Q117 | Q217 | Q317 | Q417 |
|------------|------|------|------|------|------|------|------|------|------|
| | 1.11 | | | 1.15 | | | | | |
| x3 | | 1.25 | 1.45 | | | | | | |
| x4 | | 1.23 | 1.39 | | | | | | |
| 18 | | 1.17 | 1.31 | | 1.22 | 1.24 | 1.28 | 1.35 | 1.38 |
| 19 | | 1.17 | 1.30 | | 1.22 | 1.24 | 1.27 | 1.32 | 1.37 |
| 12 | | 1.15 | 1.30 | | 1.20 | 1.00 | 1.10 | 1.20 | 1.30 |
| x6 | | 1.20 | 1.30 | | | | | | |
| 17 | | 1.16 | 1.29 | | 1.24 | 1.25 | 1.25 | 1.30 | 1.35 |
| 10 | | 1.16 | 1.29 | | 1.20 | 1.18 | 1.32 | 1.29 | 1.36 |
| 6 | | 1.16 | 1.26 | | 1.20 | 1.23 | 1.26 | 1.27 | 1.30 |
| 26 | | 1.17 | 1.26 | | 1.14 | 1.20 | 1.24 | 1.27 | 1.29 |
| 9 | | 1.15 | 1.25 | | 1.15 | 1.19 | 1.24 | 1.28 | 1.30 |
| 24 | | 1.19 | 1.25 | | 1.20 | 1.22 | 1.24 | 1.26 | 1.28 |
| x5 | | 1.20 | 1.25 | | | | | | |
| 14 | | 1.16 | 1.25 | | 1.19 | 1.21 | 1.24 | 1.26 | 1.28 |
| 25 | | 1.15 | 1.21 | | 1.16 | 1.18 | 1.20 | 1.22 | 1.24 |
| 3 | | 1.20 | 1.20 | | 1.21 | 1.10 | 1.20 | 1.26 | 1.20 |
| 4 | | 1.12 | 1.20 | | 1.15 | 1.00 | 1.10 | 1.20 | 1.20 |
| 5 | | 1.15 | 1.20 | | 1.18 | 1.20 | 1.17 | 1.18 | 1.20 |
| 11 | | 1.14 | 1.20 | | 1.11 | 1.17 | 1.20 | 1.25 | 1.22 |
| 23 | | 1.20 | 1.20 | | 1.20 | 1.15 | 1.20 | 1.14 | 1.20 |
| 28 | | 1.15 | 1.20 | | 1.16 | 1.17 | 1.18 | 1.19 | 1.20 |
| 16 | | 1.15 | 1.19 | | 1.16 | 1.21 | 1.19 | 1.16 | 1.21 |
| 29 | | 1.15 | 1.19 | | 1.15 | 1.17 | 1.19 | 1.20 | 1.20 |
| 20 | | 1.14 | 1.18 | | 1.17 | 1.19 | 1.20 | 1.22 | 1.22 |
| 22 | | 1.14 | 1.18 | | 1.20 | 1.15 | 1.17 | 1.18 | 1.19 |
| 21 | | 1.15 | 1.17 | | 1.14 | 1.15 | 1.17 | 1.18 | 1.19 |
| 15 | | 1.15 | 1.17 | | 1.16 | 1.16 | 1.17 | 1.17 | 1.18 |
| 8 | | 1.15 | 1.17 | | 1.16 | 1.18 | 1.17 | 1.12 | 1.12 |
| 30 | | 1.15 | 1.13 | | 1.17 | 1.20 | 1.14 | 1.09 | 1.08 |
| 27 | | 1.15 | 1.12 | | 1.13 | 1.13 | 1.13 | 1.12 | 1.12 |
| 7 | | 1.15 | 1.12 | | 1.13 | 1.12 | 1.12 | 1.12 | 1.12 |
| 31 | | 1.14 | 1.12 | | 1.13 | 1.12 | 1.13 | 1.12 | 1.10 |
| 2 | | 1.10 | 1.10 | | 1.00 | 1.00 | 1.10 | 1.20 | 1.20 |
| MEDIAN | | 1.15 | 1.20 | | 1.16 | 1.18 | 1.19 | 1.20 | 1.20 |
| MEAN | | 1.16 | 1.22 | | 1.17 | 1.16 | 1.19 | 1.21 | 1.23 |
| STD DEV | | 0.03 | 0.08 | | 0.04 | 0.07 | 0.06 | 0.07 | 0.08 |
| HIGH | | 1.25 | 1.45 | | 1.24 | 1.25 | 1.32 | 1.35 | 1.38 |
| LOW | | 1.10 | 1.10 | | 1.00 | 1.00 | 1.10 | 1.09 | 1.08 |

Table 15 - Oil Price (West Texas Intermediate, Dollars Per Barrel)

| Individual | Q4 value | | | Q316 | Q416 | Q117 | Q217 | Q317 | Q417 |
|------------|----------|---------|---------|---------|---------|---------|---------|---------|---------|
| | 2015 | 2016 | 2017 | | | | | | |
| | \$42.02 | | | \$44.89 | | | | | |
| 11 | | \$48.50 | \$63.00 | | \$48.50 | \$51.00 | \$55.00 | \$60.00 | \$63.00 |
| 17 | | \$46.00 | \$60.00 | | \$46.00 | \$51.00 | \$53.00 | \$56.00 | \$60.00 |
| 22 | | \$49.00 | \$60.00 | | \$49.00 | \$52.00 | \$55.00 | \$62.00 | \$60.00 |
| 9 | | \$45.20 | \$57.30 | | \$45.20 | \$45.50 | \$48.60 | \$52.90 | \$57.30 |
| 3 | | \$45.00 | \$56.25 | | \$45.00 | \$51.00 | \$52.00 | \$4.40 | \$56.25 |
| 23 | | \$49.00 | \$56.00 | | \$49.00 | \$53.00 | \$55.00 | \$57.00 | \$56.00 |
| 29 | | \$50.20 | \$55.70 | | \$50.20 | \$50.10 | \$54.90 | \$56.50 | \$55.70 |
| 1 | | \$45.00 | \$55.00 | | \$45.00 | \$46.00 | \$50.00 | \$50.00 | \$55.00 |
| 20 | | \$48.00 | \$55.00 | | \$48.00 | \$50.00 | \$55.00 | \$55.00 | \$55.00 |
| 21 | | \$47.85 | \$55.00 | | \$47.85 | \$49.00 | \$52.00 | \$53.00 | \$55.00 |
| 25 | | \$49.65 | \$53.85 | | \$49.65 | \$49.05 | \$52.90 | \$54.45 | \$53.85 |
| 18 | | \$48.72 | \$53.13 | | \$48.72 | \$50.47 | \$51.84 | \$52.62 | \$53.13 |
| 26 | | \$49.00 | \$53.00 | | \$49.00 | \$50.00 | \$51.00 | \$52.00 | \$53.00 |
| 2 | | \$46.88 | \$52.00 | | \$46.88 | \$47.20 | \$49.25 | \$51.30 | \$52.00 |
| x1 | | \$46.00 | \$52.00 | | \$46.00 | \$47.00 | \$49.00 | \$50.00 | \$52.00 |
| 14 | | \$48.06 | \$51.06 | | \$48.06 | \$48.81 | \$49.56 | \$50.31 | \$51.06 |
| 5 | | \$49.00 | \$51.00 | | \$49.00 | \$49.00 | \$50.00 | \$51.00 | \$51.00 |
| 12 | | \$50.00 | \$51.00 | | \$50.00 | \$50.25 | \$50.50 | \$50.75 | \$51.00 |
| 24 | | \$53.44 | \$50.90 | | \$53.44 | \$49.17 | \$49.17 | \$50.23 | \$50.90 |
| 19 | | \$48.02 | \$50.87 | | \$48.02 | \$46.90 | \$48.65 | \$50.27 | \$50.87 |
| 28 | | \$45.00 | \$50.00 | | \$45.00 | \$46.00 | \$47.00 | \$48.00 | \$50.00 |
| 31 | | \$40.00 | \$50.00 | | \$40.00 | \$37.00 | \$40.00 | \$45.00 | \$50.00 |
| 10 | | \$46.49 | \$49.15 | | \$46.49 | \$46.27 | \$47.79 | \$48.73 | \$49.15 |
| 4 | | \$49.00 | \$49.00 | | \$49.00 | \$49.00 | \$49.00 | \$49.00 | \$49.00 |
| 27 | | \$42.96 | \$48.28 | | \$42.96 | \$45.39 | \$46.82 | \$47.70 | \$48.28 |
| 15 | | \$46.00 | \$46.00 | | \$46.00 | \$46.00 | \$46.00 | \$46.00 | \$46.00 |
| 7 | | \$50.41 | \$45.90 | | \$50.41 | \$40.93 | \$43.01 | \$50.64 | \$45.90 |
| 8 | | \$46.00 | \$45.00 | | \$46.00 | \$48.00 | \$47.00 | \$45.00 | \$45.00 |
| 16 | | \$45.40 | \$45.00 | | \$45.40 | \$39.00 | \$42.00 | \$44.50 | \$45.00 |
| 30 | | \$44.66 | \$44.26 | | \$44.66 | \$48.33 | \$42.66 | \$39.96 | \$44.26 |
| MEDIAN | | \$47.93 | \$51.53 | | \$47.93 | \$48.91 | \$49.41 | \$50.48 | \$51.53 |
| MEAN | | \$47.28 | \$52.16 | | \$47.28 | \$47.75 | \$49.46 | \$49.48 | \$52.16 |
| STD DEV | | \$2.58 | \$4.59 | | \$2.58 | \$3.55 | \$3.95 | \$9.54 | \$4.59 |
| HIGH | | \$53.44 | \$63.00 | | \$53.44 | \$53.00 | \$55.00 | \$62.00 | \$63.00 |
| LOW | | \$40.00 | \$44.26 | | \$40.00 | \$37.00 | \$40.00 | \$4.40 | \$44.26 |

Table 16 - Unemployment Rate

| Individual | Q4 value | | | Q316 | Q416 | Q117 | Q217 | Q317 | Q417 |
|------------|----------|------|------|------|------|------|------|------|------|
| | 2015 | 2016 | 2017 | | | | | | |
| | 5.0% | | | 4.9% | | | | | |
| 7 | | 4.9% | 5.5% | | 4.9% | 5.0% | 5.2% | 5.4% | 5.5% |
| 4 | | 5.2% | 5.4% | | 5.2% | 5.2% | 5.2% | 5.3% | 5.4% |
| 31 | | 4.9% | 5.4% | | 4.9% | 4.9% | 5.0% | 5.2% | 5.4% |
| 30 | | 4.9% | 5.3% | | 4.9% | 5.0% | 5.1% | 5.2% | 5.3% |
| 16 | | 4.9% | 5.2% | | 4.9% | 4.9% | 5.0% | 5.1% | 5.2% |
| 6 | | 4.9% | 5.0% | | 4.9% | 5.0% | 5.0% | 5.0% | 5.0% |
| 28 | | 5.0% | 5.0% | | 5.0% | 5.0% | 5.0% | 5.0% | 5.0% |
| 9 | | 4.9% | 4.9% | | 4.9% | 4.8% | 4.8% | 4.9% | 4.9% |
| 17 | | 4.9% | 4.9% | | 4.9% | 4.9% | 4.9% | 4.9% | 4.9% |
| 29 | | 4.9% | 4.9% | | 4.9% | 4.8% | 4.8% | 4.8% | 4.9% |
| 15 | | 4.9% | 4.8% | | 4.9% | 4.9% | 4.8% | 4.8% | 4.8% |
| 27 | | 4.9% | 4.8% | | 4.9% | 4.9% | 4.9% | 4.9% | 4.8% |
| 2 | | 4.7% | 4.8% | | 4.7% | 5.4% | 5.2% | 5.0% | 4.8% |
| 3 | | 4.9% | 4.8% | | 4.9% | 4.8% | 4.8% | 4.8% | 4.8% |
| 5 | | 4.9% | 4.8% | | 4.9% | 4.9% | 4.9% | 4.8% | 4.8% |
| 26 | | 4.9% | 4.8% | | 4.9% | 4.8% | 4.8% | 4.8% | 4.8% |
| x1 | | 5.0% | 4.8% | | 5.0% | 5.0% | 4.9% | 4.9% | 4.8% |
| 25 | | 4.9% | 4.8% | | 4.9% | 4.8% | 4.8% | 4.8% | 4.8% |
| 23 | | 4.9% | 4.7% | | 4.9% | 4.8% | 4.8% | 4.8% | 4.7% |
| 1 | | 4.8% | 4.7% | | 4.8% | 4.8% | 4.8% | 4.7% | 4.7% |
| 10 | | 4.9% | 4.7% | | 4.9% | 4.9% | 4.7% | 4.7% | 4.7% |
| 11 | | 4.8% | 4.7% | | 4.8% | 4.9% | 4.8% | 4.7% | 4.7% |
| x2 | | 4.9% | 4.7% | | 4.9% | 4.8% | 4.7% | 4.7% | 4.7% |
| 14 | | 4.9% | 4.7% | | 4.9% | 4.8% | 4.8% | 4.7% | 4.7% |
| 20 | | 4.9% | 4.6% | | 4.9% | 4.8% | 4.7% | 4.7% | 4.6% |
| 21 | | 4.9% | 4.6% | | 4.9% | 4.8% | 4.8% | 4.7% | 4.6% |
| 22 | | 4.9% | 4.6% | | 4.9% | 4.8% | 4.7% | 4.7% | 4.6% |
| 24 | | 4.8% | 4.6% | | 4.8% | 4.7% | 4.7% | 4.7% | 4.6% |
| 12 | | 4.5% | 4.5% | | 4.5% | 4.6% | 4.5% | 4.3% | 4.5% |
| 18 | | 4.8% | 4.5% | | 4.8% | 4.8% | 4.7% | 4.6% | 4.5% |
| 19 | | 4.8% | 4.4% | | 4.8% | 4.7% | 4.6% | 4.5% | 4.4% |
| 8 | | 4.8% | 4.3% | | 4.8% | 4.8% | 4.6% | 4.4% | 4.3% |
| MEDIAN | | 4.9% | 4.8% | | 4.9% | 4.8% | 4.8% | 4.8% | 4.8% |
| MEAN | | 4.9% | 4.8% | | 4.9% | 4.9% | 4.8% | 4.8% | 4.8% |
| STD DEV | | 0.1% | 0.3% | | 0.1% | 0.1% | 0.2% | 0.2% | 0.3% |
| HIGH | | 5.2% | 5.5% | | 5.2% | 5.4% | 5.2% | 5.4% | 5.5% |
| LOW | | 4.5% | 4.3% | | 4.5% | 4.6% | 4.5% | 4.3% | 4.3% |

Table 17 - Consumer Price Index Inflation Rate

| Individual | Q4 over Q4 | | | Q316 | Q416 | Q117 | Q217 | Q317 | Q417 |
|------------|------------|------|------|------|------|------|------|------|------|
| | 2015 | 2016 | 2017 | | | | | | |
| | 0.4% | | | 1.6% | | | | | |
| 29 | | 1.9% | 3.1% | | 3.7% | 2.1% | 3.6% | 4.1% | 2.4% |
| 1 | | 1.2% | 2.7% | | 1.0% | 2.0% | 3.0% | 3.0% | 3.0% |
| 25 | | 1.8% | 2.7% | | 3.5% | 2.0% | 3.1% | 3.6% | 2.3% |
| 22 | | 1.4% | 2.5% | | 1.8% | 2.4% | 2.4% | 2.6% | 2.5% |
| 20 | | 1.5% | 2.4% | | 2.2% | 2.2% | 2.4% | 2.5% | 2.6% |
| x2 | | 1.8% | 2.4% | | 3.4% | 1.9% | 2.5% | 3.1% | 2.2% |
| 15 | | 1.5% | 2.4% | | 2.3% | 2.2% | 2.5% | 2.4% | 2.5% |
| 26 | | 1.5% | 2.3% | | 2.2% | 2.2% | 2.3% | 2.3% | 2.3% |
| 3 | | 1.4% | 2.3% | | 1.6% | 2.1% | 2.2% | 2.4% | 2.4% |
| 21 | | 1.6% | 2.2% | | 2.6% | 2.1% | 2.2% | 2.3% | 2.3% |
| 24 | | 1.4% | 2.2% | | 1.6% | 2.2% | 2.1% | 2.3% | 2.2% |
| 11 | | 1.4% | 2.1% | | 1.7% | 1.8% | 2.0% | 2.3% | 2.5% |
| 6 | | 1.9% | 2.1% | | 3.8% | 2.2% | 2.1% | 2.1% | 2.1% |
| 19 | | 1.9% | 2.1% | | 3.9% | 1.4% | 2.4% | 2.4% | 2.3% |
| 17 | | 1.6% | 2.1% | | 2.5% | 2.1% | 2.0% | 2.0% | 2.2% |
| 9 | | 1.4% | 2.0% | | 1.7% | 1.8% | 2.0% | 2.3% | 2.1% |
| 30 | | 1.8% | 2.0% | | 3.4% | 1.8% | 2.3% | 1.8% | 2.2% |
| 18 | | 1.9% | 2.0% | | 3.9% | 1.3% | 2.2% | 2.2% | 2.2% |
| 10 | | 1.5% | 2.0% | | 2.0% | 1.6% | 2.1% | 2.1% | 2.1% |
| 7 | | 1.8% | 1.9% | | 3.2% | 1.9% | 1.9% | 1.9% | 2.1% |
| 14 | | 1.3% | 1.9% | | 1.4% | 2.0% | 1.8% | 1.8% | 1.9% |
| 5 | | 1.4% | 1.7% | | 1.8% | 1.6% | 1.8% | 1.8% | 1.8% |
| 2 | | 1.4% | 1.7% | | 1.9% | 0.5% | 2.2% | 2.0% | 2.3% |
| 27 | | 1.3% | 1.7% | | 1.2% | 1.3% | 1.8% | 2.4% | 1.5% |
| 23 | | 1.4% | 1.7% | | 1.6% | 1.7% | 1.7% | 1.7% | 1.8% |
| 16 | | 1.4% | 1.7% | | 1.7% | 1.6% | 1.8% | 1.7% | 1.7% |
| 8 | | 1.6% | 1.7% | | 2.5% | 0.7% | 1.8% | 2.7% | 1.5% |
| 31 | | 1.3% | 1.6% | | 1.5% | 1.6% | 1.6% | 1.6% | 1.6% |
| 4 | | 1.3% | 1.2% | | 1.2% | 1.1% | 1.2% | 1.2% | 1.2% |
| 12 | | 1.4% | 0.2% | | 1.9% | 0.1% | 0.2% | 0.2% | 0.2% |
| 28 | | 1.0% | 0.1% | | 0.1% | 0.1% | 0.1% | 0.1% | 0.1% |
| MEDIAN | | 1.4% | 2.0% | | 1.9% | 1.8% | 2.1% | 2.3% | 2.2% |
| MEAN | | 1.5% | 2.0% | | 2.2% | 1.7% | 2.0% | 2.2% | 2.0% |
| STD DEV | | 0.2% | 0.6% | | 0.9% | 0.6% | 0.7% | 0.8% | 0.6% |
| HIGH | | 1.9% | 3.1% | | 3.9% | 2.4% | 3.6% | 4.1% | 3.0% |
| LOW | | 1.0% | 0.1% | | 0.1% | 0.1% | 0.1% | 0.1% | 0.1% |

Table 18 - Treasury Constant Maturity - One-year Rate

| Individual | Q4 value | | | Q316 | Q416 | Q117 | Q217 | Q317 | Q417 |
|------------|----------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 2015 | 2016 | 2017 | | | | | | |
| | 0.46% | | | 0.56% | | | | | |
| 7 | | 0.74% | 2.00% | | 0.74% | 1.30% | 1.60% | 1.80% | 2.00% |
| 10 | | 0.84% | 1.98% | | 0.84% | 1.31% | 1.56% | 1.81% | 1.98% |
| 19 | | 0.77% | 1.86% | | 0.77% | 1.04% | 1.30% | 1.58% | 1.86% |
| 15 | | 0.85% | 1.71% | | 0.85% | 1.05% | 1.35% | 1.53% | 1.71% |
| 3 | | 0.76% | 1.70% | | 0.76% | 1.12% | 1.40% | 1.40% | 1.70% |
| 11 | | 0.80% | 1.60% | | 0.80% | 1.05% | 1.10% | 1.35% | 1.60% |
| 23 | | 0.56% | 1.50% | | 0.56% | 0.75% | 1.00% | 1.25% | 1.50% |
| 29 | | 0.68% | 1.40% | | 0.68% | 0.92% | 1.11% | 1.25% | 1.40% |
| 22 | | 0.76% | 1.38% | | 0.76% | 0.80% | 1.02% | 1.08% | 1.38% |
| 9 | | 0.76% | 1.38% | | 0.76% | 0.90% | 1.06% | 1.35% | 1.38% |
| 20 | | 0.76% | 1.37% | | 0.76% | 0.82% | 1.03% | 1.08% | 1.37% |
| 26 | | 0.76% | 1.36% | | 0.76% | 0.94% | 1.04% | 1.28% | 1.36% |
| 25 | | 0.69% | 1.34% | | 0.69% | 0.89% | 1.02% | 1.13% | 1.34% |
| 17 | | 0.74% | 1.32% | | 0.74% | 0.85% | 0.92% | 1.12% | 1.32% |
| 5 | | 0.60% | 1.20% | | 0.60% | 0.80% | 1.00% | 1.20% | 1.20% |
| 27 | | 0.64% | 1.14% | | 0.64% | 0.71% | 0.88% | 0.99% | 1.14% |
| 30 | | 0.60% | 1.06% | | 0.60% | 0.79% | 0.98% | 1.05% | 1.06% |
| 1 | | 0.80% | 1.00% | | 0.80% | 0.86% | 0.90% | 0.90% | 1.00% |
| 8 | | 0.70% | 1.00% | | 0.70% | 0.70% | 1.00% | 1.00% | 1.00% |
| 24 | | 0.62% | 0.90% | | 0.62% | 0.67% | 0.75% | 0.81% | 0.90% |
| 31 | | 0.65% | 0.90% | | 0.65% | 0.75% | 0.80% | 0.85% | 0.90% |
| 2 | | 0.60% | 0.83% | | 0.60% | 0.70% | 0.79% | 0.75% | 0.83% |
| 16 | | 0.72% | 0.75% | | 0.72% | 0.85% | 0.81% | 0.74% | 0.75% |
| 12 | | 0.60% | 0.50% | | 0.60% | 0.45% | 0.46% | 0.48% | 0.50% |
| 28 | | 0.40% | 0.40% | | 0.40% | 0.40% | 0.40% | 0.40% | 0.40% |
| 4 | | 0.35% | 0.35% | | 0.35% | 0.35% | 0.35% | 0.35% | 0.35% |
| MEDIAN | | 0.71% | 1.33% | | 0.71% | 0.84% | 1.00% | 1.10% | 1.33% |
| MEAN | | 0.68% | 1.23% | | 0.68% | 0.84% | 0.99% | 1.10% | 1.23% |
| STD DEV | | 0.12% | 0.44% | | 0.12% | 0.23% | 0.30% | 0.37% | 0.44% |
| HIGH | | 0.85% | 2.00% | | 0.85% | 1.31% | 1.60% | 1.81% | 2.00% |
| LOW | | 0.35% | 0.35% | | 0.35% | 0.35% | 0.35% | 0.35% | 0.35% |

Table 19 - Treasury Constant Maturity - Ten-year Rate

| Individual | Q4 value | | | Q316 | Q416 | Q117 | Q217 | Q317 | Q417 |
|------------|----------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 2015 | 2016 | 2017 | | | | | | |
| | 2.19% | | | 1.56% | | | | | |
| 7 | | 2.20% | 4.00% | | 2.20% | 3.10% | 3.50% | 3.70% | 4.00% |
| 3 | | 2.20% | 3.10% | | 2.20% | 2.30% | 2.60% | 3.00% | 3.10% |
| 30 | | 2.16% | 3.10% | | 2.16% | 2.38% | 3.00% | 3.30% | 3.10% |
| 15 | | 1.93% | 3.06% | | 1.93% | 2.20% | 2.54% | 2.78% | 3.06% |
| 26 | | 2.10% | 3.00% | | 2.10% | 2.30% | 2.60% | 2.80% | 3.00% |
| 9 | | 1.85% | 2.80% | | 1.85% | 2.10% | 2.20% | 2.60% | 2.80% |
| 19 | | 1.99% | 2.78% | | 1.99% | 2.38% | 2.49% | 2.63% | 2.78% |
| 11 | | 1.65% | 2.70% | | 1.65% | 2.00% | 2.30% | 2.50% | 2.70% |
| 1 | | 1.76% | 2.50% | | 1.76% | 1.95% | 2.38% | 2.30% | 2.50% |
| 12 | | 2.30% | 2.50% | | 2.30% | 2.35% | 2.42% | 2.49% | 2.50% |
| 23 | | 1.75% | 2.50% | | 1.75% | 1.75% | 2.00% | 2.25% | 2.50% |
| 14 | | 1.86% | 2.49% | | 1.86% | 2.02% | 2.20% | 2.37% | 2.49% |
| 18 | | 1.90% | 2.40% | | 1.90% | 1.90% | 2.15% | 2.15% | 2.40% |
| 28 | | 2.20% | 2.40% | | 2.20% | 2.30% | 2.40% | 2.40% | 2.40% |
| 6 | | 1.68% | 2.37% | | 1.68% | 1.84% | 1.99% | 2.18% | 2.37% |
| 21 | | 2.00% | 2.35% | | 2.00% | 2.15% | 2.25% | 2.29% | 2.35% |
| 10 | | 1.90% | 2.34% | | 1.90% | 2.10% | 2.20% | 2.26% | 2.34% |
| 4 | | 2.20% | 2.30% | | 2.20% | 2.20% | 2.20% | 2.20% | 2.30% |
| 25 | | 1.85% | 2.28% | | 1.85% | 1.96% | 2.00% | 2.09% | 2.28% |
| 29 | | 1.85% | 2.23% | | 1.85% | 1.96% | 2.00% | 2.06% | 2.23% |
| 17 | | 1.80% | 2.20% | | 1.80% | 2.00% | 2.10% | 2.10% | 2.20% |
| 24 | | 1.73% | 2.11% | | 1.73% | 1.82% | 1.93% | 2.02% | 2.11% |
| 5 | | 1.70% | 2.10% | | 1.70% | 1.80% | 1.90% | 2.00% | 2.10% |
| 16 | | 1.99% | 2.10% | | 1.99% | 1.95% | 2.10% | 2.30% | 2.10% |
| 20 | | 1.92% | 2.04% | | 1.92% | 1.95% | 1.97% | 2.02% | 2.04% |
| 22 | | 1.91% | 2.04% | | 1.91% | 1.94% | 1.97% | 2.01% | 2.04% |
| 31 | | 1.95% | 2.00% | | 1.95% | 2.00% | 1.95% | 2.00% | 2.00% |
| 2 | | 1.60% | 1.92% | | 1.60% | 1.78% | 1.82% | 1.87% | 1.92% |
| 27 | | 1.73% | 1.91% | | 1.73% | 1.72% | 1.75% | 1.79% | 1.91% |
| 8 | | 1.85% | 1.72% | | 1.85% | 1.72% | 1.72% | 1.72% | 1.72% |
| MEDIAN | | 1.90% | 2.36% | | 1.90% | 2.00% | 2.18% | 2.26% | 2.36% |
| MEAN | | 1.92% | 2.44% | | 1.92% | 2.06% | 2.22% | 2.34% | 2.44% |
| STD DEV | | 0.18% | 0.46% | | 0.18% | 0.28% | 0.37% | 0.43% | 0.46% |
| HIGH | | 2.30% | 4.00% | | 2.30% | 3.10% | 3.50% | 3.70% | 4.00% |
| LOW | | 1.60% | 1.72% | | 1.60% | 1.72% | 1.72% | 1.72% | 1.72% |

Table 20 - J.P. Morgan Trade Weighted OECD Dollar

| Individual | Q4 over Q4 | | | Q316 | Q416 | Q117 | Q217 | Q317 | Q417 |
|------------|------------|-------|-------|------|-------|-------|-------|-------|-------|
| | 2015 | 2016 | 2017 | | | | | | |
| | 11.6% | | | 0.9% | | | | | |
| 28 | | 13.4% | 63.0% | | 13.0% | 13.0% | 13.0% | 13.0% | 13.0% |
| 4 | | 12.7% | 59.2% | | 12.3% | 12.3% | 12.3% | 12.3% | 12.4% |
| 12 | | 12.4% | 58.8% | | 12.0% | 12.1% | 12.2% | 12.3% | 12.4% |
| 24 | | 1.3% | 37.1% | | 0.9% | 1.0% | 13.3% | 10.9% | 8.0% |
| 9 | | 1.2% | 20.0% | | 0.9% | 1.2% | 2.5% | 5.0% | 10.2% |
| 5 | | 1.8% | 13.1% | | 1.5% | 2.0% | 3.0% | 3.5% | 4.0% |
| 2 | | 1.0% | 12.6% | | 0.7% | 2.6% | 2.0% | 3.2% | 4.3% |
| 30 | | 2.0% | 10.0% | | 1.6% | 3.0% | 9.7% | 0.3% | -3.0% |
| 23 | | 0.4% | 6.6% | | 0.1% | 1.3% | 1.5% | 1.7% | 2.0% |
| 29 | | 3.9% | 4.7% | | 3.5% | 2.3% | 0.4% | 1.0% | 1.0% |
| 27 | | 1.6% | 3.8% | | 1.2% | 1.9% | -0.5% | 1.1% | 1.3% |
| 3 | | 1.0% | 3.0% | | 0.7% | 0.8% | 0.8% | 0.7% | 0.7% |
| 25 | | 3.3% | 2.6% | | 3.0% | 1.6% | 0.4% | 0.4% | 0.1% |
| x1 | | 1.8% | 2.5% | | 1.5% | 1.0% | 0.5% | 0.5% | 0.5% |
| 17 | | 1.8% | 2.0% | | 1.5% | 0.5% | 0.5% | 0.5% | 0.5% |
| 26 | | 1.8% | 1.1% | | 1.5% | 0.7% | 0.2% | 0.1% | 0.1% |
| 16 | | 1.8% | 0.4% | | 1.5% | 2.5% | -0.5% | -2.0% | 0.5% |
| 1 | | 0.4% | 0.4% | | 0.1% | 0.1% | 0.1% | 0.1% | 0.1% |
| 10 | | 1.7% | -3.2% | | 1.4% | -0.9% | -1.1% | -0.7% | -0.5% |
| MEDIAN | | 1.8% | 4.7% | | 1.5% | 1.6% | 0.8% | 1.0% | 1.0% |
| MEAN | | 3.4% | 15.7% | | 3.1% | 3.1% | 3.7% | 3.4% | 3.6% |
| STD DEV | | 4.1% | 21.3% | | 4.1% | 4.2% | 5.2% | 4.8% | 4.9% |
| HIGH | | 13.4% | 63.0% | | 13.0% | 13.0% | 13.3% | 13.0% | 13.0% |
| LOW | | 0.4% | -3.2% | | 0.1% | -0.9% | -1.1% | -2.0% | -3.0% |

Table 21a - Individual Forecasts for 2017

| Individual | GDP current dollars | GDP price index, Chain-type | Real GDP, chained dollars | Personal consumption expenditures | Business fixed investment | Residential investment | Change in private inventories | Net exports | Government consumption expenditures and gross investment |
|------------|---------------------|-----------------------------|---------------------------|-----------------------------------|---------------------------|------------------------|-------------------------------|-------------|--|
| 1 | 6.2% | 2.8% | 3.3% | 3.2% | 2.8% | 2.0% | \$13.1 | -\$518.2 | 3.0% |
| 2 | 4.0% | 0.7% | 3.2% | 1.4% | 3.4% | -2.4% | \$44.2 | -\$527.3 | 1.1% |
| 3 | 4.6% | 2.4% | 2.7% | 3.1% | 3.8% | 6.9% | \$68.0 | -\$670.0 | 1.1% |
| 4 | 4.5% | 2.7% | 2.7% | 2.2% | 2.3% | 4.5% | \$80.0 | -\$560.0 | 0.0% |
| 5 | 3.6% | 1.0% | 2.6% | 2.8% | 2.7% | 10.2% | \$59.0 | -\$620.0 | 0.8% |
| 6 | 4.8% | 2.2% | 2.6% | 2.0% | 4.6% | 4.5% | \$58.5 | -\$555.5 | 0.3% |
| 7 | 4.0% | 1.5% | 2.5% | 2.4% | 4.2% | -1.3% | \$40.0 | -\$520.8 | 1.4% |
| 8 | 5.1% | 2.1% | 2.5% | 1.8% | 3.3% | 2.9% | \$25.0 | -\$467.3 | 1.3% |
| 9 | 4.7% | 2.2% | 2.4% | 2.6% | 3.1% | 3.3% | \$110.7 | -\$549.2 | 3.2% |
| 10 | 4.4% | 2.0% | 2.4% | 2.3% | 5.3% | 7.2% | \$47.5 | -\$637.7 | 1.1% |
| 11 | 4.8% | 2.1% | 2.4% | 3.2% | 4.1% | 15.1% | \$59.2 | -\$632.0 | 0.6% |
| 12 | 1.7% | 2.0% | 2.4% | 2.6% | 3.3% | 2.9% | \$21.0 | -\$580.0 | 5.6% |
| 13 | 4.6% | 2.2% | 2.4% | | | | | | |
| 14 | 4.0% | 1.7% | 2.3% | 2.1% | 2.7% | 7.8% | \$46.4 | -\$553.4 | 1.2% |
| 15 | 4.3% | 2.0% | 2.3% | 2.5% | 2.7% | 3.6% | \$60.1 | -\$603.1 | 1.3% |
| 16 | 3.9% | 1.7% | 2.2% | 2.2% | 0.1% | 4.5% | \$45.0 | -\$520.0 | 1.3% |
| 17 | 2.2% | 0.7% | 2.2% | 2.6% | 4.2% | 2.5% | \$30.0 | -\$540.0 | 0.4% |
| 18 | 4.3% | 2.1% | 2.2% | 3.0% | 3.2% | 7.2% | \$18.4 | -\$644.1 | 0.4% |
| 19 | 4.3% | 2.1% | 2.2% | 2.5% | 3.9% | 6.3% | \$52.3 | -\$647.6 | 0.4% |
| 20 | 3.9% | 1.8% | 2.1% | 2.5% | 3.2% | 7.0% | \$50.0 | -\$630.0 | 0.9% |
| 21 | 4.0% | 2.0% | 2.1% | 2.0% | 3.4% | 5.2% | \$36.6 | -\$596.4 | 1.4% |
| 22 | 4.2% | 2.1% | 2.0% | 2.2% | 3.9% | 5.2% | \$45.0 | -\$616.2 | 1.3% |
| 23 | 0.5% | 1.9% | 2.0% | 2.9% | 1.0% | 1.7% | \$26.0 | -\$488.0 | 1.6% |
| 24 | 2.3% | 2.3% | 1.9% | 0.7% | 2.9% | 2.3% | \$15.2 | -\$538.2 | 2.2% |
| 25 | 4.2% | 2.4% | 1.8% | 1.9% | 3.9% | 4.8% | \$7.0 | -\$622.2 | 0.2% |
| 26 | 3.6% | 1.8% | 1.8% | 2.0% | 2.1% | 6.0% | \$11.0 | -\$566.9 | 0.5% |
| 27 | 3.2% | 1.5% | 1.5% | 1.7% | 1.6% | -1.4% | \$26.3 | -\$532.8 | 0.7% |
| 28 | 1.6% | 4.5% | 1.5% | 4.4% | 0.0% | 1.7% | \$95.0 | -\$400.0 | -13.8% |
| 29 | 3.9% | 2.4% | 1.5% | 1.5% | 3.2% | 4.0% | \$1.0 | -\$620.0 | 0.2% |
| 30 | 3.5% | 2.2% | 1.3% | 2.2% | 1.6% | -0.6% | \$8.4 | -\$662.1 | 0.9% |
| 31 | 1.3% | 0.2% | 1.2% | 1.2% | -1.1% | 0.9% | \$45.0 | -\$510.0 | 1.4% |
| 32 | 2.7% | 3.2% | -0.5% | | | | | | |
| X1 | | | | | | | | | |
| X2 | 1.9% | | | 2.3% | 4.6% | 5.5% | \$12.9 | | 0.2% |
| X3 | | | | | | | | | |
| X4 | | | | | | | | | |
| X5 | | | | | | | | | |
| X6 | | | | | | | | | |
| MEDIAN | 4.0% | 2.1% | 2.2% | 2.3% | 3.2% | 4.5% | \$44.2 | -\$563.5 | 1.1% |
| MEAN | 3.7% | 2.0% | 2.1% | 2.3% | 2.9% | 4.2% | \$40.6 | -\$571.0 | 0.7% |
| STD DEV | 1.2% | 0.7% | 0.7% | 0.7% | 1.4% | 3.5% | \$25.6 | \$62.5 | 2.9% |
| HIGH | 6.2% | 4.5% | 3.3% | 4.4% | 5.3% | 15.1% | \$110.7 | -\$400.0 | 5.6% |
| LOW | 0.5% | 0.2% | -0.5% | 0.7% | -1.1% | -2.4% | \$1.0 | -\$670.0 | -13.8% |

Table 21b - Individual Forecasts for 2017

| Individual | Industrial production | Car & light truck sales | Housing starts | Oil Price | Unemployment rate | Inflation rate (CPI) | Treasury constant maturity one-year rate | Treasury constant maturity ten-year rate | J.P. Morgan trade weighted OECD dollar |
|------------|-----------------------|-------------------------|----------------|-----------|-------------------|----------------------|--|--|--|
| 1 | 3.2% | | | \$55.00 | 4.7% | 2.7% | 1.00% | 2.50% | 0.4% |
| 2 | -1.3% | 17.2 | 1.10 | \$52.00 | 4.8% | 1.7% | 0.83% | 1.92% | 12.6% |
| 3 | 2.1% | 17.7 | 1.20 | \$56.25 | 4.8% | 2.3% | 1.70% | 3.10% | 3.0% |
| 4 | 2.9% | 17.5 | 1.20 | \$49.00 | 5.4% | 1.2% | 0.35% | 2.30% | 59.2% |
| 5 | 1.0% | 17.5 | 1.20 | \$51.00 | 4.8% | 1.7% | 1.20% | 2.10% | 13.1% |
| 6 | 2.5% | 16.7 | 1.26 | | 5.0% | 2.1% | | 2.37% | |
| 7 | 2.3% | 17.4 | 1.12 | \$45.90 | 5.5% | 1.9% | 2.00% | 4.00% | |
| 8 | 0.5% | 17.6 | 1.17 | \$45.00 | 4.3% | 1.7% | 1.00% | 1.72% | |
| 9 | 2.1% | 17.1 | 1.25 | \$57.30 | 4.9% | 2.0% | 1.38% | 2.80% | 20.0% |
| 10 | 1.9% | 17.0 | 1.29 | \$49.15 | 4.7% | 2.0% | 1.98% | 2.34% | -3.2% |
| 11 | 2.1% | 17.2 | 1.20 | \$63.00 | 4.7% | 2.1% | 1.60% | 2.70% | |
| 12 | 3.7% | 23.0 | 1.30 | \$51.00 | 4.5% | 0.2% | 0.50% | 2.50% | 58.8% |
| 13 | | 17.6 | | | | | | | |
| 14 | 3.4% | 17.3 | 1.25 | \$51.06 | 4.7% | 1.9% | | 2.49% | |
| 15 | 1.7% | 17.3 | 1.17 | \$46.00 | 4.8% | 2.4% | 1.71% | 3.06% | |
| 16 | -0.3% | 16.5 | 1.19 | \$45.00 | 5.2% | 1.7% | 0.75% | 2.10% | 0.4% |
| 17 | 1.0% | 17.2 | 1.29 | \$60.00 | 4.9% | 2.1% | 1.32% | 2.20% | 2.0% |
| 18 | 1.6% | | 1.31 | \$53.13 | 4.5% | 2.0% | | 2.40% | |
| 19 | 1.9% | | 1.30 | \$50.87 | 4.4% | 2.1% | 1.86% | 2.78% | |
| 20 | 2.2% | 16.9 | 1.18 | \$55.00 | 4.6% | 2.4% | 1.37% | 2.04% | |
| 21 | 2.1% | | 1.17 | \$55.00 | 4.6% | 2.2% | | 2.35% | |
| 22 | 2.3% | 17.0 | 1.18 | \$60.00 | 4.6% | 2.5% | 1.38% | 2.04% | |
| 23 | 1.5% | 16.4 | 1.20 | \$56.00 | 4.7% | 1.7% | 1.50% | 2.50% | 6.6% |
| 24 | 0.0% | 16.9 | 1.25 | \$50.90 | 4.6% | 2.2% | 0.90% | 2.11% | 37.1% |
| 25 | 1.2% | 17.4 | 1.21 | \$53.85 | 4.8% | 2.7% | 1.34% | 2.28% | 2.6% |
| 26 | 1.8% | 17.3 | 1.26 | \$53.00 | 4.8% | 2.3% | 1.36% | 3.00% | 1.1% |
| 27 | 1.5% | 16.7 | 1.12 | \$48.28 | 4.8% | 1.7% | 1.14% | 1.91% | 3.8% |
| 28 | 3.8% | 17.4 | 1.20 | \$50.00 | 5.0% | 0.1% | 0.40% | 2.40% | 63.0% |
| 29 | 0.2% | 17.3 | 1.19 | \$55.70 | 4.9% | 3.1% | 1.40% | 2.23% | 4.7% |
| 30 | 1.1% | 16.1 | 1.13 | \$44.26 | 5.3% | 2.0% | 1.06% | 3.10% | 10.0% |
| 31 | -0.2% | 16.8 | 1.12 | \$50.00 | 5.4% | 1.6% | 0.90% | 2.00% | |
| 32 | | | | | | | | | |
| X1 | | | | \$52.00 | 4.8% | | | | 2.5% |
| X2 | 2.2% | 17.5 | | | 4.7% | 2.4% | | | |
| X3 | | 16.8 | 1.5 | | | | | | |
| X4 | | 18.3 | 1.4 | | | | | | |
| X5 | | 18.0 | 1.3 | | | | | | |
| X6 | | 17.6 | 1.3 | | | | | | |
| MEDIAN | 1.9% | 17.3 | 1.20 | \$51.53 | 4.8% | 2.0% | 1.33% | 2.36% | 4.7% |
| MEAN | 1.7% | 17.4 | 1.22 | \$52.16 | 4.8% | 2.0% | 1.23% | 2.44% | 15.7% |
| STD DEV | 1.2% | 1.1 | 0.08 | \$4.59 | 0.3% | 0.6% | 0.44% | 0.46% | 21.3% |
| HIGH | 3.8% | 23.0 | 1.45 | \$63.00 | 5.5% | 3.1% | 2.00% | 4.00% | 63.0% |
| LOW | -1.3% | 16.1 | 1.10 | \$44.26 | 4.3% | 0.1% | 0.35% | 1.72% | -3.2% |

Contributors

| | |
|-------------------------|--|
| Bryan Bezold | Ford Motor Company |
| Yen Chen | Center for Automotive Research |
| Charles Chesbrough | Original Equipment Suppliers Association |
| Bill Crawford | Chicago Plating, Inc. |
| Rajeev Dhawan | Georgia State University |
| Robert Dicianni | ArcelorMittal USA LLC |
| Amy Ebben | ArcelorMittal USA LLC |
| Megan Fietsam | State Farm Insurance |
| Mark Gianopoulos | Metrosatudy |
| Tom Guthrie | FM Fincorp |
| Manuel Gutierrez | ManuelDJGutierrez, LLC |
| Hui Jiang | Kohler Co. |
| Jack Kleinhenz | Kleinhenz & Associates |
| Robert J. Kolbe | RJK Enterprises, Inc. |
| David Lauer | US Bureau of Labor Statistics |
| Daniil Manaenkov | RSQE |
| Harry Moser | Reshoring Initiative |
| Bernard J. Paniak | BJP Economics |
| Jan Pflugfelder | KOMET |
| Thomas J. Portz | Sterling Capital Management, Inc. |
| Arun Raha/Maira Trimble | Eaton |
| Matias Scaglione | Motio Research |
| Will Shearin | Center Punch Economics |
| John Silvia | Wells Fargo |
| Romina Soria | Wisconsin Department of Revenue |
| Laura Spingola | TRADE RESOURCES Ltd. |
| Yingzi Su | General Motors |
| Carl Tannenbaum | Northern Trust |
| Jeff Tennant | OSG USA, INC. |
| Todd Tomalak | John Burns Real Estate Consulting |
| Evert Van Der Heide | Calvin College |
| Kenny Vieth | ACT Research |
| Eric Wagner | Kohler Co. |
| John Baker Welch | William Blair |
| Bill Witte | Witte Econometrics/FTR Transportation Intelligence |
| Richard Yamarone | Bloomberg, LP |
| Glenn Zetek | Komatsu America |
| Mark Zhang | Navistar Inc |