Economic Outlook

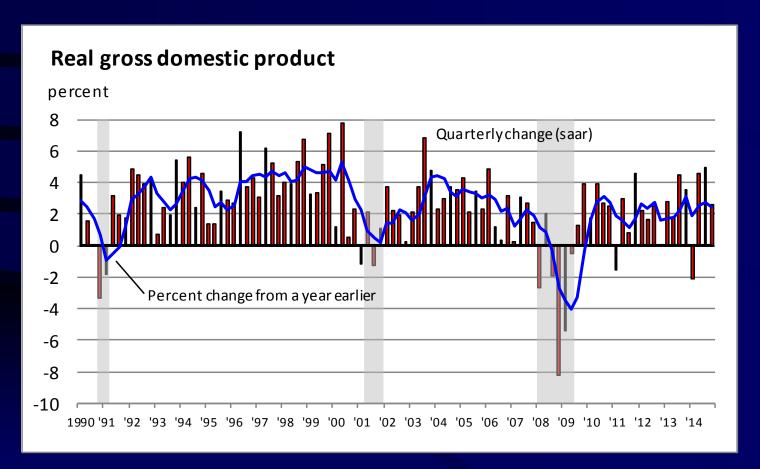
Detroit Association for Business Economics
Detroit, MI
February 19, 2015

William Strauss

Senior Economist and Economic Advisor Federal Reserve Bank of Chicago

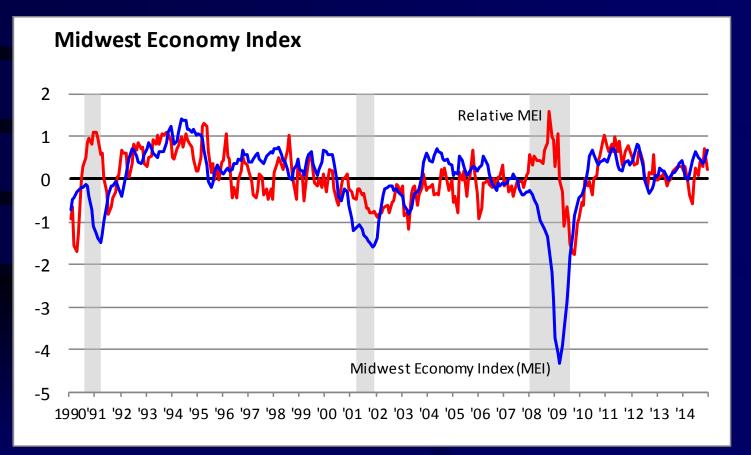


The "Great Recession" ended in June 2009 and GDP expanded by 2.5% last year



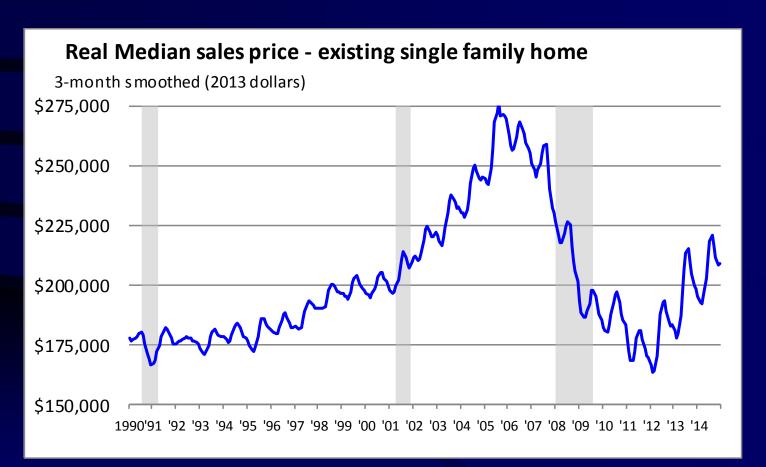


The "Midwest" economy has performed well over the past year



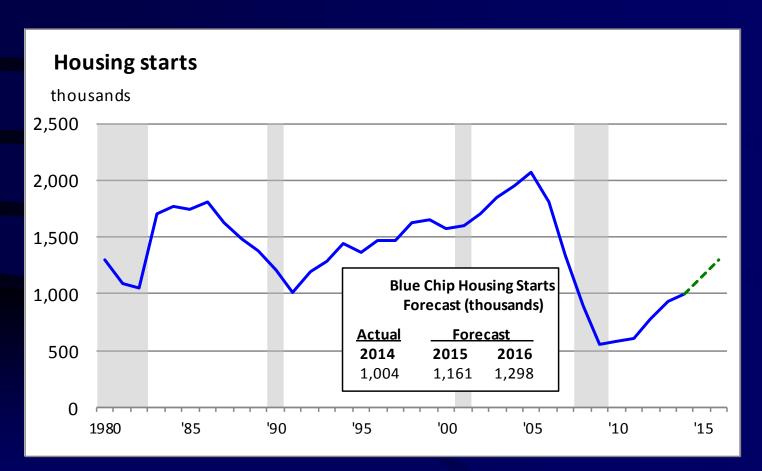


Real existing home prices fell by 40%, but have begun to rise



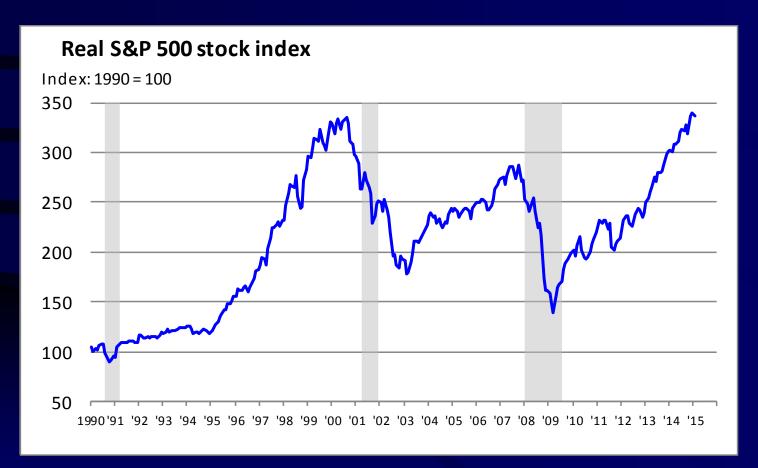


The forecast calls for a very gradual recovery in housing



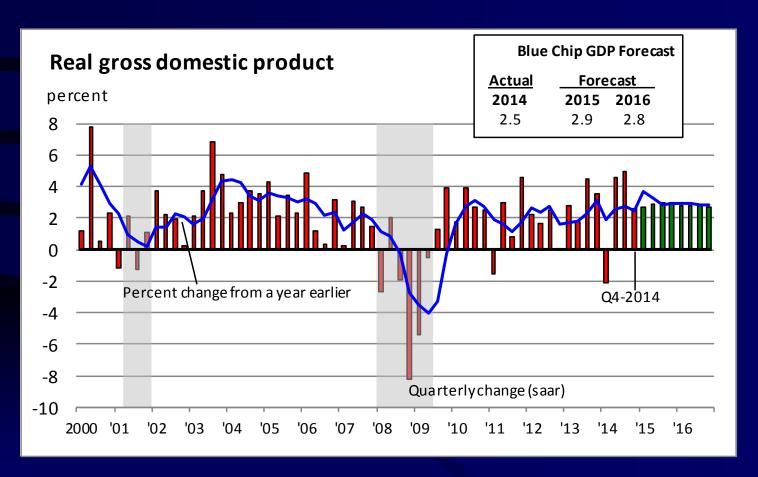


The stock market has improved since March 2009, and has surpassed its previous peak



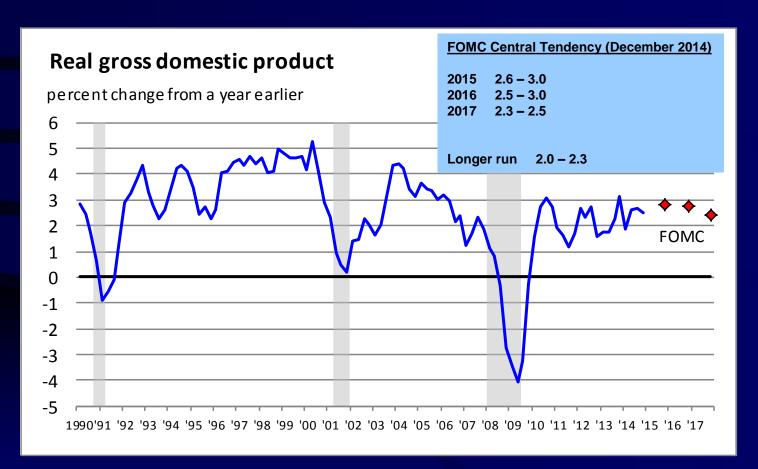


Blue-Chip is expecting GDP to grow somewhat above trend over the next two years



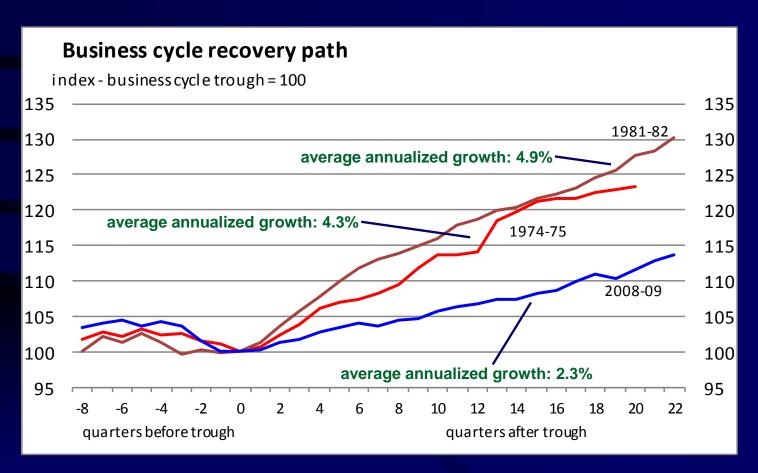


The Federal Open Market Committee (FOMC) expects GDP to grow somewhat above trend over the next three years



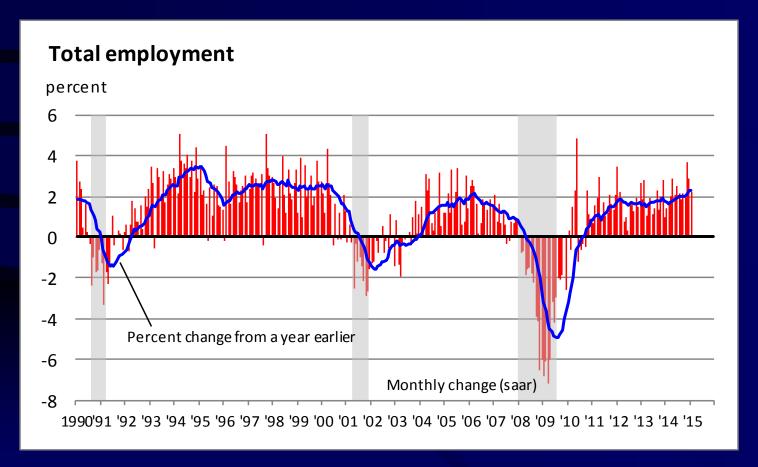


The path of the current recovery is restrained compared with past deep recession recovery cycles



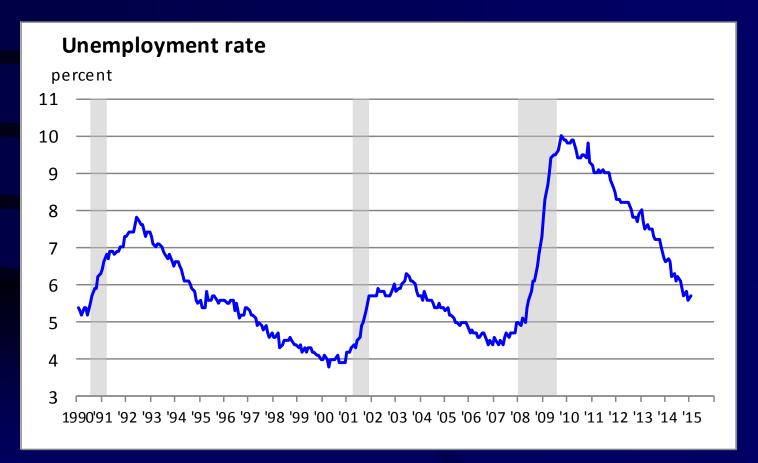


Employment grew by over 3.2 million jobs over the past 12 months



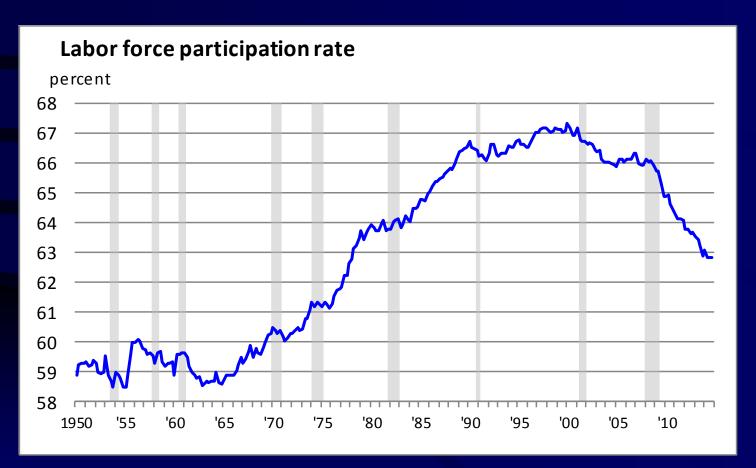


After peaking in October 2009, the unemployment rate has fallen by 4.3 percentage points





However, the labor force participation rate fell to a level last seen in 1977

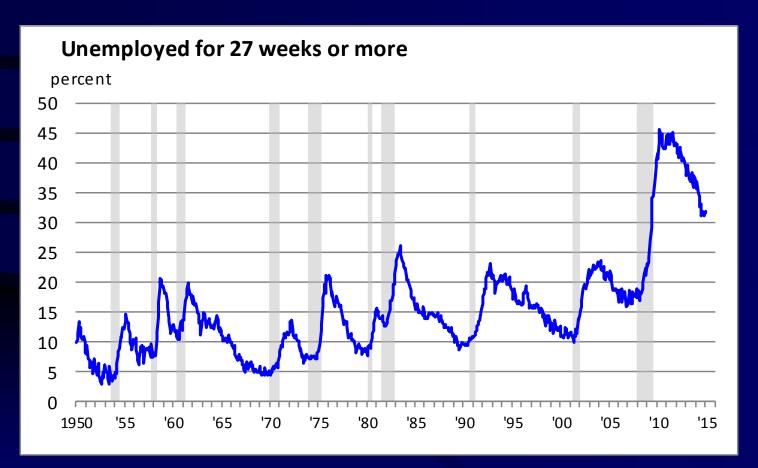




Civilian Labor Force Participation Rate and Population Share 16 and Older by Age Category, United States, 2007 and 2014

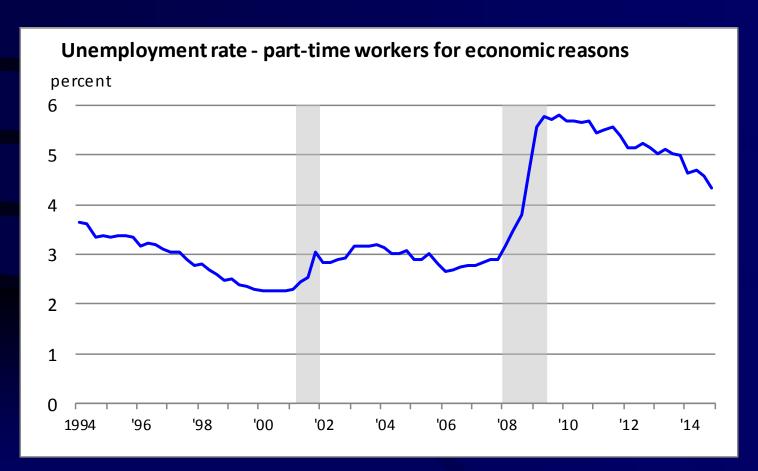
	Labor Force Participation Rate (%)				Population Share (%)			
			Change				Change	
	2014	2007	'07-'14	2	2014	2007	<u>'07-'14</u>	
Population								
16 and older	62.9	66.1	-3.2	1	0.00	100.0	0.0	
16 to 24	55.0	59.4	-4.4		15.6	16.1	-0.5	
25 to 34	81.2	83.3	-2.1		17.0	17.1	-0.2	
35 to 44	82.2	83.8	-1.6		16.0	18.3	-2.3	
45 to 54	79.6	82.0	-2.4		17.3	18.8	-1.5	
55 to 64	64.1	63.8	0.4		16.0	14.0	2.0	
65 plus	18.6	16.0	2.6		18.1	15.6	2.5	
							GERVE . A	

The share of those unemployed more than 6 months remains significantly high



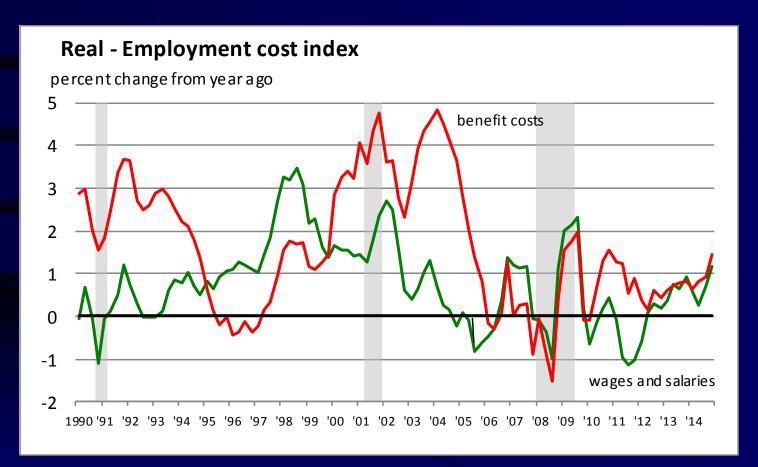


Employees working part time for economic reasons remains elevated



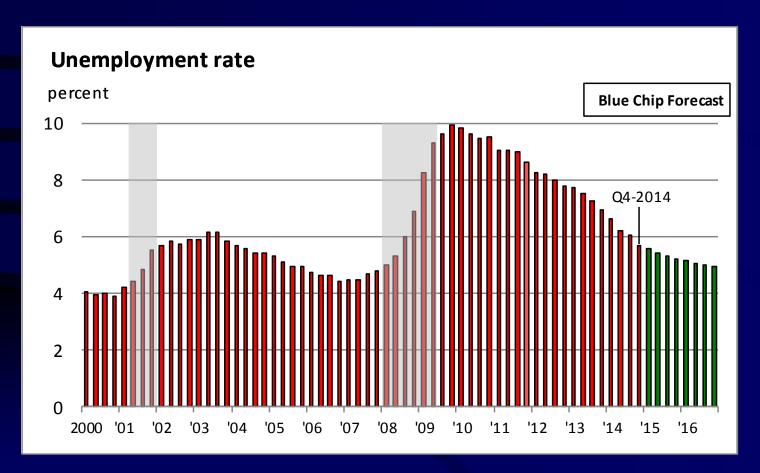


Wages and benefit costs have increased over the past year, but still remains relatively low



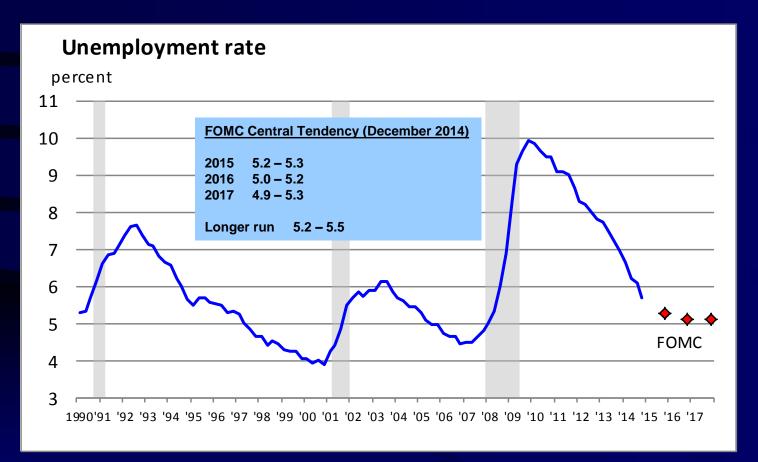


The unemployment rate is forecast to edge lower with an additional 2.7 million jobs projected for 2015



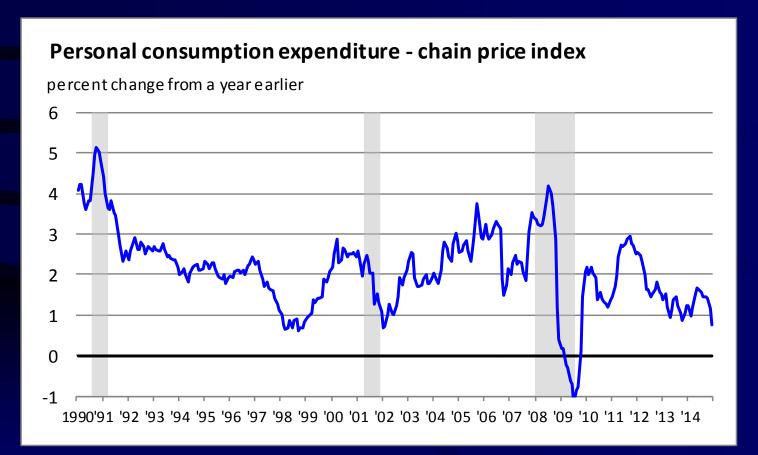


The FOMC forecasts that the unemployment rate will be at the natural rate at the end of this year



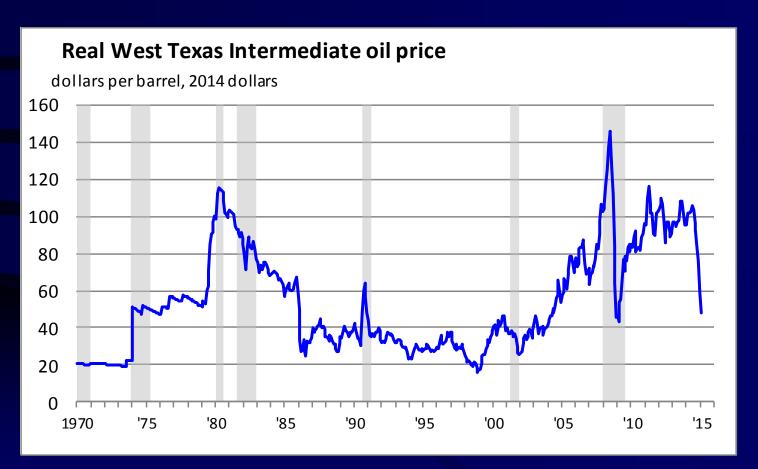


Inflation is declining



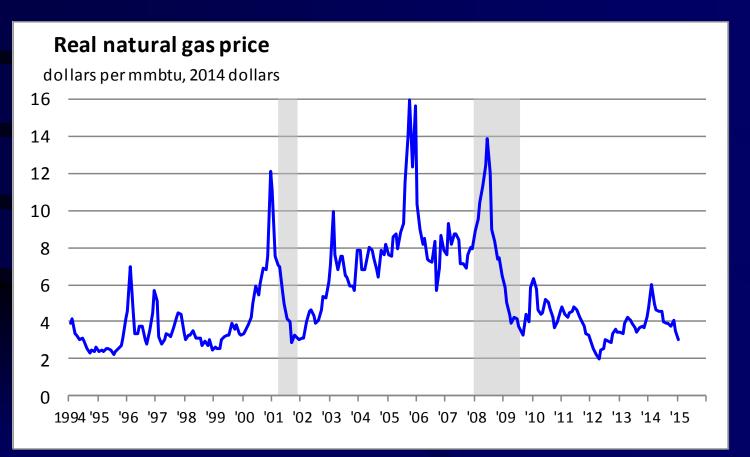


In large part due to the collapse of energy prices



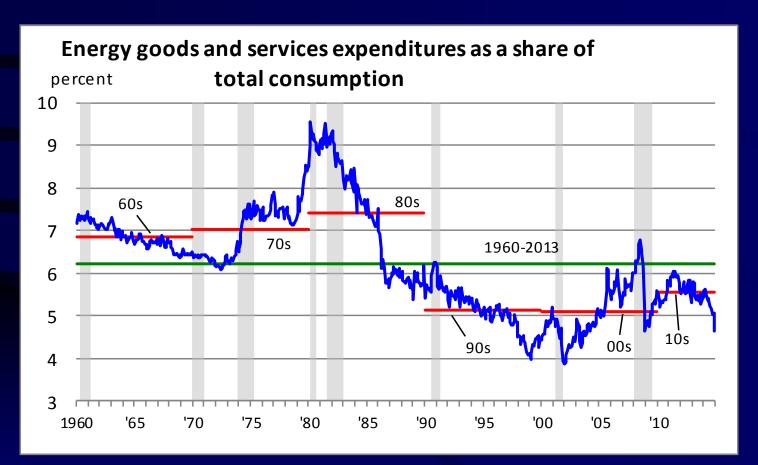


Natural gas prices have also declined and remains low



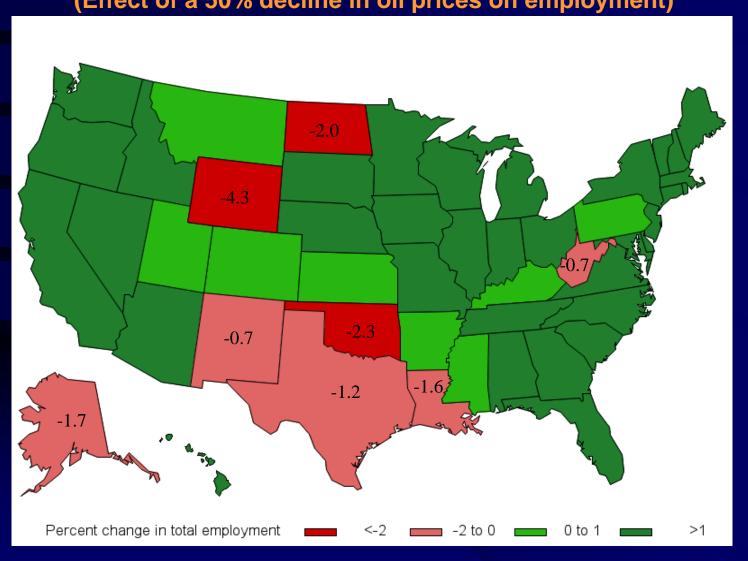


Expenditures on energy are below the historical average



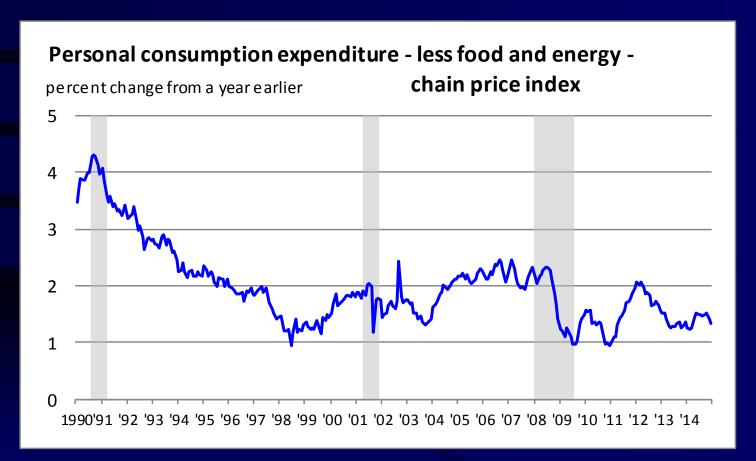


Low oil prices benefit most states (Effect of a 50% decline in oil prices on employment)



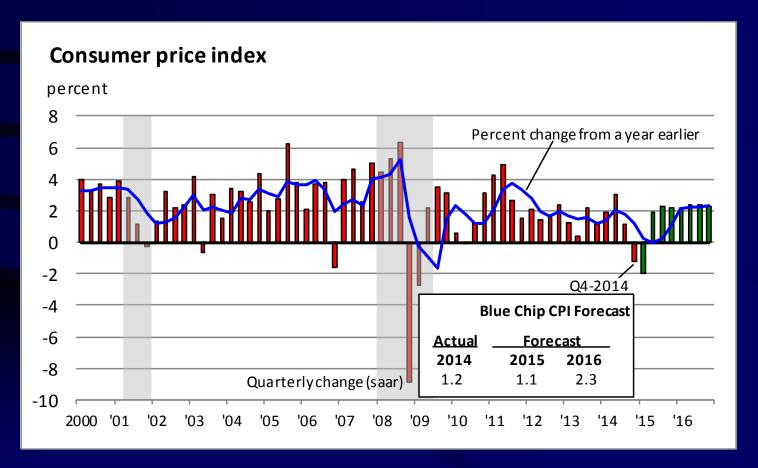


Removing the volatile food and energy components from the PCE, "core" inflation remains low



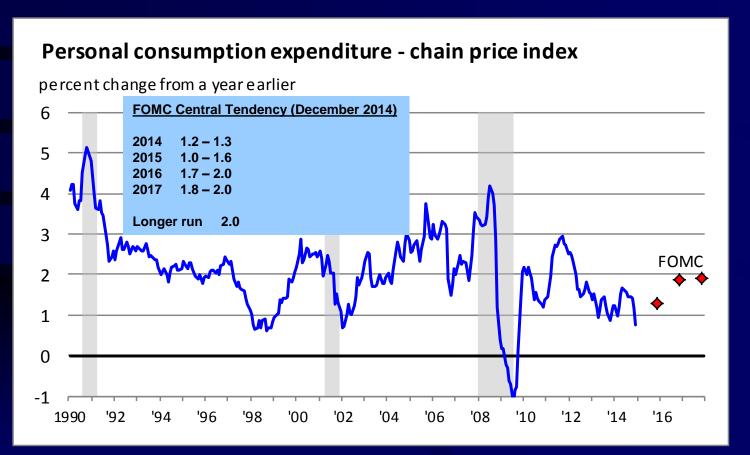


Inflation is forecast to rise 1.1 percent in 2015 and 2.3 percent in 2016



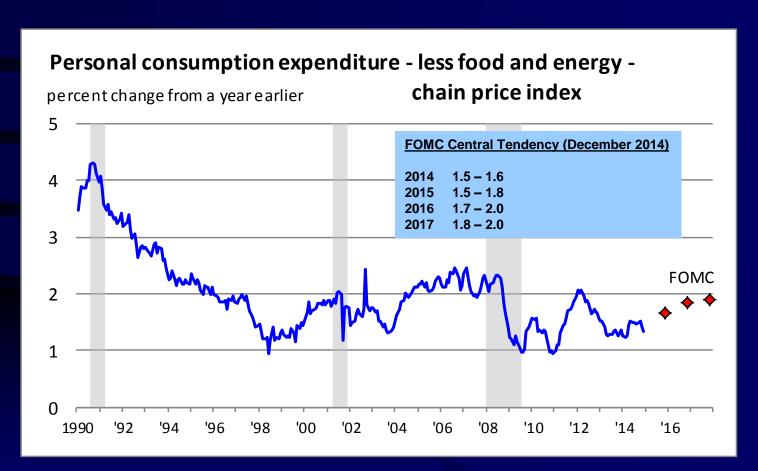


The FOMC anticipates that PCE inflation will remain below two percent through 2017





The FOMC anticipates that "core" PCE inflation will also remain below two percent through 2017





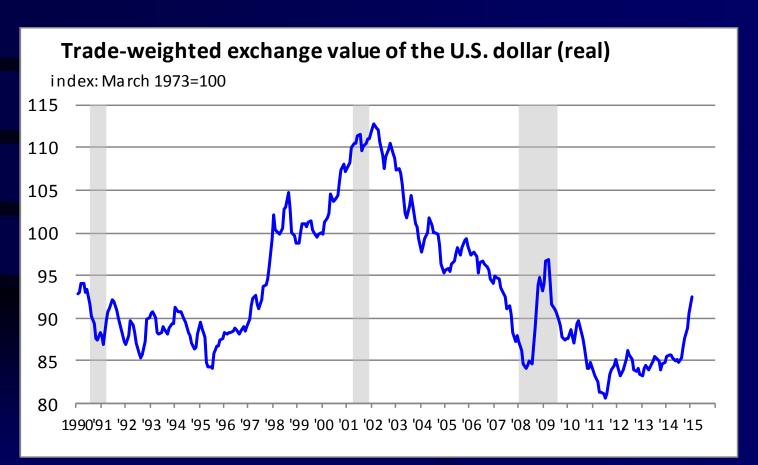
Blue Chip International Consensus Forecasts

_	Real GDP % change Annual			%	Inflation % change Annual Consumer Prices			Exchange Rate Against US Dollar End of Year		
	2014	2015	2016	2014	2015	2016	2015	2016		
United States	2.4	3.2	2.9	1.7	0.4	2.3	-	-		
Canada	2.4	2.3	2.3	2.0	1.2	2.1	1.21	1.19		
Mexico	2.3	3.3	3.8	3.9	3.6	3.6	14.03	13.75		
Japan	0.6	1.0	1.4	2.7	1.2	1.4	123.5	127.2		
South Korea	3.4	3.5	3.6	1.4	1.4	2.1	1,097	1,091		
United Kingdom	2.6	2.6	2.5	1.5	0.7	1.7	1.49	1.51		
Germany	1.5	1.4	1.8	0.9	0.5	1.4	1.11	1.07		
France	0.4	0.9	1.3	0.7	0.5	1.1	1.11	1.07		
Euro Zone	0.8	1.2	1.6	0.5	0.0	1.1	1.11	1.07		
Brazil	0.2	0.3	1.7	6.3	6.4	5.6	2.79	2.85		
Russia	0.2	-3.4	0.3	7.6	12.4	7.0	62.4	60.5		
China	7.3	6.9	6.7	2.1	1.7	2.2	6.21	6.16		
India	5.8	6.1	6.6	7.0	5.5	5.7	63.2	63.1		

Blue Chip Economic Indicators Forecast February 10, 2015

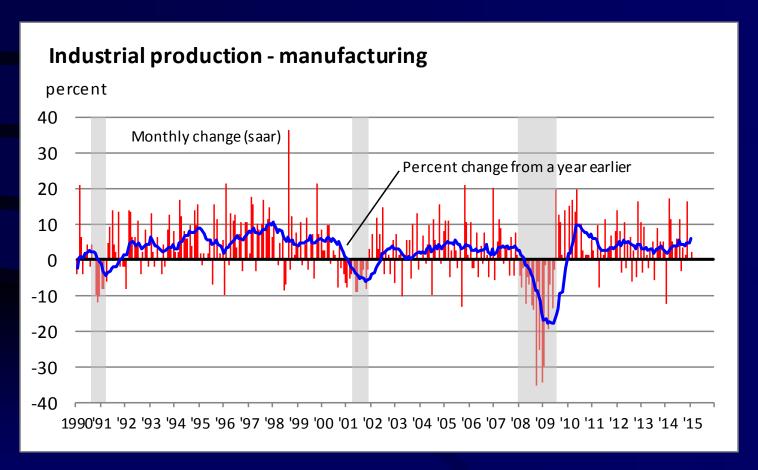


The real trade-weighted dollar has increased 8.9% over the past six months



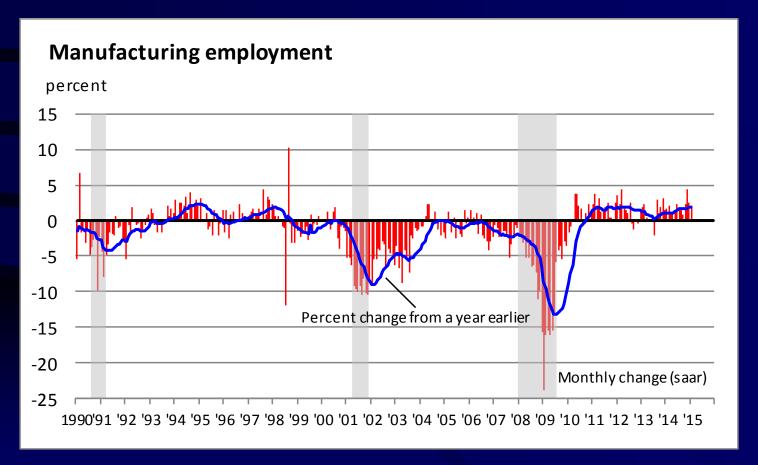


Since the beginning of the expansion manufacturing output has been increasing at a 4.8% annualized rate and has recovered 115% of the output during the recession



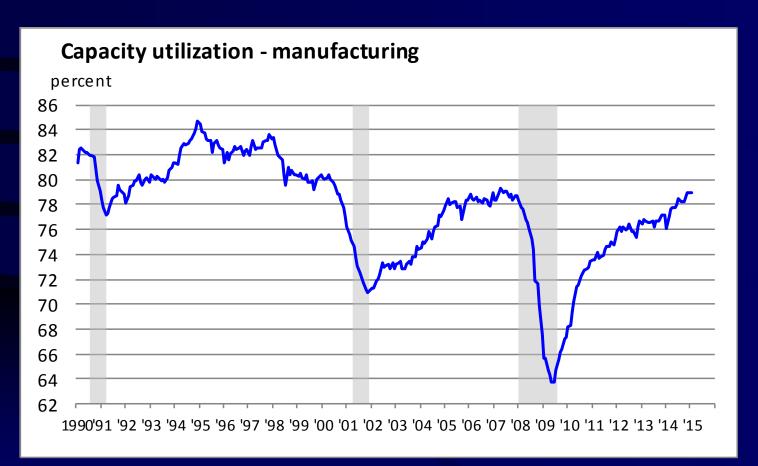


While manufacturing jobs have been rising, they have only recovered 38.2% of the jobs lost during the downturn



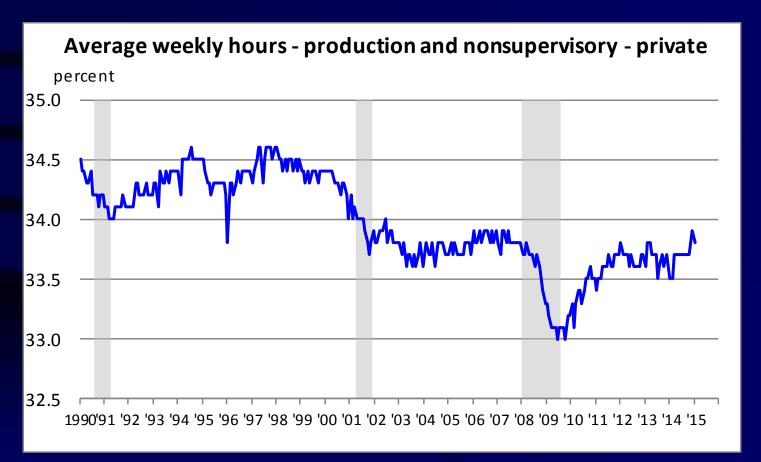


Capacity utilization is getting very close to full utilization





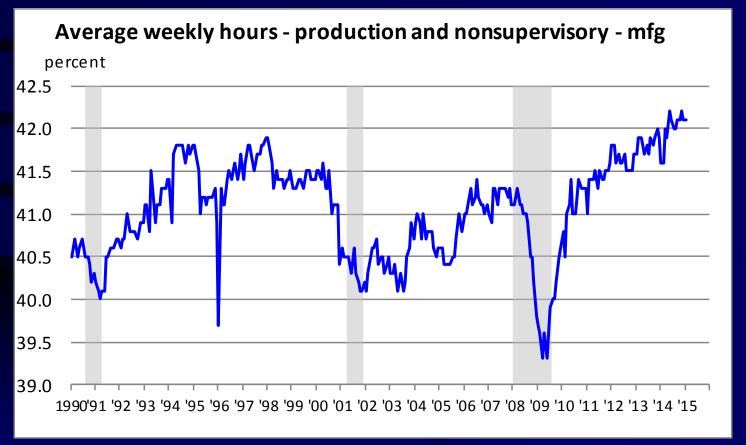
Average weekly hours for private workers has recently moved higher





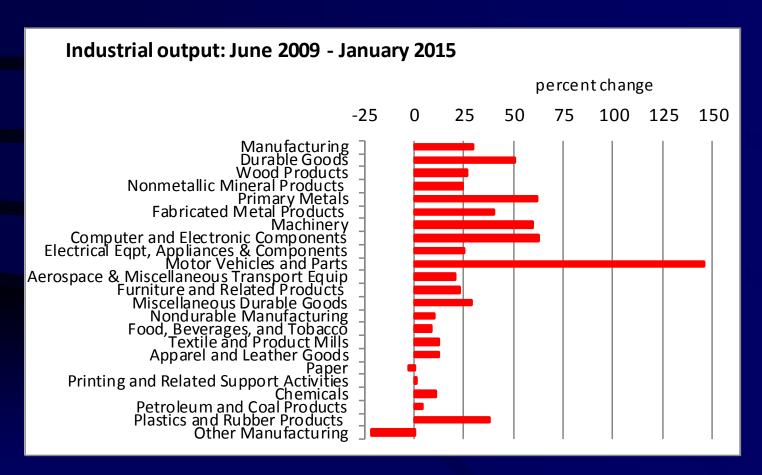
However, average weekly hours for manufacturing are at extremely high levels:

the highest working week since World War II



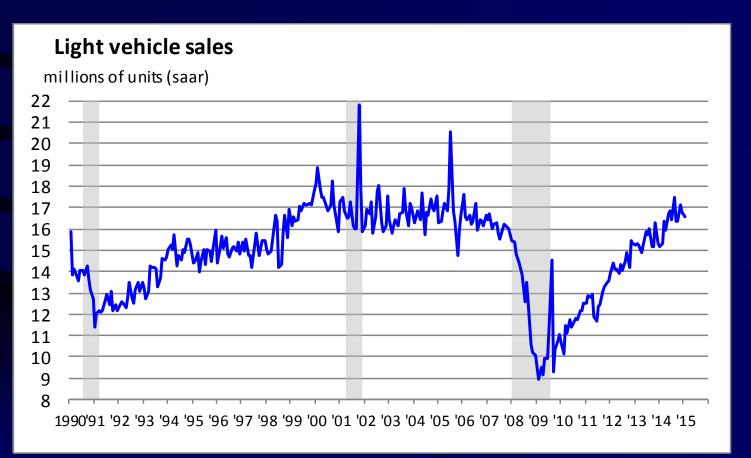


The recovery has also been broad-based with vehicle and primary metals manufacturing leading the way





Light vehicles sales have reached pre-recession levels





The New 2015 F-150



500 pounds lighter by using aluminum

EcoBoost 2.7 liter V-6

Fuel economy increases by 5-20%

Prices range from \$26K-\$60K+

Will this new design be accepted by the consumer?

"High-strength, military grade, aluminum-alloy body"



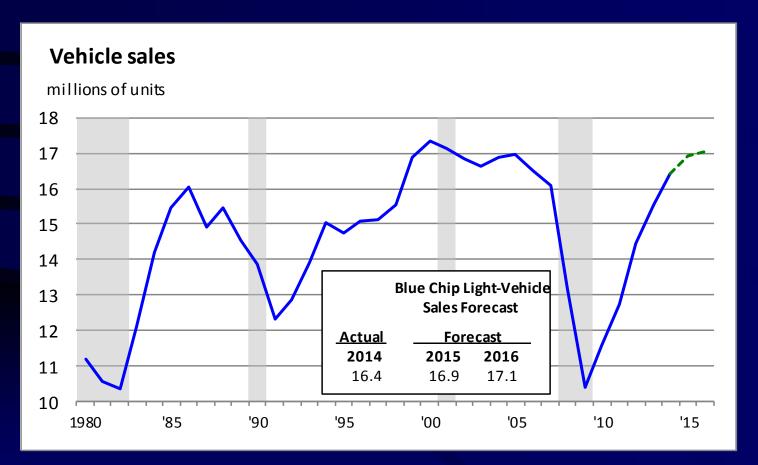
The "Old" 2015 GMC Sierra



"When redesigning the GMC Sierra, engineers relied on roll-formed steel, the same material found in the hulls of submarines. Big ones."

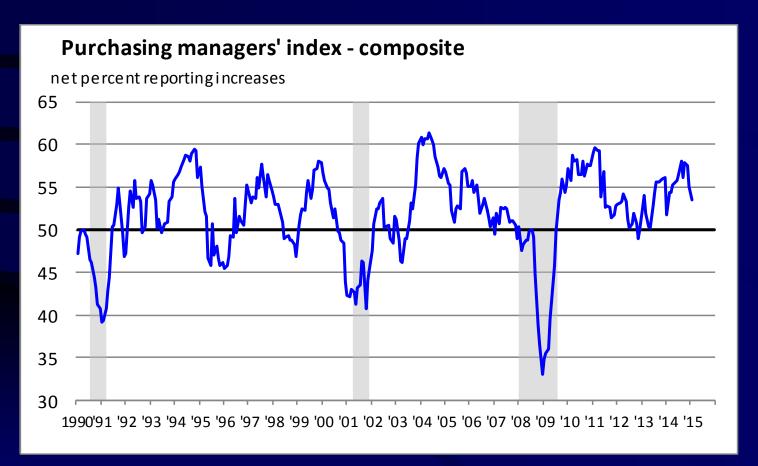


Vehicle sales are forecast to rise around 3% this year and 1% next year



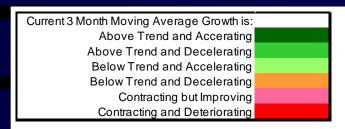


The purchasing managers' index has moderated over the past few months

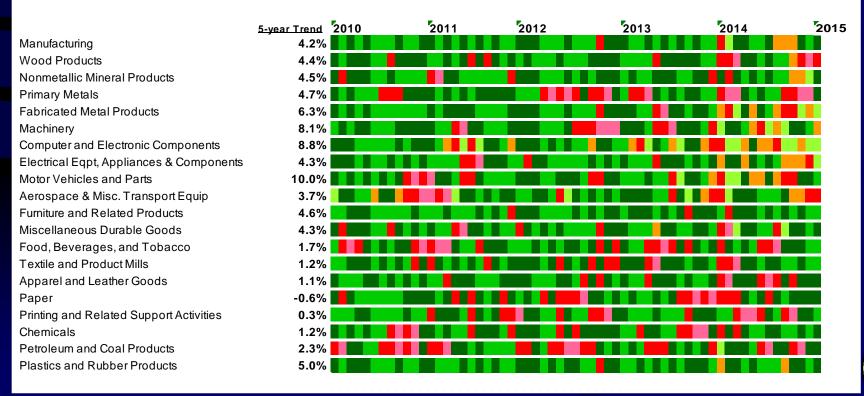




The industrial sector has performed very well over the past 5 years

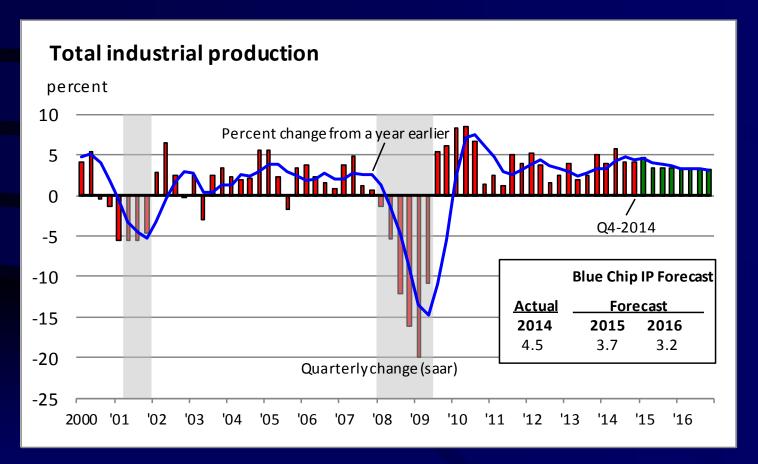


Manufacturing Industries Activity Chart
Growth (3-month moving average)
compared with the most recent 5-year trend





Industrial production is forecast to rise at a pace above trend in 2015 and 2016



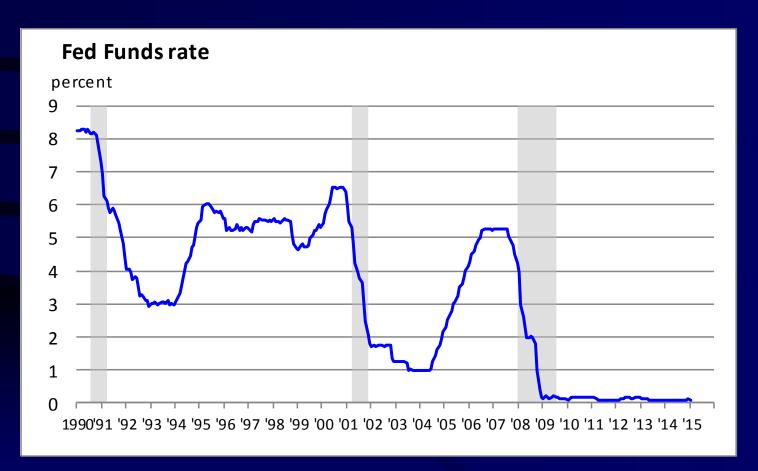


Credit spreads between Corporate High Yield securities and Corporate Aaa securities have remained low, but has been inching higher since the middle of 2014



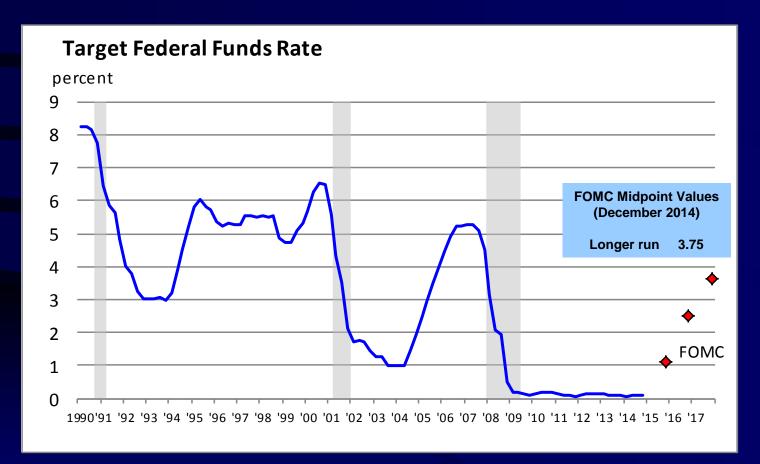


Monetary policy has been very aggressive, keeping the Fed Funds near zero since December 2008



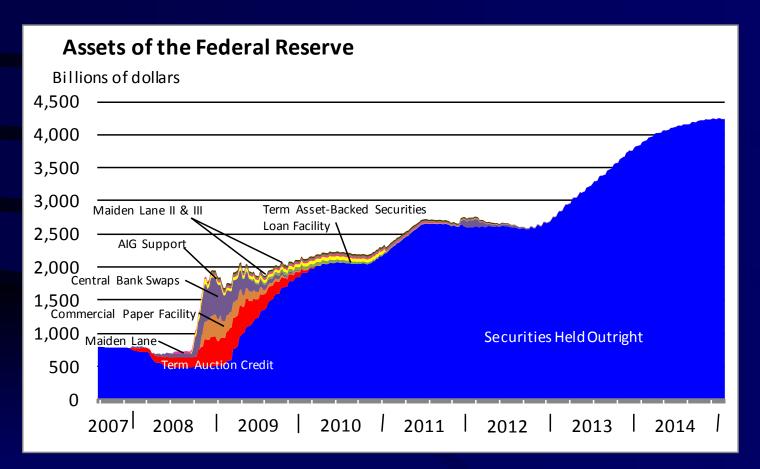


The Federal Funds Rate is anticipated to return to the neutral rate by the end of 2017



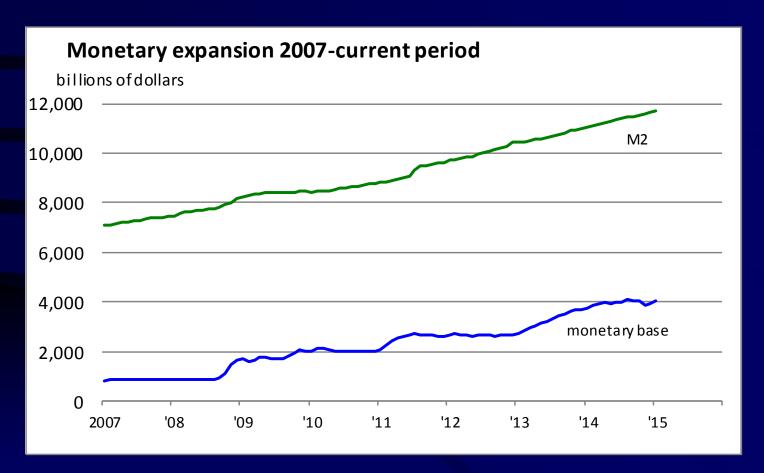


The asset side of the Fed's balance sheet has expanded in size and in composition



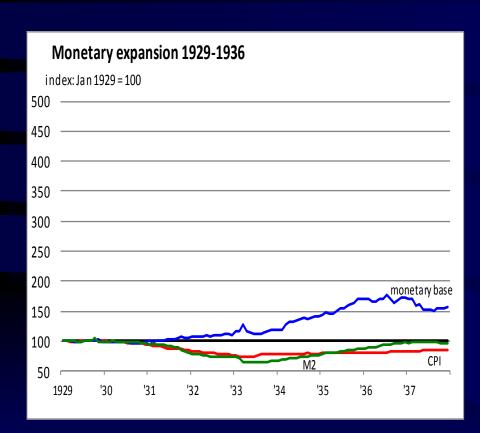


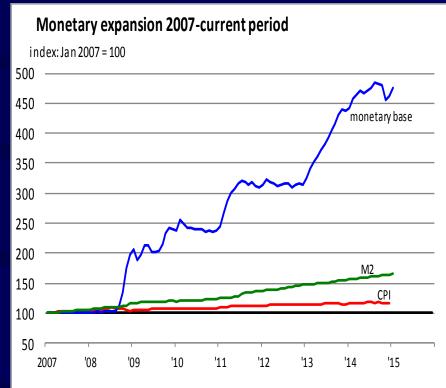
The money supply (M2) is nearly 3 times bigger than the monetary base





The Fed's expansion of the monetary base has allowed the money supply to continue rising, compared with what took place during the 1930s







Summary

- The outlook is for the U.S. economy to expand at a pace somewhat above trend in 2015 and 2016
- Employment is expected to rise moderately with the unemployment rate edging lower
- Slackness in the economy will lead to a relatively contained inflation rate
- Growth in manufacturing output should be above trend over the next two years



www.chicagofed.org www.federalreserve.gov



