15

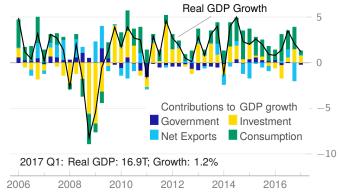
10

First quarter U.S. economic growth slowed from lower consumption spending growth, despite an improvement in exports. The unemployment rate is gradually nearing its long-run full-capacity level. Inflation is below two percent in both the core CPI and the full index, with no expected acceleration. Elevated consumer confidence and P/E ratios, with near long-term low equity market volatility, show an extraordinary level of optimism. The yield curve for government debt has flattened while the dollar remains strong.

Economic Growth and Employment

Real Gross Domestic Product (GDP)

(Quarterly percent change, seasonally-adjusted annual rate)



FRED: GDPC1; GCEC1; GPDIC1; NETEXC; PCECC96

Civilian unemployment rate (percent)



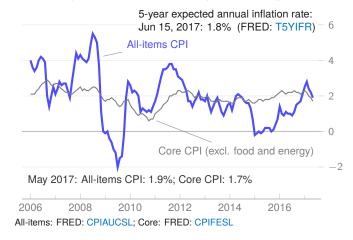
College degree May 2017: 4.3% unemployed and looking for work 0 2006 2008 2010 2012 2014 2016

FRED: UNRATE; LNS14027659; LNS14027662

FRED: CPI Indexes

Inflation and Prices

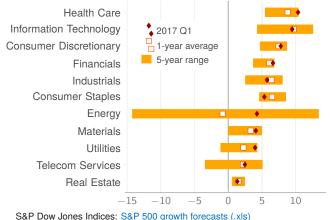
Consumer price index (CPI) (annual percent change)



CPI components (annual percent change) Energy Housing Healthcare Other goods & serv Transportation Food & Beverage Recreation 10-year average May 2017 Apparel Apr 2017 Education & Comm. 10

Markets, Interest Rates, and Other Indicators

S&P 500 Reported Earnings per Share by Industry



Recent market developments and other key indicators

		one month	one year	as of:
S&P 500 index	2433.15	▲ 2.9%	▲ 17.5%	2017-06-16
CBOE volatility index (VIX)	10.38	▼ -29.2%	▼ -46.4%	2017-06-16
Bank deposit interest rate	0.17%	▲ 0.01	▲ 0.05	May 2017
3-month treasury bill yield	1.03%	▲ 0.10	▲ 0.76	2017-06-16
2-year treasury bond yield	1.32%	▲ 0.05	▲ 0.58	2017-06-16
10-year treasury bond yield	2.16%	▼ -0.07	▲ 0.54	2017-06-16
30-year mortgage rate	3.91%	▼ -0.11	▲ 0.37	2017-06-15
US Dollar, broad index	122.44	▼ -1.1%	▲ 1.1%	Jun 2017
Crude oil, US\$/barrel	\$44.68	▼ -9.4%	▼ -2.8%	2017-06-16
Industrial production index	105.0	-0.0%	▲ 2.2%	May 2017
Consumer confidence index	97.1	▲ 0.1%	▲ 2.5%	May 2017

Retrieved from FRED, CBOE, Quandl, and University of Michigan

