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



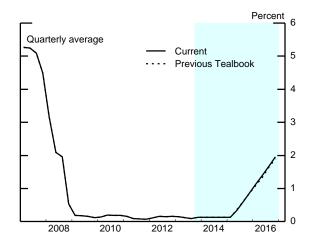
Book A

Economic and Financial Conditions: Current Situation and Outlook

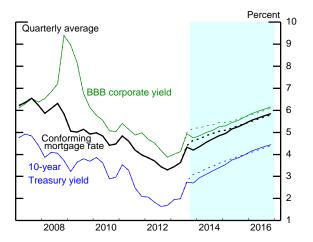
October 23, 2013

Key Background Factors underlying the Baseline Staff Projection

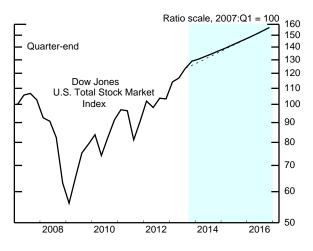
Federal Funds Rate



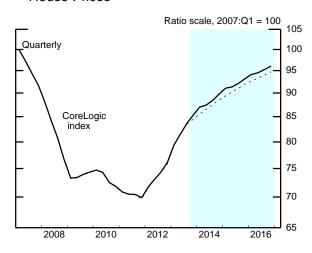
Long-Term Interest Rates



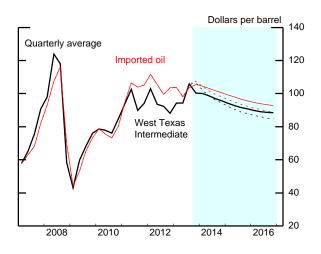
Equity Prices



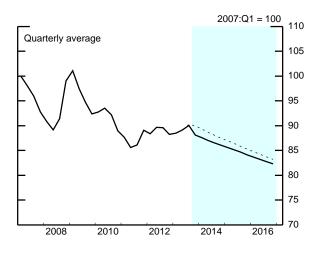
House Prices



Crude Oil Prices



Broad Real Dollar



Summary of the Near-Term Outlook

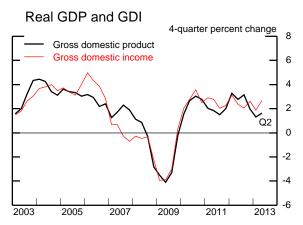
(Percent change at annual rate except as noted)

	201	13:H1	201	13:Q3	2013:Q4		
Measure	Previous Tealbook	Current Tealbook	Previous Tealbook	Current Tealbook	Previous Tealbook	Current Tealbook	
Real GDP	2.0	1.8	2.2	2.2	2.7	2.1	
Private domestic final purchases	2.2	2.1	2.3	2.1	3.7	3.0	
Personal consumption expenditures	2.2	2.0	2.0	1.5	3.1	2.6	
Residential investment	13.3	13.4	2.6	7.8	12.0	11.0	
Nonres. private fixed investment	2	1	3.7	4.0	5.1	3.6	
Government purchases	-2.3	-2.3	-2.5	-1.7	-2.7	-4.2	
Contributions to change in real GDP							
Inventory investment ¹	.8	.7	.4	.8	.2	.0	
Net exports ¹	1	2	.4	.0	1	.4	
Unemployment rate ²	7.5	7.5	7.3	7.3	7.2	7.3	
PCE chain price index	.6	. 5	1.9	2.0	1.3	1.1	
Ex. food and energy	1.1	1.0	1.5	1.5	1.3	1.4	

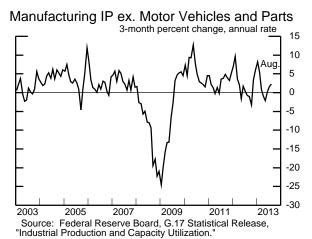
1. Percentage points.

2. Percent. For 2013:H1, the 2013:Q2 value is shown.

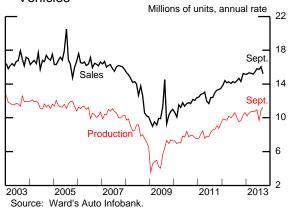
Recent Nonfinancial Developments (1)

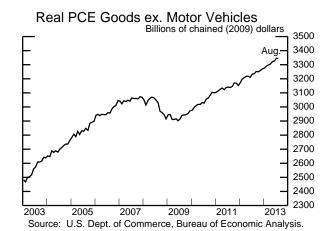


Source: U.S. Dept. of Commerce, Bureau of Economic Analysis.



Sales and Production of Light Motor Vehicles



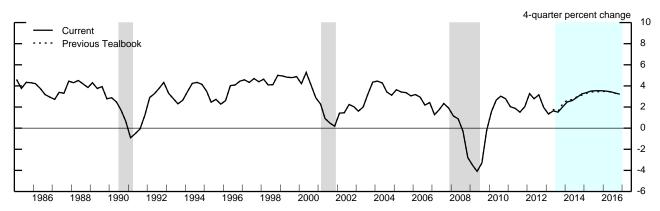


Projections of Real GDP and Related Components

(Percent change at annual rate from final quarter of preceding period except as noted)

Measure	2013	20	013	2014	2015	2016		
wieasure	2013	H1	H2	2014	2015	2016		
Real GDP Previous Tealbook	2.0 2.3	1.8 2.0	2.2 2.5	3.2 3.1	3.5 3.4	3.2 3.2		
Final sales	1.5	1.1	1.8	3.3	3.7	3.3		
Previous Tealbook	1.7	1.3	2.2	3.1	3.6	3.5		
Personal consumption expenditures	2.0	2.0	2.1	3.4	3.8	3.1		
Previous Tealbook	2.4	2.2	2.6	3.6	3.8	3.1		
Residential investment	11.4	13.4	9.4	17.5	14.1	5.8		
Previous Tealbook	10.2	13.3	7.2	15.8	14.8	8.9		
Nonresidential structures	1	-6.5	6.7	2.5	2.9	2.6		
Previous Tealbook	-1.0	-6.4	4.6	2.7	2.7	2.5		
Equipment and intangibles	2.4	1.9	3.0	5.6	6.1	5.5		
Previous Tealbook	3.0	1.7	4.4	5.3	5.9	5.7		
Federal purchases	-6.8	-5.1	-8.6	-4.3	-3.8	.0		
Previous Tealbook	-5.8	-5.1	-6.5	-5.4	-3.8	.0		
State and local purchases	.2	4	.9	.3	1.1	1.5		
Previous Tealbook	2	4	.1	.3	1.1	1.5		
Exports	3.7	3.2	4.2	5.1	6.5	6.9		
Previous Tealbook	3.5	3.2	3.8	4.4	6.1	7.0		
Imports	3.0	3.7	2.3	3.8	5.1	4.7		
Previous Tealbook	2.8	3.4	2.1	4.4	5.1	4.6		
	Contributions to change in real GDP (percentage points)							
Inventory change	.5	.7	.4	.0	1	1		
Previous Tealbook	.5	.8	.3	.0	2	2		
Net exports	.0	2	.2	.1	.0	.2		
Previous Tealbook	.0	1	.2	1	.0	.2		

Real GDP

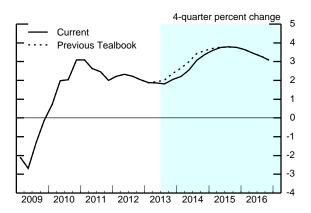


Note: The gray shaded bars indicate a period of business recession as defined by the National Bureau of Economic Research.

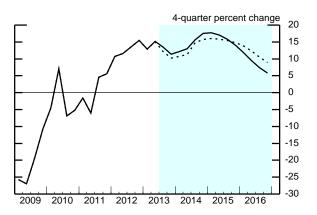
Source: U.S. Department of Commerce, Bureau of Economic Analysis.

Components of Final Demand

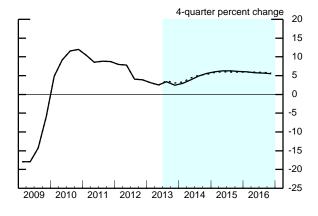
Personal Consumption Expenditures



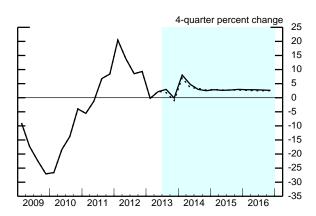
Residential Investment



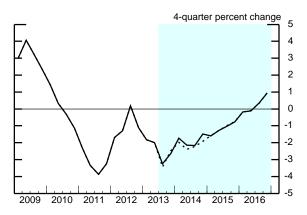
Equipment and Intangibles



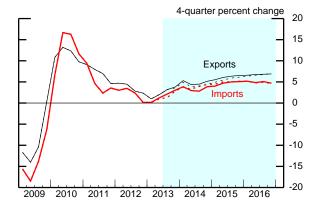
Nonresidential Structures



Government Consumption & Investment



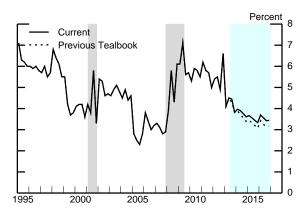
Exports and Imports



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

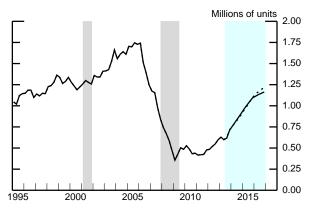
Aspects of the Medium-Term Projection

Personal Saving Rate



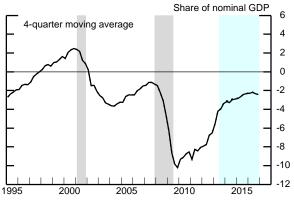
Source: U.S. Dept. of Commerce, Bureau of Economic Analysis.

Single-Family Housing Starts



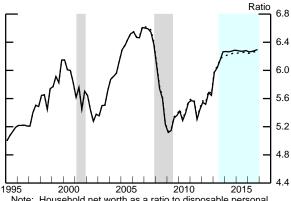
Source: U.S. Census Bureau.

Federal Surplus/Deficit



Source: Monthly Treasury Statement.

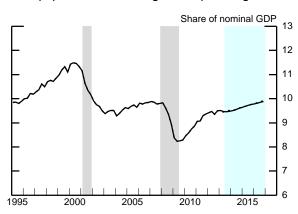
Wealth-to-Income Ratio



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

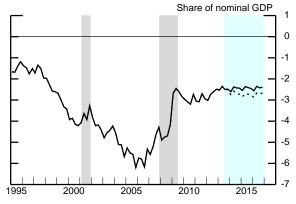
Source: For net worth, Federal Reserve Board, flow of funds data; for income, U.S. Dept. of Commerce, Bureau of Economic Analysis.

Equipment and Intangibles 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.

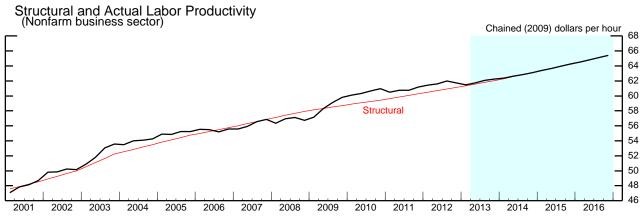
Decomposition of Potential GDP

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

Measure	1974-95	1996- 2000	2001-11	2012	2013	2014	2015	2016
Potential real GDP	3.1	3.4	2.2	1.9	2.1	2.2	2.2	2.1
Previous Tealbook	3.1	3.4	2.2	1.9	2.1	2.2	2.2	2.1
Selected contributions ¹ Structural labor productivity ² Previous Tealbook	1.5 1.5	2.7 2.7	2.2 2.2	1.4 1.4	1.5 1.5	1.7 1.7	1.8 1.8	1.9 1.9
Structural hours	1.5	1.0	.6	.7	.7	.6	.6	.5
Previous Tealbook	1.5	1.0	.6	.7	.7	.6	.6	.5
Labor force participation	.4	.0	3	3	5	3	3	3
Previous Tealbook	.4	.0	3	3	5	3	3	3
Memo: GDP gap ³ Previous Tealbook	-2.4 -2.4	1.9 1.9	-3.6 -3.6	-3.6 -3.6	-3.6 -3.4	-2.6 -2.5	-1.3 -1.3	3 2

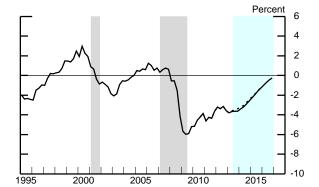
Note: For multiyear periods, the percent change is the annual average from Q4 of the year preceding the first year shown to Q4 of the last year shown.

^{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.



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

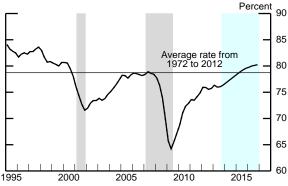




Note: The GDP gap is the percent difference between actual and potential GDP; a negative number indicates that the economy is operating below potential.

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.

^{1.} Percentage points.

^{2.} Because of substantial revisions from the Bureau of Economic Analysis to productive investment as part of the latest comprehensive revision, staff estimates of the components of structural productivity are not available for this Tealbook.

The Outlook for the Labor Market

Measure	2012	20	13	2014	2015	2016
Measure	2013	H1	H2	2014	2015	2016
Output per hour, nonfarm business ¹	.8	.0	1.7	1.4	1.8	1.9
Previous Tealbook	1.1	.3	1.9	1.4	1.5	1.8
Nonfarm private employment ²	173	201	145	199	245	195
Previous Tealbook	181	201	162	202	241	198
Labor force participation rate ³	63.2	63.4	63.2	63.2	63.1	63.0
Previous Tealbook	63.3	63.4	63.3	63.3	63.2	63.1
Civilian unemployment rate ³	7.3	7.5	7.3	6.6	5.9	5.4
Previous Tealbook	7.2	7.5	7.2	6.6	5.8	5.3

^{1.} Percent change from final quarter of preceding period at annual rate.

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

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

	2012	20	13	2014	2015	2016
Measure	2013	H1	H2	2014	2015	2016
PCE chain-weighted price index	1.0	.5	1.6	1.4	1.5	1.6
Previous Tealbook	1.1	.6	1.6	1.2	1.4	1.6
Food and beverages	1.1	.9	1.2	.6	1.3	1.4
Previous Tealbook	.9	.9	1.0	.7	1.3	1.4
Energy	-2.4	-7.8	3.2	7	-1.1	5
Previous Tealbook	-1.1	-7.7	6.0	-3.1	-1.4	7
Excluding food and energy Previous Tealbook	1.2	1.0	1.5	1.5	1.6	1.7
	1.2	1.1	1.4	1.5	1.6	1.7
Prices of core goods imports ¹	-1.1	-1.0	-1.1	1.7	1.6	1.6
Previous Tealbook	-1.0	-1.0	-1.0	1.5	1.5	1.6

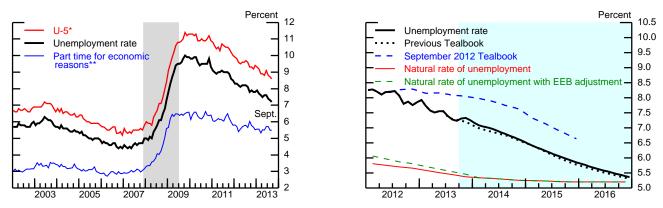
^{1.} Core goods imports exclude computers, semiconductors, oil, and natural gas.

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

Torcent change from man quarter of preceding period.
 Thousands, average monthly changes.
 Percent, average for the final quarter in the period.

Labor Market Developments and Outlook

Measures of Labor Underutilization

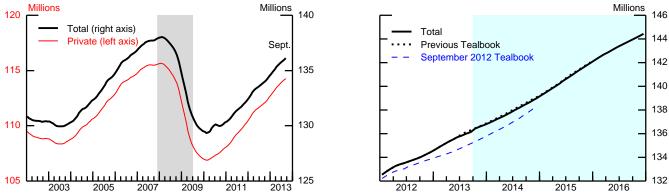


^{*} U-5 measures total unemployed plus all marginally attached to the labor force, as a percent of the labor force plus persons marginally attached to the labor force.

Percent of Current Population Survey employment.

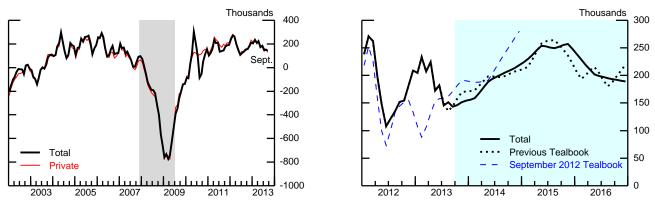
EEB Extended and emergency unemployment benefits. Source: U.S. Department of Labor, Bureau of Labor Statistics.

Level of Payroll Employment*



^{* 3-}month moving averages in history; average levels in each quarter during the forecast period. Source: U.S. Department of Labor, Bureau of Labor Statistics.

Change in Payroll Employment*



^{* 3-}month moving averages in history; average monthly changes in each quarter during the forecast period. Source: U.S. Department of Labor, Bureau of Labor Statistics.

Note: In September 2012, judgmental projections were prepared through 2015 for the Summary of Economic Projections variables, including the unemployment rate, while projections for other variables, including the labor force participation rate and payroll employment, were prepared only through 2014. This exhibit therefore reports a 2015 projection from the September 2012 Tealbook only for the unemployment rate.

Labor Market Data and Projections

	Aug	Projection for mid-2014 ² in the Tealbook dated:					
Indicator	Aug. 2012 ¹	Sept. 2012	Dec. 2012	Sept. 2013 ³	Oct. 2013 ³		
Unemployment rate (percent)	8.1	7.8	7.6	6.8	6.9		
Labor force participation rate (percent)	63.5	63.7	63.7	63.3	63.2		
Monthly change in payroll employment (thousands, three-month averages) Total Private	94 109	212 210	197 195	197 205	194 202		
Level of total payroll employment (millions)	133.3	137.0	137.1	138.0	137.9		
Total hours worked (percent change) ⁴	1.0	2.3	2.0	2.5	2.4		
Total hours worked (billions) ⁴	184.6	190.3	190.8	193.0	193.0		

^{1.} The figures for August 2012 refer to data as originally published in the September employment situation release along with the staff's real-time translation of those data into hours worked. These were the latest available data at the time of the September FOMC meeting.

Source: U.S. Department of Labor, Bureau of Labor Statistics; staff projections.

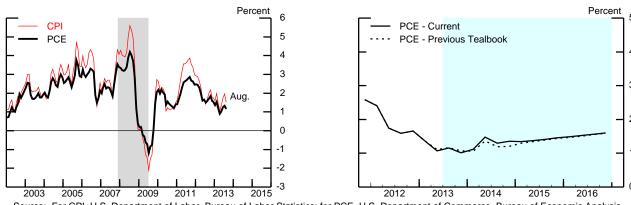
^{2.} Calculated as the mean of the 2014:Q2 and 2014:Q3 projections.3. Projections of payrolls and hours worked include the effects of the benchmark revision to the payroll survey.

^{4.} Total hours worked are aggregate hours in the nonfarm business sector. Because that series is available only on a quarterly basis, the August 2012 figures refer to the quarterly percent change and level in 2012:Q3. The percent changes and levels in hours are at annual rates.

Inflation Developments and Outlook

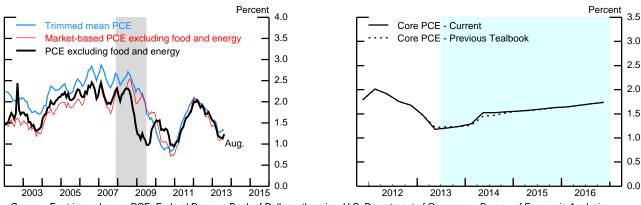
(Percent change from year-earlier period)

Headline Consumer Price Inflation



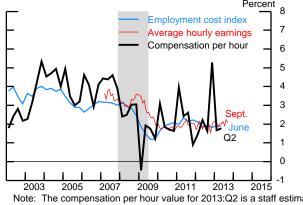
Source: For CPI, U.S. Department of Labor, Bureau of Labor Statistics; for PCE, U.S. Department of Commerce, Bureau of Economic Analysis.

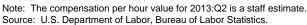
Measures of Underlying PCE Price Inflation

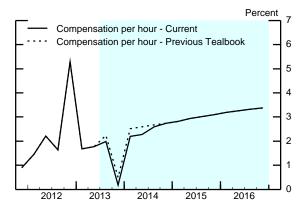


Source: For trimmed mean PCE, Federal Reserve Bank of Dallas; otherwise, U.S. Department of Commerce, Bureau of Economic Analysis.

Labor Cost Growth (Private Industry)





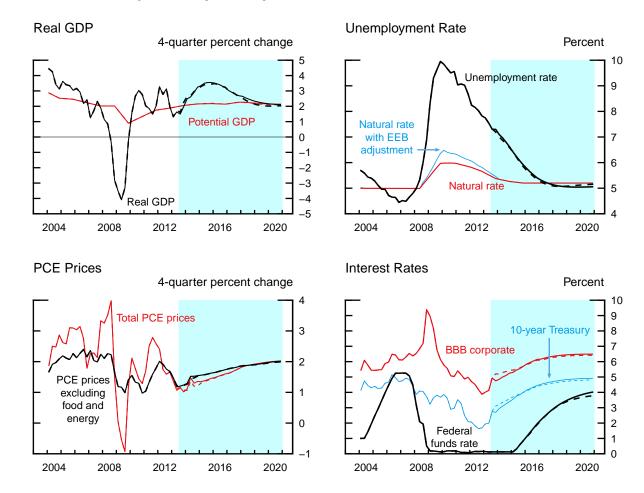


The Long-Term Outlook

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

Measure	2013	2014	2015	2016	2017	2018	Longer run
Real GDP	2.0	3.2	3.5	3.2	2.7	2.4	2.3
Previous Tealbook	2.3	3.1	3.4	3.2	2.6	2.2	2.3
Civilian unemployment rate ¹	7.3	6.6	5.9	5.4	5.2	5.1	5.2
Previous Tealbook	7.2	6.6	5.8	5.3	5.1	5.1	5.2
PCE prices, total	1.0	1.4	1.5	1.6	1.8	1.9	2.0
Previous Tealbook	1.1	1.2	1.4	1.6	1.8	1.9	2.0
Core PCE prices	1.2	1.5	1.6	1.7	1.8	1.9	2.0
Previous Tealbook	1.2	1.5	1.6	1.7	1.8	1.9	2.0
Federal funds rate ¹	.1	.1	.9	2.0	2.8	3.4	4.0
Previous Tealbook	.1	.1	.8	1.9	2.8	3.3	4.0
10-year Treasury yield ¹	2.7	3.4	4.0	4.4	4.7	4.8	4.8
Previous Tealbook	3.1	3.6	4.0	4.4	4.6	4.7	4.8

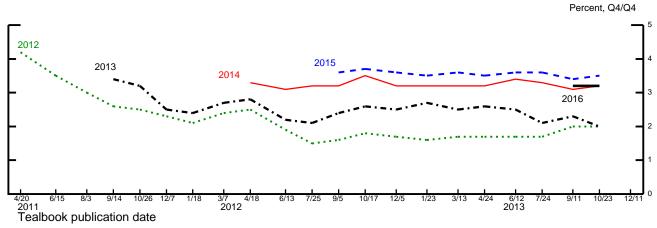
1. Percent, average for the final quarter of the period.



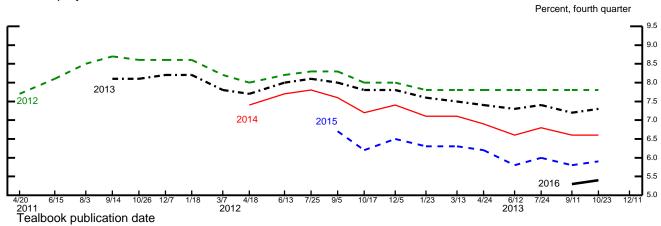
Note: In each panel, shading represents the projection period, and dashed lines are the previous Tealbook.

Evolution of the Staff Forecast

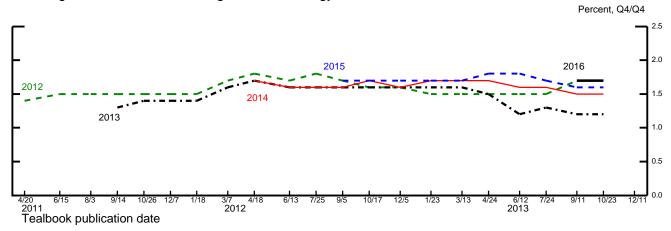
Change in Real GDP



Unemployment Rate



Change in PCE Prices excluding Food and Energy



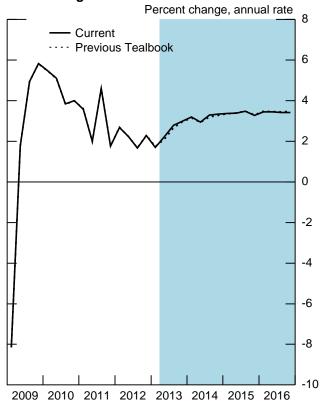
The Foreign GDP Outlook

Real GDP* Percent change, annual rate

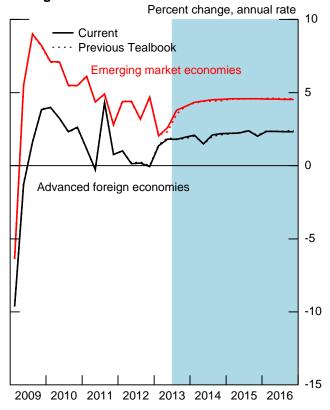
			2	013		2	014	<u>2015</u>	2016
		Q1	Q2	Q3	Q4	H1	H2		
1. T	otal Foreign	1.7	2.2	2.8	3.0	3.1	3.3	3.4	3.4
	Previous Tealbook	1.8	2.1	2.7	3.0	3.0	3.2	3.4	3.5
2.	Advanced Foreign Economies	1.4	1.8	1.8	1.9	1.8	2.1	2.2	2.3
	Previous Tealbook	1.4	1.9	1.8	1.9	1.8	2.1	2.2	2.4
3.	Canada	2.2	1.7	2.6	2.1	2.4	2.6	2.6	2.7
4.	Euro Area	-0.9	1.1	0.4	1.0	1.2	1.5	1.9	2.0
5.	Japan	4.1	3.8	2.1	3.4	0.4	1.9	8.0	1.2
6.	United Kingdom	1.5	2.7	2.4	2.5	2.3	2.4	2.5	2.5
7.	Emerging Market Economies	2.1	2.6	3.8	4.1	4.4	4.5	4.6	4.6
	Previous Tealbook	2.1	2.3	3.5	4.1	4.3	4.4	4.6	4.6
8.	China	6.5	7.5	9.4	8.1	7.8	7.7	7.6	7.5
9.	Emerging Asia ex. China	1.8	3.8	3.8	4.0	4.0	4.4	4.6	4.6
10.	Mexico	0.1	-2.9	2.2	3.0	3.7	3.7	3.6	3.4
11.	Brazil	2.6	6.0	0.0	1.7	2.9	3.3	3.5	3.5

^{*} GDP aggregates weighted by shares of U.S. merchandise exports.

Total Foreign GDP



Foreign GDP



Page 36 of 81

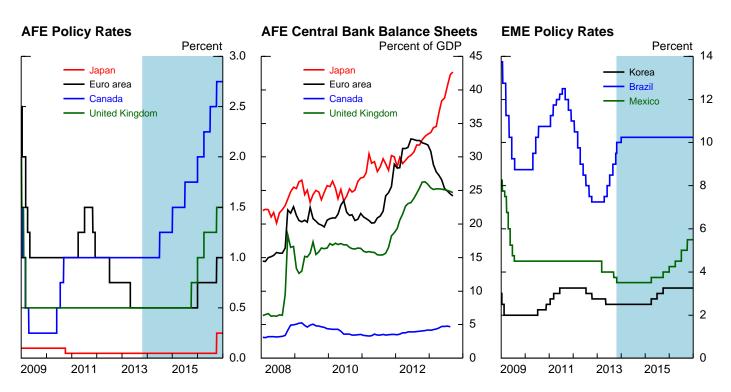
The Foreign Inflation Outlook

Consumer Prices*	Percent change, annual rate
------------------	-----------------------------

			2	013		2	014	2015	2016
		Q1	Q2	Q3	Q4	H1	H2		
1. T	otal Foreign	2.2	1.9	2.8	2.6	2.8	2.5	2.7	2.6
	Previous Tealbook	2.2	1.9	2.6	2.6	2.8	2.5	2.7	2.6
2.	Advanced Foreign Economies	0.9	0.4	2.1	1.4	2.1	1.5	1.8	1.8
	Previous Tealbook	0.9	0.5	1.9	1.5	2.1	1.5	1.8	1.8
3.	Canada	1.6	0.0	1.6	1.7	1.8	1.8	1.8	2.1
4.	Euro Area	0.7	0.6	1.9	1.4	1.3	1.4	1.5	1.7
5.	Japan	-0.4	8.0	2.9	0.7	4.6	8.0	2.5	1.4
6.	United Kingdom	2.3	1.5	3.1	3.0	1.7	2.2	2.0	1.8
7.	Emerging Market Economies	3.3	3.0	3.3	3.5	3.3	3.3	3.3	3.3
	Previous Tealbook	3.3	3.0	3.1	3.4	3.3	3.3	3.3	3.3
8.	China	3.2	2.1	3.4	3.0	3.0	3.0	3.0	3.0
9.	Emerging Asia ex. China	3.5	1.8	3.9	4.1	3.4	3.4	3.4	3.4
10.	Mexico	3.2	5.3	2.0	3.6	3.5	3.4	3.4	3.4
11.	Brazil	7.0	5.8	4.6	5.5	5.7	5.3	5.3	5.3

^{*} CPI aggregates weighted by shares of U.S. non-oil imports.

Foreign Monetary Policy



Alternative Scenarios

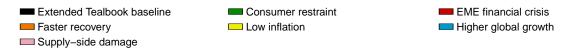
(Percent change, annual rate, from end of preceding period except as noted)

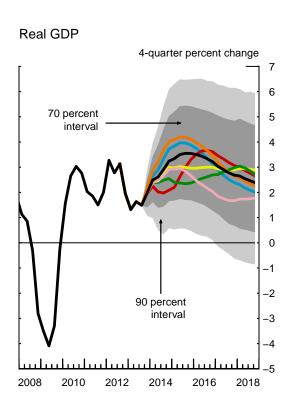
Measure and scenario	2013	2014	2015	2016	2017-
Measure and scenario	H2	2014	2013	2010	18
Real GDP		•		•	
Extended Tealbook baseline	2.2	3.2	3.5	3.2	2.5
Faster recovery	2.6	4.0	4.1	3.4	2.4
Supply-side damage	2.1	2.9	2.6	2.0	1.7
Consumer restraint	2.2	2.5	2.3	2.7	2.8
Low inflation	2.2	3.0	2.9	3.0	2.9
EME financial crisis	2.1	2.0	3.3	3.6	2.8
Higher global growth	2.3	3.7	3.8	3.1	2.2
Unemployment rate ¹					
Extended Tealbook baseline	7.3	6.6	5.9	5.4	5.1
Faster recovery	7.3	6.2	5.2	4.6	4.6
Supply-side damage	7.3	6.2	5.1	4.8	5.2
Consumer restraint	7.3	6.8	6.7	6.7	6.2
Low inflation	7.3	6.7	6.2	5.9	5.1
EME financial crisis	7.3	7.0	6.5	5.9	5.3
Higher global growth	7.3	6.4	5.5	5.0	4.9
Total PCE prices					
Extended Tealbook baseline	1.6	1.4	1.5	1.6	1.8
Faster recovery	1.6	1.4	1.5	1.7	1.9
Supply-side damage	1.6	1.6	1.9	2.0	2.2
Consumer restraint	1.6	1.4	1.4	1.4	1.5
Low inflation	1.3	.5	.3	.2	.3
EME financial crisis	1.3	.1	1.2	1.8	2.2
Higher global growth	1.8	2.1	2.2	1.9	1.7
Core PCE prices					
Extended Tealbook baseline	1.5	1.5	1.6	1.7	1.9
Faster recovery	1.5	1.5	1.6	1.8	2.0
Supply-side damage	1.5	1.7	2.0	2.1	2.3
Consumer restraint	1.5	1.5	1.5	1.5	1.6
Low inflation	1.2	.6	.4	.3	.4
EME financial crisis	1.5	1.1	1.3	1.7	2.1
Higher global growth	1.5	1.7	1.9	2.0	2.0
Federal funds rate ¹					
Extended Tealbook baseline	.1	.1	.9	2.0	3.4
Faster recovery	.1	.2	1.7	3.1	4.5
Supply-side damage	.1	.4	2.3	3.6	4.3
Consumer restraint	.1	.1	.1	.1	1.1
Low inflation	.1	.1	.1	.4	1.3
EME financial crisis	.1	.1	.1	1.2	3.3
Higher global growth	.1	.1	1.4	2.8	4.0

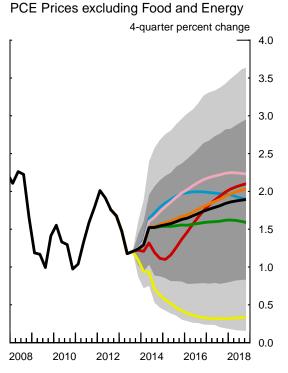
^{1.} Percent, average for the final quarter of the period.

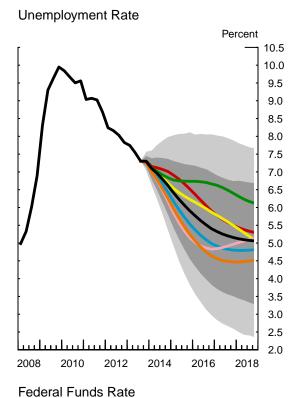
Forecast Confidence Intervals and Alternative Scenarios

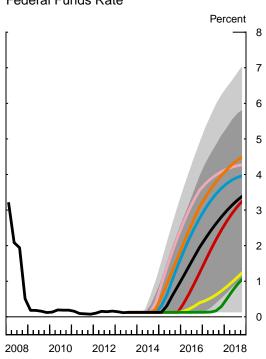
Confidence Intervals Based on FRB/US Stochastic Simulations











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

Measure	2013	2014	2015	2016	2017	2018
Real GDP						
(percent change, Q4 to Q4)						
Projection	2.0	3.2	3.5	3.2	2.7	2.4
Confidence interval						
Tealbook forecast errors	1.5-2.5	1.5-5.0	1.5-5.5			
FRB/US stochastic simulations	1.4–2.5	1.7–5.0	1.7–5.4	1.3-5.2	.7–4.8	.4–4.6
Civilian unemployment rate						
(percent, Q4)						
Projection	7.3	6.6	5.9	5.4	5.2	5.1
Confidence interval						
Tealbook forecast errors	7.2–7.4	5.9-7.3	4.9-6.9			
FRB/US stochastic simulations	7.1–7.4	5.8–7.4	4.6–7.2	3.8–7.0	3.5–6.7	3.3-6.7
PCE prices, total						
(percent change, Q4 to Q4)						
Projection	1.0	1.4	1.5	1.6	1.8	1.9
Confidence interval						
Tealbook forecast errors	.8–1.2	.1-2.6	.2-2.7			
FRB/US stochastic simulations	.7–1.4	.5–2.3	.4–2.5	.4–2.7	.6–2.9	.7–3.1
PCE prices excluding						
food and energy						
(percent change, Q4 to Q4)						
Projection	1.2	1.5	1.6	1.7	1.8	1.9
Confidence interval						
Tealbook forecast errors	1.0-1.5	.9-2.2	.8-2.4			
FRB/US stochastic simulations	1.0–1.4	.9–2.1	.8–2.4	.8–2.6	.8–2.8	.8–3.0
Federal funds rate						
(percent, Q4)						
Projection	.1	.1	.9	2.0	2.8	3.4
Confidence interval						
FRB/US stochastic simulations	.11	.1–.7	.1–2.4	.1–4.0	.5–5.1	1.1–5.8

Note: Shocks underlying FRB/US stochastic simulations are randomly drawn from the 1969–2012 set of model equation residuals.

Intervals derived from Tealbook forecast errors are based on projections made from 1979 to 2012, except for PCE prices excluding food and energy, where the sample is 1981–2012.

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

Alternative Projections

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

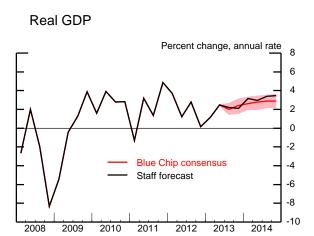
	20	13	20	14	20	15
Measure and projection	Previous Tealbook	Current Tealbook	Previous Tealbook	Current Tealbook	Previous Tealbook	Current Tealbook
Real GDP Staff FRB/US EDO Blue Chip	2.3 1.7 2.2 2.1	2.0 1.5 2.1 2.0	3.1 1.8 3.0 2.8	3.2 2.2 3.1 2.8	3.4 2.3 3.0	3.5 2.6 3.0
Unemployment rate ¹ Staff FRB/US EDO Blue Chip	7.2 7.4 7.5 7.3	7.3 7.4 7.4 7.3	6.6 7.9 7.3 6.8	6.6 7.4 7.2 6.8	5.8 7.9 7.1	5.9 7.1 7.0
Total PCE prices Staff FRB/US EDO Blue Chip ²	1.1 1.0 1.1 1.5	1.0 .9 1.1 1.4	1.2 .8 1.4 2.0	1.4 .9 1.3 2.0	1.4 .8 1.5	1.5 1.0 1.5
Core PCE prices Staff FRB/US EDO Blue Chip	1.2 1.2 1.2	1.2 1.2 1.2	1.5 1.1 1.4	1.5 1.1 1.3	1.6 1.0 1.5	1.6 1.1 1.5
Federal funds rate ¹ Staff FRB/US EDO Blue Chip ³	.1 .1 .4 .1	.1 .1 .4 .1	.1 .1 1.4 .2	.1 .1 1.4 .2	.8 .1 2.1	.9 .1 2.1

Note: Blue Chip forecast completed on October 10, 2013.

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

Risks & Uncertainty

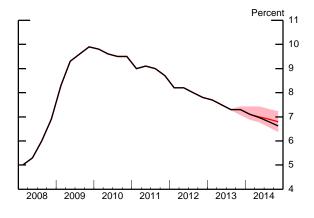
Tealbook Forecast Compared with Blue Chip (Blue Chip survey released October 10, 2013)



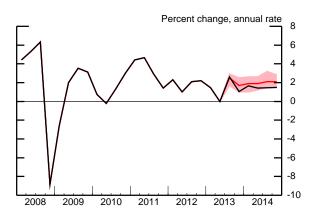
Note: The shaded area represents the area between the Blue Chip top 10 and bottom 10 averages.

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

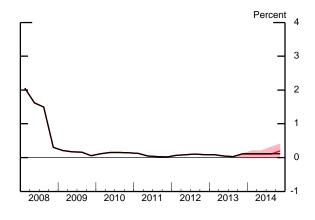
Unemployment Rate



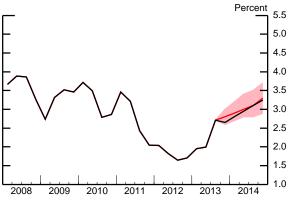
Consumer Price Index



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.

Risks & Uncertainty

Assessment of Key Macroeconomic Risks (1)

Probability of Inflation Events

(4 quarters ahead—2014: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	.03	.01	.06	.05
	.02	.01	.06	.04
Less than 1 percent Current Tealbook Previous Tealbook	.34	.53	.36	.20
	.39	.56	.37	.21

Probability of Unemployment Events

(4 quarters ahead—2014:Q3)

Probability that the unemployment rate will	Staff	FRB/US	EDO	BVAR
Increase by 1 percentage point				
Current Tealbook	.01	.08	.19	.02
Previous Tealbook	.01	.15	.19	.02
Decrease by 1 percentage point				
Current Tealbook	.21	.03	.21	.19
Previous Tealbook	.25	.01	.21	.16

Probability of Near-Term Recession

Probability that real GDP declines in each of 2013:Q4 and 2014:Q1	Staff	FRB/US	EDO	BVAR	Factor Model
Current Tealbook	.02	.05	.05	.06	.09
Previous Tealbook	.02	.08	.04	.05	.09

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. Data for the current quarter are taken from the staff estimate for the second Tealbook in each quarter; if the second Tealbook for the current quarter has not yet been published, the preceding quarter is taken as the latest historical observation.

Greensheets

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

	Nomin	Nominal GDP	Real	Real GDP	PCE pr	PCE price index	Core PCE	Core PCE price index	Unemployment rate ¹	ment rate ¹
Interval	09/11/13	10/23/13	09/11/13	10/23/13	09/11/13	10/23/13	09/11/13	10/23/13	09/11/13	10/23/13
Quarterly 2013:Q1 Q2 Q3 Q3 04	27.8.4.4.2.4.4.1.4.1.4.1.4.1.4.1.4.1.4.1.4.1	2.8. 8.1.2.8.	2.2	2.25	1.1 0. 6.1 8.1	1.1.2.0	4.1 8. 2.1 6.1	4.1 6. 7. 4.	7.7.7.7.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2	7.7. 7.5.7. 8.7.
2014:Q1 Q2 Q3 Q4	4444 5688	4.4.4 4.0.0 0.0	2.7 3.0 3.4 3.3	3.2 3.0 3.5 3.5 3.5	1.0	1.3	\$ 1.5 \$ 2.1 \$ 5.1 \$ 5.1	1.6 1.5 1.5	7.0 6.9 6.7 6.6	7.1 7.0 6.8 6.6
2015:Q1 Q2 Q3 Q4	5.0 5.1 5.2 5.0	4.5.3.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2	8.8.8.8 4.8.8.8.4.	3.6 3.6 3.4	4.1.1.1.1.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4	4.1.1.1.2.1.2.1.2.1.2.1.2.1.2.1.2.1.2.1.	1.6 1.6 1.6 1.6	1.6	6.4 6.2 6.0 5.8	6.4 6.2 6.1 5.9
Two-quarter ² 2013:Q2 Q4	3.3	3.0	2.0	1.8	.6	.5	1.1	1.0	£.	
2014:Q2 Q4	4.3	4.4	2.9	3.1	1.1	1.4	1.5	1.6	£.	£
2015:Q2 Q4	5.1	5.3	3.6 4.6	3.5	1.4	1.5	1.6	1.6	4.4.	4
Four-quarter ³ 2012:Q4 2013:Q4 2014:Q4 2015:Q4 2016:Q4	3.8 3.7 5.1 5.0	6.6.4.6.8. 8.4.7.2.0.	2.0 3.3.3.3 2.4.4.3 3.3.4.4.3 3.3.4.4.3 3.4.4.	33320 33320 33320 33320	1.7 1.1 1.2 1.4 1.6	1.7 1.0 1.4 1.5 1.6	1.7 1.2 1.5 1.6 1.6	1.7 1.2 1.5 1.6 1.6	6. 6. 6. 8. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6.	٠٠٠ ٢٠٠٠ ٢٠٠٠
	4.6 4.3 5.0 5.0 5.0	4.6 4.6 4.2 1.2 5.1 7.1 7.1	2.1.7 9.2.9 4.4.4	2.8 3.2.8 3.5.8 3.5.8	8.1.2.2.1.1.4.2.2.2.2.2.2.2.2.2.2.2.2.2.2	1.8 1.1 1.4 1.5	1.8 1.3 1.4 1.6	1.8 1.3 1.5 1.6	8.1 6.8 6.1 5.5	8.1 7.5 6.9 6.2 5.6

^{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)

	2015^{1} 2016^{1}	3.5 3.2 3.4 3.2	3.7 3.6 3.5 4.5 3.5 3.5 4.4 3.6	3.8 3.1 3.8 3.1 8.7 6.3 3.0 2.5 3.2 2.7	14.1 5.8 14.8 8.9			8	70 59 83 51 68 57 2 2
	2014¹ 20	3.2 3.1	3.3 8.1. 8.2. 8.2.	3.4 9.7 2.5 2.6		4.4 4.9 5.5 5.3 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5		1.5 1.9 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5	88 95 75 13
	20131	2.0	1.5 1.7 2.3 2.6	2.0 2.4 6.7 1.2	11.4	1.8 2.1 2.4 3.0 1	-420 -414 3.7 3.0	2.5 2.5 -7.2 -6.3 -2.3	65 64 45 18
	Q4	3.4	3.6 3.7 4.2 4.4	3.6 3.7 8.3 2.9 3.1	11.2	5.3 5.9 6.1 2.9 2.5	-389 -426 6.4 4.9	4 5 5 7.2- 1.1.	63 69 60 2
2015	Q3	3.6	3.8 3.8 4.4 5.7	3.8 3.8 3.0 3.0 3.2	13.5 14.6	5.2 6.2 6.0 6.0 2.9	-392 -428 6.7 4.9	 7 7.9 -3.9 -3.9 1.1	68 81 66 2
20	Q2	3.6	3.7 3.5 4.6 4.5	3.8 3.8 3.1 3.1	14.9 15.3	5.6 6.4 5.9 5.9 7.7	-397 -433 6.5 5.8	8 8 8 8 8 8 8 8 8 8	74 91 72 2
	Q1	3.6	3.8 3.6 4.6 5.	3.8 3.8 3.0 3.2	16.8 15.9	5.3 5.1 5.8 5.8 5.8 5.8	-395 -425 6.3 4.7	-1.0 9 -4.2 -3.2 1.0	77 90 74 2
	Q4	3.5	3.7 3.5 4.6 4.5	3.8 3.8 10.2 2.9 3.1	18.3 15.9	5.3 6.0 6.0 7.3 8.3 8.3	-399 -425 6.0 4.4	21- 21- 3.4- 5.5- 4.6- 4.6- 4.6- 4.6- 4.6- 4.6- 4.6- 4.6	78 91 65 13
2014	Q3	3.4 3.4	3.6 3.4 4.5 4.5	3.6 9.8 9.8 9.8 9.9	18.3 16.3	5.4 6.3 6.4 6.4 2.1	-402 -426 5.5 3.7	1.8 -1.8 -1.5- -1.5- -4.2	87 97 74 13
20	Q2	3.0	3.0 3.0 4.0 4.2	8.8.9.9.9.5.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4	17.7	0.5.0 6.3.0 6.3.0 6.3.0 7.0 7.0 7.0 7.0 7.0 7.0	-408 -421 4.4 3.3	-2.1 -2.1 -5.7 -6.3 -4.6	93 97 80 13
	Q1	3.2 2.7	2.9 2.5 3.5 3.7	2.9 3.3 9.3 2.1	15.9 14.7	3.2 3.2 3.6 3.6 1.6 1.8	410 416 4.7 3.9	6 -2.3 -1.9 -5.4 -4.0 .3	94 95 79 15
	Q4	2.1	2.2 2.5 3.0 3.7	2.6 3.1 8.1 1.8 1.8	11.0	3.5 3.5 3.5 5.0 5.0 5.0	-410 -408 3.3 3.3	-4.2 -2.7 -10.9 -9.5 -13.1	81 81 62 19
2013	63	2.2	1.4 1.9 2.1 2.3	1.5 2.0 6.7 2.6 .3	7.8	4.8 4.0 4.0 4.0 4.0 5.0 4.0	-425 -406 5.2 4.3	-1.7 -2.5 -6.2 -7.0 -5.0	82 75 64 19
	Q2	2.5	2.1 2.4 2.6 2.9	1.8 2.1 6.2 1.6 1.2	14.2 14.1	4.7 4.4 1.3 .9 .17.6 18.1	-424 -420 8.0 6.9	4 4 1.6 5 4	57 58 33 19
	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	Nonres. priv. fixed invest. Previous Tealbook Equipment & intangibles 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 priv. 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 (2009) 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	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Real GDP Previous Tealbook	1.9	-2.8 -2.8	2	2.8	2.0	2.0	2.0	3.2	3.5 3.4	3.2
Final sales Previous Tealbook Priv. dom. final purch. Previous Tealbook	2.0 2.0 8.8.	2.2. 2.2. 4.4. 1.4.	4	2.0 2.0 3.5 3.5	1.8 1.8 3.0 3.0	2.5 2.5 2.9 2.9	1.5 1.7 2.3 2.6	3.3 8.1. 8.2. 8.2.	6.8. 4. 6. 8. 4. 4. 4.	33.3 3.5 3.5 3.5
Personal cons. expend. *Previous Tealbook** Durables Nondurables Services	1.5 1.1 1.1 1.2	-2.0 -2.0 -12.9 -2.7	2.5 2.5 6	3.1 3.1 9.3 3.3 2.1	2.0 2.0 5.7 7. 1.9	2.0 2.0 7.8 1.6	2.0 2.4 6.7 1.2	3.4 3.6 2.5 2.5	33.0 3.0 3.0 3.0	3.1 3.1 6.3 2.5 2.7
Residential investment Previous Tealbook	-21.3 -21.3	-24.3 -24.3	-10.8 -10.8	-5.2 -5.2	5.6	15.5 15.5	11.4	17.5 15.8	14.1	5.8 8.9
Nonres. priv. fixed invest. Previous Tealbook Equipment & intangibles Previous Tealbook Nonres. structures Previous Tealbook	7.1 7.1 3.9 3.9 17.1 17.1	-8.9 -8.9 -11.8 -11.2 -1.2	-12.2 -12.2 -6.0 -6.0 -27.1	8.1 12.0 12.0 4.0 4.0	8.88 8.77 8.83 8.83 8.83	5.0 3.9 3.9 9.3 9.3 8.3	1.8 2.1 2.4 3.0 3.0 1	44.0 6.7.4 6.8.6 7.5.6 7.7.7	5.2 6.1 6.2 7.9 7.9	4.9 5.0 5.7 7.8 8.2 8.2 8.3
$egin{aligned} & ext{Net exports}^1 \\ & ext{$Previous Tealbook}^1 \\ & ext{Exports} \\ & ext{Imports} \end{aligned}$	-704 -704 -704 7.	-547 -547 -2.9 -5.9	-392 -392 .4 -6.2	463 463 9.8 11.7	446 -446 4.6 3.5	-431 -431 2.4	-420 -414 3.7 3.0	-405 -422 5.1 3.8	-394 -428 6.5 5.1	-372 -409 6.9 4.7
Gov't. cons. & invest. Previous Tealbook Federal Defense Nondefense State & local	1.8 2.7 2.5 2.9 1.2	£ £ 8 8 9 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	2.3 3.9 3.6 4.6 1.3	-1.1 -1.1 3.2 2.0 5.5 -4.0	& & & & & & & & & & & & & & & & & & &	-1.1 -2.3 -5.0 -3.6	-2.6 -2.5 -6.8 -7.2 -6.3	1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5	8 7 4.1.1 1.1.1 4.1.1	9.0 0.0 1 1.5
Change in priv. inventories ¹ Previous Tealbook ¹ Nonfarm ¹ Farm ¹	36 36 37 -1	-34 -34 -35 1	-148 -148 -146 -2	58 58 66 -7	34 40 4-	58 58 69 -7	65 64 45 18	88 95 75 13	70 83 68 2	59 51 57 2

1. Billions of chained (2009) dollars.

Greensheets

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

	2016^{1}	3.2	3.3 3.5 3.0 3.1	2.1 2.1 3. 4. 5. 4. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5.	<i>c</i> i 4:	6 6 6 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4.4 € € € € € € € € € € € € € € € € € €	44 0004	
	20151	3.5	3.6 3.8 3.8 8.8	2.6 2.6 7. 2. 2. 1.4	n'i n'i	7. 9. 9. 1. 1. 7. 9. 9. 1. 1.	0.0.0.8.		1. 2. 0. 1.
	20141	3.2	3.3 3.1 3.5 3.5	2.2. 2.4. 4.5.1	6. <i>i</i> 5.	66625	1 7 6	£ 4	0. 0. 1
	20131	2.0	1.5 1.7 2.0 2.2	4.1 6.1 7.5 7.0 7.0 7.0 7.0	wi wi	ú	0.00	~	vi vi vi 6.
	Q4	3.4	3.6 3.7 3.6 3.6	2.5 2.5 6. 4.1	4. <i>i</i> .	7. 7. 9. 9. 1. 1. 1.	1.0.0.8		1 1 0.
2015	63	3.6	3.7 3.8 3.8 3.8	2.6 2.6 .7 .5 1.5	κi κi	7. 9. 9. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	i. i. e. e. s		5.5.5.0.
20	92	3.6	3.7 3.5 3.9 3.8	2.6 2.6 .7 .5 1.5	n' n'	7. 6. 6. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	 2. 6. 6.	<u></u>	 0 0.
, _	Q1	3.6	3.8 3.9 3.9 3.8	2.6 2.6 .7 .5 1.5	6. 6.	66611	1.0.8.8.		
	Q4	3.5	3.7 3.5 3.9 3.8	2.5 2.6 8. 4.1 4.1	6. 5.	7. 9. 9. 1. 1.	 	£ £ £ 5 - 1 - 0	£ 2:- 0.
14	63	3.8 4.8	3.5 3.7 3.8 3.8	2.5 2.6 7. 1.3	6. <i>c</i> .	7.7.9.9.1.1.	1.1.7.	£; £; 4; 5; 1; 0;	5.0.5.0.
2014	65	3.0	3.0 3.0 3.3 3.5	2.2 2.4 7. 4. 1.1	9.5	66 66 11	1. 1. 6. 5.	4 4 4 £ 0	0. 0. 1.
	Q1	3.2	2.9 2.4 3.0 3.1	2.0 2.3 7. 3.3	<i>i</i> . 4.	<i>i</i> ,	0.5. 9. 9.		www.
	9	2.1	2.5 2.5 3.1	2.1.8 6. 4. 8.	ώ 4 [.]	4 6 6 6 1 1 1	4. <u>1.</u> 4. 0.	**. **. **. **. **. **. **. **. **. **.	0.4 1.0
2013	63	2.2	1.9 1.9 1.9 1.9	1.1. 4. v. 4. c.	5.1.	<i>~i~i~i~i~i~i~i~i~i~i~i~i~i~i~i~i~i~i~i</i>	0.4.7.7.	<u>& & </u>	8. 4. 8. . .
	Q2	2.5	22.2 22.2 4.2 4.2	2;1 2; 4; 5; 5; 5; 5; 5; 5; 5; 5; 5; 5; 5; 5; 5;	4.4.	6 <i>c</i> i	1 .0 1.0 -1.1		4. 6. 6. 1.
	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	Nonres. priv. fixed invest. Previous Tealbook Equipment & intangibles 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 priv. inventories Previous Tealbook Nonfarm Farm

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

		2013			201	14			201	15					
Item	Q2	63	64	Q1	02	63	\$	Q1	02	63	97	20131	20141	20151	2016^{1}
GDP chain-wt. price index Previous Tealbook	6. ⊗:	2.0	1.3	2:1	1.5	4.1.	1.5	1.7	1.6	1.6	1.6	1.3	4. 1. 4.	1.6	1.7
PCE chain-wt. price index Previous Tealbook	-:1 0.	2.0	1.1	1.5	1.3	1.3	1.3	1.4	1. 1. 4. 4.	5.1.	1.5	1.0	1.4	1.5	1.6
Energy Previous Tealbook	-11.9	11.1	-4.2 1.5	1.3	-1.5	-1.2	-1.2	-1.0	-1.3	-1.2	-1.0	-2.4	7	-1.1	¿
Food Previous Tealbook	λi λi	1.5	<i>6</i> ′ ⊗:	9. 9.	9. 9.	۲. ۲.	r: 8:	1.0	1.3	1.3	1. T. 4. 4.	1.1	9. 7.	1.3	1. 1. 4. 4.
Ex. food & energy $Previous Tealbook$	6 %	1.5	4.1.3	1.6	1.6	1.5	1.5	1.6	1.6	1.6	1.6	1.2	1.5	1.6	1.7
Ex. food & energy, market based Previous Tealbook	.s.	1.5	1.2	1.5	1.6	1.5	1.5	1.6	1.6	1.6	1.6	1.2	1.5	1.6	1.7
CPI Previous Tealbook Ex. food & energy	0. 0. 4.1	2.6	1.0	1.7	4:1 8:1	2:1 4:1 8:1	5.1 4.1 6.1	1.6	1.6	1.6	1.6	1.3	1.3	1.6	1.7
Previous Tealbook ECI, hourly compensation ² Provious Tealbook ²	4. 4. 4. 4.	8. 4.c	1.6	2.5	1.8	1.8	2.6	2.7	2.7	2.7	2.7	1.7	2.5 5.5	1.9 7.7	3.0
Nonfarm business sector Output per hour Provious Tealbook	1.8 5.7 5.7	t 27.	<u> </u>		<u>. 1. 1. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4.</u>	1.6	0.7	8.1	1.6	1.9	. i		; <u>1</u> 1 1		5. 6.1 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8
Compensation per hour Previous Tealbook	23	1.5	2.3	2.7	2.7	. 2. 2. 8. 8. 8.	2.9	3.0	3.1	3.1	3.2		2.7	3.1	. 6. 6. 5. 4. 4.
Unit labor costs Previous Tealbook	ج: <u>-</u> :	71	1.5	1.7	1.3	1.2	1.2	1.2	1.5	1.2	1.4	7 6	1.3	1.3	1.5
Core goods imports chain-wt. price index ³ Previous Tealbook ³	-2.4 -2.5	-3.0	&; <i>C</i> ;	1.9	1.5 2.1	1.8	1.5	1.6	1.6	1.6	1.6	-1.1	1.7	1.6	1.6
		,													

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	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
GDP chain-wt. price index Previous Tealbook	2.5	1.9	4.4.	1.8	1.8	1.8	1.3	1. 1. 4. 4.	1.6	1.7
PCE chain-wt. price index Previous Tealbook	3.3	1.5	1.2	1.3	2.6 2.6	1.7	1.0	4.1.2	2.1 4.1	1.6
$\frac{\text{Energy}}{Previous\ Tealbook}$	19.1 19.1	-8.2 -8.2	2.3	6.4	11.7	2.1	-2.4	7	-1.1	5 7
Food Previous Tealbook	4.9 6.4	6.9	-1.8	1.3	5.1	1.2	1.1	9:	1.3	4.1.4.
Ex. food & energy $Previous\ Tealbook$	2.2	1.6	1.4 4.1	1.0	1.8	1.7	1.2	1.5	1.6	1.7
Ex. food & energy, market based Previous Tealbook	2.1	2.2	1.8	r. r.	1.9	1.5	1.2	1.5	1.6	1.7
CPI Previous Tealbook Ex. food & energy Previous Tealbook	4.0 4.0 2.3 2.3	1.6 1.6 2.0 2.0	1.5 1.5 7.1 7.1	1.2 1.2 5.6 6.	88 44 88 44	9.1 9.1 9.1 9.1	1.3 1.4 1.7	1.5 1.3 1.8 1.8	1.6 1.6 1.9 1.9	1.7 1.7 1.9 1.9
ECI, hourly compensation ¹ Previous Tealbook ¹	3.0	2.2 4.4	1.2	2.1	2.2	1.8	2.2	2.5	2.7	3.0
Nonfarm business sector Output per hour Previous Tealbook Compensation per hour Previous Tealbook	2.3 3.9 3.9	3.0 3.0	4.5. 4.2.1. 5.1.	1.9 1.9 1.6	4 4 oʻoʻ	9. 6. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8. 8.	8. 1.1 5. 5.	4.1. 4.4. C.2.	1.8 1.5 3.1 3.1	1.9 3.1.8 4.8.
Unit labor costs Previous Tealbook	1.6	3.2	4.0	<i>c</i> i. <i>c</i> i.	ĸiĸi	4.4. 4.4.	7 6	1.3	1.3	1.5
Core goods imports chain-wt. price index ² Previous Tealbook ²	3.0	3.9	-1.9	2.3	4.4 2.4	<u></u>	-1.1	1.7	1.6	1.6

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

Other Macroeconomic Indicators

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.

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

Greensheets

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

Item	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Employment and production Nonfarm payroll employment ¹ Unemployment rate ² Previous Tealbook ² Natural rate of unemployment ² Previous Tealbook ² GDP gap ³ Previous Tealbook ³	2.1 8.4.8 8.6.0 6.0 6.0 6.0	2.2 6.9 6.9 7.3 7.3 1.4 1.4	5.6 9.9 9.9 9.9 6.0 6.0 6.0 5.2 5.2	8. 9. 9. 5. 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.	2.8 8 8 2.0 7.7 8 8 8 8 6.6.4 3.6 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	2.2. 2.3.7.7.8. 3.5.6. 3.6.6.	2.2.7.2.4.5.2.4.5.6.4.5.6.4.5.6.4.5.6.4.6.6.4.6.6.4.6.6.4.6.6.6.4.6.6.6.4.6.6.6.6.4.6	5.2 6.6 6.6 5.3 5.3 5.3 5.3 5.3	2.9 5.8 5.2 5.2 1.3 -1.3	2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2
Industrial production ⁴ **Previous Tealbook ⁴ **Manufacturing industr. prod. ⁴ **Previous Tealbook ⁴ Capacity utilization rate - mfg. ² **Previous Tealbook ²	7.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2	-8.9 -8.9 -11.6 -11.6 69.9 69.9	-5.5 -5.5 -6.1 -6.1 67.2	6.2 6.4 6.4 72.9 72.9		2.2.2.2.2.8.2.2.2.3.2.2.3.2.2.2.2.2.2.2.	2.9 3.1 2.4 2.6 76.3	4.2 4.6 4.1 3.9 78.0 78.1	3.7 4.0 4.2 4.2 79.6 7.9.6	2.8 3.2 3.7 80.2 80.8
Housing starts ⁵ Light motor vehicle sales ⁵	1.4	.9	.6 10.4	.6 11.5	.6	8. 14.4	.9 15.5	1.2	1.5	1.6 16.6
Income and saving Nominal GDP ⁴ Real disposable pers. income ⁴ Previous Tealbook ⁴ Personal saving rate ² Previous Tealbook ²	4.4 4.1 1.2 2.9 2.9 2.9	-1.0 1.1 1.1 6.1 6.1	.1 6 6 5.7 5.7	4.6 6.7 6.7 7 7 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	3.9 1.4 1.4 5.0 5.0	3.8 3.6 6.6 6.6	3.88 8.88	7.8 2.8 3.6 4.8	5.2 3.3 3.3 1.3 3.2 1.3	6 8 8 8 8 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9
Corporate profits ⁶ Profit share of GNP ²	-9.0 9.9	-30.8	54.5 10.7	17.0	8.4 12.4	2.7	2.9	5.7 12.4	6.2	6.8 12.8
Net federal saving ⁷ Net state & local saving ⁷ Gross national saving rate ² Net national saving rate ²	-267 -73 16.3 1.0	-635 -165 -15.0 -1.6	-1,250 -272 14.7 -1.6	-1,330 -237 15.2 4	-1,248 -213 15.8	-1,110 -253 16.9 1.7	-750 -211 17.7 2.7	-688 -179 18.2 3.3	-658 -133 18.6 3.9	-700 -101 18.9 4.4

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.

^{2.} Percent; values are for the fourth quarter of the year indicated.

3. 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)

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

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 (2009) 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.

a Actual.

Greensheets

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

							Proi	-Projected				
		2C	2013			2014				20	2015	
Measure and country	Q1	Q2	Q3	40	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Real GDP ¹												
Total foreign	1.7	2.2	2.8	3.0	3.2	2.9	3.3	3.3	3.4	3.4	3.5	3.3
Previous Tealbook	I.8	2.1	2.7	3.0	3.2	2.9	3.2	3.3	3.4	3.4	3.5	3.3
Advanced foreign economies	1.4	1.8	1.8	1.9	2.1	1.5	2.1	2.2	2.2	2.2	2.4	2.0
Canada	2.2	1.7	5.6	2.1	2.3	2.4	5.6	5.6	2.5	5.6	2.7	2.7
Japan	4.1	3.8	2.1	3.4	3.9	-2.9	1.9	2.0	1.6	1.1	2.2	-1.7
United Kingdom	1.5	2.7	2.4	2.5	2.3	2.2	2.3	2.5	2.5	2.5	5.6	5.6
Euro area	6	1.1	4.	1.0	1.1	1.4	1.4	1.6	1.8	1.9	1.9	2.0
Germany	0.	2.9	1.3	1.7	1.8	1.9	2.0	2.1	2.2	2.4	2.5	2.5
Emerging market economies	2.1	2.6	3.8	4.1	4.3	4.4	4.5	4.5	4.6	4.6	4.6	4.6
Asia	3.4	5.1	5.7	5.4	5.3	5.4	5.5	5.5	5.6	5.7	9.9	9.6
Korea	3.4	4.5	4.0	3.7	3.6	3.9	4.1	4.2	4.3	4.5	4.6	4.6
China	6.5	7.5	9.4	8.1	7.9	7.8	7.8	7.7	7.7	7.7	7.6	9.7
Latin America	7:	Ξ.	1.9	2.8	3.5	3.5	3.6	3.6	3.5	3.5	3.5	3.5
Mexico	т.	-2.9	2.2	3.0	3.7	3.7	3.7	3.7	3.6	3.6	3.6	3.6
Brazil	2.6	0.9	0.	1.7	2.8	3.1	3.3	3.3	3.5	3.5	3.5	3.5
Consumer prices ²												
Total famiga	c	0	°	9 0	ď	7	ď	ď	ď	ď	7	0 0
rotarious Tealbook	2:4 C C	1.9	0.7	2.0	5.2 V A	3.1	2.2 2.5	., c	.; c	5.7 5.7	2.0	5.0 0.0
Advanced foreign economies	7.7	; <	. i c	- i c		; c	; -	.; - 		- 1 - 1	7.0	5.0
Canada Concientos	. <u>-</u>	ţ. C	1.7	1.1	. <u>~</u>	∞	+ ∝	. <u>~</u>	. ~	. ∝	1.0	-; - - 10
Japan	5 -	· ∝	2.9		2.	× ×	-	6	0.1		2.5	6.7
United Kingdom	2.3	5.1	3.5	3.0	1.7	1.6	1.7	2.7	1.7	1.7		2.8
Euro area	7.	9:	1.9	1.4	1.3	1.3	1.4	1.4	1.5	1.5	1.6	1.6
Germany	1.4	۲.	2.7	1.7	1.6	1.7	1.7	1.8	1.8	1.8	1.8	1.8
Emerging market economies	3.3	3.0	3.3	3.5	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
Asia	3.3	2.0	3.5	3.4	3.2	3.1	3.1	3.1	3.2	3.2	3.2	3.2
Korea	9:	ω	1.4	2.4	3.0	3.0	3.0	3.1	3.2	3.2	3.2	3.1
China	3.2	2.1	3.4	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Latin America	3.5	5.4	5.6	3.9	3.8	3.7	3.7	3.7	3.7	3.7	3.7	3.7
Mexico	3.2	5.3	2.0	3.6	3.5	3.4	3.4	3.4	3.4	3.4	3.4	3.4
Brazil	7.0	5.8	4.6	5.5	5.7	5.6	5.4	5.3	5.3	5.3	5.3	5.3

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

 $^{^2{\}rm Foreign}$ 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)

							Projected	cted	
Measure and country	2008	2009	2010	2011	2012	2013	2014	2015	2016
Real GDP ¹									
Total foreign	r	6.	4.6	3.0	2.2	2.4	3.2	3.4	3.4
Previous Tealbook	7	6.	4.6	3.0	2.2	2.4	3.1	3.4	
Advanced foreign economies	-1.5	-1.5	3.0	1.5	κi	1.7	2.0	2.2	2.3
Canada	1.	-1.4	3.6	2.4	1.0	2.2	2.5	2.6	2.7
Japan	-4.8	5	3.5	1.	ĸ.	3.3	1.2	∞.	1.2
United Kingdom	-4.3	-2.5	1.8	1.1	2	2.3	2.3	2.5	2.5
Euro area	-2.1	-2.3	2.3	7.	-1.0	4.	1.3	1.9	2.0
Germany	-1.8	-2.2	4.2	2.2	ω	1.5	1.9	2.4	2.5
Emerging market economies	£.	3.9	6.3	4.5	4.2	3.1	4.5	4.6	4.6
Asia	∞.	8.0	7.8	4.9	5.3	4.9	5.4	5.6	5.6
Korea	-3.2	6.3	5.0	3.4	1.4	3.9	3.9	4.5	4.5
China	7.6	11.3	6.7	8.7	7.8	7.8	7.8	7.6	7.5
Latin America	4	1	4.7	4.0	3.1	1.4	3.5	3.5	3.4
Mexico	-1.3	-1.2	4.4	4.1	3.2	9:	3.7	3.6	3.4
Brazil	6.	5.3	5.3	1.4	1.4	2.5	3.1	3.5	3.5
Consumer prices ²									
Total foreign	3.3	1.2	3.2	3.4	2.3	2.4	2.6	2.7	2.6
Previous Tealbook	3.3	I.2	3.2	3.4	2.3	2.3	2.6	2.7	
Advanced foreign economies	2.0	2:	1.7	2.2	1.3	1.2	1.8	1.8	1.8
Canada	1.8	∞.	2.2	2.7	6.	1.2	1.8	1.8	2.1
Japan	1.1	-2.0	2	£	2	1.0	2.7	2.5	1.4
United Kingdom	3.9	2.2	3.4	4.6	2.6	2.5	1.9	2.0	1.8
Euro area	2.3	4.	2.0	2.9	2.3	1.2	1.3	1.5	1.7
Germany	1.7	ω	1.6	2.6	2.0	1.6	1.7	1.8	1.9
Emerging market economies	4.6	2.1	4.3	4.3	3.1	3.3	3.3	3.3	3.3
Asia	3.7	1.3	4.3	4.5	2.6	3.0	3.1	3.2	3.2
Korea	4.5	2.4	3.2	3.9	1.7	1.2	3.0	3.2	3.2
China	2.5	9.	4.7	4.6	2.1	2.9	3.0	3.0	3.0
Latin America	9.9	3.9	4. 4.	4.0	4.3	3.9	3.7	3.7	3.7
Mexico	6.2	4.0	4.3	3.5	4.1	3.5	3.4	3.4	3.4
Brazil	6.2	4.2	5.6	6.7	5.6	5.7	5.5	5.3	5.3

 $^1{\rm Foreign}$ 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

		72	2013			2	Projected- 2014	jected		2	2015	
	Q1	Q2	03	9	01	Q2	03	04	01	Q2	03	Q4
					Bill	ions of de	Billions of dollars, s.a.a.r.	a.r.				
U.S. current account balance Previous Tealbook	-419.6 -420.5	-395.6 -393.4	-421.0 <i>-406.9</i>	-423.9 -438.6	-447.6 <i>-473.3</i>	-413.2 -448.5	-426.9 -474.9	435.3 <i>487.7</i>	-459.7 <i>-514.3</i>	-432.5 -494.3	-446.6 -505.9	-458.7 -518.2
Current account as percent of GDP Previous Tealbook	-2.5 -2.5	-2.4 -2.4	-2.5	-2.5 -2.6	-2.6 -2.8	-2.4 -2.6	-2.4 -2.7	-2.4 -2.7	-2.6 -2.9	-2.4	-2.4	-2.5 -2.8
Net goods & services	-490.5	-471.1	-491.3	-498.1	-501.7	-474.5	-477.0	-482.6	-482.7	-463.6	-465.3	-472.5
Investment income, net Direct, net	211.6 276.6	221.1 279.9	220.1 289.6	215.5 300.1	212.2 300.7	202.4	194.8 300.0	188.6 303.6	181.2	172.3	163.4 318.0	155.1 324.9
Portfolio, net	-65.0	-58.9	-69.5	-84.6	-88.5	9.76-	-105.1	-115.0	-127.0	-140.1	-154.6	-169.8
Other income and transfers, net	-140.6	-145.5	-149.8	-141.3	-158.1	-141.1	-144.7	-141.3	-158.1	-141.1	-144.7	-141.3
				A	Annual Data	ıta						
									II	Projected-		
	2008		2009	2010	2011		2012	2013	2014		2015	2016
						Billions	Billions of dollars	5				
U.S. current account balance Previous Tealbook	-681.3 <i>-681.3</i>	•	.381.6 -381.6	-449.5 -449.5	-457.7		-440.4 -440.4	-415.0	-430.8 <i>-471.1</i>		-449.4 -508.2	-471.2
Current account as percent of GDP Previous Tealbook	-4.6 -4.6		-2.6 -2.6	-3.0	-2.9		-2.7	-2.5 -2.5	-2.5		-2.4 -2.8	-2.4
Net goods & services	-702.3	•	-383.7	-499.4	-556.8		-534.7	-487.8	-483.9		-471.0	-451.4
Investment income, net	157.8		132.3	185.7	240.7		232.3	217.1	199.5		0.89	126.5
Direct, net	284.3		257.7	288.0	310.6		293.5	286.6	301.1		315.8	338.8
Portfolio, net	-126.5		5.4	-102.3	3.69-		-61.2	-69.5	-101.:	•	47.9	-212.3
Other income and transfers, net	-136.9	•	-130.2	-135.8	-141.6	•	.138.0	-144.3	-146.3		-146.3	-146.3

Class I FOMC – Restricted Controlled (FR)

Report to the FOMC on Economic Conditions and Monetary Policy



Book B

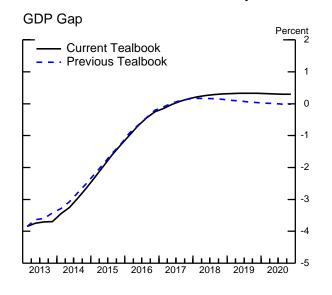
Monetary Policy: Strategies and Alternatives

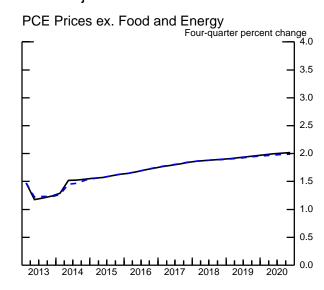
October 24, 2013

Policy Rules and the Staff Projection

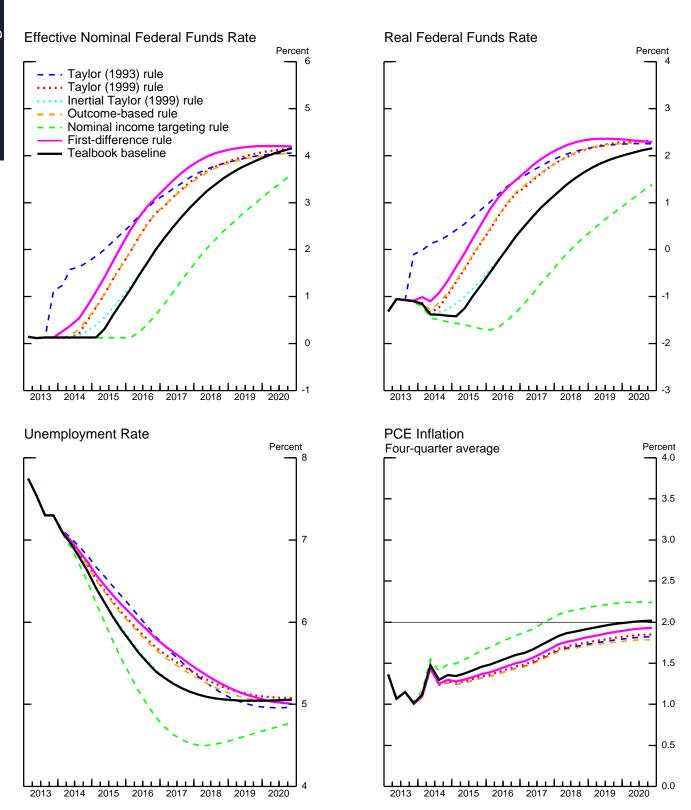
Near-Term Prescriptions of Selected Policy Rules **Constrained Policy Unconstrained Policy** 2014Q1 2013Q4 2013Q4 2014Q1 1.05 1.05 1.23 Taylor (1993) rule 1.23 Previous Tealbook 1.18 1.28 1.18 1.28 Taylor (1999) rule 0.13 0.13 -0.77-0.47Previous Tealbook 0.13 -0.51-0.330.13 -0.01Inertial Taylor (1999) rule 0.13 0.13 -0.08Previous Tealbook outlook 0.03 0.13 0.13 -0.020.13 -0.03-0.04 Outcome-based rule 0.13 Previous Tealbook outlook 0.13 0.13 0.10 0.08 First-difference rule 0.25 0.54 0.25 0.54 Previous Tealbook outlook 0.25 0.47 0.25 0.47 Nominal income targeting rule 0.13 0.13 -0.79-1.45Previous Tealbook outlook 0.13 0.13 -0.70-1.32Memo: Equilibrium and Actual Real Federal Funds Rates Current Current Quarter Estimate Previous Tealbook as of Previous Tealbook Tealbook Tealbook-consistent FRB/US r* estimate -1.44-1.42-1.60Actual real federal funds rate -1.07-1.09

Key Elements of the Staff Projection



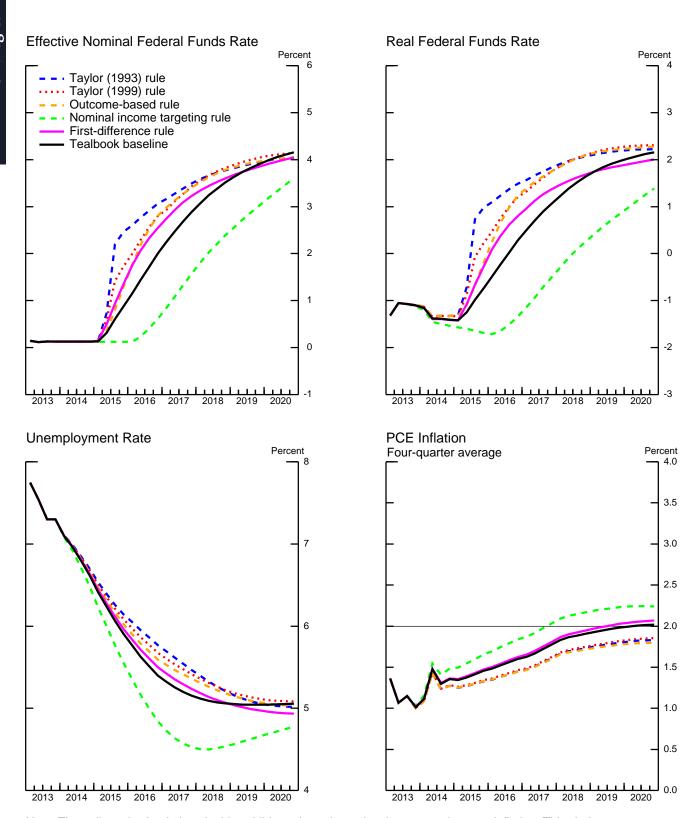


Policy Rule Simulations without Thresholds



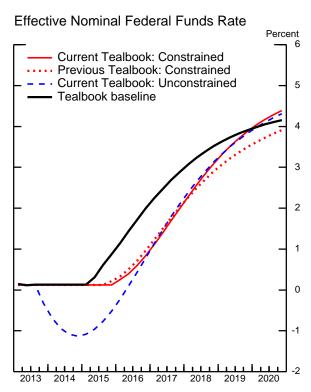
Note: The policy rule simulations in this exhibit are based on rules that respond to core inflation. This choice of rule specification was made in light of the tendency for current and near-term core inflation rates to outperform headline inflation rates as predictors of the medium-term behavior of headline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

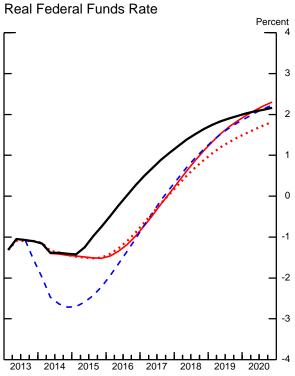
Policy Rule Simulations with Thresholds

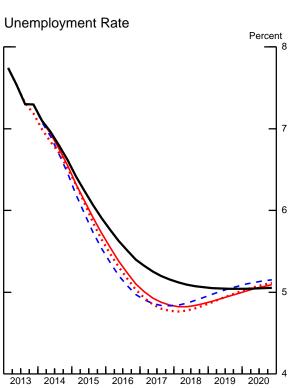


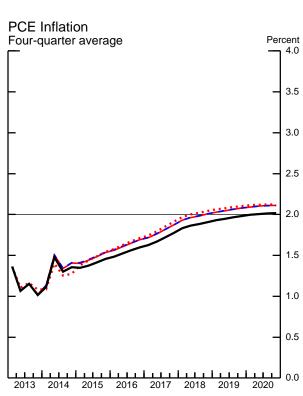
Note: The policy rule simulations in this exhibit are based on rules that respond to core inflation. This choice of rule specification was made in light of the tendency for current and near-term core inflation rates to outperform headline inflation rates as predictors of the medium-term behavior of headline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

Constrained versus Unconstrained Optimal Control Policy









Outcomes under Alternative Policies without Thresholds

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

Measure and scenario	20	13	2014	2015	2016	2017	
	H1	H2					
Real GDP							
Extended Tealbook baseline ¹	1.8	2.2	3.2	3.5	3.2	2.7	
Taylor (1993)	1.8	2.2	2.7	3.2	3.2	2.9	
Taylor (1999)	1.8	2.2	3.0	3.3	3.1	2.8	
Inertial Taylor (1999)	1.8	2.2	3.2	3.5	3.2	2.7	
Outcome based	1.8	2.2	3.0	3.3	3.1	2.8	
First difference	1.8	2.2	2.9	3.2	3.1	2.8	
Nominal income targeting	1.8	2.2	3.6	4.0	3.6	2.8	
Constrained optimal control	1.8	2.2	3.4	3.8	3.5	2.7	
Unemployment rate ²							
Extended Tealbook baseline ¹	7.5	7.3	6.6	5.9	5.4	5.2	
Taylor (1993)	7.5	7.3	6.8	6.3	5.8	5.4	
Taylor (1999)	7.5	7.3	6.7	6.1	5.7	5.4	
Inertial Taylor (1999)	7.5	7.3	6.6	5.9	5.4	5.2	
Outcome based	7.5	7.3	6.7	6.1	5.7	5.4	
First difference	7.5	7.3	6.7	6.2	5.8	5.5	
Nominal income targeting	7.5	7.3	6.5	5.6	4.8	4.5	
Constrained optimal control	7.5	7.3	6.6	5.7	5.1	4.8	
Total PCE prices							
Extended Tealbook baseline ¹	0.5	1.6	1.4	1.5	1.6	1.8	
Taylor (1993)	0.5	1.5	1.3	1.3	1.4	1.6	
Taylor (1999)	0.5	1.5	1.3	1.3	1.5	1.6	
Inertial Taylor (1999)	0.5	1.6	1.4	1.5	1.6	1.8	
Outcome based	0.5	1.5	1.3	1.3	1.4	1.6	
First difference	0.5	1.5	1.3	1.4	1.5	1.7	
Nominal income targeting	0.5	1.6	1.5	1.7	1.8	2.0	
Constrained optimal control	0.5	1.6	1.4	1.5	1.7	1.9	
Core PCE prices							
Extended Tealbook baseline ¹	1.0	1.5	1.5	1.6	1.7	1.8	
Taylor (1993)	1.0	1.5	1.5	1.5	1.6	1.7	
Taylor (1999)	1.0	1.5	1.5	1.5	1.6	1.7	
Inertial Taylor (1999)	1.0	1.5	1.5	1.6	1.7	1.8	
Outcome based	1.0	1.5	1.5	1.5	1.6	1.7	
First difference	1.0	1.5	1.5	1.5	1.6	1.7	
Nominal income targeting	1.0	1.5	1.7	1.8	2.0	2.1	
Constrained optimal control	1.0	1.5	1.6	1.7	1.8	1.9	
Effective nominal federal funds rate ²							
Extended Tealbook baseline ¹	0.1	0.1	0.1	0.9	2.0	2.9	
Taylor (1993)	0.1	1.1	1.7	2.3	3.0	3.5	
Taylor (1999)	0.1	0.1	0.5	1.7	2.8	3.4	
Inertial Taylor (1999)	0.1	0.1	0.3	1.0	2.0	2.9	
Outcome based	0.1	0.1	0.5	1.7	2.8	3.4	
First difference	0.1	0.1	0.8	2.1	3.1	3.8	
Nominal income targeting	0.1	0.1	0.1	0.1	0.6	1.6	
Constrained optimal control	0.1	0.1	0.1	0.2	0.8	2.0	

^{1.} Policy in the Tealbook baseline keeps the federal funds rate at an effective lower bound of 12.5 basis points as long as the unemployment rate is above 6.5 percent and projected one-year-ahead inflation is less than 2.5 percent. Once either threshold is crossed, the federal funds rate follows the prescription of the inertial Taylor (1999) rule.

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

Outcomes under Alternative Policies with Thresholds¹

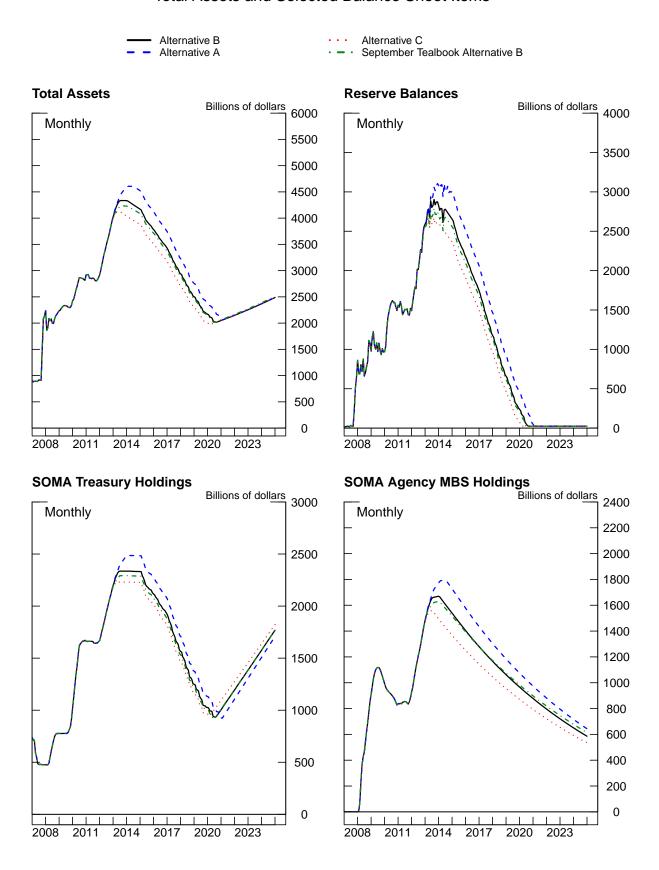
(Percent change, annual rate, from end of preceding period except as noted)

Measure and scenario	20	13	2014	2015	2016	2017
1.1048820 41.10 8001.41.10	H1	H2	201.	2010	2010	2017
Real GDP						
Extended Tealbook baseline ¹	1.8	2.2	3.2	3.5	3.2	2.7
Taylor (1993)	1.8	2.2	3.0	3.2	3.0	2.8
Taylor (1999)	1.8	2.2	3.1	3.3	3.1	2.7
Outcome based	1.8	2.2	3.1	3.4	3.0	2.7
First difference	1.8	2.2	3.2	3.5	3.1	2.8
Nominal income targeting	1.8	2.2	3.6	4.0	3.6	2.8
Constrained optimal control	1.8	2.2	3.4	3.8	3.5	2.7
Unemployment rate ²						
Extended Tealbook baseline ¹	7.5	7.3	6.6	5.9	5.4	5.2
Taylor (1993)	7.5	7.3	6.7	6.1	5.8	5.5
Taylor (1999)	7.5	7.3	6.7	6.1	5.7	5.4
Outcome based	7.5	7.3	6.7	6.0	5.6	5.4
First difference	7.5	7.3	6.6	6.0	5.5	5.2
Nominal income targeting	7.5	7.3	6.5	5.6	4.8	4.5
Constrained optimal control	7.5	7.3	6.6	5.7	5.1	4.8
Total PCE prices						
Extended Tealbook baseline ¹	0.5	1.6	1.4	1.5	1.6	1.8
Taylor (1993)	0.5	1.5	1.3	1.3	1.4	1.6
Taylor (1999)	0.5	1.5	1.3	1.3	1.5	1.6
Outcome based	0.5	1.5	1.3	1.3	1.4	1.6
First difference	0.5	1.6	1.4	1.5	1.6	1.8
Nominal income targeting	0.5	1.6	1.5	1.7	1.8	2.0
Constrained optimal control	0.5	1.6	1.4	1.5	1.7	1.9
Core PCE prices						
Extended Tealbook baseline ¹	1.0	1.5	1.5	1.6	1.7	1.8
Taylor (1993)	1.0	1.5	1.5	1.5	1.6	1.7
Taylor (1999)	1.0	1.5	1.5	1.5	1.6	1.7
Outcome based	1.0	1.5	1.5	1.5	1.6	1.7
First difference	1.0	1.5	1.6	1.6	1.8	1.9
Nominal income targeting	1.0	1.5	1.7	1.8	2.0	2.1
Constrained optimal control	1.0	1.5	1.6	1.7	1.8	1.9
Effective nominal federal funds rate ²						
Extended Tealbook baseline ¹	0.1	0.1	0.1	0.9	2.0	2.9
Taylor (1993)	0.1	0.1	0.1	2.5	3.1	3.5
Taylor (1999)	0.1	0.1	0.1	1.7	2.8	3.4
Outcome based	0.1	0.1	0.1	1.3	2.8	3.4
First difference	0.1	0.1	0.1	1.4	2.5	3.2
Nominal income targeting	0.1	0.1	0.1	0.1	0.6	1.6
Constrained optimal control	0.1	0.1	0.1	0.2	0.8	2.0

^{1.} With the exception of constrained optimal control, monetary policy is specified to keep the federal funds rate at an effective lower bound of 12.5 basis points as long as the unemployment rate is above 6.5 percent and projected one-year-ahead inflation is less than 2.5 percent. Once either of these thresholds is crossed, the federal funds rate follows the prescriptions of the specified rule. Policy in the Tealbook baseline also uses these threshold conditions and switches to the inertial Taylor (1999) rule once either of these thresholds is crossed.

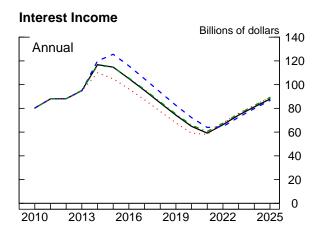
^{2.} Percent, average for the final quarter of the period.

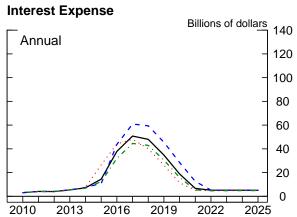
Total Assets and Selected Balance Sheet Items

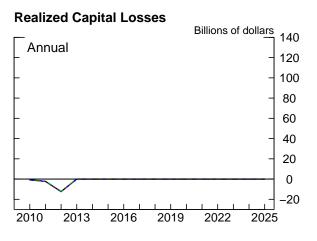


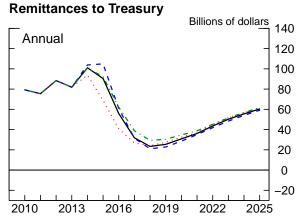
Income Projections

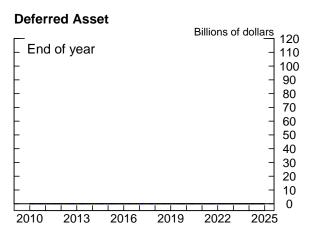


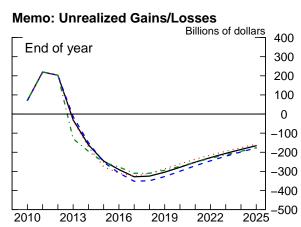












Alternative Projections for the Monetary Base

Percent change, annual rate; not seasonally adjusted										
	rei	T	muai rate, not s	leasonany aujus						
Date		Alternative B	Alternative C	Alternative A	September Alternative B					
					Alternative B					
Quarterly										
2013:	Q4	47.0	46.0	47.1	31.1					
2014:	Q1	23.2	16.9	24.7	20.1					
	Q2	13.4	3.5	16.4	7.9					
	Q3	8.1	2.2	16.8	8.6					
	Q4	2.7	-0.5	10.2	1.3					
2015:	Q1	-4.9	-0.6	1.1	-3.6					
	Q2	-4.5	-4.2	-2.1	-4.0					
	Q3	4.4	-4.2	1.4	5.5					
	Q4	-4.2	-4.1	-0.4	-3.9					
2016:	Q1	-6.6	-6.7	-3.0	-6.6					
	Q2	-12.7	-13.3	-12.1	-13.1					
	Q3	-9.9	-10.2	-9.5	-10.1					
	Q4	-8.2	-8.3	-8.0	-8.3					
Annual										
2013		42.0	41.7	42.1	36.6					
2014		12.3	5.6	18.1	9.7					
2015		-2.3	-3.2	0.0	-1.5					
2016		-9.1	-9.3	-7.9	-9.2					
2017		-9.6	-9.8	-9.3	-9.8					
2018		-14.5	-14.8	-13.9	-14.8					
2019		-15.9	-16.2	-15.5	-16.6					
2020		-15.1	-15.2	-14.9	-15.6					
2021		-8.1	0.1	-13.8	-7.0					
2022		4.4	4.5	0.3	4.8					
2023		4.5	4.5	4.5	4.9					
2024		4.5	4.5	4.5	4.9					
2025		4.6	4.5	4.6	4.9					

Note: For years, Q4 to Q4; for quarters, calculated from corresponding average levels.

MONEY

After a modest increase in September, the staff estimates that M2 will rise more rapidly in October. As discussed in the Financial Developments section of Book A, liquid deposit balances at banks likely surged temporarily during the debt ceiling standoff in mid-October. Smoothing through the effects of that episode, growth of M2 is expected to slow gradually to a rate more in line with nominal GDP through the first quarter of next year. Thereafter, M2 is projected to rise more slowly than nominal GDP in part because investors are assumed to reallocate a portion of their elevated M2 balances to riskier investments as financial and economic conditions improve. M2 growth is further depressed in 2015 and 2016 as the projected rise in short-term market rates increases the opportunity cost of holding M2 assets.

M2 Monetary Aggregate Projections										
(Percent char	(Percent change, annual rate; seasonally adjusted) ¹									
Quarterly										
2013:	Q4	8.0								
2014:	Q1	4.7								
	Q2	3.4								
	Q3	2.4								
	Q4	2.5								
2015:	Q1	-0.4								
	Q2	-1.3								
	Q3	-1.8								
	Q4	-1.9								
2016:	Q1	-1.5								
	Q2	-1.2								
	Q3	-0.9								
	Q4	-0.4								
Annual	Annual									
	2013 6.3									
	2014	3.3								
	2015	-1.3								
	2016	-1.0								

Note: This forecast is consistent with nominal GDP and interest rates in the Tealbook forecast. Actual data through October 14, 2013; projections thereafter.

^{1.} Growth rates are computed from period averages with the exception of annual growth rates which are the change from fourth quarter of previous year to fourth quarter of year indicated.

¹⁰ The staff's M2 forecast is constructed using the staff's forecast of nominal income growth and model-based estimates of interest rate effects, as well as judgmental adjustments.

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

Billions of dollars

	Sep 30, 2013	2013	<u>2015</u>	2017	<u>2019</u>	2021	2023	202
Total assets	3,742	4,020	4,171	3,431	2,503	2,049	2,254	2,48
Selected assets								
Liquidity programs for financial firms	1	0	0	0	0	0	0	
Primary, secondary, and seasonal credit	0	0	0	0	0	0	0	
Central bank liquidity swaps	1	0	0	0	0	0	0	
Term Asset-Backed Securities Loan Facility (TALF)	1	0	0	0	0	0	0	
Net portfolio holdings of Maiden Lane LLC, Maiden Lane II LLC, and Maiden Lane III LLC	1	1	0	0	0	0	0	
Securities held outright	3,475	3,735	3,904	3,207	2,314	1,884	2,107	2,35
U.S. Treasury securities	2,072	2,195	2,332	1,923	1,249	1,004	1,384	1,76
Agency debt securities	61	57	33	4	2	2	2	
Agency mortgage-backed securities	1,342	1,482	1,539	1,280	1,062	878	721	58
Net portfolio holdings of TALF LLC	0	0	0	0	0	0	0	
Unamortized premiums	204	223	206	161	125	99	80	6
Unamortized discounts	-7	-8	-8	-6	-5	-4	-3	-
Total other assets	67	69	69	69	69	69	69	6
Total liabilities	3,687	3,965	4,110	3,355	2,407	1,926	2,099	2,29
Selected liabilities								
Federal Reserve notes in circulation	1,164	1,181	1,332	1,484	1,627	1,782	1,956	2,14
Reverse repurchase agreements	157	100	100	100	100	100	100	10
Deposits with Federal Reserve Banks	2,354	2,674	2,669	1,763	673	39	39	3
Reserve balances held by depository institutions	2,232	2,591	2,655	1,749	659	25	25	2
U.S. Treasury, General Account	88	74	5	5	5	5	5	
Other Deposits	33	9	9	9	9	9	9	
Interest on Federal Reserve Notes due to U.S. Treasury	3	0	0	0	0	0	0	
Total capital	55	55	61	76	97	122	155	19

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, 2013	2013	2015	<u>2017</u>	<u>2019</u>	<u>2021</u>	2023	202
Γotal assets	3,742	3,994	3,881	3,179	2,307	2,048	2,254	2,48
Selected assets								
Liquidity programs for financial firms	1	0	0	0	0	0	0	
Primary, secondary, and seasonal credit	0	0	0	0	0	0	0	
Central bank liquidity swaps	1	0	0	0	0	0	0	
Term Asset-Backed Securities Loan Facility (TALF)	1	0	0	0	0	0	0	
Net portfolio holdings of Maiden Lane LLC, Maiden Lane II LLC, and Maiden Lane III LLC	1	1	0	0	0	0	0	
Securities held outright	3,475	3,710	3,628	2,966	2,127	1,891	2,113	2,3
U.S. Treasury securities	2,072	2,175	2,227	1,818	1,169	1,095	1,456	1,8
Agency debt securities	61	57	33	4	2	2	2	
Agency mortgage-backed securities	1,342	1,478	1,369	1,144	955	794	655	5.
Net portfolio holdings of TALF LLC	0	0	0	0	0	0	0	
Unamortized premiums	204	221	191	149	115	91	74	
Unamortized discounts	-7	-8	-7	-5	-4	-3	-2	
Total other assets	67	69	69	69	69	69	69	(
Total liabilities	3,687	3,939	3,820	3,102	2,210	1,926	2,099	2,29
Selected liabilities								
Federal Reserve notes in circulation	1,164	1,181	1,332	1,480	1,624	1,782	1,956	2,1
Reverse repurchase agreements	157	100	100	100	100	100	100	10
Deposits with Federal Reserve Banks	2,354	2,648	2,380	1,515	481	39	39	
Reserve balances held by depository institutions	2,232	2,566	2,366	1,501	467	25	25	2
U.S. Treasury, General Account	88	74	5	5	5	5	5	
Other Deposits	33	9	9	9	9	9	9	
Interest on Federal Reserve Notes due to U.S. Treasury	3	0	0	0	0	0	0	
Fotal capital	55	55	61	76	97	122	155	19

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, 2013	2013	<u>2015</u>	2017	<u>2019</u>	<u>2021</u>	2023	202
Total assets	3,742	4,024	4,522	3,747	2,758	2,074	2,255	2,48
Selected assets								
Liquidity programs for financial firms	1	0	0	0	0	0	0	
Primary, secondary, and seasonal credit	0	0	0	0	0	0	0	
Central bank liquidity swaps	1	0	0	0	0	0	0	
Term Asset-Backed Securities Loan Facility (TALF)	1	0	0	0	0	0	0	
Net portfolio holdings of Maiden Lane LLC, Maiden Lane II LLC, and Maiden Lane III LLC	1	1	0	0	0	0	0	
Securities held outright	3,475	3,739	4,244	3,514	2,562	1,904	2,104	2,35
U.S. Treasury securities	2,072	2,200	2,484	2,074	1,375	927	1,306	1,70
Agency debt securities	61	57	33	4	2	2	2	
Agency mortgage-backed securities	1,342	1,481	1,727	1,435	1,185	974	796	64
Net portfolio holdings of TALF LLC	0	0	0	0	0	0	0	
Unamortized premiums	204	222	219	172	133	105	86	6
Unamortized discounts	-7	-8	-10	-8	-6	-5	-4	-
Total other assets	67	69	69	69	69	69	69	6
Total liabilities	3,687	3,969	4,462	3,671	2,662	1,952	2,101	2,29
Selected liabilities								
Federal Reserve notes in circulation	1,164	1,181	1,332	1,484	1,627	1,783	1,956	2,15
Reverse repurchase agreements	157	100	100	100	100	100	100	10
Deposits with Federal Reserve Banks	2,354	2,678	3,018	2,078	927	63	39	3
Reserve balances held by depository institutions	2,232	2,595	3,004	2,064	913	49	25	2
U.S. Treasury, General Account	88	74	5	5	5	5	5	
Other Deposits	33	9	9	9	9	9	9	
Interest on Federal Reserve Notes due to U.S. Treasury	3	0	0	0	0	0	0	
Total capital	55	55	61	76	97	122	155	19

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

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

2019:Q4

2020:Q4

2021:Q4

2022:Q4

2023:Q4

2024:Q4

2025:Q4

-30

-23

-18

-14

-11

-8

-6

-30

-23

-18

-15

-11

-8

-6

Alternative Projections for the 10-Year Treasury Term Premium Effect

Date	Alternative B	Alternative C	Alternative A	September Alternative B
		Basis Points		
		Quarterly Average	es	
2013:Q4	-119	-108	-132	-117
2014:Q1	-115	-103	-128	-112
Q2	-110	-98	-123	-107
Q3	-105	-93	-118	-102
Q4	-99	-88	-113	–97
2015:Q1	-94	-84	-107	-92
Q2	-89	-7 9	-102	-87
Q3	-84	-75	-97	-83
Q4	-80	-70	-91	-78
2016:Q1	-75	-66	-86	-74
Q2	-71	-63	-82	-70
Q3	-67	–59	–77	-66
Q4	-63	-55	-73	-62
2017:Q4	-49	-43	-57	-49
2018:Q4	-38	-33	-45	-38

-26

-20

-16

-13

-10

⁻⁷

-5

-34

-27

-20

-16

-12

_9

-6