

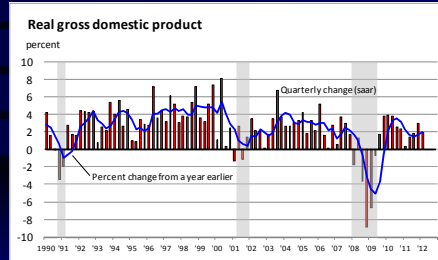
Economic Assessment

Drawing the Big Picture
Basic Macroeconomics Concepts
UIC Center for Economic Education
Chicago, IL
July 18, 2012

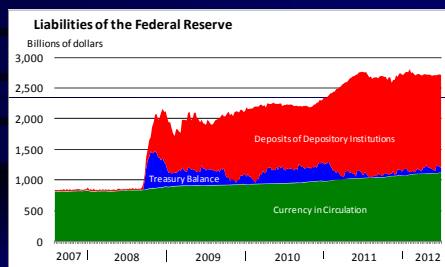
William Strauss
Senior Economist
and Economic Advisor
Federal Reserve Bank of Chicago



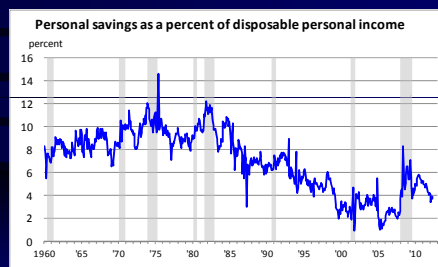
The "Great Recession" ended in June 2009,
but the economy expanded by 2.0% over the past year



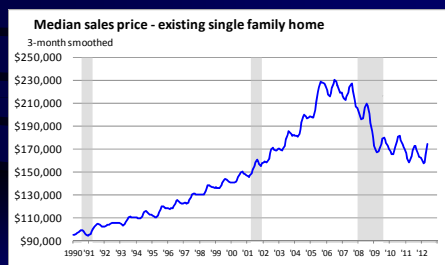
The liabilities side of the Fed's balance sheet
shows large amount of excess reserves



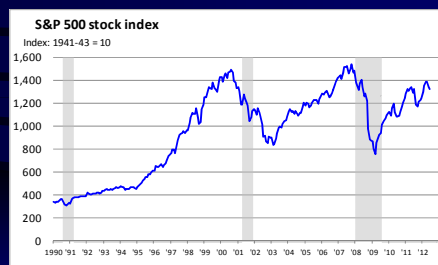
The personal savings rate has moved lower



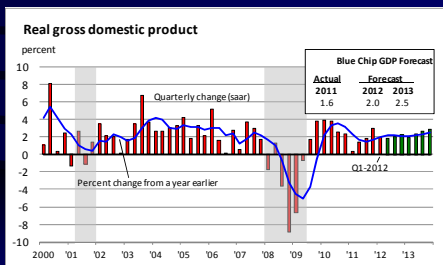
Existing home prices fell by over 30%



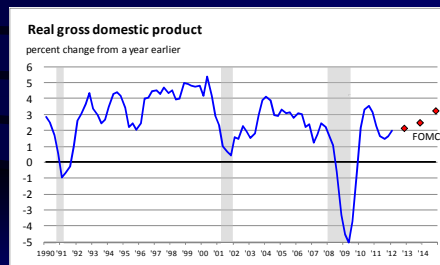
The stock market has improved since March 2009,
but remains below previous levels



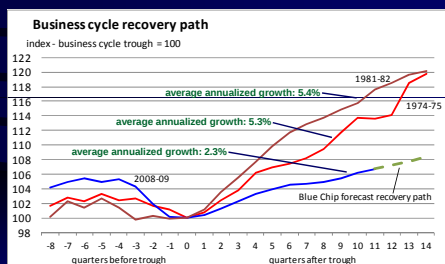
**GDP is forecast to grow near trend in 2012
and slightly above trend in 2013**



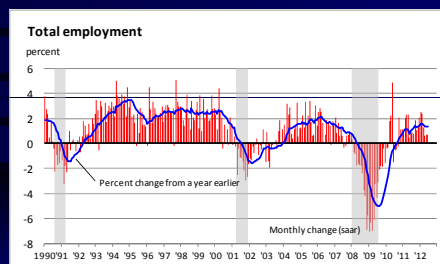
The Fed expects GDP to growth to remained moderate



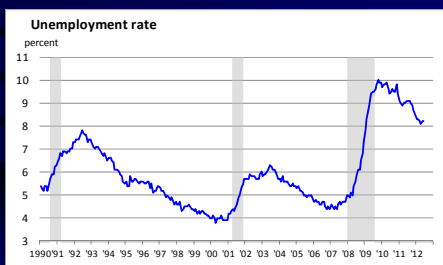
**The forecast path of the current recovery is relatively muted
compared with past deep recession recovery cycles**



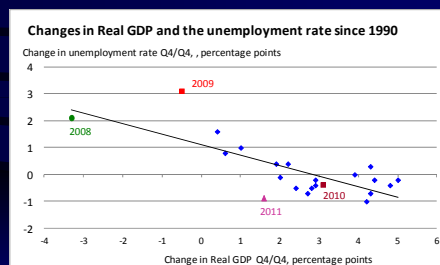
**Employment fell by over 8.7 million jobs
between December 2007 and February 2010,
but began to rise and has added just under
1.8 million jobs over the past 12 months**



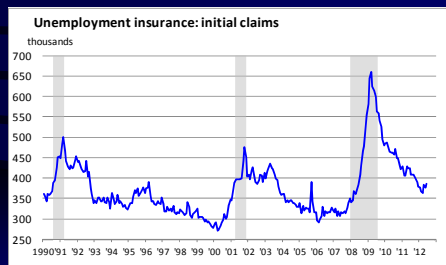
**After peaking in October 2009,
the unemployment rate has fallen by
1.8 percentage points**



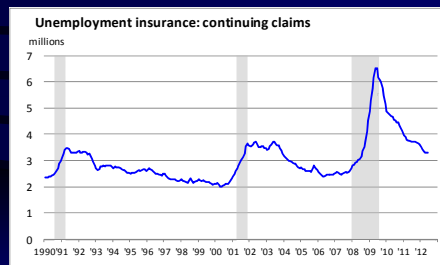
**Okun's Law: for every percentage point that
GDP growth deviates from its trend –
leads to a half percentage change in the
unemployment rate in the opposite direction**



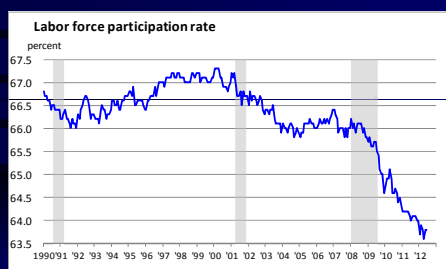
**Initial claims for unemployment insurance
remains elevated**



**Continuing claims for unemployment insurance
peaked in June 2009**



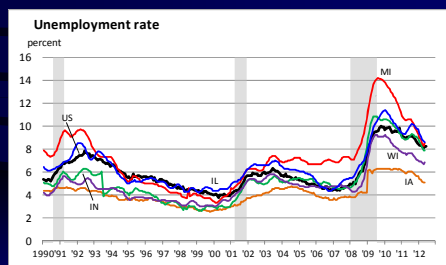
The labor force participation rate has been moving lower



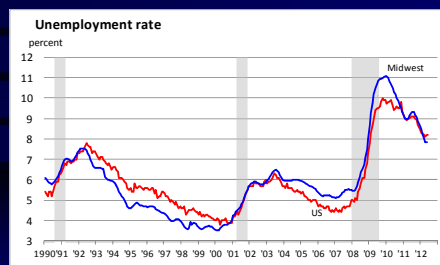
**When viewed over a longer period of time,
the labor force participation rate remains relatively high**



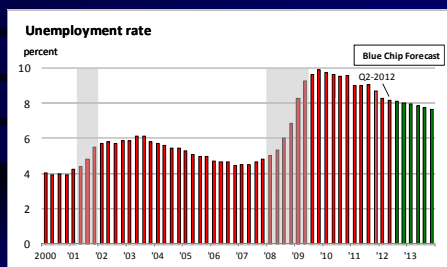
**Michigan has fallen from having the highest state
unemployment rate to number thirteen**



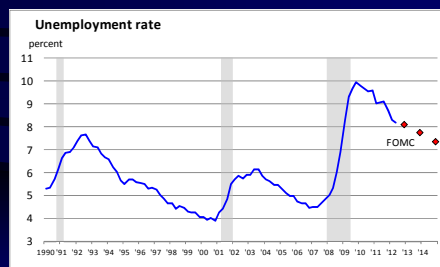
The unemployment rate in the Midwest is below the nation



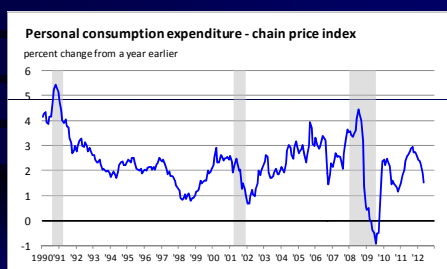
The unemployment rate is forecast to edge lower



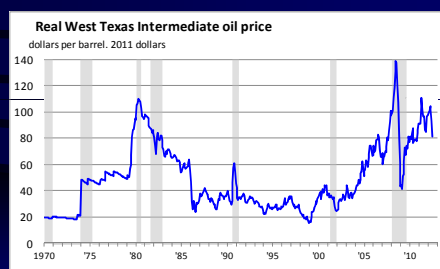
The Fed expects the unemployment rate to remain elevated



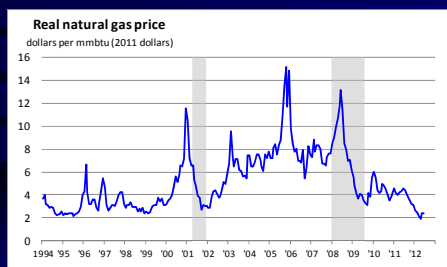
Inflation has moderated



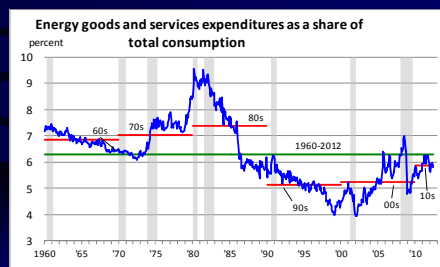
**In large part due to the movement of oil prices.
Adjusted for inflation, current oil prices are below
the levels that existed thirty years ago**



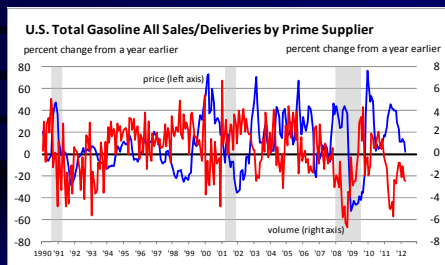
Natural gas prices have fallen sharply



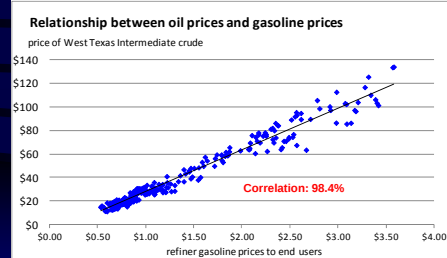
**Expenditures on energy are
below the historical average**



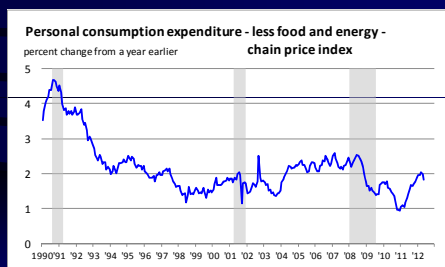
Year-to-date 2012 gasoline prices were 9.0% higher and gasoline sales were 2.0% lower than in the comparable period in 2011



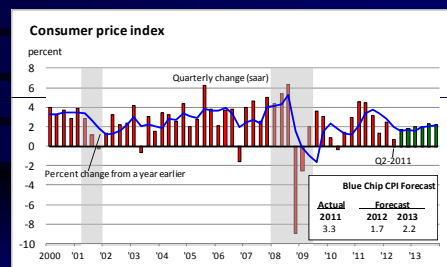
There is a strong correlation between oil prices and gasoline prices



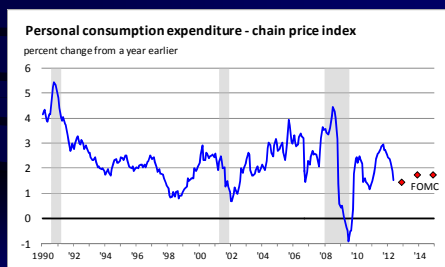
Removing the volatile food and energy components from the PCE, "core" inflation remains low



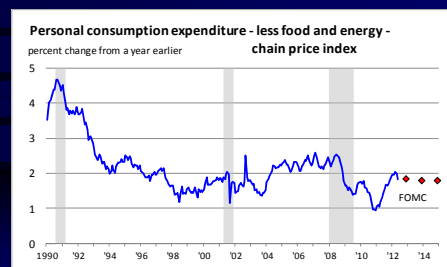
Inflation is anticipated to rise 1.7 percent this year and 2.2 percent next year



The Fed expects top-line inflation to remain below 2 percent



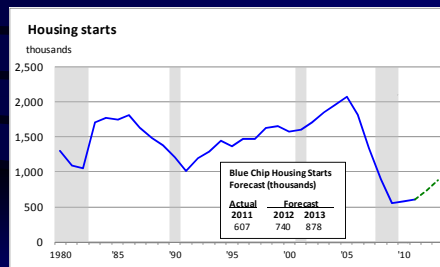
The Fed also expects core inflation to remain below 2 percent



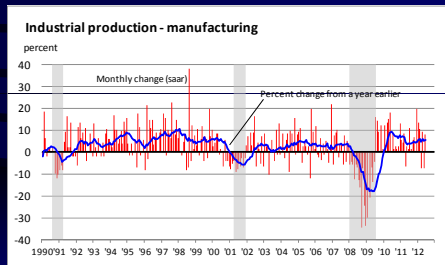
Housing starts are improving



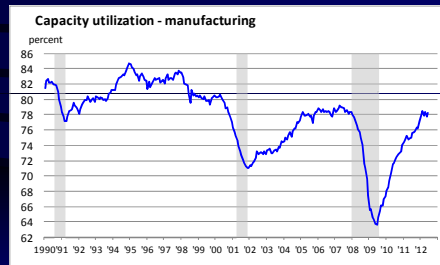
The forecast calls for a very gradual recovery in housing



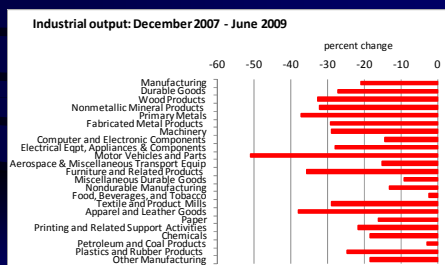
Industrial output in manufacturing fell quite sharply during the recession, but has risen strongly over the past thirty-six months, averaging 6.2% and has recovered 75.2% of the loss during the recession



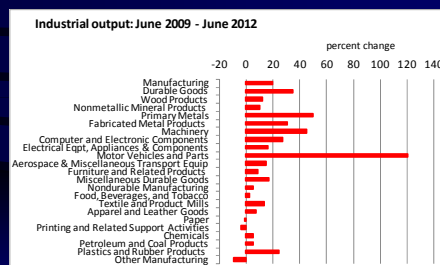
Manufacturing capacity utilization has improved after bottoming in June 2009



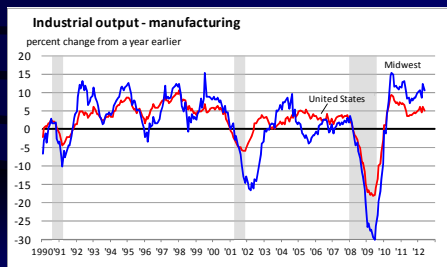
Declines in manufacturing output were broad-based during the Great Recession - especially in vehicle and primary metals manufacturing



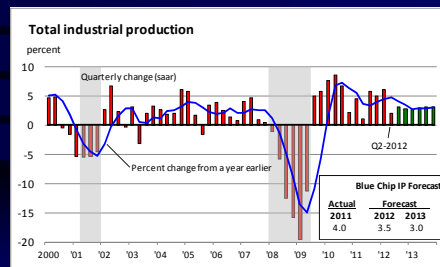
The recovery has also been broad-based with vehicle and primary metals manufacturing leading the way



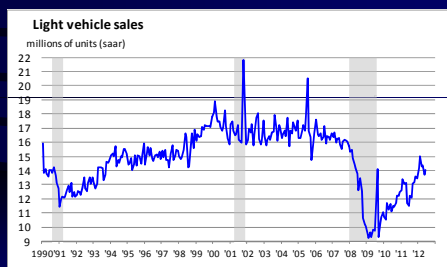
**Midwest manufacturing production
has been performing better than the nation**



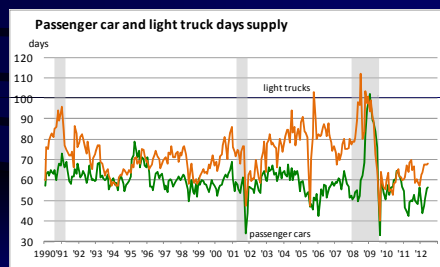
Industrial production is forecast to rise at a solid pace



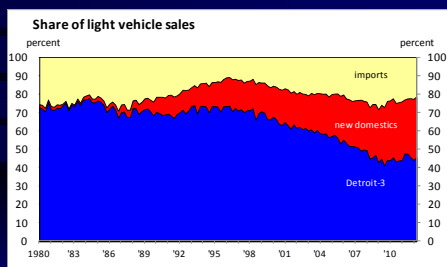
Light vehicle sales had been steadily rising



Inventories for cars are near desired levels

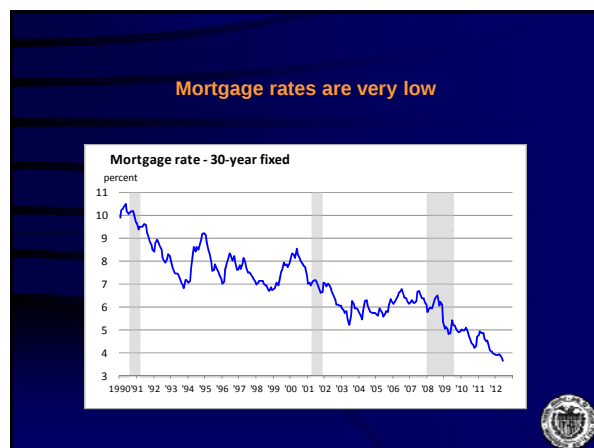
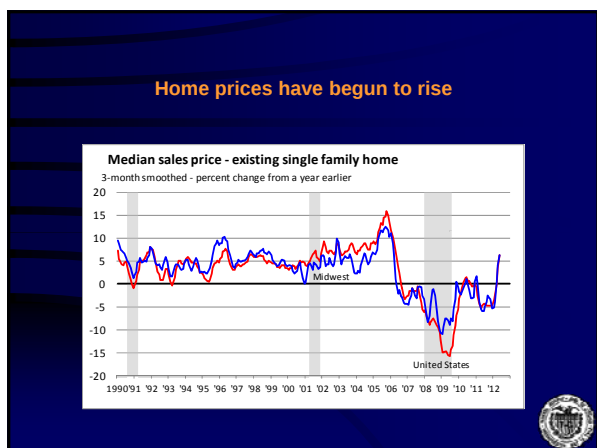
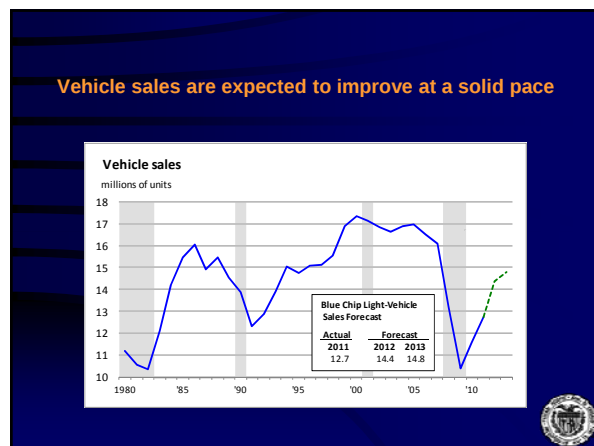


**Increases in new domestic production share
has offset losses in Detroit-3 market share**

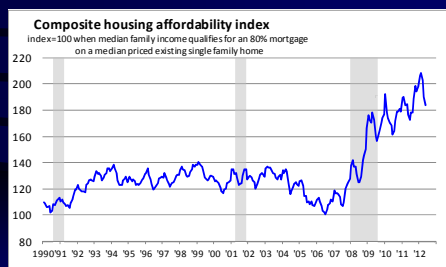


**Volkswagen who closed its US plant in New Stanton, PA
in 1988 has built a \$1 billion plant in Chattanooga, TN
where they build the new Passat**

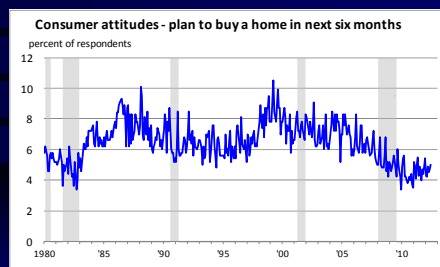




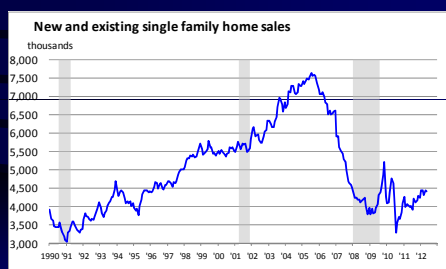
Housing affordability improved significantly



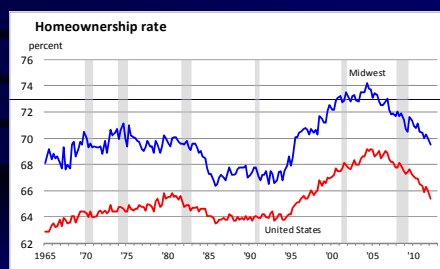
Yet, consumer attitudes for buying a home remain very low



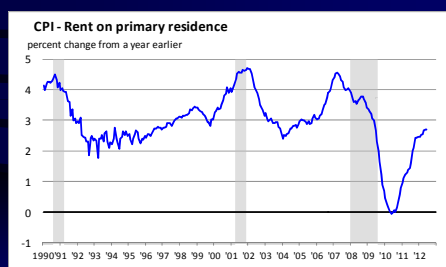
Home sales remain low



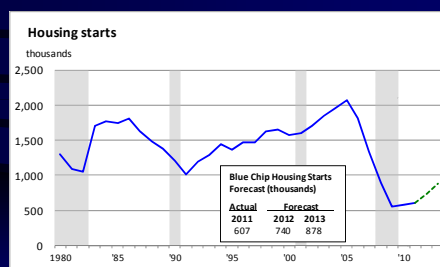
Home ownership rates have been moving lower



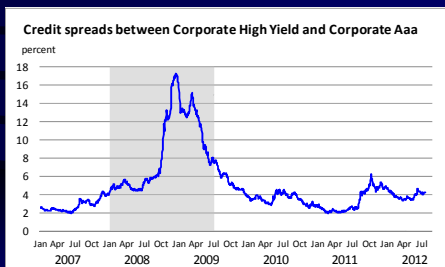
Rents are rising



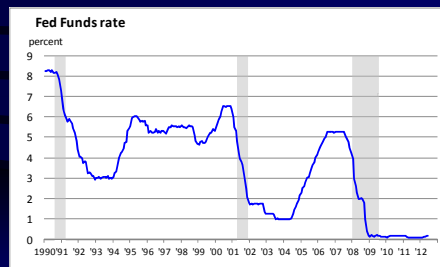
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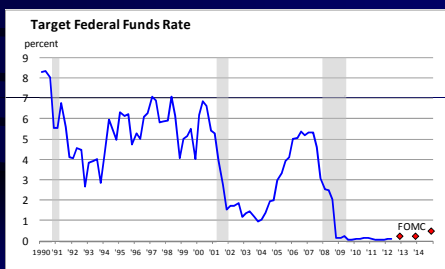
Credit spreads between Corporate High Yield securities and Corporate Aaa securities have been edging lower



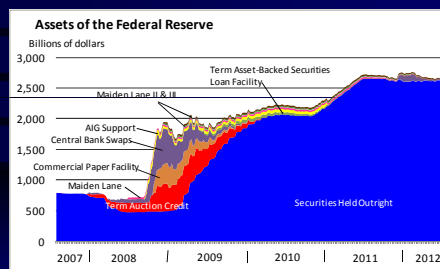
Monetary policy has been very aggressive, keeping the Fed Funds near zero since December 2008



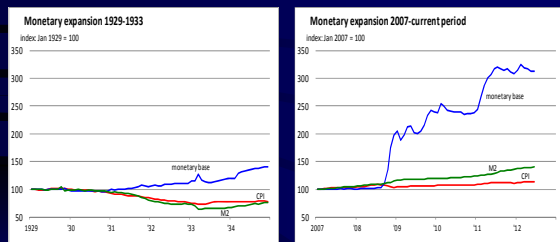
The Federal Funds Rate is anticipated to remain very low over the forecast horizon



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



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 below trend this year and slightly above trend in 2013
- 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 solid

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