# The Economist Who Loved Me 

On Behalf of

The Mid-Atlantic CIO Forum

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## The World is Not (Growing) Enough

*1999: Pierce Brosnan; Sophie Marceau
Sage Policy Group, Inc.

## Estimated Growth in Output by Select Global Areas

2016 Projected
Advanced economies
Euro area
France
Germany
Italy
Spain
Japan
United Kingdom
Canada
Australia
United States
Emerging market \& developing economies
Sub-Saharan Africa
Emerging \& developing Europe
Russia
Emerging \& developing Asia
China
India
Middle East, North Africa, Afghanistan, \& Pakistan
Latin America \& the Caribbean
Mexico
Brazil

$$
-6.0 \%-4.0 \%-2.0 \% \quad 0.0 \% \quad 2.0 \% \quad 4.0 \% \quad 6.0 \% \quad 8.0 \% \quad 10.0 \%
$$

## 2016 Proj. Global Output Growth: 3.1\%

## Annual \% Change

## Source: International Monetary Fund, World Economic Outlook Database, October 2016

## NYMEX Crude Oil Future Prices in U.S. Dollars

November 2001 through November 2016


## Source: U.S. Energy Information Administration

*Month of November = average of daily prices from 11/1-11/30

## World Oil Demand Growth 2007Q1 through 2016Q3



Source: The World Bank; International Energy Agency
Note: Demand measured as deliveries from refineries and primary stocks, comprises inland deliveries, international marine bunkers, refinery fuel, crude for direct burning, oil from non-conventional sources and other sources of supply.


## Moneypenny-Metal Price Indices

November 2007 through November 2016


Base metals include aluminum, copper, lead, nickel, tin and zinc.
Precious metals include gold, platinum, and silver.

## Baltic Dry Index

December 2009 through December 2016


## Source: Quandl.com

The Baltic Dry Index (BDI) is a measure of the price of shipping major raw materials such as metals, grains, and fossil fuels by sea.
The BDI is a composite of 3 sub-indices, each covering a different carrier size: Capesize, Panamax, and Supramax.

## Quantum of Solace

*2008: Daniel Craig; Olga Kurylenko

Sage Policy Group, Inc.

## Gross Domestic Product

## 1990Q1 through 2016Q3*



## Contributions to GDP Growth by Component

2015Q4-2016Q3*


## Net Change in U.S. Jobs, BLS

November 2002 through November 2016


## National Nonfarm Employment <br> by Industry Sector

November 2015 v. November 2016
Education and Health Services
Professional and Business Services
Trade, Transportation, and Utilities
Leisure and Hospitality Government

Construction Financial Activities
Other Services
Information
Manufacturing
Mining and Logging

## All told 2,253K jobs gained

## Fastest Growing Industries, Projected 2014-2024

| Industry Description | Sector | THOUSANDS OF JOBS |  | ANNUAL \% CHANGE |
| :---: | :---: | :---: | :---: | :---: |
|  |  | 2014 | 2024 | 2014-24 |
| Home health care services | Health care \& social assist. | 1,262.2 | 2,022.6 | 4.8\% |
| Outpatient care centers | Health care \& social assist. | 711.1 | 1,059.2 | 4.1\% |
| Offices of other health practitioners | Health care \& social assist. | 784.2 | 1,136.5 | 3.8\% |
| Other ambulatory health care services | Health care \& social assist. | 278.6 | 389.0 | 3.4\% |
| Medical and diagnostic laboratories | Health care \& social assist. | 247.4 | 327.1 | 2.8\% |
| Management/scientific/technical consulting services | Prof. \& business services | 1,244.4 | 1,573.7 | 2.4\% |
| Software publishers | Information | 312.5 | 393.2 | 2.3\% |
| Facilities support services | Prof. \& business services | 131.4 | 163.2 | 2.2\% |
| Computer systems design and related services | Prof. \& business services | 1,777.7 | 2,186.6 | 2.1\% |
| Nursing and residential care facilities | Health care \& social assist. | 3,261.0 | 3,996.7 | 2.1\% |
| Securities, commodity contracts, \& other investments | Financial activities | 877.6 | 1,074.2 | 2.0\% |
| Offices of physicians | Health care \& social assist. | 2,470.2 | 2,992.9 | 1.9\% |
| Offices of dentists | Health care \& social assist. | 891.1 | 1,050.9 | 1.7\% |
| Funds, trusts, and other financial vehicles | Financial activities | 3.7 | 4.4 | 1.7\% |
| Local government passenger transit | State \& local government | 277.6 | 322.0 | 1.5\% |

## Most Rapidly Declining Industries, Projected 2014-2024

| Industry Description |  | Sector | THOUSANDS OF JOBS | ANNUAL |
| :--- | :--- | ---: | ---: | ---: |
|  | OHANGE |  |  |  |
|  |  | 2014 | 2024 | $2014-24$ |
| Apparel, leather, and allied manufacturing | Manufacturing | 168.5 | 91.7 | $-5.9 \%$ |
| Tobacco manufacturing | Manufacturing | 13.6 | 9.2 | $-3.9 \%$ |
| Postal Service | Federal govt. | 593 | 427.9 | $-3.2 \%$ |
| Federal enterprises (except the Postal Service \& electric utilities) | Federal govt. | 81.1 | 58.9 | $-3.1 \%$ |
| Manufacturing and reproducing magnetic and optical media | Manufacturing | 18.9 | 14.0 | $-2.9 \%$ |
| Communications equipment manufacturing | Manufacturing | 93.5 | 69.5 | $-2.9 \%$ |
| Newspaper, periodical, book, and directory publishers | Information | 412.3 | 309 | $-2.8 \%$ |
| Textile mills and textile product mills | Manufacturing | 232.1 | 174.2 | $-2.8 \%$ |
| Audio and video equipment manufacturing | Manufacturing | 18.9 | 14.6 | $-2.6 \%$ |
| Glass and glass product manufacturing | Manufacturing | 85.8 | 67.3 | $-2.4 \%$ |
| Pulp, paper, and paperboard mills | Manufacturing | 104.2 | 83.0 | $-2.2 \%$ |
| Other miscellaneous manufacturing | Manufacturing | 275.2 | 219.3 | $-2.2 \%$ |
| Hardware manufacturing | Manufacturing | 24.3 | 19.6 | $-2.1 \%$ |
| Federal electric utilities | Federal govt. | 17.9 | 14.5 | $-2.1 \%$ |
| Printing and related support activities | Manufacturing | 452.7 | 371.3 | $-2.0 \%$ |

## Delaware Nonfarm Employment

by Industry Sector Groups (SA)
October 2015 v. October 2016
Absolute Change
Professional and business services
Leisure and hospitality
Education and health services

*According to the Local Area Unemployment Statistics (LAUS) series DE added 6,433 jobs between October 2015 and October 2016.

## Maryland Nonfarm Employment

by Industry Sector Groups (SA)
October 2015 v. October 2016
Absolute Change

*According to the Local Area Unemployment Statistics (LAUS) series MD added 48,425 jobs between October 2015 and October 2016.

## Washington, DC-Arlington-Alexandria MSA Nonfarm Employment

by Industry Sector Groups (NSA)
October 2015 v. October 2016 Absolute Change
Professional and Business Services


## Baltimore-Columbia-Towson MSA Nonfarm Employment

by Industry Sector Groups (NSA)
October 2015 v. October 2016
Absolute Change
Professional and Business Services
Education and Health Services
Leisure and Hospitality
Other Services
Government
Trade, Transportation, and Utilities
Manufacturing
Information
Financial Activities
Mining, Logging, and Construction


## Pennsylvania Nonfarm Employment

by Industry Sector Groups (SA)
October 2015 v. October 2016
Absolute Change
Education \& Health Services
Professional \& Business Services
Leisure \& Hospitality
Trade, Transportation \& Utilities

*According to the Local Area Unemployment Statistics (LAUS) series PA added 30,427 jobs between October 2015 and October 2016.

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Philadelphia-Camden-Wilmington, PA-NJ-DE-MD MSA Nonfarm Employment by Industry Sector Groups (NSA)
October 2015 v. October 2016
Absolute Change
Professional \& Business Services
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## Pittsburgh, PA Nonfarm Employment

by Industry Sector Groups (NSA)
October 2015 v. October 2016 Absolute Change

Professional and Business Services
Government
Other Services
Education and Health Services


Manufacturing


Information
Construction
Mining and Logging
Trade, Transportation, and Utilities


## Employment Growth, U.S. States (SA)

## October 2015 v. October 2016 Percent Change

| Rank | State | \% | Rank | State | \% | Rank | State | \% |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | WASHINGTON | 3.5 | 15 | SOUTH CAROLINA | 2.0 | 35 | MONTANA | 0.8 |
| 2 | OREGON | 3.3 | 19 | DELAWARE | 1.9 | 36 | NEW JERSEY | 0.7 |
| 3 | FLORIDA | 3.1 | 20 | DISTRICT OF COLUMBIA | 1.8 | 36 | PENNSYLVANIA | 0.7 |
| 4 | UTAH | 3.0 | 20 | MISSOURI | 1.8 | 38 | VERMONT | 0.6 |
| 5 | COLORADO | 2.5 | 22 | TEXAS | 1.7 | 39 | ILLINOIS | 0.5 |
| 5 | SOUTH DAKOTA | 2.5 | 22 | VIRGINIA | 1.7 | 40 | NEBRASKA | 0.4 |
| 7 | CALIFORNIA | 2.4 | 24 | RHODE ISLAND | 1.4 | 41 | CONNECTICUT | 0.2 |
| 7 | TENNESSEE | 2.4 | 25 | MARYLAND | 1.3 | 42 | MAINE | 0.0 |
| 9 | GEORGIA | 2.3 | 26 | ALABAMA | 1.2 | 42 | WEST VIRGINIA | 0.0 |
| 9 | NEVADA | 2.3 | 27 | IOWA | 1.1 | 44 | ALASKA | -0.1 |
| 11 | HAWAII | 2.2 | 27 | MINNESOTA | 1.1 | 44 | MISSISSIPPI | -0.1 |
| 11 | IDAHO | 2.2 | 27 | NEW YORK | 1.1 | 46 | LOUISIANA | -0.3 |
| 11 | MICHIGAN | 2.2 | 30 | INDIANA | 1.0 | 47 | KANSAS | -0.4 |
| 14 | NEW HAMPSHIRE | 2.1 | 30 | KENTUCKY | 1.0 | 47 | NEW MEXICO | -0.4 |
| 15 | ARIZONA | 2.0 | 30 | WISCONSIN | 1.0 | 49 | OKLAHOMA | -0.7 |
| 15 | MASSACHUSETTS | 2.0 | 33 | ARKANSAS | 0.9 | 50 | NORTH DAKOTA | -1.8 |
| 15 | NORTH CAROLINA | 2.0 | 33 | OHIO | 0.9 | 51 | WYOMING | -3.5 |

U.S. Year-over-year Percent Change

October: +1.7\%
November: +1.6\%


## Recession Watch

## as of September 2016



## State Technology and Science Index Rankings, 2016

| Rank | State | Score | Rank | State | Score | Rank | State | Score |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | MASSACHUSETTS | 83.7 | 18 | NEW JERSEY | 59.4 | 35 | MONTANA | 43.7 |
| 2 | COLORADO | 80.4 | 19 | NEW YORK | 57.5 | 36 | IOWA | 43.5 |
| 3 | MARYLAND | 80.3 | 20 | TEXAS | 58.7 | 37 | ALABAMA | 42.7 |
| 4 | CALIFORNIA | 75.9 | 21 | NEW MEXICO | 55.2 | 38 | HAWAII | 40.3 |
| 5 | WASHINGTON | 71.8 | 22 | WISCONSIN | 55.1 | 39 | SOUTH DAKOTA | 41.6 |
| 6 | CONNECTICUT | 71.0 | 23 | ARIZONA | 54.9 | 40 | TENNESSEE | 40.2 |
| 7 | MINNESOTA | 69.6 | 24 | NEBRASKA | 53.5 | 41 | MAINE | 38.4 |
| 8 | UTAH | 69.1 | 25 | GEORGIA | 53.5 | 42 | FLORIDA | 38.8 |
| 9 | VIRGINIA | 65.9 | 26 | OHIO | 52.3 | 43 | SOUTH CAROLINA | 35.8 |
| 10 | DELAWARE | 65.4 | 27 | VERMONT | 52.6 | 44 | OKLAHOMA | 34.6 |
| 11 | NEW HAMPSHIRE | 65.3 | 28 | MISSOURI | 50.6 | 45 | NEVADA | 32.8 |
| 12 | NORTH CAROLINA | 62.6 | 29 | NORTH DAKOTA | 49.7 | 46 | MISSISSIPPI | 29.8 |
| 13 | OREGON | 62.3 | 30 | INDIANA | 49.2 | 47 | LOUISIANA | 31.4 |
| 14 | PENNSYLVANIA | 61.5 | 31 | KANSAS | 48.4 | 48 | KENTUCKY | 30.5 |
| 15 | RHODE ISLAND | 59.8 | 32 | IDAHO | 46.3 | 49 | ARKANSAS | 28.0 |
| 16 | MICHIGAN | 58.8 | 33 | ALASKA | 44.9 | 50 | WEST VIRGINIA | 25.8 |
| 17 | ILLINOIS | 59.5 | 34 | WYOMING | 43.0 |  |  |  |

## Unemployment Rates, 20 Largest Metros (NSA)

## October 2016

| Rank | MSA | UR | Rank | MSA |
| :---: | :--- | :---: | :---: | :--- | :---: |

Source: U.S. Bureau of Labor Statistics

1. Area boundaries do not reflect official OMB definitions.


## License to Sell

*License to Kill, 1989: Timothy Dalton; Carey Lowell
Sage Policy Group, Inc.

## 15-Year \& 30-Year Fixed Mortgage Rates

December 1995 through December 2016*

*Week ending 12/8/2016

## U.S. Homeownership (SA)

 1980Q3-2016Q3

Source: U.S. Census Bureau
*SA: seasonally adjusted

## U.S. Private New Multifamily Construction

October 1993 through October 2016


Source: U.S. Census Bureau

## S\&P/Case-Shiller Home Price Indices for Select Metros

 September 2016, 12-Month Percentage Change

## National Nonresidential Construction Spending by Subsector

## October 2015 v. October 2016

Office
Lodging Educational Commercial
Amusement and recreation
Health care
Power
Highway and street Conservation and development

Manufacturing
Transportation
Water supply Public safety
Sewage and waste disposal
Communication
Religious


## Commercial/Multifamily Offshore Investment Sales Volumes Reach New Heights in 2015



Foreign Investment Increases 153.4
Percent in 2015 to $\$ 71.7 b$

## Top Markets for Foreign Office Investment, 2015

## Annual Foreign Office Investment Volume



## Tomorrow Never Dies

*1997: Pierce Brosnan; Michelle Yeoh; Teri Hatcher

## Sales Growth by Type of Business <br> November 2015 v. November 2016*



## Conference Board Leading Economic Indicators Index

August 2007 through October 2016


## Dr. Know

- Turned out to be a disappointing year for the world. Everyone knows about China, Brexit and N. Korea, but we have had problems right here;
- Corporate profit margins had been slipping and inflationary pressures have been building - did not sound like a great recipe for stock prices or for corporate investment going forward;
- Only the consumer is really contributing significantly to growth;
- Job growth has been predictably decent, however - we ended 2015 with a near-record in total job openings and demand for human capital remains elevated;
- Wait, did that just happen? - did we elect, um, him?
- PREVIOUSLY: We may be transitioning very quickly from the mid-cycle stage of the recovery to the late-stage: 2017-18 outlook is murky, particularly 2018.
- NOW: Tax cuts and anticipated stimulus could keep economic weakness at bay until 2019-20.


## Thank You

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