Prefatory Note

The attached document represents the most complete and accurate version available based on original files from the FOMC Secretariat at the Board of Governors of the Federal Reserve System.

Please note that some material may have been redacted from this document if that material was received on a confidential basis. Redacted material is indicated by occasional gaps in the text or by gray boxes around non-text content. All redacted passages are exempt from disclosure under applicable provisions of the Freedom of Information Act.

Class II FOMC – Restricted (FR)

Report to the FOMC on Economic Conditions and Monetary Policy



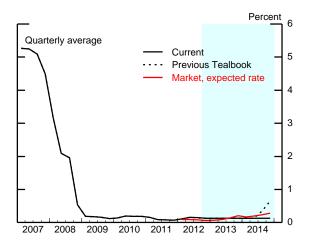
Book A

Economic and Financial Conditions: Current Situation and Outlook

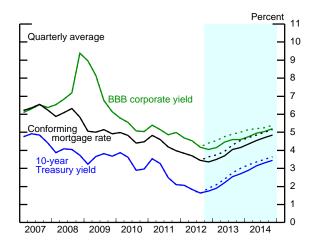
October 17, 2012

Key Background Factors underlying the Baseline Staff Projection

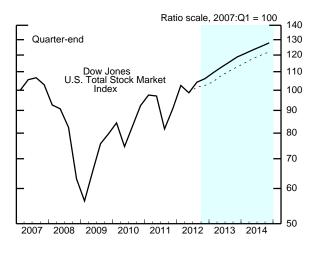
Federal Funds Rate



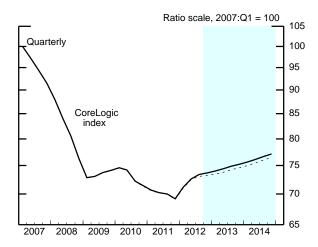
Long-Term Interest Rates



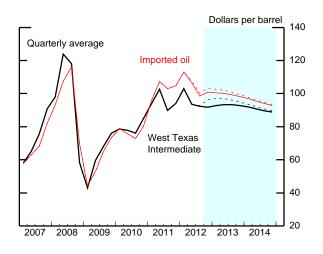
Equity Prices



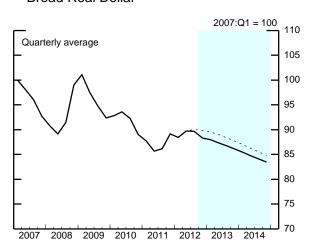
House Prices



Crude Oil Prices

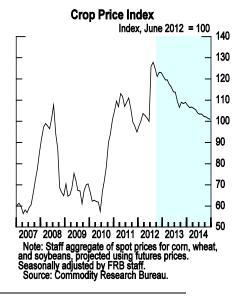


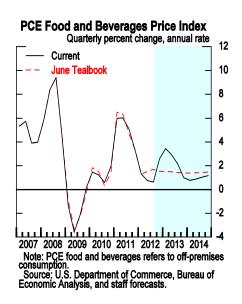
Broad Real Dollar



process and the difficulties of allocating production across quarters presents a measurement challenge for the Bureau of Economic Analysis. Our best guess is that the adverse effect of the drought on GDP will be registered mainly in the second half of this year, trimming the change in real GDP over that period by roughly ¼ percentage point at an annual rate.² We expect that this shock will be reversed early next year, as crop production is assumed to rebound to normal.

The drought-related spike in crop prices has more than reversed the price declines since late 2011 that reflected the market's anticipation of a rebound in production following that year's disappointing harvest. Looking forward, futures prices tilt down sharply, suggesting that market participants anticipate that crop prices will retrace almost all of this season's run-up by the end of next year. The projected transitory nature of the surge in farm commodity prices, together with the relatively slow pass-through of grain costs into retail food prices, damp the projected swing in consumer food prices in the Tealbook forecast. In addition, we expect that adjustments by livestock producers, who reportedly have been selling off breeding stock in response to poor pasture conditions and high grain costs, will hold down meat prices in the near term, providing some offset to the effects of higher grain prices—although eventually the reduction in livestock herds will boost meat prices as well. On balance, our models suggest that the drought-related surge in farm prices will begin to show through to PCE food prices shortly (the black line in the lower-right figure), boosting PCE food inflation to about 2½ percent in the fourth quarter and a little more than 3 percent over the first half of 2013. These increases will add roughly ¼ percentage point to overall PCE inflation over that interval. Afterward, food price inflation is projected to slow, falling back to near our June, pre-drought projection (the red dashed line) by the end of 2013.





² The Bureau of Economic Analysis also put a little of the drought effect into the second quarter.

³ The surge in crop prices this year, which primarily reflects the shortfall in domestic supply, is considerably smaller than the increases in crop prices in either 2007 to 2008 or 2010 to 2011, periods when the upward pressure on crop prices came in large part from burgeoning world demand.

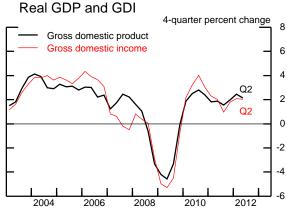
Summary of the Near-Term Outlook

(Percent change at annual rate except as noted)

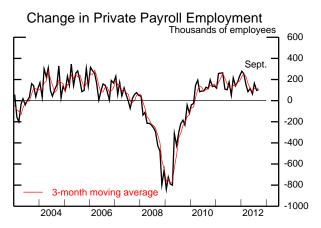
	201	12:Q3	201	2012:Q4 2013:Q1		
Measure	Previous Tealbook	Current Tealbook	Previous Tealbook	Current Tealbook	Previous Tealbook	Current Tealbook
Real GDP	1.3	2.0	1.7	2.0	2.0	1.8
Private domestic final purchases	2.1	2.1	2.2	3.1	1.3	1.4
Personal consumption expenditures	2.3	2.3	2.2	3.1	1.1	1.1
Residential investment	9.7	14.3	5.5	13.9	10.5	13.4
Business fixed investment	-1.0	-2.5	1.5	.8	.6	1.0
Government purchases	-1.7	.6	-1.1	-1.6	-1.5	-1.5
Contributions to change in real GDP						
Inventory investment ¹	1	.1	.2	.0	1.2	.8
Net exports ¹	.0	.0	2	2	.0	.1
Unemployment Rate²	8.3	8.1	8.3	8.0	8.2	8.0
PCE Chain Price Index	1.9	1.7	1.7	2.1	1.2	.9
Ex. food and energy	1.3	1.2	1.5	1.4	1.6	1.6

^{1.} Percentage points.

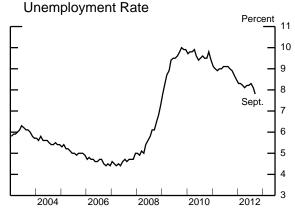
Recent Nonfinancial Developments (1)



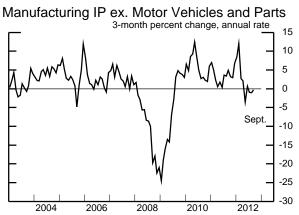
Source: U.S. Dept. of Commerce, Bureau of Economic Analysis.



Source: U.S. Dept. of Labor, Bureau of Labor Statistics.



Source: U.S. Dept. of Labor, Bureau of Labor Statistics.



Source: Federal Reserve Board, G.17 Statistical Release, "Industrial Production and Capacity Utilization."

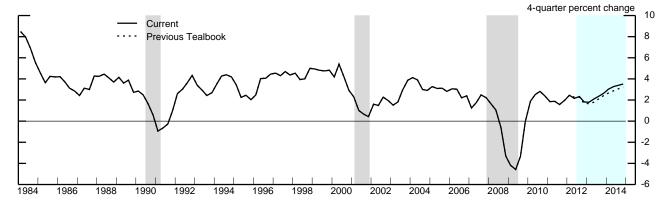
^{2.} Percent.

Projections of Real GDP and Related Components (Percent change at annual rate from final quarter

of preceding period except as noted)

Measure	2011	201	12	2013	2014		
Measure	2011	H1	H2	2013	2014		
Real GDP Previous Tealbook	2.0 2.0	1.6 1.8	2.0 1.5	2.6 2.4	3.5 3.2		
Final sales	1.7	2.1	2.0	2.5	3.5		
Previous Tealbook	1.7	2.1	1.4	2.1	3.1		
Personal consumption expenditures	1.9	2.0	2.7	2.8	3.7		
Previous Tealbook	1.9	2.1	2.3	2.4	3.4		
Residential investment	3.9	14.3	14.1	14.8	13.2		
Previous Tealbook	3.9	14.3	7.6	11.9	12.4		
Nonresidential structures	6.9	6.6	-4.2	2.7	2.3		
Previous Tealbook	6.9	6.5	-2.3	2.2	2.2		
Equipment and software Previous Tealbook	11.4	5.1	.5	4.2	7.5		
	11.4	4.8	1.3	5.1	7.2		
Federal purchases	-4.2	-2.3	-1.4	-4.2	-4.2		
Previous Tealbook	-4.2	-2.2	-2.8	-4.2	-4.3		
State and local purchases	-2.7	-1.6	.0	.3	.9		
Previous Tealbook	-2.7	-1.6	5	.3	.9		
Exports	4.3	4.8	1.1	5.1	6.2		
Previous Tealbook	4.3	5.2	3.3	4.5	5.7		
Imports	3.5	2.9	1.4	3.9	5.0		
Previous Tealbook	3.5	3.0	3.3	4.2	4.8		
	Contributions to change in real GDP (percentage points)						
Inventory change	.3	4	.1	.2	.0		
Previous Tealbook	.3	3	.0	.3	.1		
Net exports	.0	.1	1	.0	.0		
Previous Tealbook	.0	.2	1	1	.0		

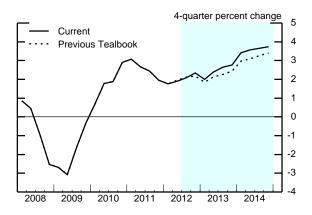
Real GDP



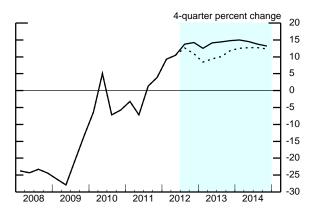
Note: The gray shaded bars indicate a period of business recession as defined by the National Bureau of Economic Research. Source: U.S. Department of Commerce, Bureau of Economic Analysis.

Components of Final Demand

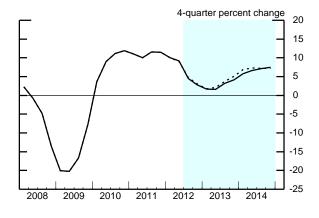
Personal Consumption Expenditures



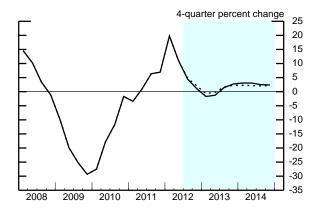
Residential Investment



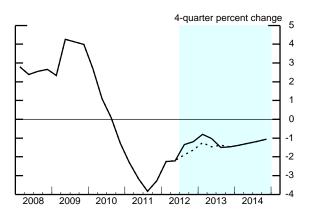
Equipment and Software



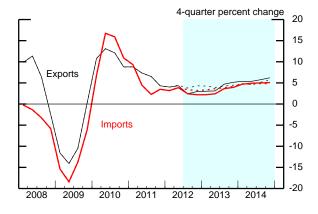
Nonresidential Structures



Government Consumption & Investment



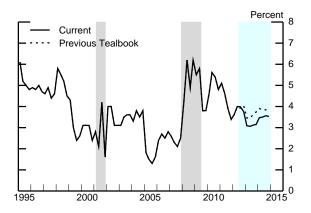
Exports and Imports



Source: U.S. Department of Commerce, Bureau of Economic Analysis.

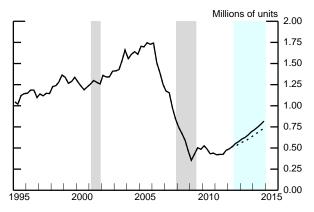
Aspects of the Medium-Term Projection

Personal Saving Rate



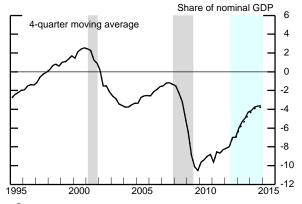
Source: U.S. Dept. of Commerce, Bureau of Economic Analysis.

Single-Family Housing Starts



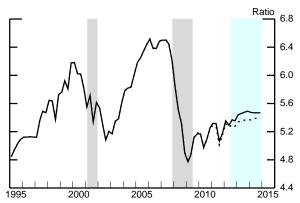
Source: U.S. Census Bureau.

Federal Surplus/Deficit



Source: Monthly Treasury Statement.

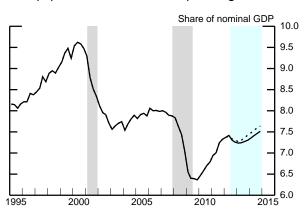
Wealth-to-Income Ratio



Note: Household net worth as a ratio to disposable personal income.

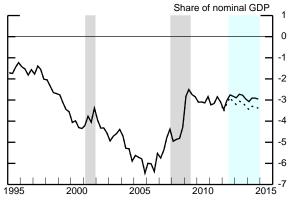
Source: For net worth, Federal Reserve Board, flow of funds data; for income, Dept. of Commerce, Bureau of Economic Analysis.

Equipment and Software Spending



Source: U.S. Dept. of Commerce, Bureau of Economic Analysis.

Current Account Surplus/Deficit



Source: U.S. Dept. of Commerce, Bureau of Economic Analysis.

Note: The gray shaded bars indicate a period of business recession as defined by the National Bureau of Economic Research.

Decomposition of Potential GDP

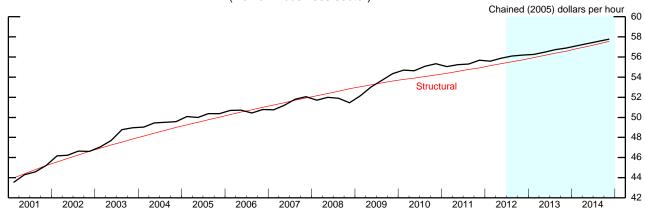
(Percent change, Q4 to Q4, except as noted)

Measure	1974- 1995	1996- 2000	2001- 2010	2011	2012	2013	2014
Potential real GDP	3.0	3.4	2.2	1.5	1.8	2.0	2.1
Previous Tealbook	3.0	3.4	2.2	1.7	1.8	2.0	2.1
Selected contributions ¹ Structural labor productivity Previous Tealbook	1.4 1.4	2.6 2.6	2.1 2.2	1.3 1.5	1.4 1.4	1.6 1.6	1.7 1.7
Capital deepening	.7	1.5	.7	.4	.5	.6	.6
Previous Tealbook	.7	1.5	.7	.4	.5	.6	.7
Multifactor productivity	.5	.8	1.2	.8	.9	.9	1.0
Previous Tealbook	.5	.8	1.2	.9	.8	.9	.9
Structural hours	1.5	1.0	.6	.5	.6	.6	.6
Previous Tealbook	1.5	1.0	.6	.5	.6	.6	.6
Labor force participation	.4	.0	3	4	3	3	3
Previous Tealbook	.4	.0	3	4	3	3	3

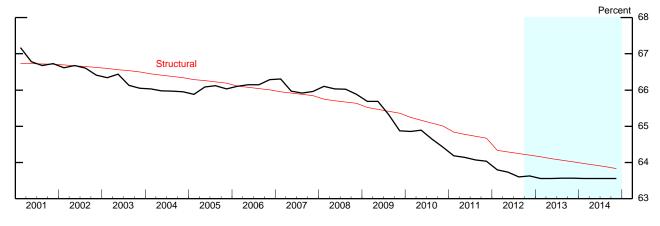
Note: Components may not sum to totals because of rounding. For multiyear periods, the percent change is the annual average from Q4 of the year preceding the first year shown to Q4 of the last year shown.

1. Percentage points.

Structural and Actual Labor Productivity (Nonfarm business sector)



Structural and Actual Labor Force Participation Rate



Source: U.S. Department of Labor, Bureau of Labor Statistics; Bureau of Economic Analysis; and staff assumptions.

The Outlook for the Labor Market and Resource Utilization

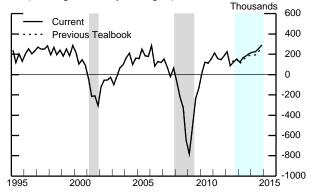
(Percent change from final quarter of preceding period)

M	2011	20	012	2012	2014	
Measure	2011	H1	H2	2013	2014	
Output per hour, nonfarm business	.6	.7	1.1	1.3	1.6	
Previous Tealbook	.6	.8	.9	1.3	1.6	
Nonfarm private employment ¹	175	157	137	170	249	
Previous Tealbook	175	159	145	153	218	
Labor force participation rate ²	64.0	63.7	63.6	63.6	63.6	
Previous Tealbook	64.0	63.7	63.7	63.7	63.7	
Civilian unemployment rate ²	8.7	8.2	8.0	7.8	7.2	
Previous Tealbook	8.7	8.2	8.3	8.0	7.6	
Memo: GDP gap ³ Previous Tealbook	-4.0 -4.4	-4.1 -4.4	-4.0 -4.6	-3.4 -4.1	-2.0 -3.1	

^{1.} Thousands, average monthly changes.

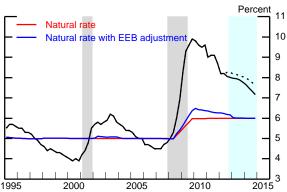
Source: U.S. Department of Labor, BLS; staff assumptions.

Nonfarm Private Employment (Average monthly changes)



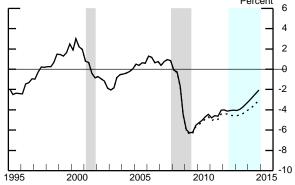
Source: U.S. Dept. of Labor, BLS.

Unemployment Rate



Note: The EEB adjustment is the staff estimate of the effect of extended and emergency unemployment compensation programs on the natural rate of unemployment. Source: U.S. Dept. of Labor, BLS; staff assumptions.

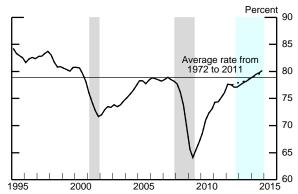
GDP Gap



Note: The GDP gap is the percent difference between actual and potential GDP; a negative number indicates that the economy is operating below potential.

Source: U.S. Dept. of Commerce, BEA; staff assumptions.

Manufacturing Capacity Utilization Rate



Source: Federal Reserve Board, G.17 Statistical Release, "Industrial Production and Capacity Utilization."

Note: The gray shaded bars indicate a period of business recession as defined by the National Bureau of Economic Research.

^{2.} Percent, average for the final quarter in the period.

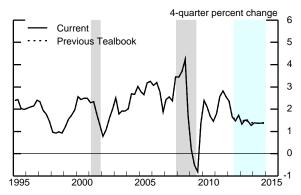
^{3.} Percent difference between actual and potential GDP in the final quarter of the period indicated. A negative number indicates that the economy is operating below potential.

Inflation Projections (Percent change at annual rate from final quarter of preceding period)

		201	2	2012	2014	
Measure	2011	H1	H2	2013	2014	
PCE chain-weighted price index	2.5	1.6	1.9	1.3	1.4	
Previous Tealbook	2.5	1.6	1.8	1.4	1.4	
Food and beverages	5.1	1.0	1.6	2.4	1.0	
Previous Tealbook	5.1	1.0	2.4	2.6	.9	
Energy	11.9	-3.3	11.0	-4.7	-2.3	
Previous Tealbook	11.9	-3.3	6.3	-3.4	-2.2	
Excluding food and energy	1.7	2.0	1.3	1.6	1.7	
Previous Tealbook	1.7	2.0	1.4	1.6	1.6	
Prices of core goods imports ¹	4.3	.5	9	1.4	1.5	
Previous Tealbook	4.3	.5	-1.1	1.1	1.4	

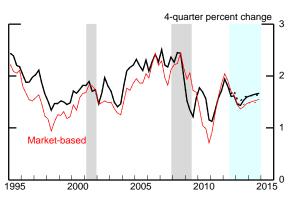
^{1.} Core goods imports exclude computers, semiconductors, oil, and natural gas. Source: U.S. Dept. of Commerce, Bureau of Economic Analysis.

Total PCE Prices



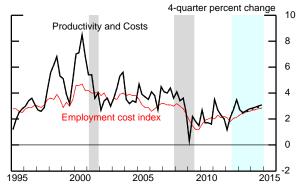
Source: U.S. Dept. of Commerce, Bureau of Economic Analysis.

PCE Prices ex. Food and Energy



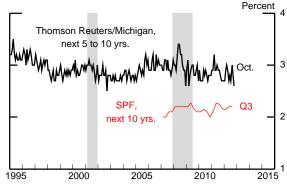
Source: U.S. Dept. of Commerce, Bureau of Economic Analysis.

Compensation per Hour



Source: U.S. Dept. of Labor, Bureau of Labor Statistics.

Long-Term Inflation Expectations



Note: The Survey of Professional Forecasters (SPF) projection is for the PCE price index. $\label{eq:professional}$

Source: Thomson Reuters/University of Michigan Surveys of Consumers; Federal Reserve Bank of Philadelphia.

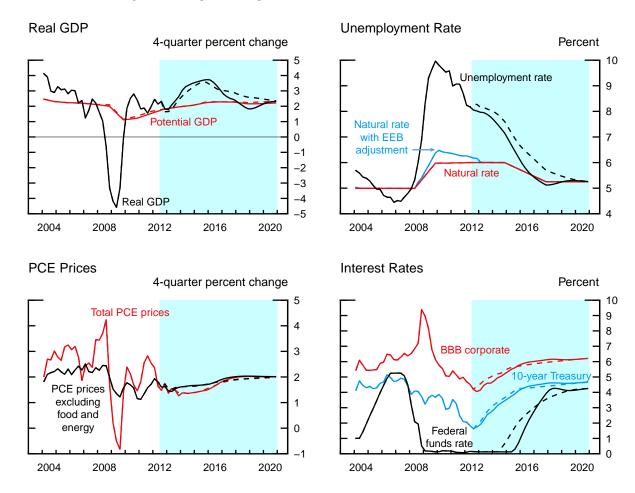
Note: The gray shaded bars indicate a period of business recession as defined by the National Bureau of Economic Research.

The Long-Term Outlook

(Percent change, Q4 to Q4, except as noted)

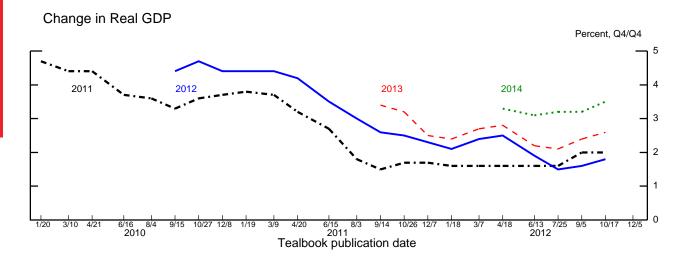
Measure	2012	2013	2014	2015	2016	2017
Real GDP Previous Tealbook	1.8 1.6	2.6 2.4	3.5 3.2	3.7 3.6	3.1 3.0	2.4 2.9
Flevious Tealbook	1.0	2.4	3.2	3.0	3.0	2.9
Civilian unemployment rate ¹	8.0	7.8	7.2	6.2	5.5	5.1
Previous Tealbook	8.3	8.0	7.6	6.7	6.2	5.7
PCE prices, total	1.7	1.3	1.4	1.5	1.8	2.0
Previous Tealbook	1.7	1.4	1.4	1.5	1.8	1.9
Core PCE prices	1.6	1.6	1.7	1.7	1.9	2.0
Previous Tealbook	1.7	1.6	1.6	1.7	1.8	1.9
Federal funds rate ¹	.1	.1	.1	.7	2.6	3.9
Previous Tealbook	.1	.1	.6	2.1	2.9	3.5
10-year Treasury yield ¹	1.8	2.7	3.5	4.1	4.4	4.6
Previous Tealbook	1.9	3.0	3.7	4.2	4.3	4.4

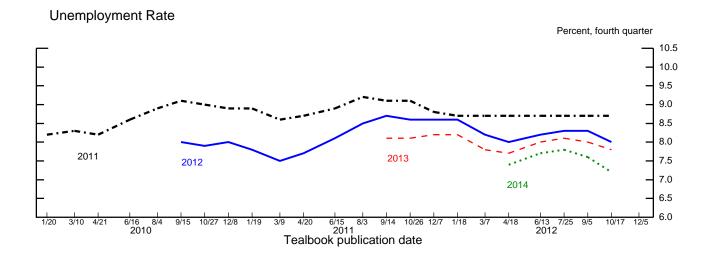
^{1.} Percent, average for the final quarter of the period.

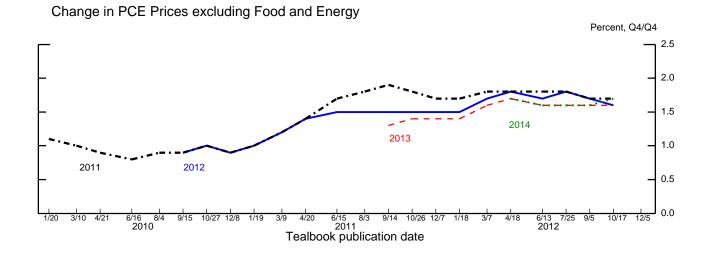


Note: In each panel, shading represents the projection period, and dashed lines are the previous Tealbook.

Evolution of the Staff Forecast







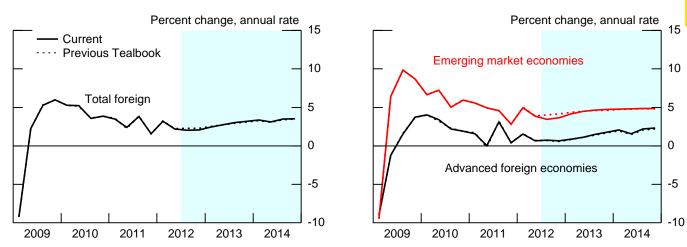
The Foreign Outlook

(Percent change, annual rate)

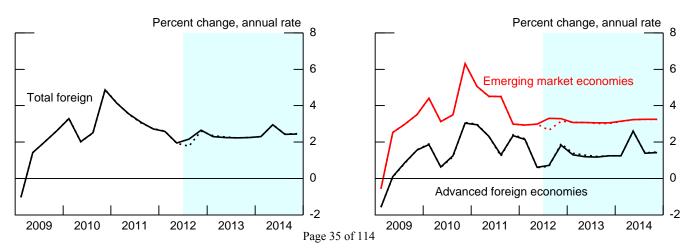
		1				1			
		2012			2013				
	2011	Q1	Q2	Q3	Q4	Q1	Q2	H2	2014
Real GDP									
Total foreign	2.8	3.2	2.2	2.0	2.1	2.4	2.7	3.1	3.4
Previous Tealbook	2.8	3.2	2.3	2.3	2.3	2.5	2.7	3.0	3.3
Advanced foreign economies	1.3	1.5	.6	.7	.6	.9	1.1	1.6	2.0
Previous Tealbook	1.3	1.6	.7	.7	.6	.8	1.1	1.5	1.9
Emerging market economies	4.5	5.0	3.9	3.4	3.6	4.1	4.5	4.7	4.8
Previous Tealbook	4.5	5.0	3.9	4.0	4.1	4.4	4.5	4.6	4.8
Consumer Prices									
Total foreign	3.4	2.6	1.9	2.2	2.7	2.3	2.2	2.2	2.5
Previous Tealbook	3.4	2.6	1.9	1.8	2.6	2.3	2.3	2.2	2.5
Advanced foreign economies	2.2	2.1	.6	.7	1.8	1.3	1.2	1.2	1.7
Previous Tealbook	2.2	2.2	.6	.7	1.9	1.4	1.3	1.2	1.7
Emerging market economies	4.3	2.9	3.0	3.3	3.3	3.1	3.1	3.1	3.2
Previous Tealbook	4.3	2.9	3.0	2.7	3.2	3.1	3.1	3.0	3.2

Note: Annualized percent change from final quarter of preceding period to final quarter of period indicated.

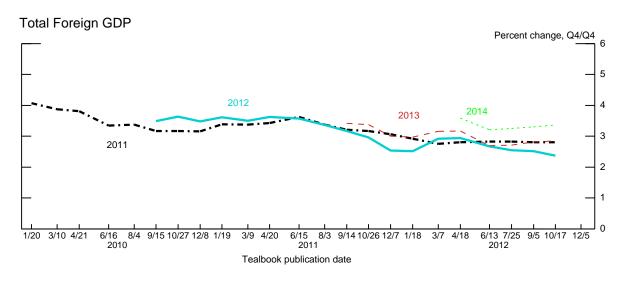
Real GDP

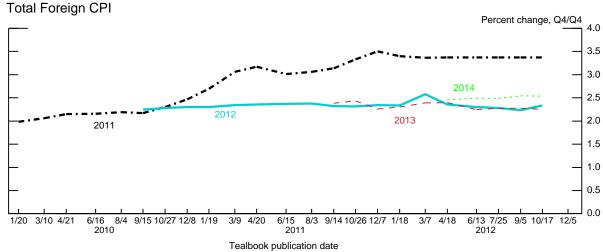


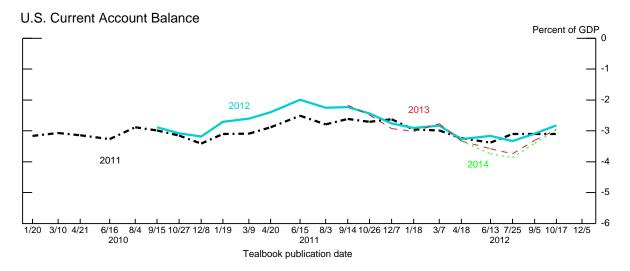
Consumer Prices



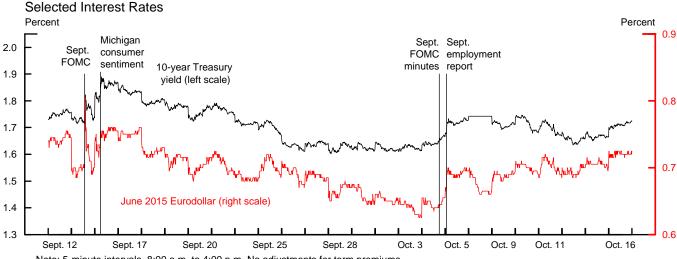
Evolution of Staff's International Forecast







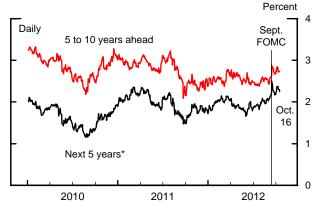
Policy Expectations and Treasury Yields



Note: 5-minute intervals. 8:00 a.m. to 4:00 p.m. No adjustments for term premiums.

Source: Bloomberg.

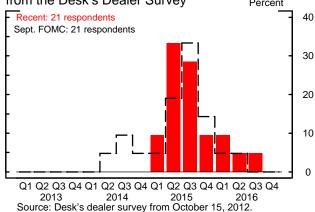
Inflation Compensation

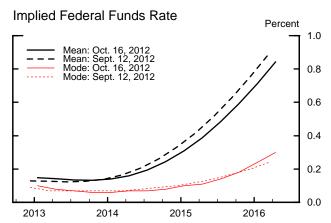


Note: Estimates based on smoothed nominal and inflation-indexed Treasury yield curves.

*Adjusted for the indexation-lag (carry) effect. Source: Barclays PLC and staff estimates.

Distribution of Modal Timing of First Rate Increase from the Desk's Dealer Survey

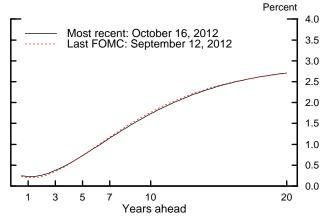




Note: Mean is estimated using overnight index swap quotes. Mode is estimated from the distribution of federal funds rate implied by interest rate caps. Both include a term premium of zero basis points per month.

Source: Bloomberg and CME Group.

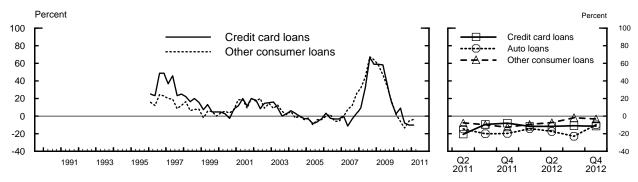
Treasury Yield Curve



Note: Smoothed yield curve estimated from off-the-run Treasury coupon securities. Yields shown are those on notional par Treasury securities with semiannual coupons. Source: Federal Reserve Board.

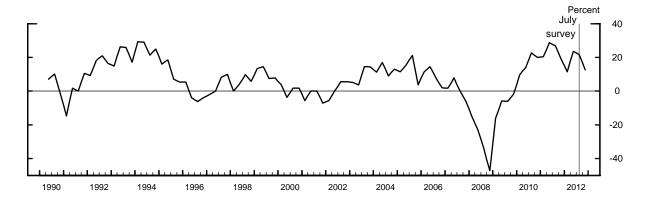
Measures of Supply and Demand for Consumer Loans

Net Percentage of Domestic Respondents Tightening Standards for Consumer Loans

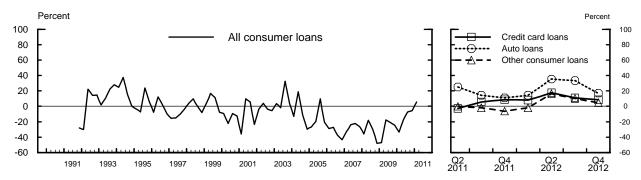


Note: For data starting in 2011:Q2, changes in standards for auto loans and consumer loans excluding credit card and auto loans are reported separately. In 2011:Q2 only, new and used auto loans are reported separately and equally weighted to calculate the auto loans series.

Net Percentage of Domestic Respondents Reporting Increased Willingness to Make Consumer Installment Loans



Net Percentage of Domestic Respondents Reporting Stronger Demand for Consumer Loans



Note: For data starting in 2011:Q2, changes in demand for credit card loans, auto loans, and consumer loans excluding credit card and auto loans are reported separately.

Alternative Scenarios

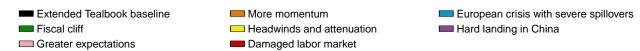
(Percent change, annual rate, from end of preceding period except as noted)

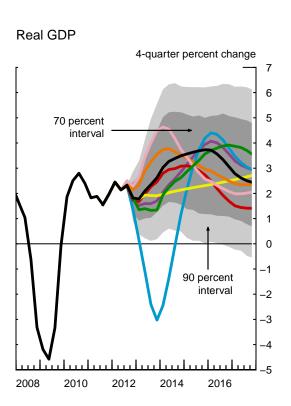
Measure and scenario	2012	2013	2014	2015	2016-
Measure and scenario	H2	2013	2014	2013	17
Real GDP					
Extended Tealbook baseline	2.0	2.6	3.5	3.7	2.7
Fiscal cliff	2.0	1.3	2.6	3.5	3.7
Greater expectations	2.9	4.5	3.8	2.5	2.0
More momentum	2.6	3.5	3.5	2.9	2.4
Headwinds and attenuation	2.0	1.9	2.1	2.3	2.6
Damaged labor market	1.8	2.4	3.1	2.7	1.5
European crisis with severe spillovers	1.1	-3.1	1.2	4.2	3.3
Hard landing in China	1.8	1.7	2.9	3.9	3.2
Unemployment rate ¹					
Extended Tealbook baseline	8.0	7.8	7.2	6.2	5.1
Fiscal cliff	8.0	8.3	8.2	7.4	5.5
Greater expectations	7.9	6.9	5.9	5.3	5.2
More momentum	7.8	7.3	6.6	5.8	5.3
Headwinds and attenuation	8.0	8.0	8.0	7.8	7.0
Damaged labor market	8.0	7.9	7.4	6.8	6.8
European crisis with severe spillovers	8.1	9.8	10.4	9.3	7.5
Hard landing in China	8.0	8.1	7.9	6.9	5.5
Total PCE prices					
Extended Tealbook baseline	1.9	1.3	1.4	1.5	1.9
Fiscal cliff	1.9	1.3	1.2	1.1	1.5
Greater expectations	1.9	1.4	1.7	1.9	2.2
More momentum	1.9	1.4	1.6	1.7	2.0
Headwinds and attenuation	1.9	1.3	1.3	1.1	1.2
Damaged labor market	2.0	1.5	1.9	2.2	2.5
European crisis with severe spillovers	1.2	-1.1	.4	1.6	2.2
Hard landing in China	1.6	.4	.7	1.3	2.0
Core PCE prices					
Extended Tealbook baseline	1.3	1.6	1.7	1.7	1.9
Fiscal cliff	1.3	1.6	1.5	1.3	1.5
Greater expectations	1.3	1.7	2.0	2.1	2.2
More momentum	1.3	1.7	1.9	1.9	2.0
Headwinds and attenuation	1.3	1.6	1.6	1.3	1.2
Damaged labor market	1.4	1.8	2.2	2.4	2.5
European crisis with severe spillovers	1.1	.3	.8	1.5	2.0
Hard landing in China	1.2	1.2	1.3	1.5	1.9
Federal funds rate ¹					
Extended Tealbook baseline	.1	.1	.1	.7	3.9
Fiscal cliff	.1	.1	.1	.1	3.4
Greater expectations	.1	.6	1.8	2.2	4.0
More momentum	.1	.1	.6	1.4	3.7
Headwinds and attenuation	.1	.1	.1	.1	.5
Damaged labor market	.1	.1	1.0	2.6	4.9
European crisis with severe spillovers	.1	.1	.1	.1	1.5
Hard landing in China	.1	.1	.1	.2	3.1

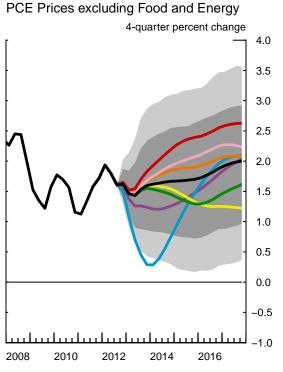
^{1.} Percent, average for the final quarter of the period.

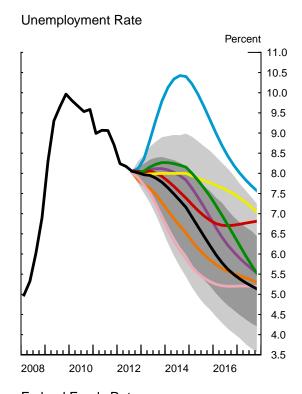
Forecast Confidence Intervals and Alternative Scenarios

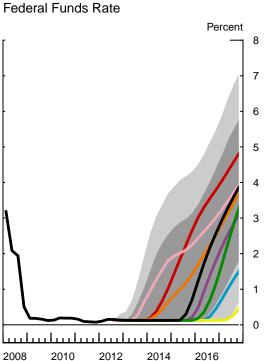
Confidence Intervals Based on FRB/US Stochastic Simulations











Selected Tealbook Projections and 70 Percent Confidence Intervals Derived from Historical Tealbook Forecast Errors and FRB/US Simulations

Measure	2012	2013	2014	2015	2016	2017
Real GDP						
(percent change, Q4 to Q4)						
Projection	1.8	2.6	3.5	3.7	3.1	2.4
Confidence interval						
Tealbook forecast errors	1.3-2.3	.9-4.3	1.6-5.4			
FRB/US stochastic simulations	1.2–2.4	1.3–4.5	1.6–5.2	1.2-5.0	1.1–5.1	.7–4.8
Civilian unemployment rate						
(percent, Q4)						
Projection	8.0	7.8	7.2	6.2	5.5	5.1
Confidence interval						
Tealbook forecast errors	7.9–8.1	7.1 - 8.5	6.0 - 8.4			
FRB/US stochastic simulations	7.9–8.2	7.0-8.4	6.0-8.2	5.2–7.6	4.6–6.9	4.2-6.4
PCE prices, total						
(percent change, Q4 to Q4)						
Projection	1.7	1.3	1.4	1.5	1.8	2.0
Confidence interval						
Tealbook forecast errors	1.5-2.0	.0-2.5	.1-2.7			
FRB/US stochastic simulations	1.4–2.2	.3–2.3	.2–2.6	.2–2.7	.5–2.9	.7–3.1
PCE prices excluding						
food and energy						
(percent change, Q4 to Q4)						
Projection	1.6	1.6	1.7	1.7	1.9	2.0
Confidence interval						
Tealbook forecast errors	1.4-1.8	.9–2.3	.9–2.5			
FRB/US stochastic simulations	1.4–1.9	.9–2.3	.8–2.6	.7–2.6	.9–2.8	1.0–2.9
Federal funds rate						
(percent, Q4)						
Projection	.1	.1	.1	.7	2.6	3.9
Confidence interval						
FRB/US stochastic simulations	.1–.1	.1–1.0	.1–2.5	.1–3.1	.6–4.4	1.9–5.8

Note: Shocks underlying FRB/US stochastic simulations are randomly drawn from the 1969–2009 set of model equation residuals.

Intervals derived from Tealbook forecast errors are based on projections made from 1979–2009, except for PCE prices excluding food and energy, where the sample is 1981–2009.

^{...} Not applicable. The Tealbook forecast horizon has typically extended about 2 years.

Alternative Projections

(Percent change, Q4 to Q4, except as noted)

	20	12	20	13	20	14
Measure and projection	Previous Tealbook	Current Tealbook	Previous Tealbook	Current Tealbook	Previous Tealbook	Current Tealbook
Real GDP Staff FRB/US EDO Blue Chip	1.6 1.5 1.9 1.8	1.8 1.4 2.0 1.7	2.4 1.7 3.1 2.4	2.6 1.9 3.2 2.3	3.2 2.9 3.1	3.5 3.1 3.2
Unemployment rate ¹ Staff FRB/US EDO Blue Chip	8.3 8.4 8.2 8.1	8.0 8.1 8.1 8.1	8.0 8.8 7.8 7.7	7.8 8.5 7.7 7.8	7.6 8.5 7.4	7.2 8.1 7.4
Total PCE prices Staff FRB/US EDO Blue Chip ²	1.7 1.7 1.6 1.9	1.7 1.8 1.6 1.9	1.4 1.2 1.6 2.2	1.3 1.2 1.5 2.1	1.4 1.0 1.6	1.4 1.0 1.6
Core PCE prices Staff FRB/US EDO Blue Chip	1.7 1.7 1.7	1.6 1.7 1.6	1.6 1.5 1.6	1.6 1.5 1.5	1.6 1.2 1.6	1.7 1.3 1.6
Federal funds rate ¹ Staff FRB/US EDO Blue Chip ³	.1 .2 .4 .1	.1 .3 .3 .1	.1 .2 1.2 .2	.1 .5 1.2 .2	.6 .9 1.9	.1 1.6 1.9

Note: Blue Chip forecast completed on October 10, 2012.

Risks & Uncertainty

Percent, average for Q4.
 Consumer price index.
 Treasury bill rate.
 Not applicable. The Blue Chip forecast typically extends about 2 years.

Risks & Uncertainty

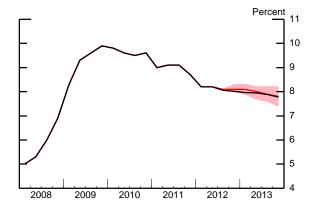
Tealbook Forecast Compared with Blue Chip (Blue Chip survey released October 10, 2012)



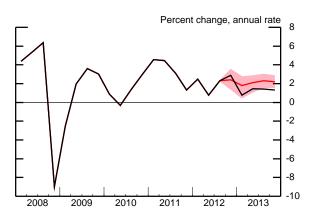
Note: The shaded area represents the area between the Blue Chip top 10 and bottom 10 averages.

Real PCE Percent change, annual rate 5 4 3 2 1 0 -1 -2 -3 -4 -5 -6

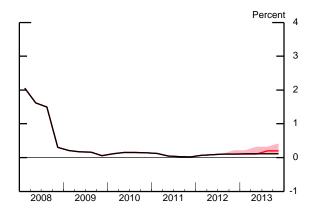
Unemployment Rate



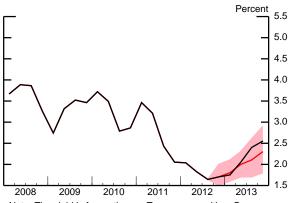
Consumer Price Index



Treasury Bill Rate



10-Year Treasury Yield



Note: The yield is for on-the-run Treasury securities. Over the forecast period, the staff's projected yield is assumed to be 15 basis points below the off-the-run yield.

Assessment of Key Macroeconomic Risks (1)

Probability of Inflation Events

(4 quarters ahead—2013:Q3)

Probability that the 4-quarter change in total PCE prices will be	Staff	FRB/US	EDO	BVAR
Greater than 3 percent Current Tealbook Previous Tealbook	.06	.07	.11	.14
	.07	.06	.11	.14
Less than 1 percent Current Tealbook Previous Tealbook	.29	.26	.32	.09
	.27	.31	.32	.10

Probability of Unemployment Events

(4 quarters ahead—2013:Q3)

Probability that the unemployment rate will	Staff	FRB/US	EDO	BVAR
Increase by 1 percentage point				
Current Tealbook	.02	.15	.17	.01
Previous Tealbook	.02	.16	.16	.02
Decrease by 1 percentage point				
Current Tealbook	.04	.00	.29	.30
Previous Tealbook	.06	.00	.32	.14

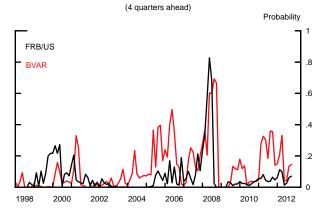
Probability of Near-Term Recession

Probability that real GDP declines in each of 2012:Q4 and 2013:Q1	Staff	FRB/US	EDO	BVAR	Factor Model
Current Tealbook	.03	.06	.06	.03	.24
Previous Tealbook	.03	.07	.05	.03	.21

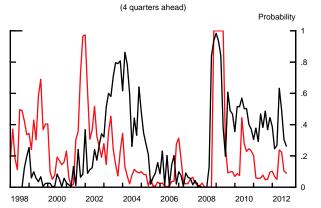
Note: "Staff" represents Tealbook forecast errors applied to the Tealbook baseline; baselines for FRB/US, BVAR, EDO, and the factor model are generated by those models themselves, up to the current-quarter estimate. The current quarter is taken as data from the staff estimate for the second Tealbook in each quarter, otherwise the preceding quarter is taken as the latest historical observation.

Assessment of Key Macroeconomic Risks (2)

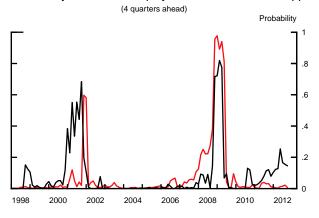




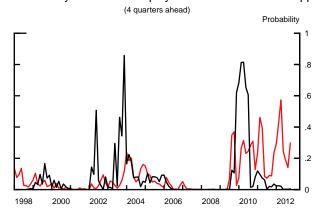
Probability that Total PCE Inflation Is below 1 Percent



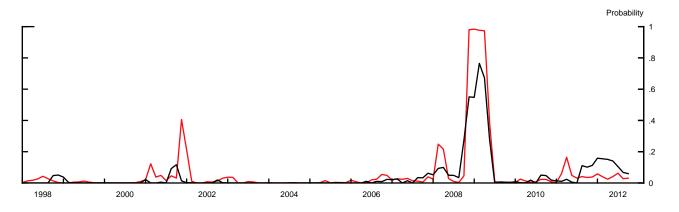
Probability that the Unemployment Rate Increases 1 ppt



Probability that the Unemployment Rate Decreases 1 ppt



Probability that Real GDP Declines in each of the Next Two Quarters



Note: See notes on facing page. Recession and inflation probabilities for FRB/US and the BVAR are real-time estimates. See Robert J. Tetlow and Brian Ironside (2007), "Real–Time Model Uncertainty in the United States: The Fed, 1996– 2003," *Journal of Money and Banking*, vol. 39 (October), pp. 1533–61.

Greensheets

Changes in GDP, Prices, and Unemployment (Percent, annual rate except as noted)

	Nomina	Nominal GDP	Real	Real GDP	PCE pr	PCE price index	Core PCE	Core PCE price index	Unemployment rate ¹	ment rate ¹
	09/05/12	10/17/12	09/05/12	10/17/12	09/05/12	10/17/12	09/05/12	10/17/12	09/05/12	10/17/12
	2.8.4 2.2.8.4	2.8.4 2.2.8.4	2.55	2.55	3.2	3.2	1.3 2.3 1.9	2.3	9.0 9.1 9.1 8.7	9.0 9.1 9.1 8.7
	: 4.8.4.8. : 5.8.8.8.8.8.8.8.8.8.8.8.8.8.8.8.8.8.8.8	. 49.04 . 58.56	2.0 1.7 1.3	2.0 1.3 2.0 2.0	2.5 7. 1.9	2.5	2.2 1.8 1.3 1.5	2.2 7.1 4.1	. 2.2.2.8.8.8.8.8.8.8.8.8.8.8.8.8.8.8.8.	88.27 8.02 8.03 8.04
	8.6.4.4. 4.8.1.4.	2.4.4.4.4.5.4.5.4.5.4.5.5.4.5.4.5.4.5.4.	2.0 2.3 2.6 2.8	1.8 2.5 3.0 3.1	1.5 1.5 1.3 1.3	e. 4.1 2.1 2.1 3.2 6.1	1.6 1.6 1.6	1.6 1.6 1.6 1.6	8.2 8.2 8.1 8.0	8.0 7.9 7.8
Two-quarter ² 2011:Q2 Q4	3.7	3.7	1.3	1.3	3.4	3.4	1.8	1.8	¿. 4.	¿. 4.
	3.7	3.5	1.8	1.6	1.6	1.6	2.0	2.0	¿	¿ 2:-
	3.6	3.4 4.5	2.1	2.2	1.4 4.1	1.2	1.6	1.6	1	.0.
Four-quarter ³ 2010:Q4 2011:Q4 2012:Q4 2013:Q4 2013:Q4	4.4.8.8.4 6.6.6.7.7.8.4	4.3 6.4.4 7.9 7.0 7.0 7.0 7.0	2.0 1.6 3.2 3.2 3.2	2.0 1.8 3.5 3.5 3.5	2.5 2.5 7.1 4.1 4.1	2.5 2.5 1.7 1.3 1.3	1.2 1.7 1.7 1.6 1.6	1.2 1.7 1.6 1.6 1.6	£; 6; 4; £; 4;	£. 6
	3.8 8.4 4.0 3.7 5.4	3.8 8.4 4.0 9.9.4 8.9	2.4 1.8 2.0 3.0	2.2.2 2.2.2 3.3.3.3	2.2 4.2 4.3 7.1 7.1 7.1 7.1	2.1 2.4 4.1 4.1 4.1	1.5 1.4 1.8 1.6 1.6	1.5 1.4 1.7 1.5 1.6	9.6 8.2 7.8 7.8	9.6 8.9 8.1 7.9 7.7

^{1.} Level, except for two-quarter and four-quarter intervals.

2. Percent change from two quarters earlier; for unemployment rate, change is in percentage points.

3. Percent change from four quarters earlier; for unemployment rate, change is in percentage points.

Greensheets
Changes in Real Gross Domestic Product and Related Items
(Percent, annual rate except as noted)

	2013¹ 2014¹	2.6 3.5 2.4 3.2	2.5 3.5 2.1 3.1 3.2 4.3 2.9 4.0	2.8 2.4 3.4 8.1 8.1 1.9 2.2 3.0		3.8 4.2 4.2 5.1 5.1 7.2 7.2 7.2 7.2 7.2 7.2 7.3		-1.5 -1.5 -1.1 -4.2 -4.9 -2.7 -2.9 -2.9 -2.9 -2.9	69 78 92 107 62 73
	20121	1.8	2.0 1.8 2.7 2.5	2.3 2.2 7.8 2.0 1.6	14.2 10.9	2.3 2.8 3.0 1.0 2.0	-411 -409 2.9 2.2	-1.2 -1.6 -1.8 -2.3 9	49 53 63 -12
	20111	2.0	1.7 1.7 2.9 2.9	1.9 1.9 5.9 1.4 1.5	3.9	10.2 10.2 11.4 11.4 6.9 6.9	-408 -408 4.3 3.5	£. £. 4. 4. 4. 4. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6.	31 31 36 -4
	Q4	3.1	3.0 2.5 4.1 3.6	3.5 3.0 9.8 2.6 2.8	15.2 12.6	5.2 5.9 6.1 7.3 3.0 2.6	408 423 5.3 5.4	4.1- 4.1- 4.3- 1.5- 4.3	70 97 63
2013	Q3	3.0	3.2 2.7 4.0 3.5	3.4 2.8 10.1 2.3 2.7	15.6 12.4	5.2 6.1 6.1 7.5 7.5 7.5 7.5	402 414 5.0 3.4	4.1- 4.4.4.4.8.8.5.	64 87 57
20	Q2	2.5	2.2. 4.2. 5.8. 6.8.	3.0 2.8 10.4 1.8 2.3	14.9 12.0	6.4.4.6.6.6.6.6.6.6.6.6.6.6.6.6.6.6.6.6	-406 -414 5.3 3.8	2.1.5 4.3 5.1.6 7.2.7	69 90 61
	Q1	1.8	1.0 8. 1.4 1.3	1.1 1.1 2.3 .9 1.0	13.4 10.5	0.1 9. 0.1 9. 6. 4.1	-409 -412 4.8 3.1	2.1.5 -1.5 -2.7.7	74 94 68 7
	Q4	2.0	2.1 3.1 2.2	3.1 2.2 12.4 2.7 1.7	13.9	8. 1.5 2.0 2.0 -2.2 .5	-413 -411 3.5 4.1	-1.6 -1.1 -4.2 -4.9 -2.7	48 54 67 -19
112	Q3	2.0	1.9 1.4 2.1 2.1	2.3 2.3 8.0 2.9 1.3	14.3 9.7	-2.5 -1.0 -1.0 .7 .6.1 -5.0	-406 -405 -1.3	.6. 1.7. 1.4. 1.2. 2.4. 0.	48 47 67 -19
201	Q2	1.3	1.7 1.9 1.9 2.0	1.5 1.7 2 2.1	8.5 4.8	8.8. 9.8. 1.8. 6. 7.	407 405 5.3 2.8	7 7 2 1.0	41 53 -8
	Q1	2.0	2.2. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8.	2.4 2.4 11.5 1.6 1.3	20.5	7.5 7.5 5.4 5.4 12.9 12.9	416 416 4.4 3.1	-3.0 -3.0 -4.2 -7.1 -2.2	57 57 62 -3
	Q4	4.1	1.5 3.2 3.2	2.0 2.0 13.9 1.8 .3	12.1	9.5 9.5 8.8 8.8 11.5	-418 -418 1.4 4.9	-2.2 -2.2 -4.4 -10.6 10.2	71 71 74 -2
2011	Q3	1.3	2.3 3.6 3.6	7.1 7.1 4 8.1	1. T. 4.	19.0 19.0 18.3 18.3 20.7	-398 -398 6.1 4.7	-2.9 -2.9 -2.9 -17.4 -2.0	44 - 6
	Q2	2.5	2.2. 4.2. 2.5. 2.5.	1.0 1.0 -2.3 3	4.1.	14.5 14.5 7.8 7.8 35.2 35.2	-400 -400 -4.1	8 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8.	28 28 36 -6
	Item	Real GDP Previous Tealbook	Final sales Previous Tealbook Priv. dom. final purch. Previous Tealbook	Personal cons. expend. Previous Tealbook Durables Nondurables Services	Residential investment Previous Tealbook	Business fixed invest. Previous Tealbook Equipment & software Previous Tealbook Nonres. structures Previous Tealbook	Net exports 2 Previous Tealbook 2 Exports Imports	Gov't. cons. & invest. Previous Tealbook Federal Defense Nondefense State & local	Change in bus. inventories ² Previous Tealbook ² Nonfarm ² Farm ²

1. Change from fourth quarter of previous year to fourth quarter of year indicated. 2. Billions of chained (2005) dollars.

Greensheets

Changes in Real Gross Domestic Product and Related Items (Change from fourth quarter of previous year to fourth quarter of year indicated, unless otherwise noted)

Item	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Real GDP Previous Tealbook	2.8	2.2. 4.4.	2.2	6.6. 6.6.	<u>.</u>	2.2. 4.4.	2.0	1.8	2.6	3.5
Final sales Previous Tealbook Priv. dom. final purch. Previous Tealbook	2.2 3.2 3.2 3.2	2.2.2.2. 8.8.4.4	2.2. 4.2. 2.1. 2.1.	5.5. 6.5. 6.5. 7. 7. 8.5. 8.5.		1.7 1.7 3.2 3.2	1.7 1.7 2.9 2.9	2.0 1.8 2.7 2.5	2.5 2.1 3.2 2.9	3.5 3.1 4.3 4.0
Personal cons. expend. Previous Tealbook Durables Nondurables Services	22.28 23.28 23.1 23.1	3.2 3.2 7.0 2.9 2.6	1.7 1.7 4.6 8.8 1.4	-2.5 -2.5 -13.0 -3.1	3 3.0 4.	2.9 2.9 3.0 1.9	1.9 9.1 9.5 4.1 5.1	2.3 7.8 7.8 1.6	2.8 8.1 8.1 2.2 2.2	2.8 7.8 9.9 9.0 0.0 0.0
Residential investment Previous Tealbook	5.3	-15.7 -15.7	-20.7 -20.7	-24.4 -24.4	-13.3 -13.3	-5.7	3.9 3.9	14.2 10.9	14.8 11.9	13.2 12.4
Business fixed invest. Previous Tealbook Equipment & software Previous Tealbook Nonres. structures Previous Tealbook	4.5 6.2 6.2 6.2 1	7.8 7.8 6.0 6.0 13.0 13.0	7.9 7.9 3.9 3.9 17.3 17.3	-9.4 -9.4 -13.6 -1.2 -1.2	-15.7 -15.7 -7.8 -7.8 -29.4	7.7 7.7 11.9 11.9 -1.8	10.2 10.2 11.4 11.4 6.9 6.9	2.3 2.8 3.0 2.0 2.0	8.4.4.6.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2	6.0 5.7 7.5 7.2 2.3
$egin{aligned} & ext{Net exports}^1 \ & ext{$Previous Tealbook}^1 \ & ext{Exports} \ & ext{Imports} \end{aligned}$	-723 -723 6.7 5.2	-729 -729 10.2 4.1	-649 -649 10.1	-495 -495 -2.5 -5.9	-355 -355 .3 -6.1	-420 -420 8.8 10.9	-408 -408 4.3 3.5	-411 -409 2.9 2.2	406 416 5.1 3.9	-411 -430 6.2 5.0
Gov't. cons. & invest. Previous Tealbook Federal Defense Nondefense State & local	L. L. 1. 2. 4. 6. 4.	2.2 2.4 2.2 2.1 2.1 2.1	1.9 1.9 3.1 2.6 1.2 1.2	2.5.8.9.9. 7.5.8.8.9.9.	4.0 6.1 7.1 7.2 7.3 3.3	-1.3 -1.3 2.3 1.0 5.2 -3.6	&& 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	-1.5 -1.6 -1.8 -2.3 9	21.1. 2.2.4.4.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.	1.1- 1.2- 1.2- 1.2- 1.2- 1.3- 1.3- 1.3- 1.3- 1.3- 1.3- 1.3- 1.3
Change in bus. inventories¹ Previous Tealbook¹ Nonfarm¹ Farm¹	50 50 50 0	59 59 63 -4	28 28 29 -1	-36 -36 -38 -38	-139 -139 -138 -1	51 51 58 -6	31 31 36 -4	49 53 63 -12	69 92 62 7	78 107 73 5

1. Billions of chained (2005) dollars.

Greensheets

Contributions to Changes in Real Gross Domestic Product (Percentage points, annual rate except as noted)

	20141	3.5	3.4 3.1 3.6 3.3	2.2. 4. 8. 8. 4.1.	4 w	66 60 1 -	0. 0. 6. 6.	44 6411	0. 1. 0.
	20131	2.6	2.5 2.1 2.7 2.5	2.0 1.7 .6 .3 1.0	4 w	4 4 6 4 ri ri	0. 7. 7.		úü 0'ü
	20121	1.8	2.0 1.8 2.2 2.1	1.7 1.5 1.5 8.	ώ c i	úü úú ó i	0.0.4.4.		5
	20111	2.0	1.7 1.7 2.4 2.5	1. 1. 4. 4. 4. 6. 7.	-: -:	0.1 0.8 8.8 2.5 2.5	0.0.0.6.		ωω
	49	3.1	3.0 2.5 3.4 3.0	2.5 2.1 8 8	4 ú	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	5 5 6.	&& & & \display	úú 40
13	Q3	3.0	3.1 2.7 3.3 2.9	2.0 2.0 8. 4. 1.3	4 w	<i>c</i> i <i>o</i> i <i>4 c</i> i	5	6.6.6.1.0	1. 1. 0.
201	Q2	2.5	2.7 2.9 2.7	2.2 2.0 2.0 .8 .3	4 w	4 70 60 47 11 11	ı: <u>ı</u> :	<i>& & & & & & & & & &</i>	5. 1. 5. 0.
	Q1	1.8	1.0 .8 1.2 1.1	≈ ≈ 51 – i ~ i	ώ <i>G</i> i		1.0.7.6.	<i>& & & & A A A A A A A A A B A A A A A A A A A A</i>	8: 1.2 0. C.
	04	2.0	2.1 1.4 2.6 1.9	2.2. 1.6 6. 4.8 8.	с: -:	2 0.	5	£. 5. £. £. £. 0.	0.4.00
12	Q3	2.0	1.9 1.4 1.7 1.8	1.7 1.7 .6 .5	ώ. <i>i</i>	5. 1	0.0.2.2	i & i 5 i o	-: -: <i>z</i> : <i>c</i> :
2012	Q2	1.3	1.7 1.9 1.6 1.7	1.1 1.2 .0 .1.0	44	4 & 4 & 0 0	51 to 12 to 15	1 0. 0. 0. 1.	¿; ¿; ¿;
	Q1	2.0	22.2 44.0 9.0	1.7 1.7 9. 8.	4.4.	L'L' 4'4' 4'4'	1.1. 6.4.	6. 6. 6. 4. 1. 6.	4440
	49	1.4	1.6 1.6 2.7 2.7	1.5 1.0 1.0 2.2	ui ui	σο ό ό ό ώ ώ	6. 5. 6. 6. 5. 6.	4. 4. 4. 9. c. 1.	2.5 2.5 2.5 1.
2011	03	2.1.3	2.3 2.9 2.9	1.2 4 4 9.	0.0.	7:1 7:1 7:2 7:3 7:3 7:3 7:3 7:3 7:3 7:3 7:3 7:3 7:3	0.0 % %	6 4 4 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	1.1-1.1
	Q2	2.5	2.5 2.1 2.1	r. r. 5.1. 9.	- : - :	2. 1. 1. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2.	~ v ~ v ~ o		0.0.0.0
	Item	Real GDP Previous Tealbook	Final sales Previous Tealbook Priv. dom. final purch. Previous Tealbook	Personal cons. expend. Previous Tealbook Durables Nondurables Services	Residential investment Previous Tealbook	Business fixed invest. Previous Tealbook Equipment & software Previous Tealbook Nonres. structures Previous Tealbook	Net exports $Previous\ Tealbook$ Exports Imports	Gov't. cons. & invest. Previous Tealbook Federal Defense Nondefense State & local	Change in bus. inventories Previous Tealbook Nonfarm Farm

1. Change from fourth quarter of previous year to fourth quarter of year indicated.

		2011			201	12			201	5					
Item	Q2	Q3	Q4	Q1	Q2	Q3	40	Q1	Q2	Q3	Q4	20111	20121	20131	20141
GDP chain-wt. price index Previous Tealbook	2.6	3.0	4.4.	2.0	1.6	3.0	2.1	1.0	1.5	1.3	1.3	2.0	2.2	1.3	1.4
PCE chain-wt. price index Previous Tealbook Energy Previous Tealbook	3.6 3.6 20.5	2.3 2.3 7.4	1.1	2.5 8.1 8.1	.7 .7 .13.6	1.7	2.1 1.7 11.6	.9 1.2 -10.7	4.1 1.5 4.0 4.0 4.0	1.4 1.4 2.6 5.6	1.3	2.5 2.5 11.9	1.7	£.1. 4. 4. 7. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4.	4.1. 4.2. 5.3.
Food Previous Tealbook	6.0	5.1	 	1.3	<u> </u>	6. 4.	3.5	3.5	3.5 3.4	22.2	1.0	5.1	1.3	4.22	1.0 9.
Ex. food & energy Previous Tealbook Ex. food & energy, market based Previous Tealbook	22.33	1.9	£.1. 5.1. 5.1. 5.1. 5.1. 5.1. 5.1. 5.1.	22 22 22 25	1.8	5:11	4.1.1.2.1.4	1.6	1.6	1.6	1.6	1.7	1.6	1.6	1.7
cPI Be Previous Tealbook Ex. food & energy p Previous Tealbook	44 99 44 44	3.1 3.1 2.5 2.5	1.3 1.9 1.9	2.5 2.1 2.1	2.6 2.6 3.8	2.3 2.5 1.5 1.8	2.9 2.1 1.7 1.8	.8 1.2 1.7 1.7	1.5 1.6 1.7	4:1.4 4:1.7 7:1.7	1.3 1.3 1.7	25. 25. 25. 25. 25.	2.1 2.0 2.0 2.1	2.1. 4.1. 7.1.	1.4 1.3 1.7
ECI, hourly compensation ² Previous Tealbook ²	3.2	1.1 4.4.	2.1	1.7	2.1	2.3	2.2 4.2	2.5	2.6	2.7	2.7	2.2	2.1	2.6	2.9
Nonfarm business sector Output per hour Previous Tealbook Compensation per hour Previous Tealbook	11.2	6660	2.8		2.2 3.5 7.5	1.6	r. ≈. 4. c.	4. 0. 5. c.	1.7	1.3	112 2.5 8.9 8.0	9 6 0. 0. 0	0.8 E. E.	1.3	3.1
Unit labor costs Previous Tealbook	-1.3 -1.3	9. 9.	. 6.6. 6.6.	6.4 4.4	1.6	.6	1.7	2.2	1.0	1.1	2.8 1.6 1.6	5.1.1.5.4.4.	2.6	5.1.	5:1.
Core goods imports chain-wt. price index ³ Previous Tealbook ³	7.2	2.3	9:-	5	1:2	-3.4	1.6	1.8	1.1	1.4	1.3	4.4 6.5	5.6.	1.1	1.5
		-			-										

Change from fourth quarter of previous year to fourth quarter of year indicated.
 Private-industry workers.
 Core goods imports exclude computers, semiconductors, oil, and natural gas.

Greensheets

Change from fourth quarter of previous year to fourth quarter of year indicated, unless otherwise noted)

Item	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
GDP chain-wt. price index Previous Tealbook	3.5	2.9	2.6 2.6	2.1	n'i n'i	1.8	2.0	2.2	1.3	1.4
PCE chain-wt. price index Previous Tealbook Energy Food Previous Tealbook Ex. food & energy Ex. food & energy Previous Tealbook Ex. food & energy Previous Tealbook Ex. food & energy Previous Tealbook	3.2 21.5 21.5 21.5 1.5 2.0 2.0 2.0	2.2 2.3 2.3 2.3 2.3 2.3 2.3 2.3	3.5 19.3 19.3 19.3 4.7 4.7 2.4 2.4 2.4	-8.8 -8.8 -8.8 -7.0 7.0 7.0 2.0 2.0	4.1. 2.2.2. 7.1. 7.1. 9.1. 1.6. 1.1. 1.1. 1.1. 1.1. 1.1. 1	1.5 6.5 6.5 6.5 6.5 1.3 1.2 1.2 7.7	2.5 2.5 11.9 11.9 5.1 5.1 1.7 1.7	1.7 1.7 3.6 1.4 1.3 1.7 1.6 1.6 1.7	£ 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4.	4.1. 2.2. 2.2. 2.2. 7.1. 6.1. 6.1. 6.1. 6.1. 6.1. 6.1. 6.1
CPI $Previous\ Tealbook$ Ex. food & energy $Previous\ Tealbook$ ECI. hourly compensation ¹	3.3.7 2.1 2.9	2.00 2.70 2.77 2.20	2.3 2.3 2.3 0.6	1.6 1.6 2.0 2.0 4.	2.1 7.1 7.1 7.1 7.1	1.2 1.2 1.2 6.	88 22 2 88 22 2	2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2	1.2 1.4 1.7 1.7 2.6	1.3 1.3 1.8 1.7
Nonfarm business sector Output per hour Previous Tealbook Compensation per hour Previous Tealbook Unit labor costs Previous Tealbook	25.7 1.6 3.5 3.5 1.9 1.9		2.5 2.5 3.6 3.6 1.1 1.1		5.6 5.6 5.6 1.5 1.5 2.3 3.9 6.6 3.9	1.8 1.8 1.6 1.6	. 6 . 6 . 6 . 6 . 6 . 7 . 7 . 7 . 7	9.8.8.8.8.9.9.9.9.9.9.9.9.9.9.9.9.9.9.9	2.5 2.7 1.3 2.7 1.5 1.5 1.5	2.5 1.6 1.6 3.1 3.0 1.5 1.5
Core goods imports chain-wt. price index ² Previous Tealbook ²	2.2	2.5	2.9	3.7	-1.7	2.7	4.3 5.3	5.5.	1.1	1.5

1. Private-industry workers.
2. Core goods imports exclude computers, semiconductors, oil, and natural gas.

Other Macroeconomic Indicators

		2011			201	12		-	201	[3					
Item	Q2	03	90	Q1	02	03	Q4	Q1	Q2	63	9	20111	20121	20131	20141
Employment and production Nonfarm payroll employment ²	9.	ι:	٨	۲.	£.	4.	4:	4.	4.	, vi	9.	1.8	1.8	2.0	2.9
Unemployment rate ³ $P_{\text{maximage } T_{\text{off}}}$	9.1	9.1	8.7	8.5	8.2	8.1	8.0	8.0	8.0	7.9	7.8	8.7	8.0	7.8	7.2
Notimal acts of manufactures	7.1	7.1	0.7	7.0	7.0	6.0	6.0	7.0	7.0	0.1	0.0	/.0	6.0	0.0	0.7
Natural rate of unemployment Previous Tealbook ³	6.0 6.0	6.0 6.0	6.0 6.0	0.9	0.0 6.0	0.9	0.9	6.0 6.0	0.9	6.0 6.0	0.0	6.0 6.0	6.0 6.0	0.0	0.9 6.0
$GDP gap^4$	-4.6	4.6	4.0	-4.0	-4.1	-4.1	-4.0	-4.1	-3.9	-3.7	-3.4	-4.0	-4.0	-3.4	-2.0
$Previous\ Tealbook^4$	4.9	-5.0	4.4	4.4	4.4	-4.5	-4.6	-4.6	-4.5	-4.3	-4.1	4.4	-4.6	4.1	-3.1
Industrial production ⁵	1.2	5.6	5.1	5.9	2.6	4.6	2.8	5.0	3.7	3.4	3.6	4.1	2.7	4.0	3.9
Frevious Lealbook ³ Manufacturing industr. prod. ⁵		5.1	5.6	8.6 8.8	1.0	1.2 9	4.8 1.6	4.1 4.0	3.7	3.6	3.1 4.0	4.4 1.2.	2.5 2.8 3.9	2.00 2.00	v. 4.
Previous Tealbook ⁵ Canacity utilization rate - mfr ³	2. 2. 47.	5.1	5.6	9.7	1.0	1.9	2.8	2.6	2.7	3.1	3.5	4.2	3.8	3.0	3.9
Previous Tealbook ³	74.4	75.2	76.1	77.6	77.5	77.6	77.8	78.0	78.2	78.4	78.7	76.1	77.8	78.7	79.9
Housing starts ⁶ Light motor vehicle sales ⁶	.6	.6 12.6	.7 13.4	.7 14.2	.7 14.1	.8 14.5	9.	.9 14.9	$\frac{1.0}{15.1}$	1.0	1.1	.6 12.7	8. 4.41	$\frac{1.0}{15.2}$	1.2
Income and carina															
Nominal GDP ⁵	5.2	4.3	4.2	4.2	2.8	5.2	4.3	2.8	4.0	4.4	4.5	4.0	4.1	3.9	5.0
Real disposable pers. income ⁵ Previous Tealbook ⁵	-1.5	-1.3 5.1.3		3.7	3.1	2.0	2.3	-1.6	3.0	3.6	3.7	wi wi	2.7	2.2	4.8 5.2 5.
Personal saving rate ³	4.6	3.9	4.6	3.6	4.0	4.0	3.8	3.1	3.1	3.1	3.1	3.4	3.8	3.1	3.5
Previous Tealbook ³	4.6	3.9	3.4	3.6	4.0	3.9	4.1	3.5	3.5	3.6	3.7	3.4	4.1	3.7	3.8
Corporate profits ⁷ Profit share of GNP ³	19.3	6.7	29.6 12.5	-10.4	4.7	4.2	7 12.0	-5.1	-3.6	8 11.4	7	9.2	8 12.0	-2.5 11.3	6 10.7
Net federal saving ⁸ Net state & local saving ⁸	-1,308 -75	-1,232	-1,183	-1,059 -128	-1,106	-1,053	-1,084	-826 -100	-795 -80	-772 -72	-750 -62	-1,237	-1,075	-786 -79	-665 -44
Gross national saving rate ³ Net national saving rate ³	11.8	11.8	12.4	12.4	12.5	12.8	12.2	12.6	12.7	12.7	12.8	12.4	12.2	12.8 .4	13.3
1 01		1010000	-	J. 30 8-4		-	-		-						

Change from fourth quarter of previous year to fourth quarter of year indicated, unless otherwise indicated.
 Change, millions.
 Percent; annual values are for the fourth quarter of the year indicated.
 Percent difference between actual and potential GDP; a negative number indicates that the economy is operating below potential.
 Annual values are for the fourth quarter of the year indicated.

5. Percent change, annual rate.
6. Level, millions; annual values are annual averages.
7. Percent change, annual rate, with inventory valuation and capital consumption adjustments.
8. Billions of dollars; annual values are annual averages.

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(Change from fourth quarter of previous year to fourth quarter of year indicated, unless otherwise noted) Other Macroeconomic Indicators

Item	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Employment and production Nonfarm payroll employment¹ Unemployment rate² Previous Tealbook² Natural rate of unemployment² Previous Tealbook² GDP gap³ Previous Tealbook³	4.2.0.2.0.2.0.2.0.2.0.2.0.2.0.2.0.2.0.2.	2444 20.00 1. 244 20.00 20.00 80.80	2.1 2.4.8.8.8.9 5.0 8.8.8.8.8.8	2.0 6.0 6.0 6.0 6.0 7.4 7.4 7.4	6.0 6.0 6.0 6.0 6.0 7.7.7.	8. 9.6 9.6 0.0 4.4.4 7.7.4	8.1. 8.7. 8.7. 8.7. 6.0 6.0 6.0 4.4.	8.1 8.3 8.3 8.0 6.0 6.0 6.0 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4	2.0 7.8 8.0 8.0 6.0 6.0 -3.4 -4.1	2.9 7.2 7.6 6.0 6.0 -2.0 -3.1
Industrial production ⁴ Previous Tealbook ⁴ Manufacturing industr. prod. ⁴ Previous Tealbook ⁴ Capacity utilization rate - mfg. ² Previous Tealbook ²	2.2.8.8.8 8.4.4.4.4	2.1 2.1 1.8 1.8 78.2 78.2	25.5 25.8 25.8 25.8 25.8	-9.0 -9.0 -11.8 -11.8 69.7	-5.7 -6.5 -6.5 -6.5 67.0 67.0	6.3 6.3 6.5 73.1 73.1	4.1 4.2 4.2 76.1 76.1	2.8 2.8 3.8 7.77 7.3	4.0 3.3 3.8 3.0 7.8.7 7.8.7	3.9 3.5 3.9 80.1 79.9
Housing starts ⁵ Light motor vehicle sales ⁵	2.1	1.8	1.4	.9 13.1	.6 10.4	.6 11.5	.6	8. 14.4	1.0	1.2
Income and saving Nominal GDP4 Real disposable pers. income4 Previous Tealbook4 Personal saving rate2 Previous Tealbook2	6.4 .6 .6 .1.6	6 4 4 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	4.9 1.6 2.5 2.5 3.5	-1.2 1.0 1.0 6.2 6.2	4. 6. 6. 6. 7. 6. 6. 7. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6.	4 6.6. 4.4 6. 7.6. 8.8.	0.4 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6	4.1 2.9 3.8 4.1	3.9 2.2 3.1 3.1 3.1	6. 4. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6.
Corporate profits ⁶ Profit share of GNP ² Net federal saving ⁷ Net state & local saving ⁷	19.6 11.8 -283 26	3.7 11.6 -204 51	-8.1 10.1 -245 12	-33.5 6.8 -613 -72	57.0 10.7 -1229 -113	17.3 12.0 -1308 -90	9.2 12.5 -1237 -102	8 12.0 -1075 -120	-2.5 11.3 -786 -79	6 10.7 -665 -44
Gross national saving rate ² Net national saving rate ²	15.6	16.5	13.9	12.6	11.0	12.1	12.4	12.2	12.8	13.3

4. Percent change.
5. Level, millions; values are annual averages.
6. Percent change, with inventory valuation and capital consumption adjustments.
7. Billions of dollars; values are annual averages.

Change, millions.
 Percent; values are for the fourth quarter of the year indicated.
 Percent difference between actual and potential GDP; a negative number indicates that the economy is operating below potential.
 Values are for the fourth quarter of the year indicated.

Staff Projections of Federal Sector Accounts and Related Items (Billions of dollars except as noted)

4	Q3 Q4						-82 -256				0 0 -20 -20	70 70							2,892 2,941			-645 -643		-503.9 -521.9	.0 0.	5 4 5
2014	Q2		922	894	28	17	-17	45		φ	-20	70		3.199	3,865	1,018	673	345	2,847	-666	147	-658		-498.5	0.	9:-
	٥ <u>١</u>	-	626	920	-294	-291	-272	-22		314	-20	70		3.159	3,837	1,025	829	347	2,813	-6/8	247	-674		-496.1	£	9
	Q4	 	677	910	-233	-232	-255	23		253	-20	70	ıl rates –	3.052	3,803	1,031	684	348	2,772	-750	14/	-749		-536.1	-:1	∞. ∞.
2013	63	ally ading	837 712 (840	-128	- 144	96-	-32		148	-20	70	sted annua	3.014	3,786	1,038	689	349	2,747	-772	149	-774		-548.9	1	e e
20	Q2	Not season	837	863	-26	-34	-73	47		101	-55 -20	70	Seasonally adjusted annual rates	2.976	3,770	1,045	694	351	2,725	-795	101	-800		-565.2	2	-1.1 - <i>I</i> .1
	Q1		570	988	-317	-328	-298	-19		307	30	15	- Seasoi	2.943	3,768	1,052	200	352	2,716	-826	154	-835		-596.1	-1.7	-2.0
	Q4		587	912	-324	-331	-330	9		275	9 6	45		2.713	3,797	1,054	702	352	2,743	-1,084	130	-1,096		6.778-	.1	 5
2012	63	-	625	810	-185	-202	-160	-25		230	6 -51	85		2.681	3,734	1,060	707	353	2,674	-1,053	138	-1,068		-853.1	3	3 6
20	Q2ª		092	885	-125	-125	-187	62		198	-25	91		2.669	3,775	1,055	701	354	2,720	-1,106	130	-1,121		-899.2	ĸ:	F 7
	Q1ª		509	996	-457	-457	-458	1		398	42 17	43		2.665	3,724	1,056	703	352	2,668	-1,059	761	-1,071		-851.2	8.	7
	2015		3,230	3.784	-554	-597	-556	2		634	0 08-	70		3.400	3,993	1,001	099	340	2,992	-593	/81	-575		-482.3	2	£. 2.
l year	2014		2,981	3.598	-617	-638	-627	10		269	08-	70		3.164	3,852	1,021	675	346	2,831	-688	<u> </u>	-681		-508.7	6	¿.
Fiscal year	2013		2,705	3.501	-795	-837	-798	3		832	15 -52	70		2.911	3,780	1,047	269	351	2,733	-869	661	-876		-647.0	-1.7	-1.2 -1.2
	2012 ^a		2,449	3.538	-1,089	-1,106	-1,151	62		1,152	-27 -36	85		2.637	3,737	1,056	704	352	2,682	-1,100	130	-1,116		-892.5	-1.1	9:-
	Item	I miffed hudaet	Receipts ¹	Outlays ¹	Surplus/deficit ¹	Previous Tealbook	On-budget	Off-budget	Means of financing	Borrowing	Cash decrease Other ²	Cash operating balance, end of period	NIPA federal sector	Receipts	Expenditures	Consumption expenditures	Defense	Nondefense	Other spending	Current account surplus	Gross anvestment Gross saving less gross	investment ³	Fiscal indicators ⁴ High-employment (HEB)	surplus/deficit	Change in HEB, percent of potential GDP	Fiscal Impetus (FI), percent of GDP Previous Tealbook

^{1.} Budget receipts, outlays, and surplus/deficit include corresponding social security (OASDI) categories. The OASDI surplus and the Postal Service surplus are excluded from the on-budget surplus and shown separately as off-budget, as classified under current law.

Greensheets

^{2.} Other means of financing are checks issued less checks paid, accrued items, and changes in other financial assets and liabilities.

3. Gross saving is the current account surplus plus consumption of fixed capital of the general government as well as government enterprises.

4. HEB is gross saving less gross investment (NIPA) of the federal government in current dollars, with cyclically sensitive receipts and outlays adjusted to the staff's measure of potential output and the natural rate of unemployment. The sign on Change in HEB, as a percent of nominal potential GDP, is reversed. FI is the weighted difference of discretionary changes in federal spending and taxes in chained (2005) dollars, scaled by real GDP. The FI estimates are calendar year contributions to Q4/Q4 real GDP growth. Also, for FI and the change in HEB and FI are not at annual rates.

Quarterly figures for change in HEB and FI are not at annual rates.

a Actual.

Change in Debt of the Domestic Nonfinancial Sectors

			Households					
Period1	Total	Total	Home	Consumer	Business	State and local governments	Federal government	Memo: Nominal GDP
Year	o v	,	v	•	19	7		-
2009	y	-1.7	. <u>-</u> . 4	o. 4	-2.3	7. 6.8	22.7	2:1- 4:
2010	4.1	-2.2	-2.9	-1.2	i ∞:	2.2	20.2	÷.4
2011	3.6	-1.6	-2.3	3.4	4.7	-1.9	11.4	4.0
2012	4.4	9.	-1.6	5.8	4.3	2	10.7	4.1
2013	4.0	2.3	6:	6.7	3.9	9:	7.0	3.9
2014	3.8	2.5	6:	7.5	4.0	6:	5.7	5.0
2015	3.7	2.8	1.2	7.5	4.0	1.0	8.4	5.3
Quarter								
2011:1	2.5	-2.0	-2.6	2.6	3.7	-2.8	9.1	2.2
2	2.6	-2.7	-2.4	3.1	5.2	-2.6	8.2	5.2
33	4.3	-1.7	-1.8	1.9	4.2	2	13.7	4.3
4	4.9	1.	-2.5	5.9	5.3	-2.1	12.7	4.2
2012:1	4.5	6	-3.3	5.7	3.8	-1.2	13.7	4.2
7	4.8	1.3	-2.1	6.5	3.9	∞.	10.9	2.8
æ	3.6	z.	6	4.5	5.1	6:-	6.7	5.2
4	4.7	1.5	0.	0.9	4.3	εċ	6.6	4.3
2013:1	4.3	2.0	6.	5.4	4.1	9:	8.0	2.8
2	4.1	2.4	1.0	9.9	3.8	9:	7.3	4.0
В	3.0	2.4	6:	7.0	3.7	9:	3.5	4.4
4	4.5	2.4	∞.	7.2	3.8	9:	8.5	4.5
2014:1	4.3	2.4	7.	7.3	3.9	6:	7.7	4.9
2	3.1	2.4	∞.	7.3	3.9	6:	3.3	5.0
8	3.0	2.5	6.	7.3	4.0	6:	3.0	5.0
4	4.6	2.6	1.0	7.3	4.1	6.	8.1	5.1

Note: Quarterly data are at seasonally adjusted annual rates.

1. Data after 2012:Q1 are staff projections. Changes are measured from end of the preceding period to end of period indicated except for annual nominal GDP growth, which is calculated from Q4 to Q4.

Flow of Funds Projections: Highlights

(Billions of dollars at seasonally adjusted annual rates except as noted)

(Billions of dollars at seasonally adjusted annual rates except as noted.)	2012 2013 2014	2014 2015 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4	1216.3 1221.0 958.5 1481.3 1376.3 1312.5 875.0 1501.8 1433.9 920.3 911.8 1599.1 -360.0 -360.0 -340.0 -340.0 -340.0 -340.0 -360.0 -360.0 -360.0 -360.0 1576.3 1581.0 1389.8 1841.3 1716.3 1652.5 1215.0 1841.8 1793.9 1280.3 1271.8 1959.1	247.3 243.8 248.5 248.4 249.5 249.7 249.2 248.8 248.5 247.8 246.6 245.9 9.2 8.8 8.8 11.5 10.7 10.2 7.4 11.1 10.7 7.5 7.4 11.3	334.8 387.5 62.1 192.2 264.7 308.0 314.1 314.9 312.9 327.4 342.0 356.8 82.3 117.4 -86.3 0.0 86.1 95.9 86.5 77.1 67.6 77.4 87.2 97.1 221.6 238.1 122.6 165.7 151.2 184.8 199.5 208.9 215.6 219.6 223.5 227.6 103.7 101.6 108.0 107.1 107.2 106.5 105.8 104.8 104.1 103.3 102.7	223.1 263.0 -146.8 -119.4 2.3 32.7 61.4 99.9 195.1 222.9 237.5 236.9 -360.0 -360.0 -34	25.9 29.9 -25.6 9.9 17.9 17.9 17.9 17.9 25.9 25.9 25.9 25.9 25.9 25.9 21.7 262.1 123.6 133.0 144.3 166.4 176.1 188.3 187.4 209.7 219.2 230.7	700.7 630.6 745.5 1118.7 930.6 858.1 418.8 1028.5 957.0 422.3 378.9 1044.6 700.7 630.6 229.8 275.3 307.5 100.6 148.1 252.8 314.1 -8.3 138.1 256.8 620.7 550.6 185.1 324.3 316.9 25.8 128.1 232.8 294.1 -28.3 118.1 236.8	642.7 699.0 547.1 527.0 552.8 547.4 565.0 585.7 608.2 632.1 645.3 685.1
(B1)		2013	1266.4 -340.0 1606.4	249.3 9.8	300.4 86.4 186.1 106.9	49.1 -340.0 479.1	17.9	809.0 809.0 703.6	562.7
		2012	1296.4 -398.1 1694.5	248.5 10.8	74.2 -153.7 152.5 108.6	-106.1 -398.1 508.8	-7.3 146.3	1101.6 1101.6 1091.9	426.2
		Category	Domestic nonfinancial sectors Net funds raised Total Net equity issuance Net debt issuance	Borrowing indicators Debt (percent of GDP) Borrowing (percent of GDP)	Households Net borrowing ² Home mortgages Consumer credit Debt/DPI (percent) ³	Business Financing gap ⁴ Net equity issuance Credit market borrowing	State and local governments Net borrowing Current surplus ⁵	Federal government Net borrowing Net borrowing (n.s.a.) Unified deficit (n.s.a.)	Depository institutions Funds supplied

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Note: Data after 2012:Q1 are staff projections.

Average debt levels in the period (computed as the average of period-end debt positions) divided by nominal GDP.
 Includes change in liabilities not shown in home mortgages and consumer credit.
 Average debt levels in the period (computed as the average of period-end debt positions) divided by disposable personal income.
 For corporations, excess of capital expenditures over U.S. internal funds.
 NIPA state and local government saving plus consumption of fixed capital and net capital transfers.
 Not seasonally adjusted.

Greensheets

Foreign Real GDP and Consumer Prices: Selected Countries (Quarterly percent changes at an annual rate)

									Pro	Projected		
		201	11			2012	12			20	2013	
Measure and country	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Real GDP 1												
Total foreign	3.5	2.4	3.8	1.6	3.2	2.2	2.0	2.1	2.4	2.7	3.0	3.2
Previous Tealbook	3.5	2.3	3.9	I.6	3.2	2.3	2.3	2.3	2.5	2.7	2.9	3.1
Advanced foreign economies	1.6	0:	3.1	4.	1.5	9:	7.	9:	6:	1.1	1.5	1.8
Canada	3.6	-1.0	4.5	1.9	1.8	1.8	1.9	1.8	1.7	1.8	2.2	2.5
Japan	-7.9	-1.3	6.9	κi	5.3	7.	-1.0	4.	6:	1.2	1.3	1.6
United Kingdom	2.0	κi	2.1	-1.4	-1.2	-1.5	2.4	κi	1.1	1.5	2.0	2.1
Euro area	2.6	6:	ĸ.	-1.3	0.	<i>L</i>	∞	-1.0	5	0:	4.	∞.
Germany	5.0	1.8	1.5	9	2.0	1:1	0.	£	0.	ı.	∞.	1.4
Emerging market economies	5.6	4.9	4.6	2.8	5.0	3.9	3.4	3.6	4.1	4.5	4.6	4.7
Asia	7.6	5.1	5.0	2.5	5.7	4.5	4.2	4.2	4.7	5.3	5.6	5.7
Korea	5.3	3.4	3.4	1.3	3.5	1.1	2.2	2.3	2.8	3.6	3.8	4.0
China	9.1	10.0	9.5	7.8	9.9	7.4	7.0	7.1	7.4	7.6	7.8	8.0
Latin America	3.3	4.8	4.0	3.0	4.2	3.2	5.6	3.0	3.5	3.6	3.7	3.7
Mexico	2.1	5.5	4.9	3.0	4.9	3.5	2.4	2.9	3.6	3.7	3.7	3.7
Brazil	3.3	2.3	9	ĸ:	3.	1.6	2.8	3.3	3.4	3.5	3.8	3.8
Consumer prices ²												
Total foreign	4.1	3.5	3.1	2.7	5.6	1.9	2.2	2.7	2.3	2.2	2.2	2.3
Previous Tealbook	4.1	3.5	3.1	2.7	2.6	I.9	I.8	5.6	2.3	2.3	2.2	2.2
Advanced foreign economies	3.0	2.3	1.3	2.4	2.1	9:	۲.	1.8	1.3	1.2	1.2	1.2
Canada	3.3	3.4	1.0	2.9	2.1	- :	-:	2.1	1.6	1.5	1.6	1.7
Japan	0.	<i>L</i>	Ξ.	7	2.3	6:-	-2.0	ĸ:	0.	-:2	<u>-</u> :	<u>.</u> .
United Kingdom	6.7	4.0	3.9	4.0	1.9	1.2	5.6	3.8	2.0	1.5	1.5	2.0
Euro Area	3.4	2.9	1.9	3.6	2.4	2.0	2.3	2.1	1.6	1.6	1.4	1.4
Germany	3.3	2.5	1.9	2.8	2.4	1.4	1.8	2.2	2.2	2.1	1.7	1.7
Emerging market economies	5.1	4.5	4.5	3.0	2.9	3.0	3.3	3.3	3.1	3.1	3.1	3.0
Asia	5.5	5.2	4.9	2.1	2.3	3.2	2.1	3.0	5.9	5.9	5.9	5.9
Korea	5.5	3.4	4.4	5.6	1.6	1.2	1.0	2.3	2.8	2.8	2.8	2.8
China	5.1	6.1	5.7	1.4	2.0	2.5	1.7	2.5	2.7	2.8	2.8	2.8
Latin America	3.7	2.9	3.9	5.2	4.6	5.6	6.3	3.9	3.6	3.6	3.5	3.5
Mexico	3.2	2.4	3.5	4.9	4.5	2.5	6.5	3.6	3.4	3.3	3.2	3.2
Brazil	7.8	8.9	6.2	0.9	4.0	3.8	7.3	6.1	5.2	5.4	9.9	5.6

Poreign GDP aggregates calculated using shares of U.S. exports.

²Foreign CPI aggregates calculated using shares of U.S. non-oil imports.

Greensheets

Foreign Real GDP and Consumer Prices: Selected Countries (Percent change, Q4 to Q4)

Measure and country	2006	2007	2008	2009	2010	2011	2012	Projected 2013	2014
Real GDP 1									
Total foreign	4.2	4.3	6-	6.	4.5	2.8	2.4	2.8	3.4
Previous Tealbook	4.2	4.3	6:-	<i>o</i> :	4.5	2.8	2.5	2.8	3.3
Advanced foreign economies	2.6	2.6	-1.9	-1.4	2.9	1.3	6.	1.3	2.0
Canada	1.9	2.5	<i>L</i>	-1.4	3.3	2.2	1.8	2.0	2.7
Japan	2.1	1.6	4.8	9:-	3.4	9:-	1.3	1.2	∞.
United Kingdom	2.0	3.8	4.6	6	1.5	7.	0:	1.7	2.3
Euro area	3.8	2.3	-2.1	-2.3	2.2	9:	9	5.	1.3
Germany	4.9	2.4	-1.9	-2.2	4.2	1.9	7.	7.	1.8
Emerging market economies	6.3	6.7	4.	3.6	6.2	4.5	4.0	4.5	4.8
Asia	7.8	8.8	∞.	8.0	7.7	5.0	4.7	5.3	5.8
Korea	4.6	5.8	-3.2	6.3	5.0	3.4	2.3	3.5	4.2
China	12.8	13.7	7.7	11.3	9.7	9.1	7.0	7.7	8.1
Latin America	4.8	4.4	2	<i>L</i>	4.6	3.8	3.3	3.6	3.7
Mexico	4.1	3.5	-1.1	-2.1	4.3	3.9	3.4	3.7	3.7
Brazil	4.9	9.9	6.	5.3	5.3	1.4	2.1	3.6	4.0
Consumer prices ²									
Total foreign	2.2	3.7	3.3	1.3	3.2	3.4	2.3	2.3	2.5
Previous Tealbook	2.2	3.7	3.3	1.3	3.2	3.4	2.2	2.3	2.5
Advanced foreign economies	1.4	2.2	2.0	.2	1.7	2.2	1.3	1.2	1.7
Canada	1.4	2.5	1.8	∞:	2.2	2.7	1.1	1.6	1.9
Japan	κi	ĸ:	1.1	-2.0	£3	3	0.	1	1.7
United Kingdom	2.7	2.1	3.9	2.2	3.4	4.7	2.4	1.7	1.6
Euro Area	1.8	2.9	2.3	4.	2.0	2.9	2.2	1.5	1.5
Germany	1.3	3.1	1.7	ĸ:	1.6	2.6	1.9	1.9	1.8
Emerging market economies	2.9	5.1	4.6	2.1	4.3	4.3	3.1	3.1	3.2
Asia	2.4	5.5	3.6	1.3	4.3	4.4	2.6	2.9	3.1
Korea	2.1	3.4	4.5	2.4	3.2	4.0	1.5	2.8	3.0
China	2.1	6.7	2.5	9:	4.6	4.6	2.2	2.8	3.0
Latin America	4.1	4.2	6.7	3.9	4. 4.	3.9	4.3	3.5	3.6
Mexico	4.1	3.8	6.2	4.0	4.3	3.5	4.3	3.3	3.3
Brazil	3.1	4.3	6.3	4.3	5.6	6.7	5.3	5.4	2.6

 $^1{\rm Foreign}$ GDP aggregates calculated using shares of U.S. exports. $^2{\rm Foreign}$ CPI aggregates calculated using shares of U.S. non-oil imports.

U.S. Current Account
Quarterly Data

		2	2011			2	2012		Pr	Projected	2013	
	Q1	Q2	03	9	Q1	Q2	Q3	Q4	01	Q2	03	04
					Bill	ions of de	Billions of dollars, s.a.a.r.	a.r.				
U.S. current account balance Previous Tealbook	-480.0	-476.5 <i>-476.5</i>	-432.6 -432.6	-474.6 -474.6	-534.5 -549.3	-469.6 -493.3	-436.6 -455.5	449.4 <i>491.7</i>	-465.7 <i>-514.4</i>	-442.9 -496.7	-455.3 <i>-509.4</i>	-490.0 -547.0
Current account as percent of GDP Previous Tealbook	-3.2 -3.2	-3.2	-2.9	-3.1 -3.1	-3.5 -3.5	-3.0	-2.8 -2.9	-2.8 -3.1	-2.9 -3.2	-2.7 -3.1	-2.8 -3.1	-3.0 -3.3
Net goods & services	-548.9	-566.2	-539.3	-585.1	-593.5	-557.3	-515.9	-528.7	-546.0	-517.4	-516.3	-538.8
Investment income, net Direct net	217.9	232.8	241.9	247.4	197.4	229.7	220.1	222.1	221.7	211.9	201.8	191.6
Portfolio, net	-97.1	-85.4	-81.4	-82.8	-85.6	-75.8	-61.7	-54.5	-53.5	-55.7	-64.0	-75.0
Other income and transfers, net	-148.9	-143.1	-135.3	-136.9	-138.4	-142.0	-140.8	-142.9	-141.4	-137.5	-140.8	-142.9
				A	Annual Data	ta						
										Pro	-Projected	
	2006		2007	2008	2009		2010	2011	2012		2013	2014
						Billions	Billions of dollars	10				
U.S. current account balance Previous Tealbook	-800.6	•	. 710.3 -710.3	-677.1 -677.1	-381.9 -381.9		-442.0	-465.9 <i>-465.9</i>	-472.5 -497.4		-463.5 -516.9	-506.9 -572.1
Current account as percent of GDP Previous Tealbook	-6.0 -6.0		-5.1 -5.1	7. 4 -	-2.7		-3.0	-3.1 -3.1	-3.0		-2.8	-3.0
Net goods & services	-753.3	·	-696.7	-698.3	-379.2		-494.7	-559.9	-548.8	·	-529.6	-542.1
Investment income, net	54.7		111.1	157.8	127.6		191.0	235.0	217.3		8.90	175.8
Direct, net	174.0		244.6 132 5	284.3	253.0		297.9	321.7	286.7		268.8	276.9
Portiono, net	-119.4	•	C.2.	-170.5	-172.4		100.9	-80./	-69.7		1.70	-101.1
Other income and transfers, net	-102.0		-124.7	-136.6	-130.3		.138.2	-141.1	-141.0		-140.6	-140.6

Class I FOMC – Restricted Controlled (FR)

Report to the FOMC on Economic Conditions and Monetary Policy



Book B

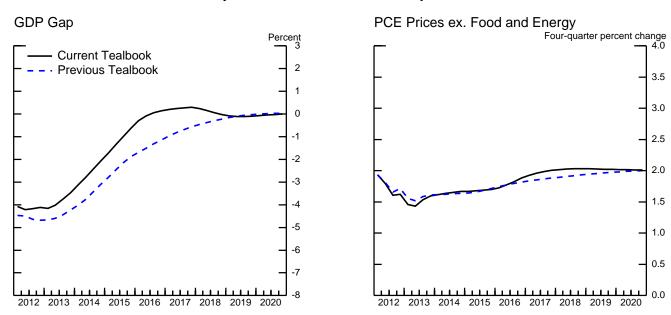
Monetary Policy: Strategies and Alternatives

October 18, 2012

Policy Rules and the Staff Projection

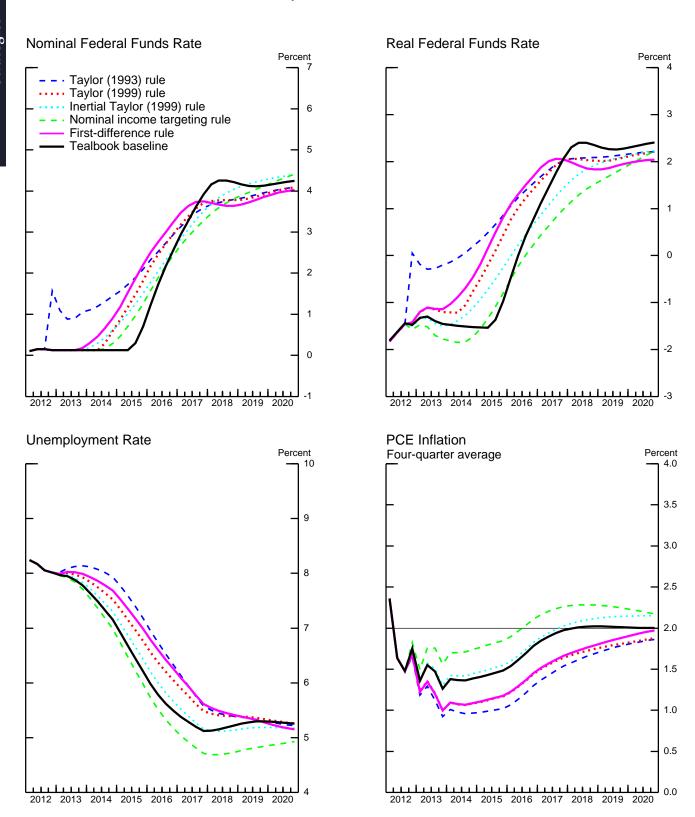
—— Near-Term Pr	escription	s of Select	ed Policy Rules	5
	Constrair	ned Policy	Unconstrair	ned Policy
	2012Q4	2013Q1	2012Q4	2013Q1
Taylor (1993) rule <i>Previous Tealbook</i>	1.65 1.53	1.40 <i>1.30</i>	1.65 1.53	1.40 <i>1.30</i>
Taylor (1999) rule <i>Previous Tealbook</i>	0.13 <i>0.13</i>	0.13 <i>0.13</i>	-0.36 − <i>0.</i> 76	-0.63 − <i>0.98</i>
Inertial Taylor (1999) rule Previous Tealbook	0.13 <i>0.13</i>	0.13 <i>0.13</i>	0.07 0.01	-0.04 − <i>0.14</i>
Outcome-based rule Previous Tealbook	0.13 <i>0.13</i>	0.13 <i>0.13</i>	0.10 -0.02	−0.05 − <i>0.</i> 23
First-difference rule Previous Tealbook	0.13 <i>0.13</i>	0.23 <i>0.13</i>	0.11 <i>0.03</i>	0.23 <i>0.04</i>
Nominal income targeting rule Previous Tealbook	0.13 <i>0.13</i>	0.13 <i>0.13</i>	− 0.21 − <i>0.41</i>	-0.55 − <i>0.86</i>
Memo: Equilib	rium and A	ctual Real Fe	deral Funds Rate)
			ent Quarter Estimate Previous Tealbook	
Tealbook-consistent FRB/US <i>r</i> * exActual real federal funds rate		1.90 1.47	-2.11	-2.39 -1.67

Key Elements of the Staff Projection



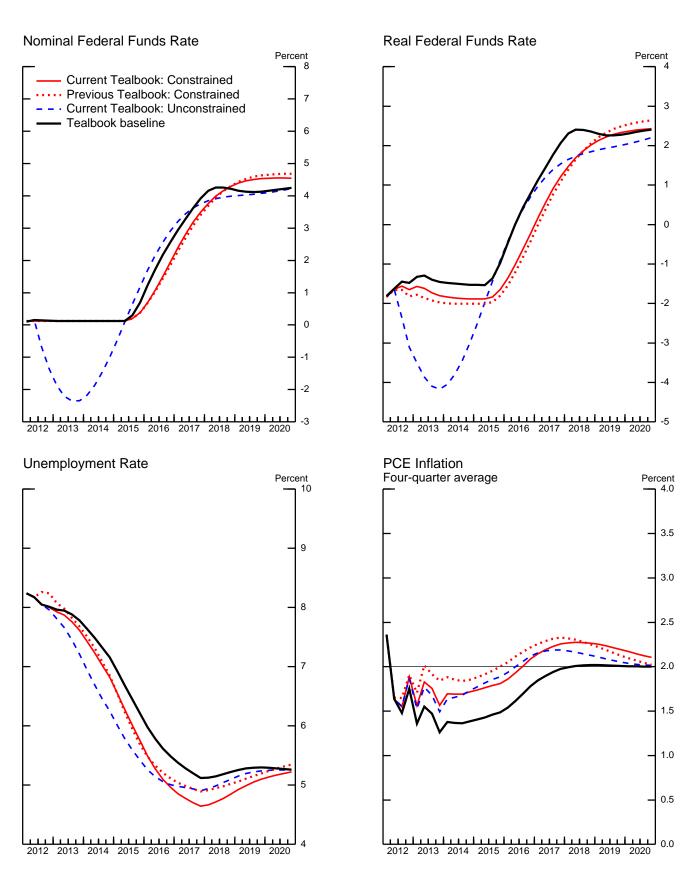
Note: Estimates of r^* may change at the beginning of a quarter even when the staff outlook is unchanged because the twelve-quarter horizon covered by the calculation has rolled forward one quarter. Therefore, whenever the Tealbook is published early in the quarter, the memo includes a third column labeled "Current Quarter Estimate as of Previous Tealbook."

Policy Rule Simulations



Note: The policy rule simulations in this exhibit are based on rules that respond to core inflation. This choice of rule specification was made in light of the tendency for current and near-term core inflation rates to outperform headline inflation rates as predictors of the medium-term behavior of headline inflation.

Constrained vs. Unconstrained Optimal Control Policy



Outcomes under Alternative Policies

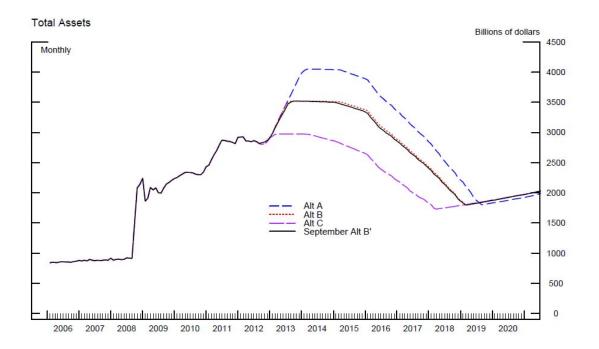
(Percent change, annual rate, from end of preceding period except as noted)

Measure and scenario	20	012	2013	2014	2015	2016
	H1	H2				
Real GDP						
Extended Tealbook baseline	1.6	2.0	2.6	3.5	3.7	3.1
Taylor (1993)	1.6	2.0	1.6	2.8	3.5	3.5
Taylor (1999)	1.6	2.0	2.2	3.1	3.4	3.2
Inertial Taylor (1999)	1.6	2.0	2.5	3.3	3.6	3.2
First-difference	1.6	2.0	2.0	2.9	3.3	3.2
Nominal income targeting	1.6	2.0	2.8	3.7	3.8	3.3
Constrained optimal control	1.6	2.2	3.0	3.8	4.0	3.2
Unemployment rate ¹						
Extended Tealbook baseline	8.2	8.0	7.8	7.2	6.2	5.5
Taylor (1993)	8.2	8.0	8.1	7.9	7.2	6.3
Taylor (1999)	8.2	8.0	7.9	7.5	6.8	6.0
Inertial Taylor (1999)	8.2	8.0	7.8	7.3	6.4	5.7
First-difference	8.2	8.0	8.0	7.7	7.0	6.3
Nominal income targeting	8.2	8.0	7.7	7.0	6.0	5.2
Constrained optimal control	8.2	8.0	7.6	6.8	5.7	5.0
Total PCE prices						
Extended Tealbook baseline	1.6	1.9	1.3	1.4	1.5	1.8
Taylor (1993)	1.6	1.7	0.9	1.0	1.0	1.3
Taylor (1999)	1.6	1.8	1.0	1.1	1.2	1.4
Inertial Taylor (1999)	1.6	1.9	1.3	1.4	1.5	1.8
First-difference	1.6	1.8	1.0	1.1	1.2	1.5
Nominal income targeting	1.6	2.1	1.6	1.7	1.8	2.1
Constrained optimal control	1.6	2.2	1.6	1.7	1.8	2.1
Core PCE prices						
Extended Tealbook baseline	2.0	1.3	1.6	1.7	1.7	1.9
Taylor (1993)	2.0	1.1	1.3	1.2	1.2	1.4
Taylor (1999)	2.0	1.1	1.3	1.4	1.4	1.5
Inertial Taylor (1999)	2.0	1.3	1.6	1.7	1.8	1.9
First-difference	2.0	1.1	1.3	1.4	1.4	1.6
Nominal income targeting	2.0	1.4	1.9	2.0	2.1	2.2
Constrained optimal control	2.0	1.5	1.9	2.0	2.0	2.2
Federal funds rate ¹						
Extended Tealbook baseline	0.2	0.1	0.1	0.1	0.7	2.6
Taylor (1993)	0.2	1.6		1.4	2.1	2.9
Taylor (1999)	0.2	0.1	0.1	0.6	1.8	3.0
Inertial Taylor (1999)	0.2	0.1	0.1	0.6	1.5	2.6
First-difference	0.2	0.1	0.2	0.9	2.2	3.2
Nominal income targeting	0.2	0.1	0.1	0.3	1.3	2.4
Constrained optimal control	0.2	0.1	0.1	0.1	0.4	2.0

^{1.} Percent, average for the final quarter of the period.

LONG-RUN PROJECTIONS OF THE BALANCE SHEET AND MONETARY BASE

The staff has prepared three scenarios for the Federal Reserve's balance sheet that correspond to the policy alternatives A, B, and C. Alternatives A and B include asset purchases that continue beyond the end of the maturity extension program (MEP) and assume that the Committee maintains an exceptionally low federal funds rate until August 2015. In contrast, Alternative C ends purchases of MBS at the same time as the MEP, at the end of this year, and has the federal funds rate lift off from its lower bound in August 2014. Projections under each scenario are based on assumptions about the trajectory of various components of the balance sheet. Details of these assumptions, as well as projections for each major component of the balance sheet, can be found in Explanatory Note D.



For the balance sheet scenario that corresponds to Alternative B, the Committee is assumed to continue its current purchases of MBS through the end of the year, when the MEP concludes, and then both continue MBS purchases and make additional purchases of Treasury securities through June 2013. These purchases from October 2012 through June 2013 expand the SOMA portfolio's holdings of longer-term securities by about

	Growth Ra	tes for the Mon	etary Base	
				Memo:
Date	Alternative B	Alternative A	Alternative C	September Alt
				B'
	Pe	ercent, annual ra	nte	
		Monthly		
Apr-12	-12.3	-12.3	-12.3	-12.2
May-12	-8.7	-8.7	-8.7	-8.7
Jun-12	-5.1	-5.1	-5.1	-5.1
Jul-12	7.7	7.7	7.7	7.7
Aug-12	7.7	7.7	7.7	18.7
Sep-12	-12.4	-12.4	-12.4	6.0
Oct-12	1.1	1.2	-0.1	-1.1
Nov-12	28.9	29.1	27.6	16.0
Dec-12	23.1	23.1	23.6	17.3
		Quarterly		
2011 Q3	21.0	21.0	21.0	21.0
2011 Q4	-5.9	-5.9	-5.9	-5.9
2012 Q1	5.5	5.5	5.5	5.5
2012 Q2	-3.9	-3.9	-3.9	-3.9
2012 Q3	0.8	0.8	0.8	5.3
2012 Q4	7.5	7.6	6.9	8.6
2013 Q1	28.3	28.3	15.9	22.8
2013 Q2	30.1	30.3	-4.8	25.3
		1 04 0	. 4	
2010		nnual - Q4 to Q		0.0
2010	0.9	0.9	0.9	0.9
2011	32.9	32.9	32.9	32.9
2012	2.5	2.5	2.3	3.9
2013	25.1	37.4	4.9	23.6
2014	-0.6	4.9	-2.2	-0.7
2015	-2.4	-2.5	-7.7	-3.2
2016	-14.3	-13.5	-17.2	-14.5
2017	-16.9	-15.7	-18.9	-16.7
2018	-23.9	-22.6	-6.7	-23.9

Note: Not seasonally adjusted.

Growth Rates for M2

(Percent, seasonally adjusted annual rate)

Monthly Growth Rates	Tealbook Forecast*
Jan-12	16.2
Feb-12	3.7
Mar-12	4.2
Apr-12	5.5
May-12	3.9
Jun-12	5.1
Jul-12	9.0
Aug-12	4.5
Sep-12	10.1
Oct-12	6.6
Nov-12	4.0
Dec-12	3.6
Quarterly Growth Rates	
2012 Q1	8.7
2012 Q2	4.6
2012 Q3	6.7
2012 Q4	6.3
2013 Q1	-0.4
2013 Q2	1.9
2013 Q3	2.2
2013 Q4	2.2
2014 Q1	2.6
2014 Q2	2.7
2014 Q3	2.7
2014 Q4	2.8
Annual Growth Rates	
2012	6.7
2012	1.5
2014	2.7

^{*} This forecast is consistent with nominal GDP and interest rates in the Tealbook A forecast. Actual data through October 8, 2012; projections thereafter.

	10-Yea	r Treasury Term	Premium Effect	
Date	Alternative B	Alternative A	Alternative C	Memo: September Alt B'
		Basis Poin	ts	
		Quarterly Ave	rages	
2012 Q4	-93	-114	-66	-93
2013 Q1	-90	-111	-62	-89
2013 Q2	-86	-107	-58	-86
2013 Q3	-81	-103	-54	-81
2013 Q4	-76	-98	-50	-76
2014 Q1	-72	-93	-46	-71
2014 Q2	-67	-87	-42	-66
2014 Q3	-62	-81	-38	-61
2014 Q4	-57	-75	-35	-57
2015 Q1	-53	-70	-32	-52
2015 Q2	-49	-64	-29	-48
2015 Q3	-44	-59	-26	-43
2015 Q4	-40	-54	-23	-39
2016 Q1	-37	-49	-20	-35
2016 Q2	-33	-44	-18	-32
2016 Q3	-30	-40	-16	-29
2016 Q4	-27	-36	-14	-25
2017 Q1	-24	-32	-13	-23
2017 Q2	-21	-29	-11	-20
2017 Q3	-19	-25	-10	-17
2017 Q4	-17	-23	-9	-15
2018 Q1	-15	-20	-8	-13
2018 Q2	-13	-17	-7	-12
2018 Q3	-12	-15	-7	-10
2018 Q4	-10	-13	-6	
2019 Q1	-9	-12	-6	-8
2019 Q2	-8	-10	-6	
2019 Q3	-8	-9	-6	
2019 Q4	-7	-8	-5	
2020 Q1	-6	-7	-5	
2020 Q2	-6	-6	-5	
2020 Q3	-6	-6	-4	
2020 Q4	-5	-5	-4	

Federal Reserve Balance Sheet End-of-Year Projections -- Alternative B

Billions of dollars

llions of dollars						_
	Sep 30, 2012	<u>2012</u>	<u>2014</u>	<u>2016</u>	<u>2018</u>	2020
Total assets	2,802	2,908	3,511	2,891	1,873	1,976
Selected assets						
Liquidity programs for financial firms	13	13	0	0	0	(
Primary, secondary, and seasonal credit	0	0	0	0	0	(
Central bank liquidity swaps	13	13	0	0	0	(
Term Asset-Backed Securities Loan Facility (TALF)	2	2	0	0	0	(
Net portfolio holdings of Maiden Lane LLC, Maiden Lane II LLC, and Maiden Lane III LLC	2	1	0	0	0	(
Securities held outright	2,564	2,650	3,258	2,685	1,710	1,84
U.S. Treasury securities	1,645	1,657	1,927	1,707	1,218	1,82
Agency debt securities	83	77	39	16	2	
Agency mortgage-backed securities	835	916	1,292	961	490	2
Net portfolio holdings of TALF LLC	1	1	1	0	0	
Total other assets	221	241	252	206	162	12
Total liabilities	2,747	2,846	3,430	2,783	1,730	1,78
Selected liabilities						
Federal Reserve notes in circulation	1,086	1,108	1,249	1,402	1,530	1,67
Reverse repurchase agreements	70	70	70	70	70	7
Deposits with Federal Reserve Banks	1,578	1,658	2,099	1,300	127	3
Reserve balances held by depository institutions	1,464	1,607	2,048	1,290	116	2
U.S. Treasury, General Account	85	45	45	5	5	
Other Deposits	29	6	6	6	6	
Interest on Federal Reserve Notes due to U.S. Treasury	2	0	0	0	-8	(
Total capital	55	62	82	108	143	189

Source: Federal Reserve H.4.1 statistical releases and staff calculations.

Note: Components may not sum to totals due to rounding.

Federal Reserve Balance Sheet End-of-Year Projections -- Alternative A

Billions of dollars

	Sep 30, 2012	<u>2012</u>	<u>2014</u>	<u>2016</u>	<u>2018</u>	2020
Total assets	2,802	2,909	4,043	3,359	2,213	1,943
Selected assets						
Liquidity programs for financial firms	13	13	0	0	0	
Primary, secondary, and seasonal credit	0	0	0	0	0	
Central bank liquidity swaps	13	13	0	0	0	
Term Asset-Backed Securities Loan Facility (TALF)	2	2	0	0	0	
Net portfolio holdings of Maiden Lane LLC, Maiden Lane II LLC, and Maiden Lane III LLC	2	1	0	0	0	
Securities held outright	2,564	2,649	3,765	3,134	2,038	1,80
U.S. Treasury securities	1,645	1,657	2,197	1,977	1,454	1,78
Agency debt securities	83	77	39	16	2	
Agency mortgage-backed securities	835	915	1,530	1,141	582	2
Net portfolio holdings of TALF LLC	1	1	1	0	0	
Total other assets	221	243	276	224	175	13
Total liabilities	2,747	2,847	3,961	3,251	2,070	1,75
Selected liabilities						
Federal Reserve notes in circulation	1,086	1,108	1,249	1,402	1,530	1,67
Reverse repurchase agreements	70	70	70	70	70	7
Deposits with Federal Reserve Banks	1,578	1,658	2,626	1,764	483	3
Reserve balances held by depository institutions	1,464	1,608	2,575	1,754	473	2
U.S. Treasury, General Account	85	45	45	5	5	
Other Deposits	29	6	6	6	6	
Interest on Federal Reserve Notes due to U.S. Treasury	2	0	0	0	-31	-3

Source: Federal Reserve H.4.1 statistical releases and staff calculations.

Note: Components may not sum to totals due to rounding.

Federal Reserve Balance Sheet End-of-Year Projections -- Alternative C

Billions of dollars

	Sep 30, 2012	<u>2012</u>	<u>2014</u>	<u>2016</u>	<u>2018</u>	2020
Total assets	2,802	2,907	2,862	2,206	1,790	1,976
Selected assets						
Liquidity programs for financial firms	13	13	0	0	0	(
Primary, secondary, and seasonal credit	0	0	0	0	0	(
Central bank liquidity swaps	13	13	0	0	0	(
Term Asset-Backed Securities Loan Facility (TALF)	2	2	0	0	0	(
Net portfolio holdings of Maiden Lane LLC, Maiden Lane II LLC, and Maiden Lane III LLC	2	1	0	0	0	(
Securities held outright	2,564	2,661	2,655	2,040	1,656	1,86
U.S. Treasury securities	1,645	1,657	1,657	1,437	1,448	1,86
Agency debt securities	83	77	39	16	2	
Agency mortgage-backed securities	835	927	959	586	206	
Net portfolio holdings of TALF LLC	1	1	1	0	0	
Total other assets	221	230	206	166	134	11:
Total liabilities	2,747	2,845	2,780	2,098	1,647	1,78
Selected liabilities						
Federal Reserve notes in circulation	1,086	1,108	1,249	1,402	1,530	1,67
Reverse repurchase agreements	70	70	70	70	70	7
Deposits with Federal Reserve Banks	1,578	1,655	1,449	615	36	3
Reserve balances held by depository institutions	1,464	1,604	1,438	605	25	2
U.S. Treasury, General Account	85	45	5	5	5	
Other Deposits	29	6	6	6	6	
Interest on Federal Reserve Notes due to U.S. Treasury	2	0	0	0	0	1
Total capital	55	62	82	108	143	18

Source: Federal Reserve H.4.1 statistical releases and staff calculations.

Note: Components may not sum to totals due to rounding.