

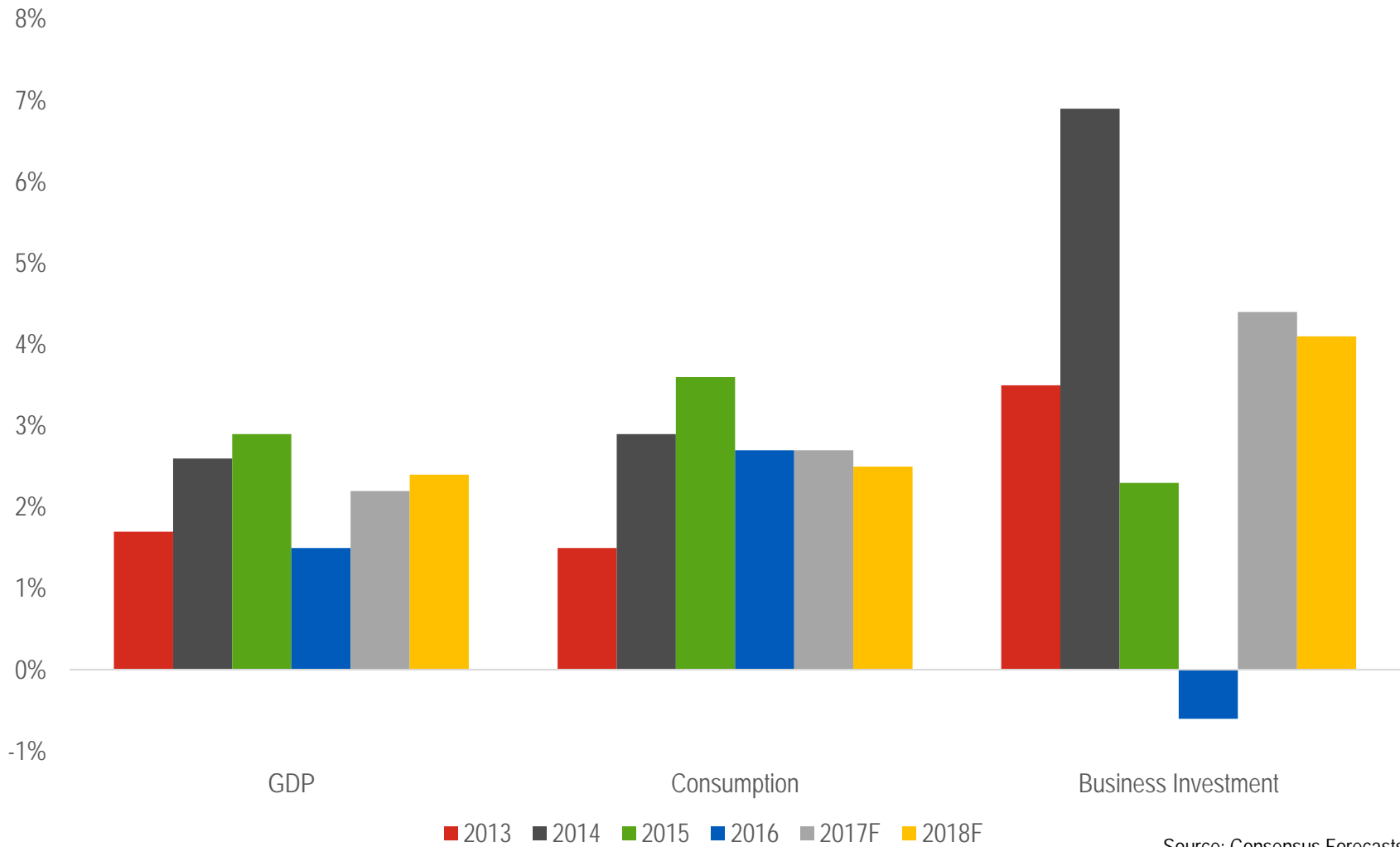
# VEDP QUARTERLY ECONOMIC UPDATE

September 2017



**VIRGINIA ECONOMIC  
DEVELOPMENT PARTNERSHIP**

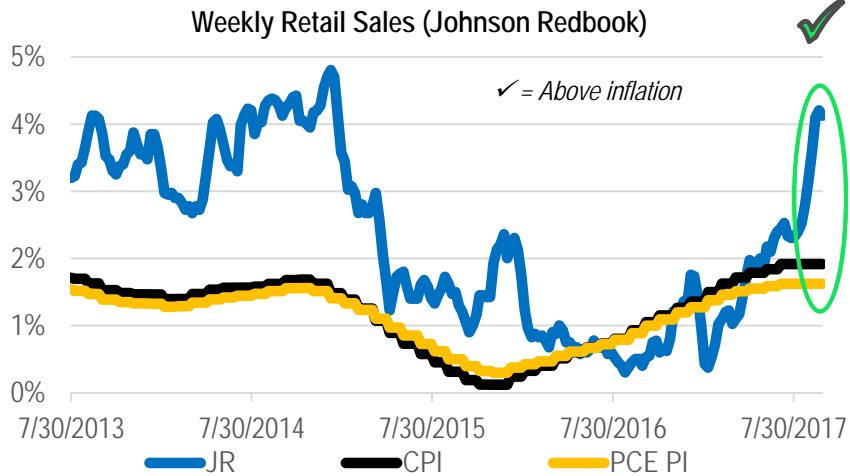
# US ECONOMIC OUTLOOK



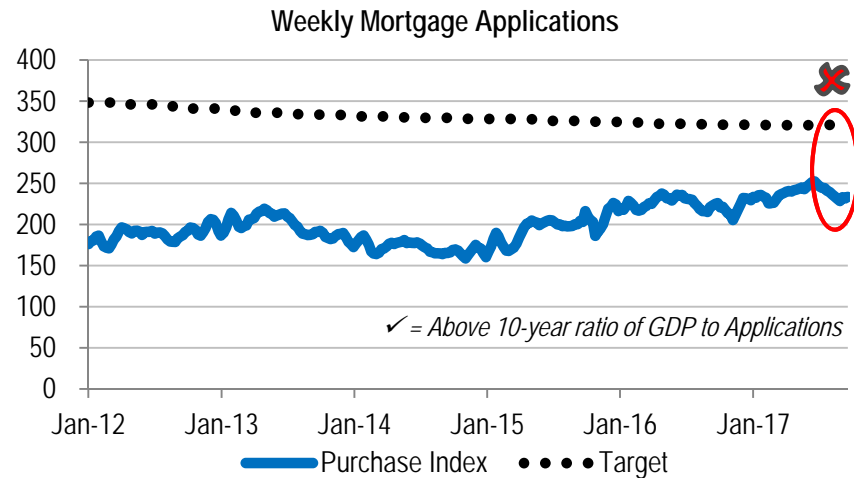
Source: Consensus Forecasts

Data: September 2017

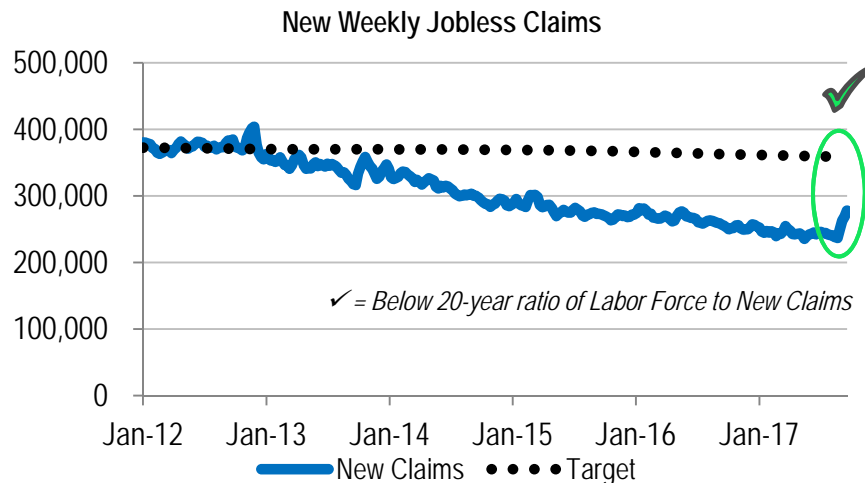
# US WEEKLY INDICATORS



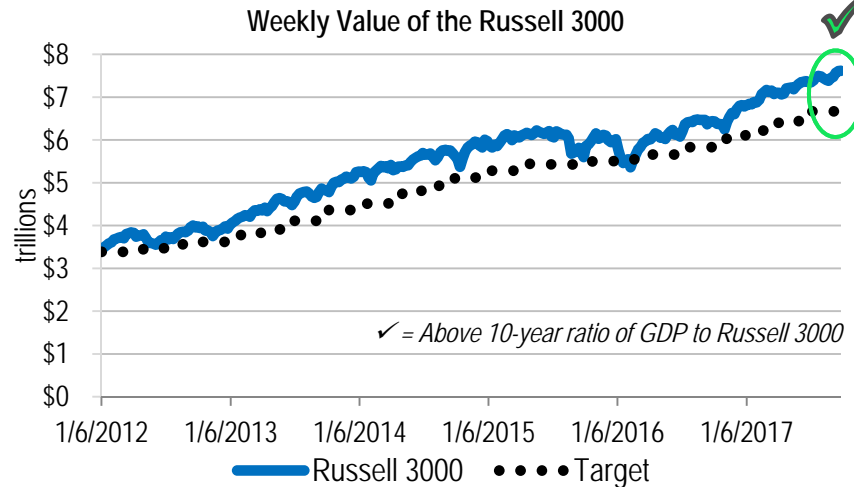
Sources: Johnson Redbook. US BLS. US BEA



Source: Mortgage Bankers Association, VEDP analysis



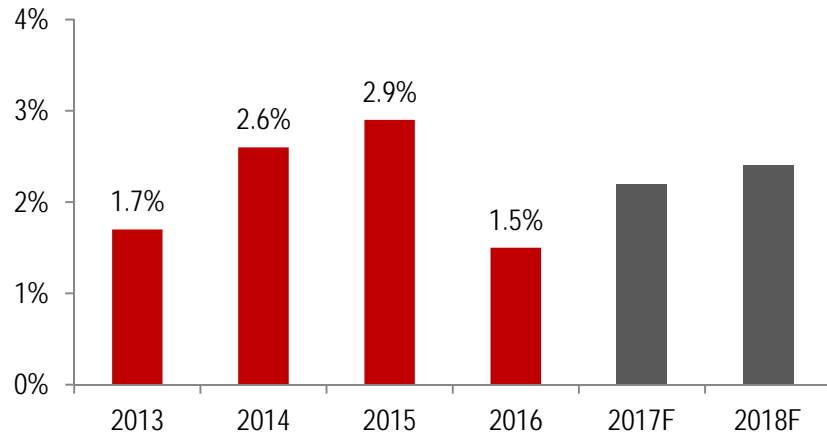
Source: U.S. Department of Labor, VEDP analysis



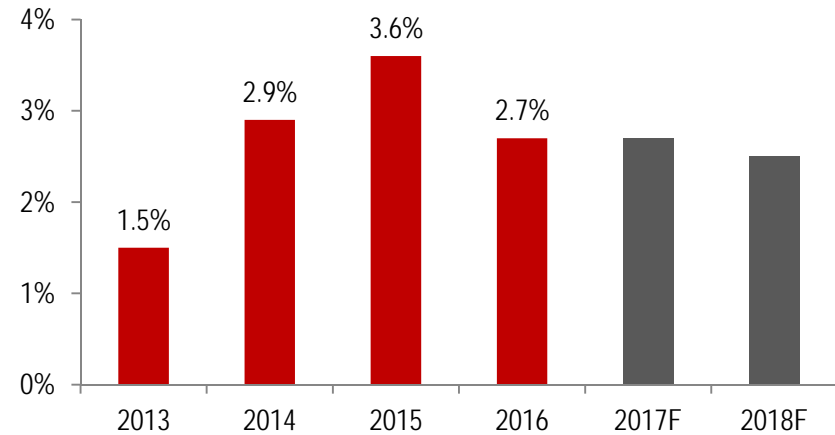
Sources: Russell Investments, VEDP analysis

# US ECONOMIC INDICATORS

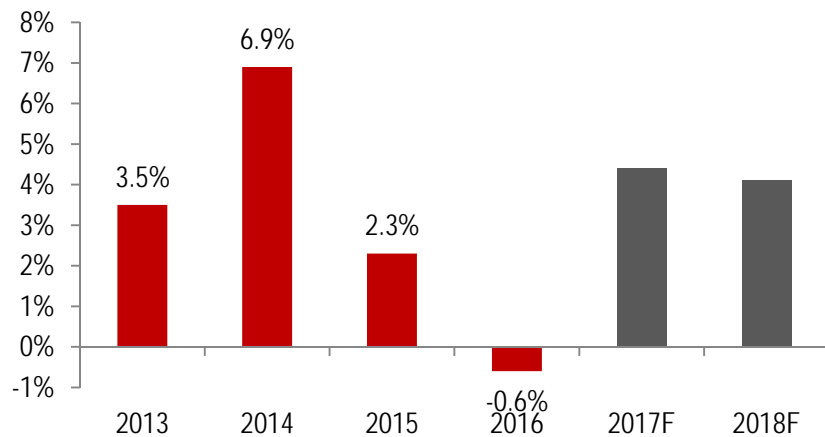
## GDP



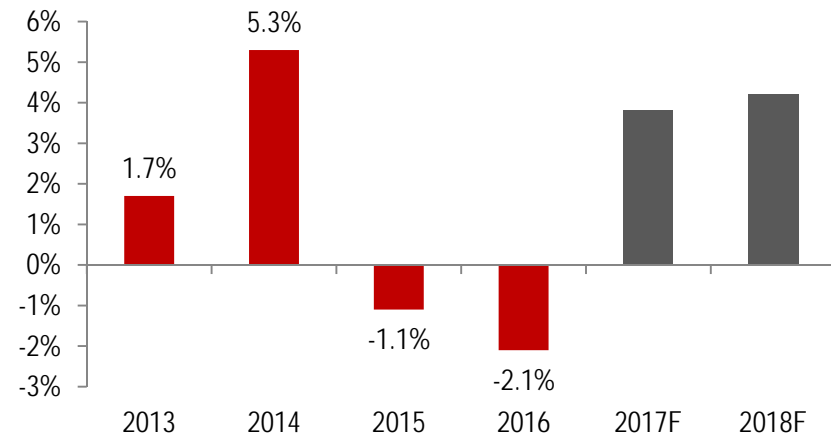
## Personal Consumption



## Business Investment



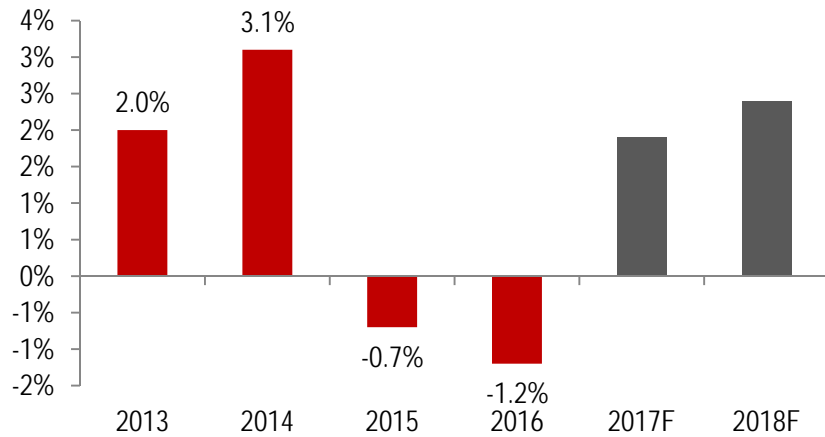
## Corporate Profits



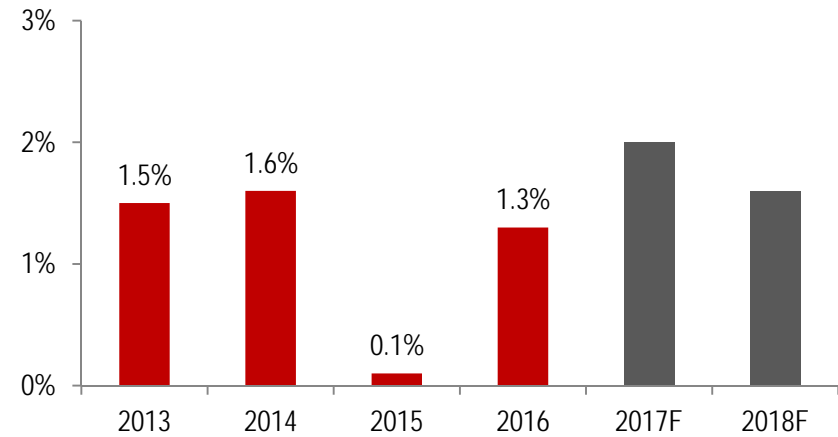
Source: Consensus Forecasts, September 2017

# US ECONOMIC INDICATORS

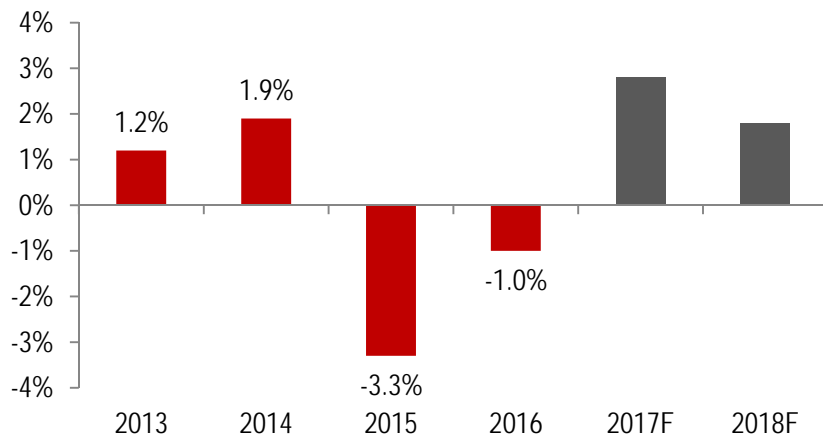
## Industrial Production



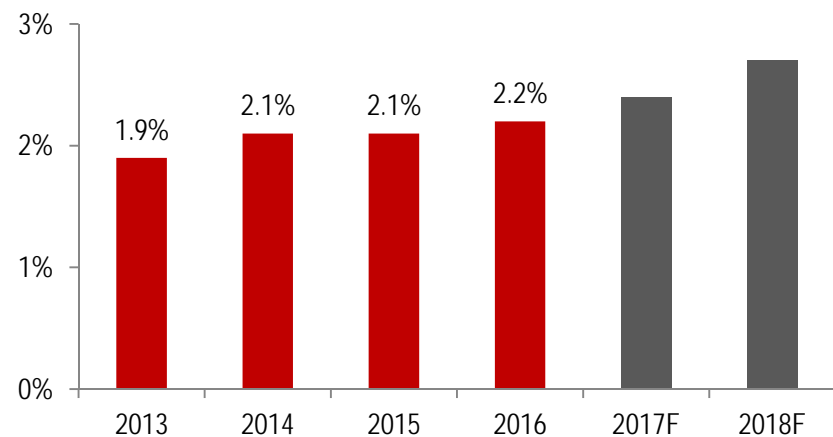
## Consumer Price Index



## Producer Price Index



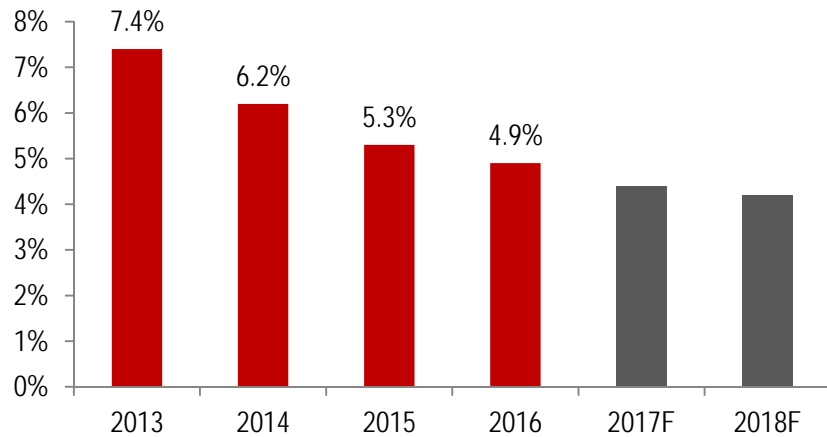
## Employment Cost Index



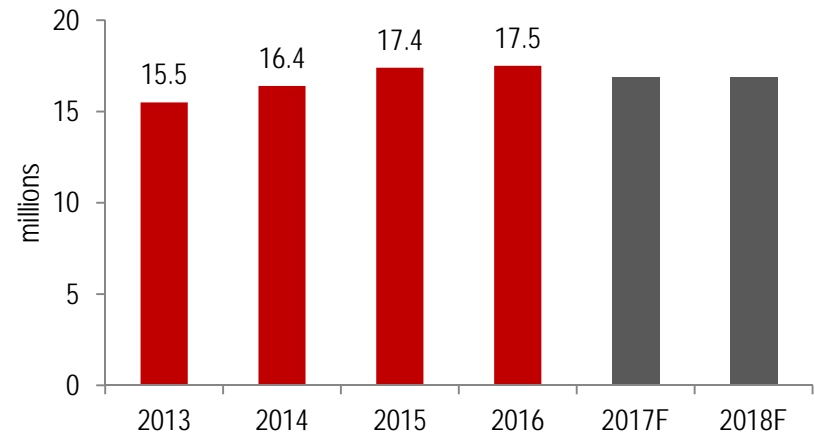
Source: Consensus Forecasts, September 2017

# US ECONOMIC INDICATORS

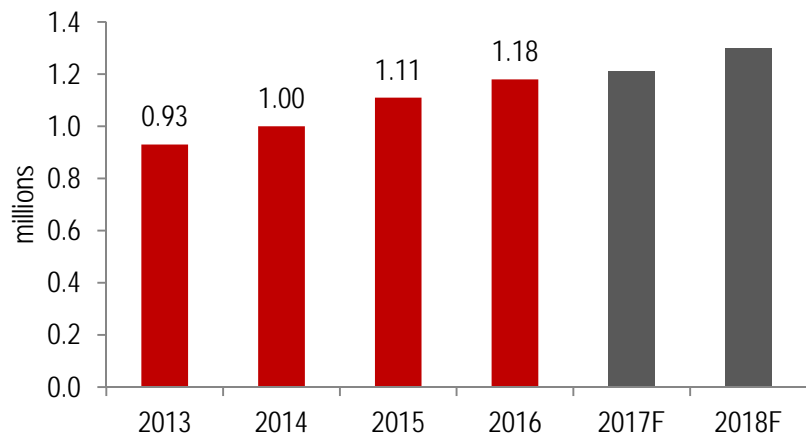
## Unemployment Rate



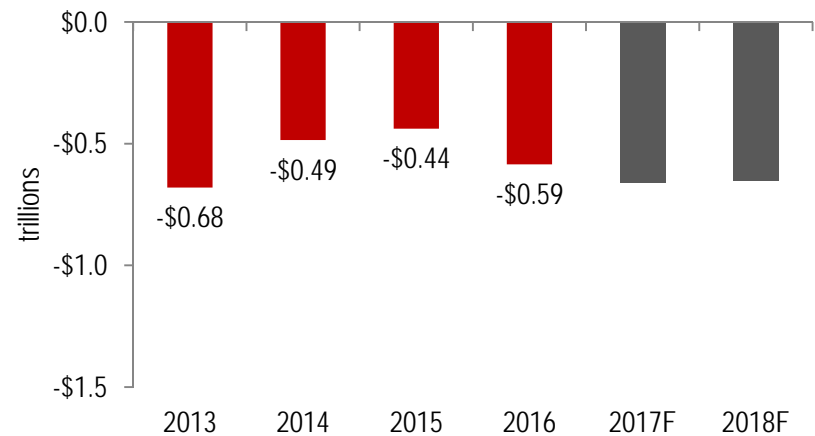
## New Car and Light Truck Sales



## Housing Starts

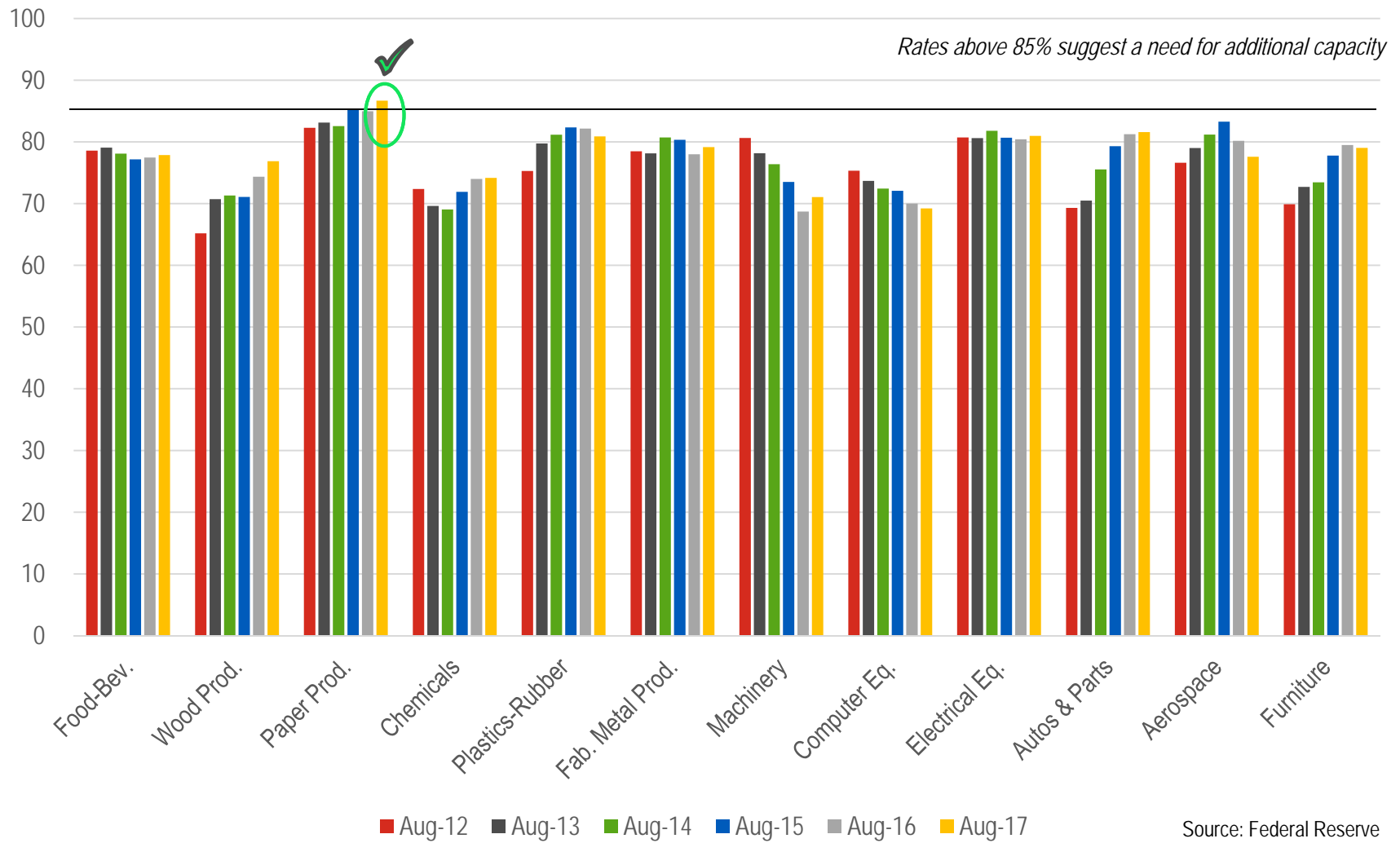


## Federal Budget Balance



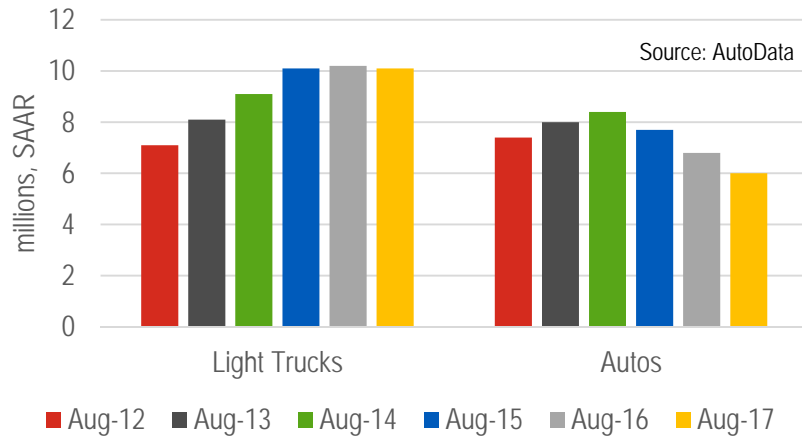
Source: Consensus Forecasts, September 2017

# US CAPACITY UTILIZATION RATES

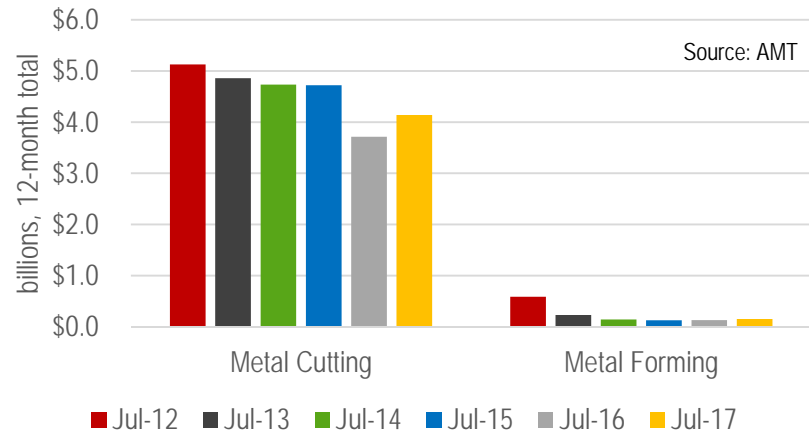


# US INDUSTRY TRENDS

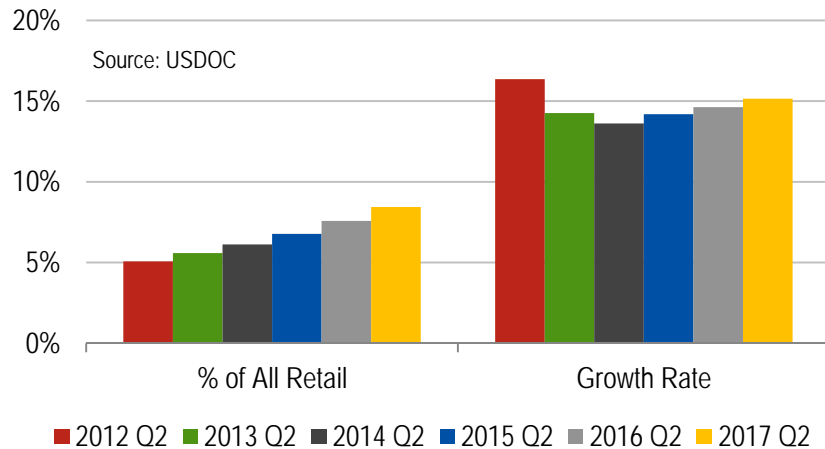
New Vehicle Sales



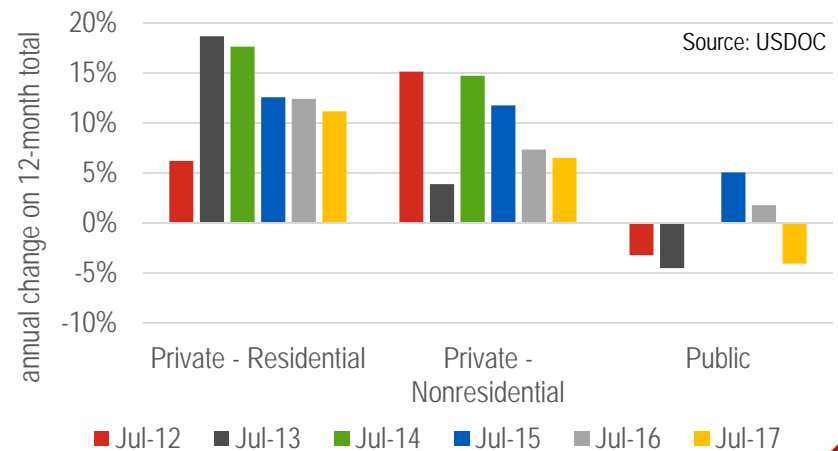
Metalworking Machinery Orders (USMTO)



E-Commerce Sales



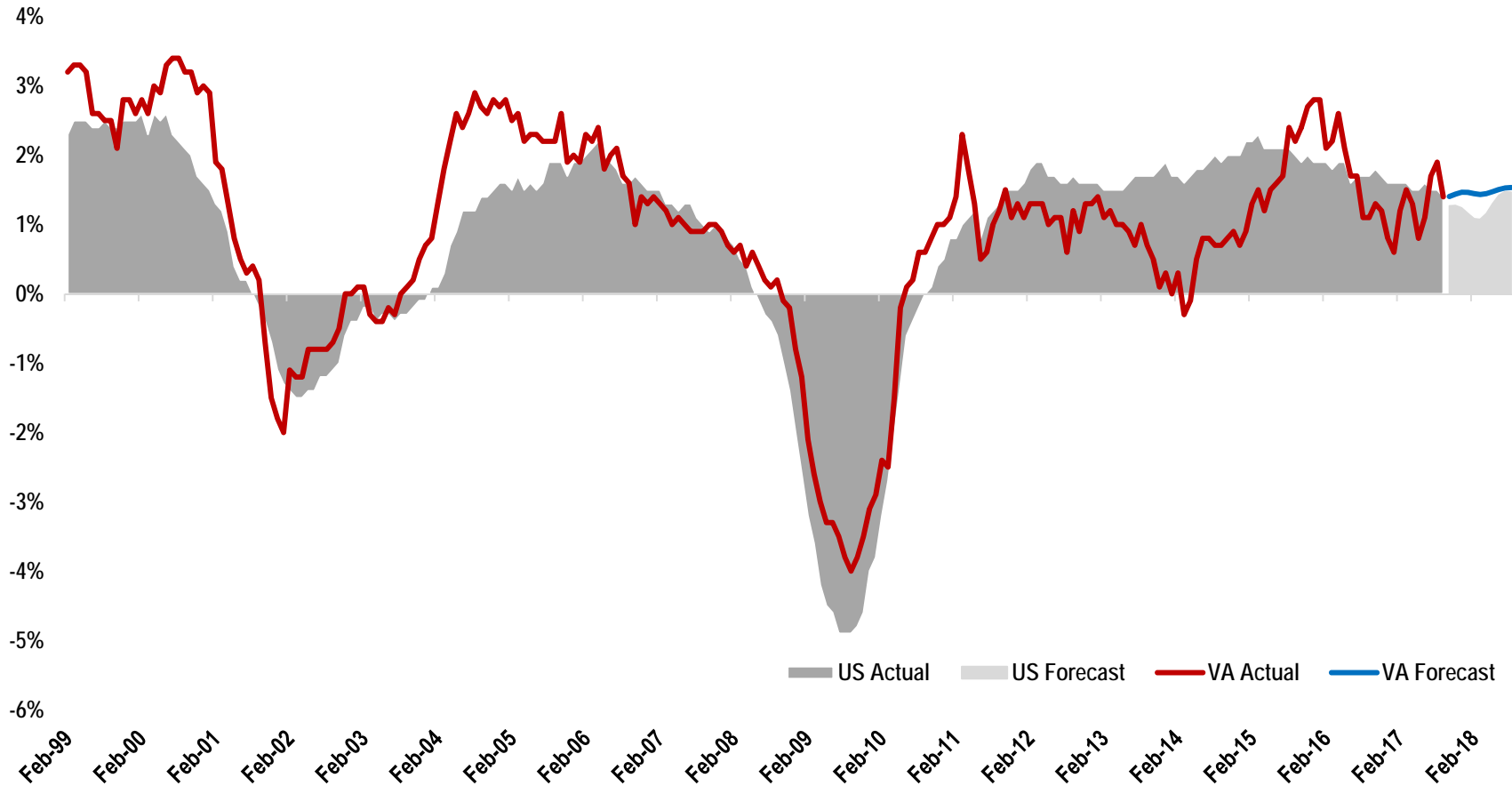
Construction Spending





# VIRGINIA EMPLOYMENT TRENDS

Nonagricultural Employment Percent Change  
Virginia and U.S.

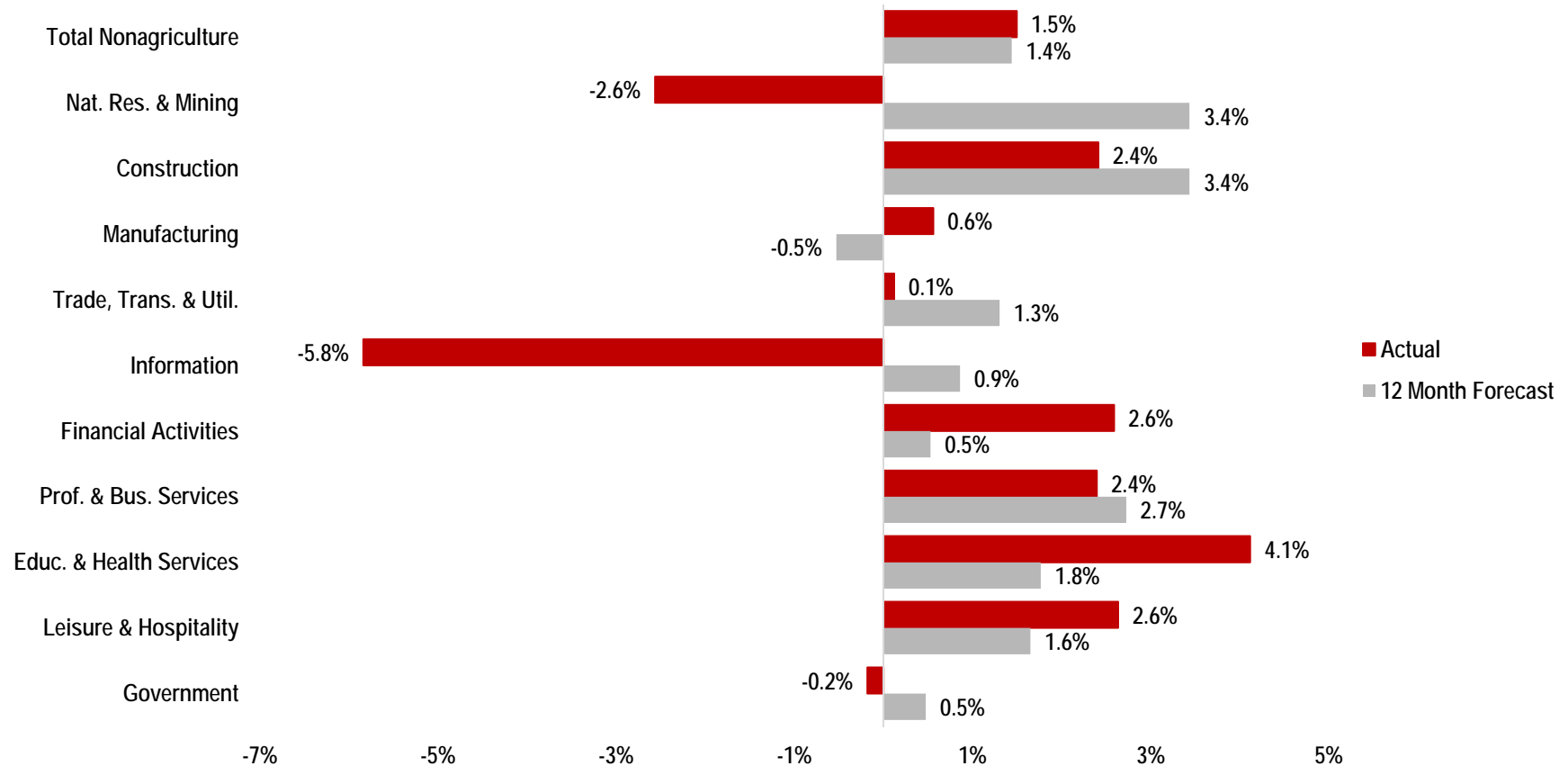


Monthly data, year-over-year change  
Sources: Bureau of Labor Statistics (CES), QCEW, Moody's Analytics

Actual data are through August 2017, and the forecast data are through October 2018.

# VIRGINIA EMPLOYMENT TRENDS

Virginia Employment By Major Sector  
Percent Change

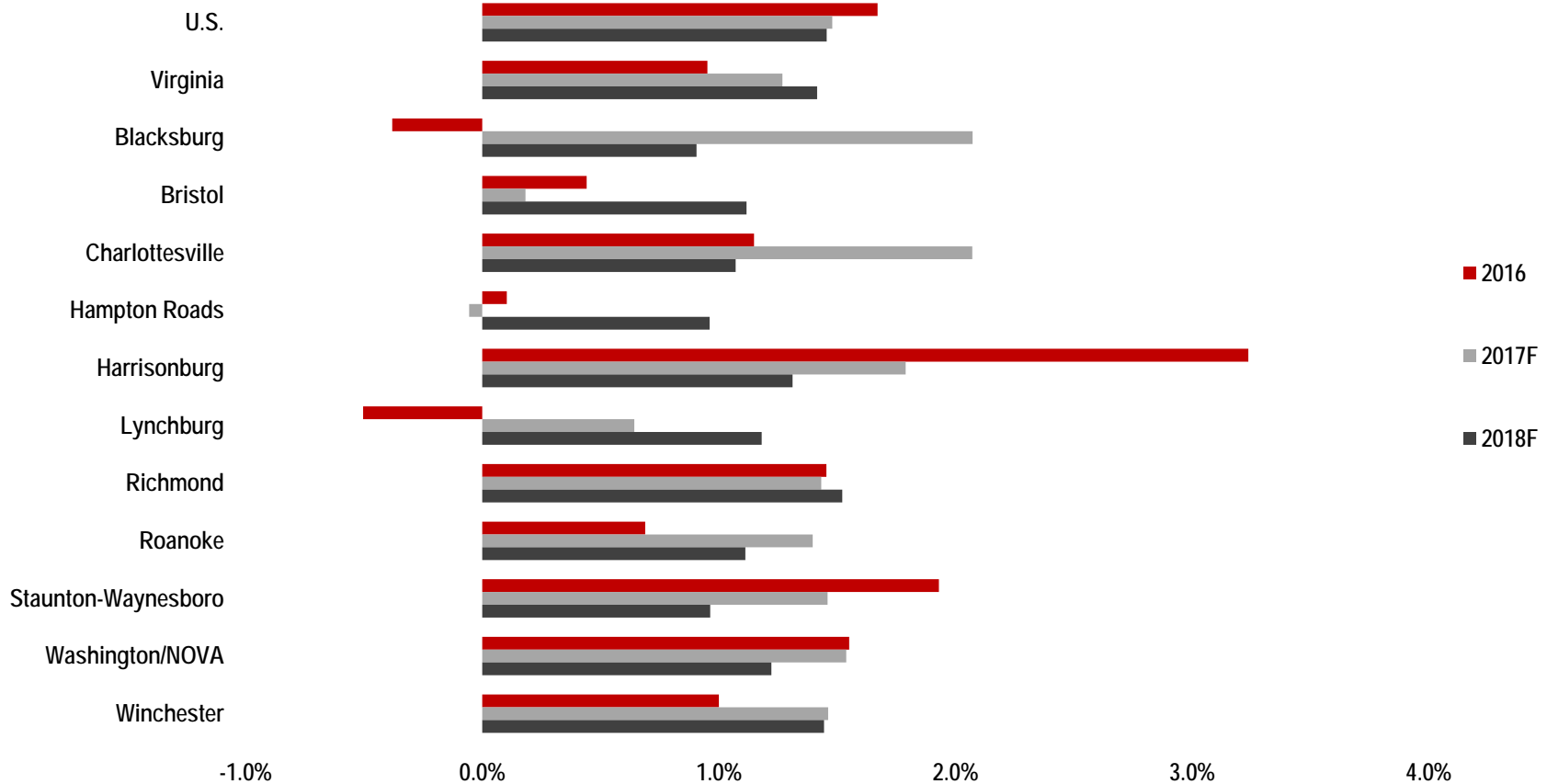


Percent change from previous year  
Sources: Bureau of Labor Statistics (CES), Moody's Analytics

Actual data through August 2017, forecast data through August 2018.

# VIRGINIA EMPLOYMENT TRENDS

Employment Growth  
By MSA

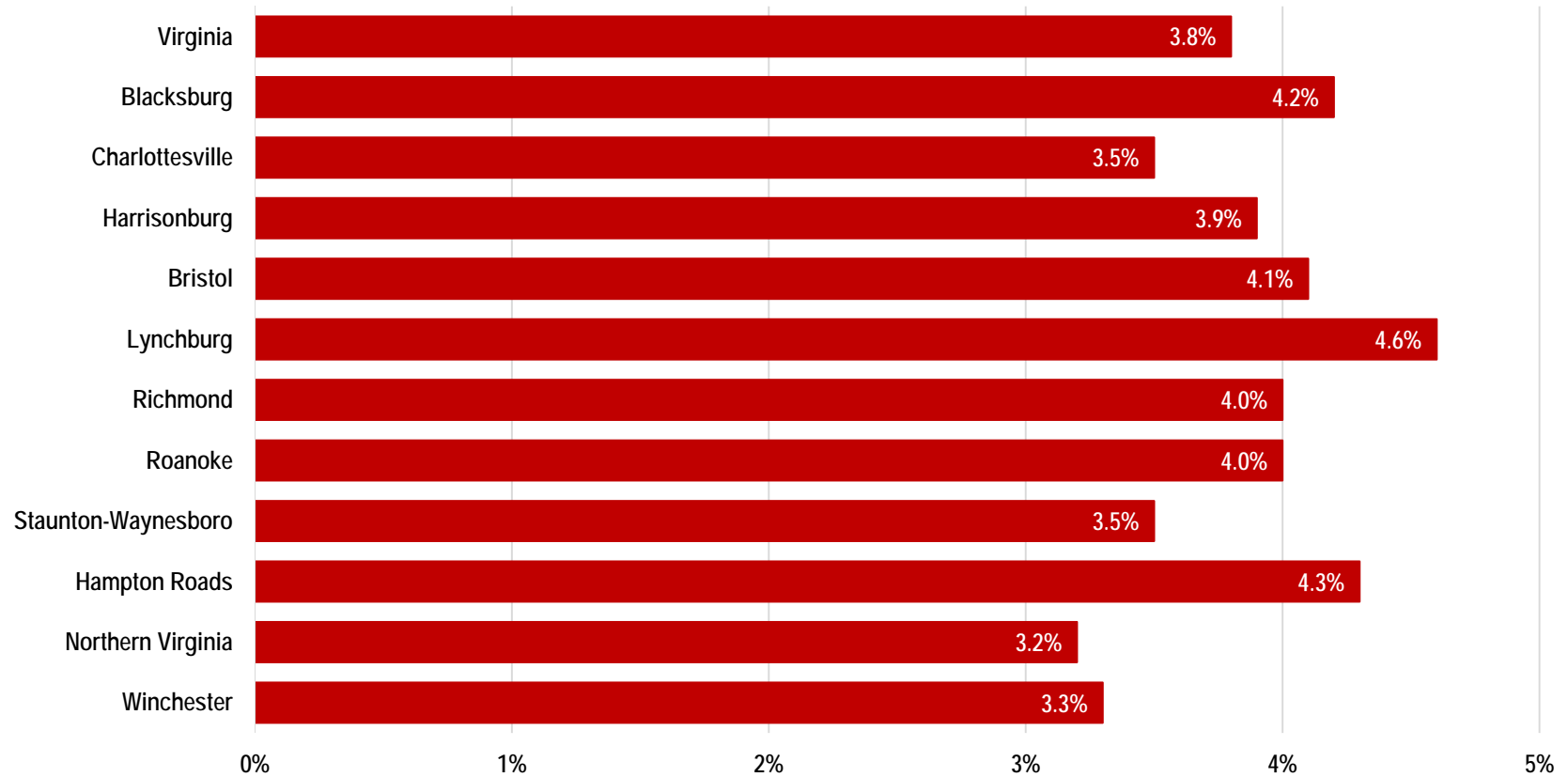


Percentage change from previous year  
Sources: Bureau of Labor Statistics (CES), Moody's Analytics

Data for 2017 are based on both current actual data and forecast data through year-end, while data for 2018 are forecasted values.

# VIRGINIA EMPLOYMENT TRENDS

Unemployment Rate  
Virginia and Virginia MSAs



Sources: Bureau of Labor Statistics (LAUS), non-seasonally adjusted

August 2017 data

# VIRGINIA EXPORT TRENDS

## Virginia Merchandise Exports by Commodity: January - June 2017 (YTD)

HS Rank	Code	Description	Export Value	%Δ 17/16	Top 3 Export Destinations
-	Total	<b>All Virginia Exports</b>	\$ 8,104,735,731	-2.2%	Canada, China, Mexico
1	84	Industrial Machinery	\$ 1,075,151,120	-8.4%	Canada, Germany, Mexico
2	85	Electrical Machinery	\$ 845,053,629	-12.2%	Taiwan, Singapore, Canada
3	39	Plastics	\$ 639,375,301	11.9%	Canada, UK, Belgium
4	27	Mineral Fuels And Oils	\$ 488,956,311	53.8%	Croatia, Turkey, Belgium
5	87	Vehicles, Other Than Railway	\$ 471,074,476	-20.2%	Canada, Mexico, Australia
6	48	Paper And Paperboard	\$ 390,607,373	13.7%	Canada, China, Mexico
7	88	Aircraft And Spacecraft	\$ 377,350,897	19.2%	UK, Germany, Singapore
8	90	Medical Or Surgical Instruments	\$ 323,291,831	-6.1%	UK, Netherlands, Canada
9	12	Misc. Grains, Seeds And Fruits	\$ 280,434,980	3.2%	China, Tunisia, Taiwan
10	44	Wood And Wood Charcoal	\$ 218,150,317	3.5%	China, UK, Vietnam
11	56	Wadding, Felt And Nonwovens	\$ 158,769,917	4.3%	Belgium, Canada, China
12	02	Meats	\$ 139,023,453	-17.6%	Mexico, Hong Kong, Canada
13	30	Pharmaceutical Products	\$ 134,399,765	-18.3%	China, Netherlands, Japan
14	55	Manmade Staple Fibers	\$ 133,738,106	-17.4%	Indonesia, Belgium, Egypt
15	54	Yarns And Woven Fabrics	\$ 129,299,370	4.0%	Belgium, China, Mexico

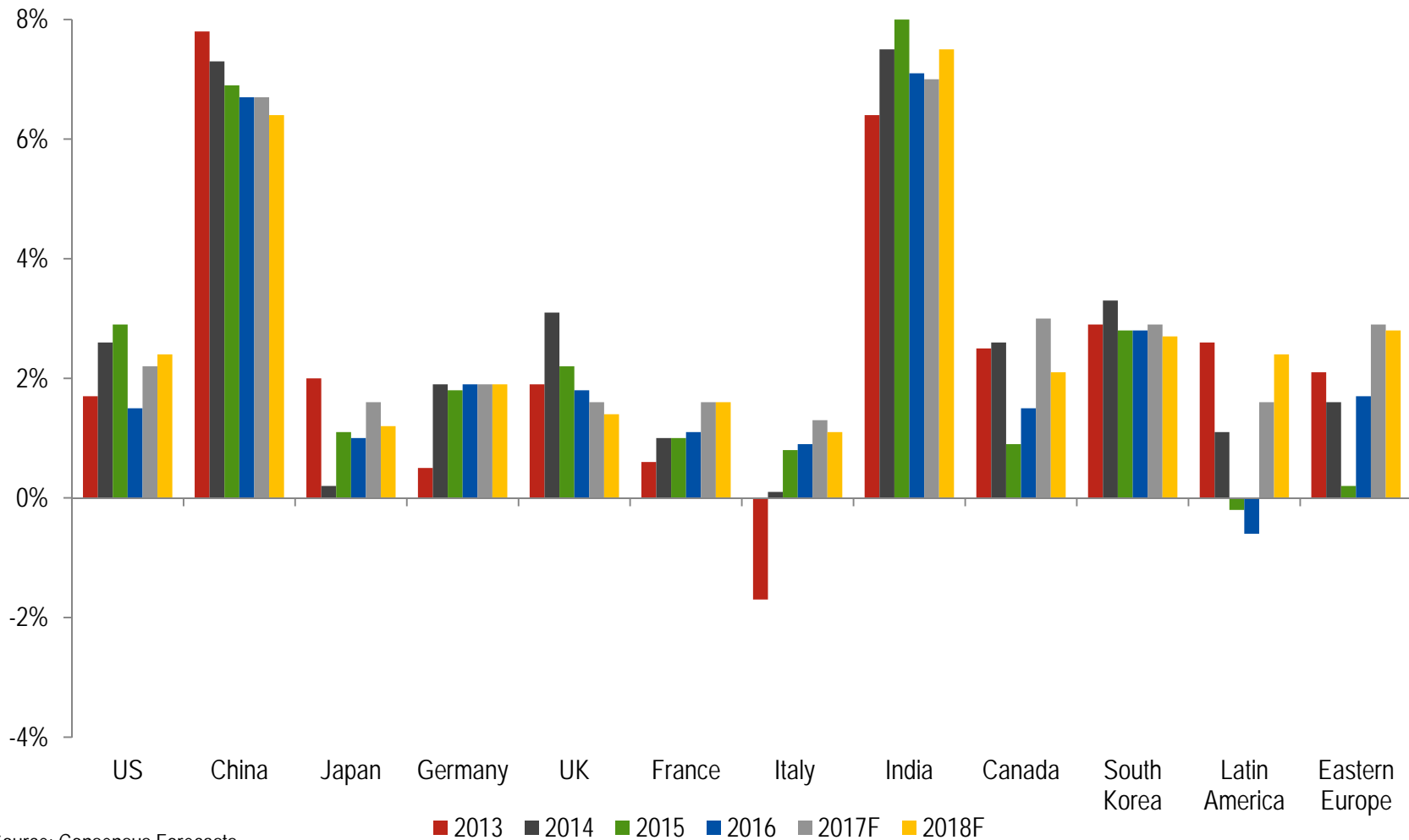
Source: Global Trade Atlas

# VIRGINIA EXPORT TRENDS

Virginia Exports by Country: January - June, 2017 (YTD)			
Rank	Country	Export Value	%Δ 17/16
-	World	\$ 8,104,735,731	-2.2%
1	Canada	\$ 1,446,962,411	-3.8%
2	China	\$ 773,207,025	10.2%
3	Mexico	\$ 531,153,162	0.8%
4	United Kingdom	\$ 475,961,105	-4.7%
5	Germany	\$ 396,642,979	-7.4%
6	Belgium	\$ 307,098,411	2.0%
7	Taiwan	\$ 283,677,900	0.9%
8	Japan	\$ 227,274,211	2.3%
9	Netherlands	\$ 227,029,443	-19.0%
10	Singapore	\$ 206,908,134	31.9%
11	Korea, South	\$ 196,311,780	-0.3%
12	Brazil	\$ 152,071,344	-2.1%
13	France	\$ 141,074,305	27.3%
14	Australia	\$ 119,197,145	2.9%
15	India	\$ 117,770,347	4.5%
16	Croatia	\$ 113,642,531	233.8%
17	Hong Kong	\$ 108,231,306	2.9%
18	Italy	\$ 105,314,760	-17.6%
19	Saudi Arabia	\$ 100,056,304	-35.7%
20	Switzerland	\$ 97,031,522	-19.2%
21	Indonesia	\$ 85,358,904	-6.3%
22	Malaysia	\$ 83,387,002	2.6%
23	Turkey	\$ 76,993,293	36.9%
24	Egypt	\$ 68,753,786	-23.9%
25	Spain	\$ 67,029,731	-13.9%

Source: Global Trade Atlas

# GLOBAL GDP OUTLOOK

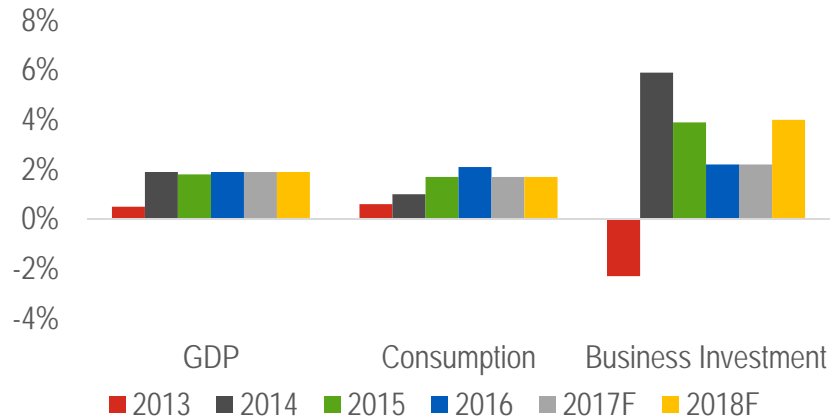


Source: Consensus Forecasts

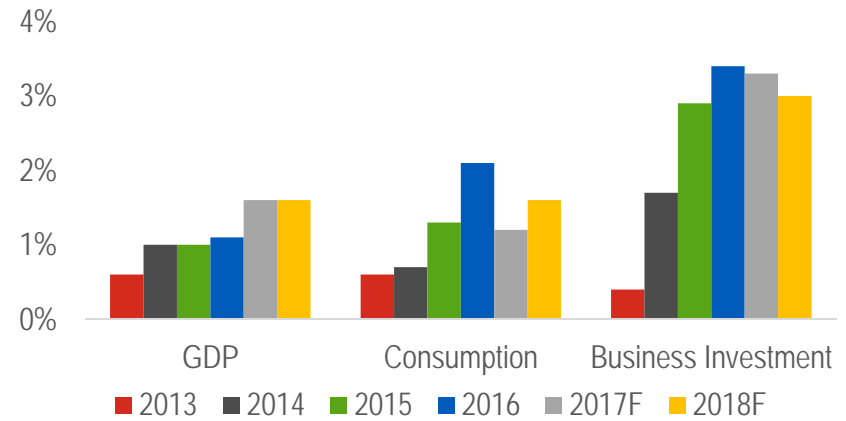
Data: September 2017

# GLOBAL ECONOMIC OUTLOOK

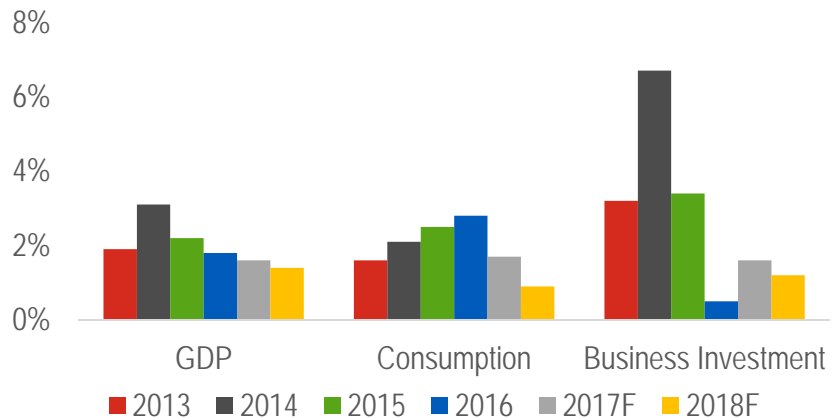
Germany



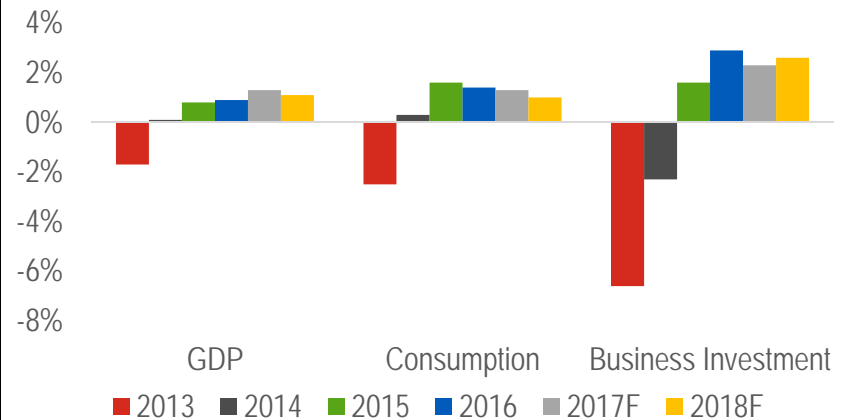
France



United Kingdom



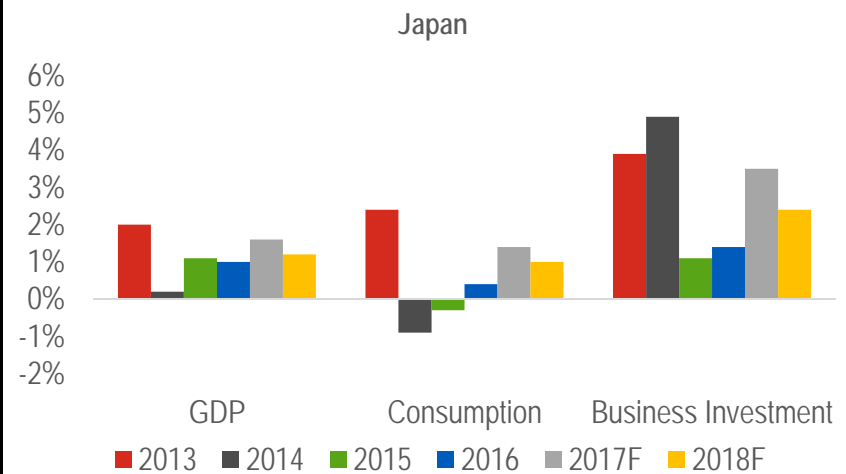
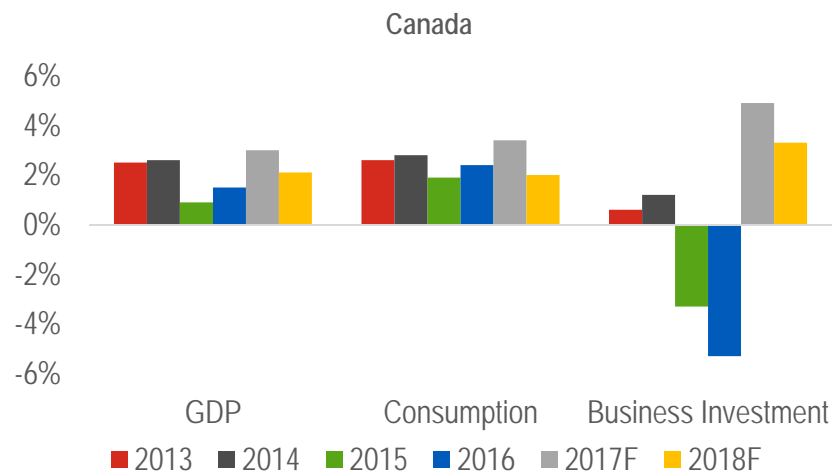
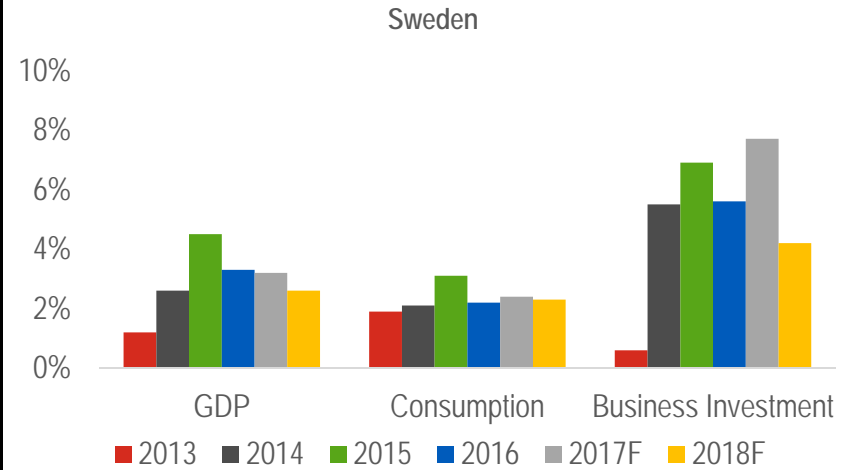
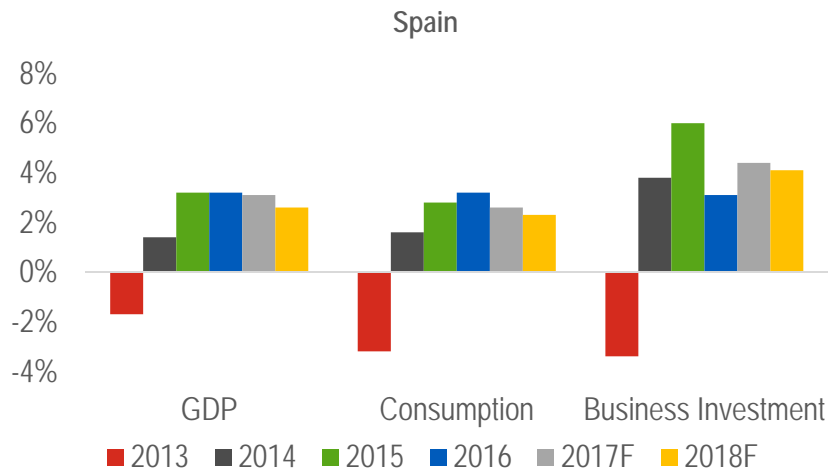
Italy



Source: Consensus Forecasts, September 2017

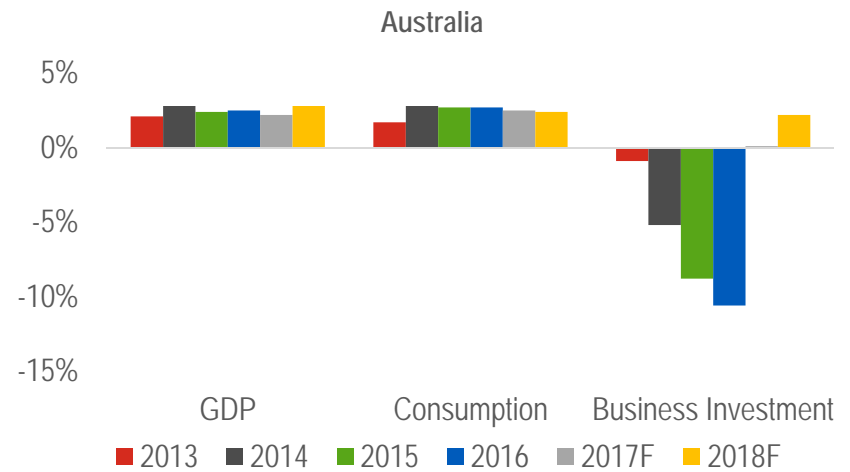
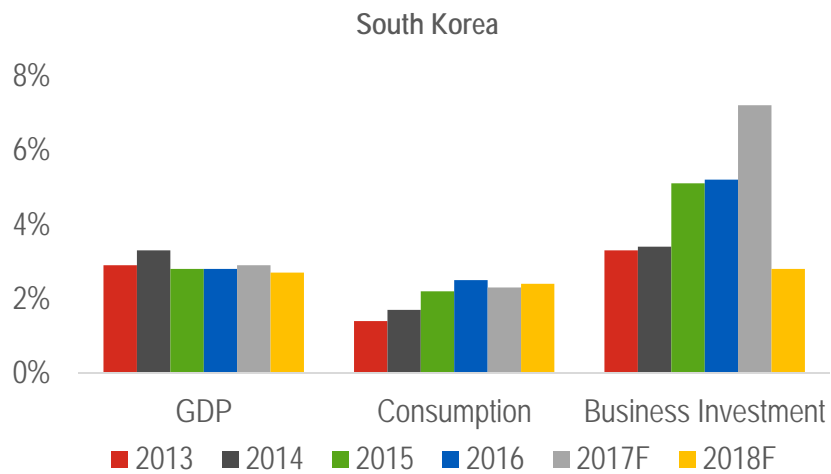
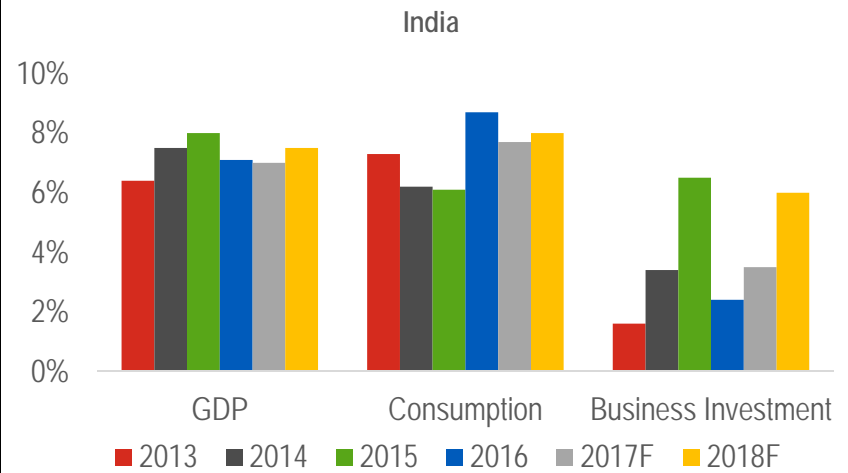
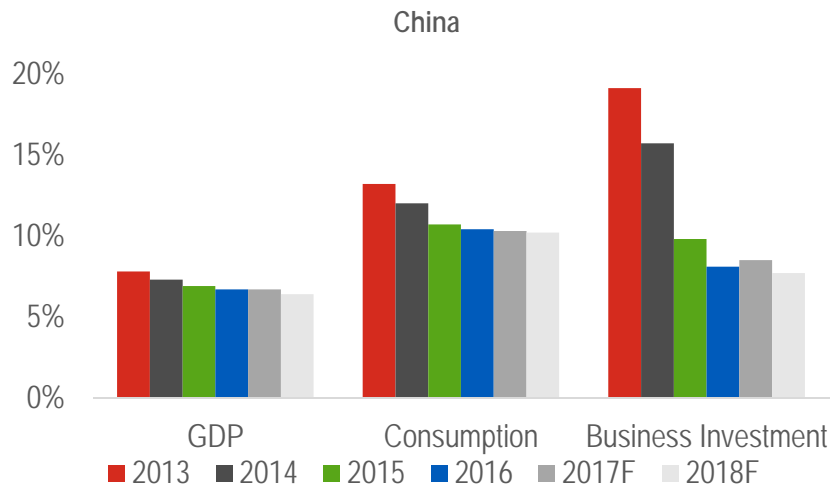


# GLOBAL ECONOMIC OUTLOOK



Source: Consensus Forecasts, September 2017

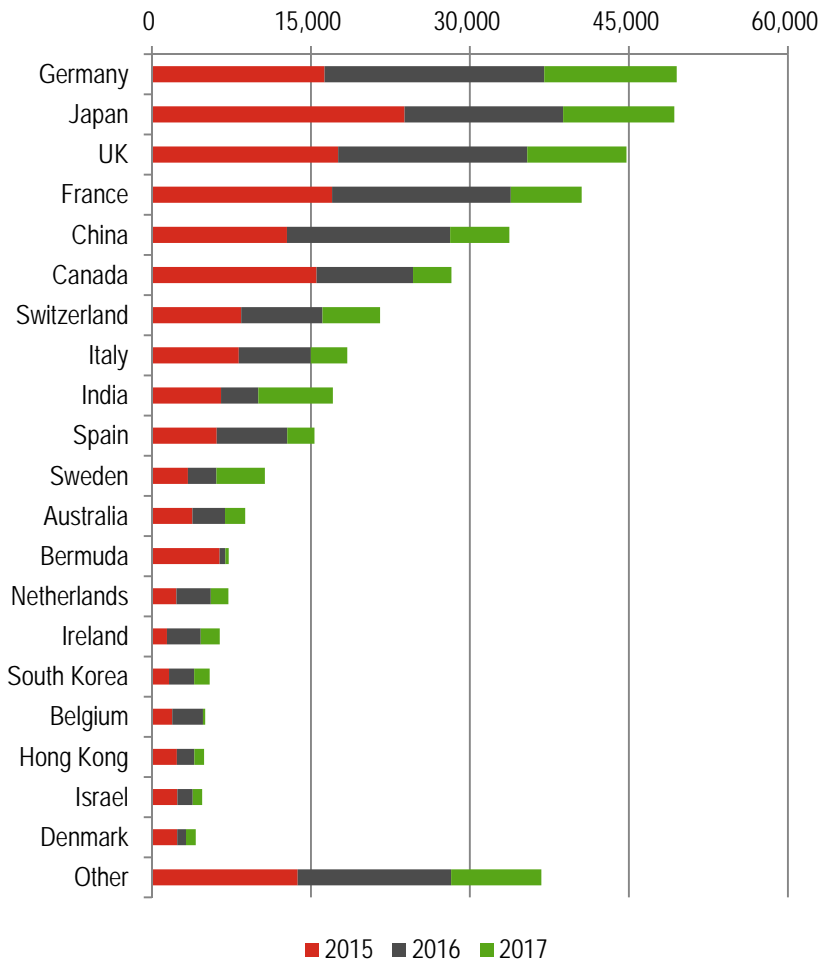
# GLOBAL ECONOMIC OUTLOOK



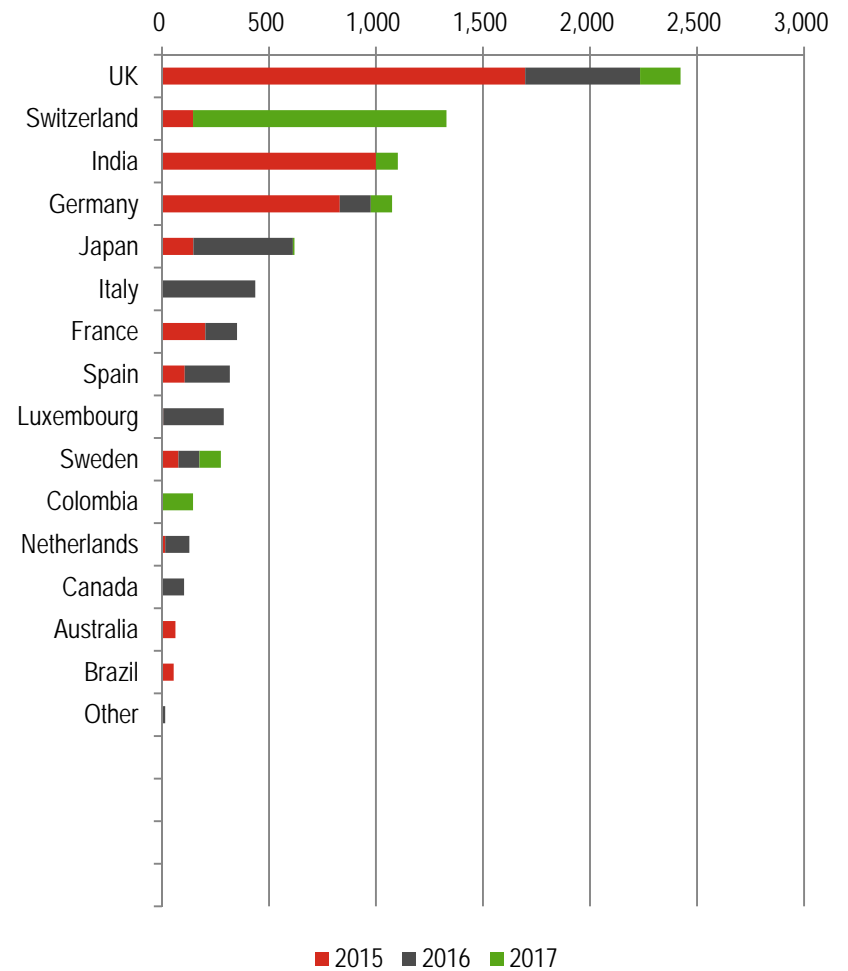
Source: Consensus Forecasts, September 2017

# FDI TRENDS BY SOURCE COUNTRY ANNOUNCED EMPLOYMENT

## United States



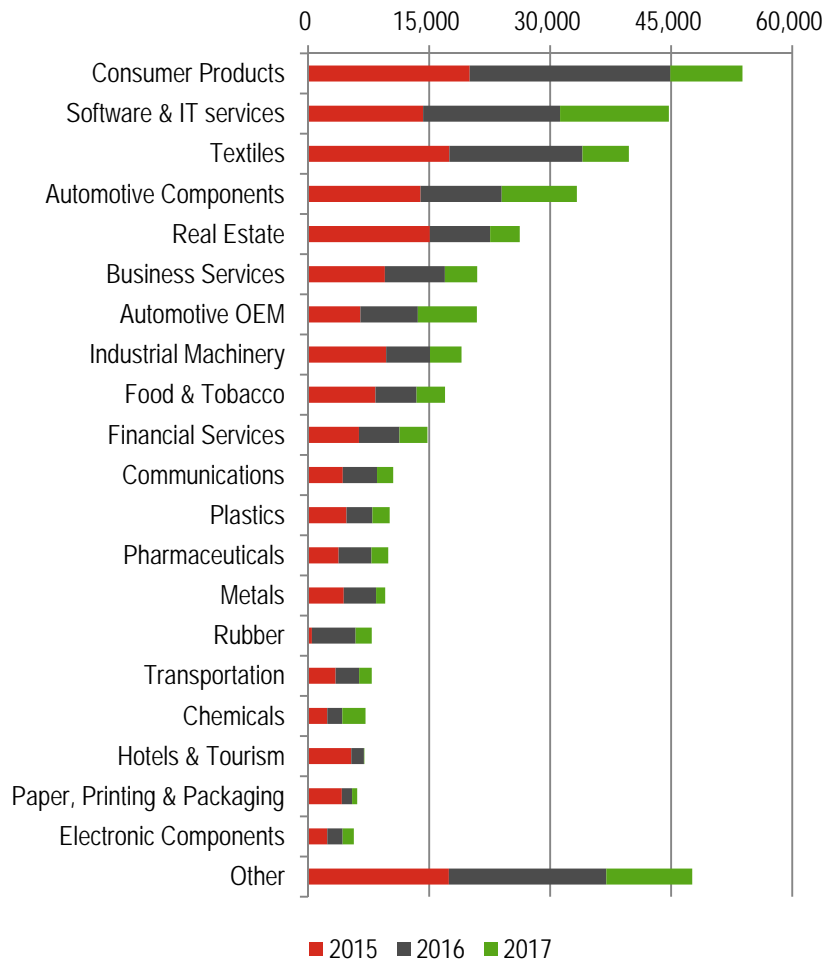
## Virginia



Source: fDi Markets; 2017 data cover January - June

# FDI TRENDS BY INDUSTRY ANNOUNCED EMPLOYMENT

## United States



## Virginia



Source: fDi Markets; 2017 data cover January - June