Economic Advisory Panel Meeting April 18, 2008

Agenda:

Overview of FRBNY Central Scenario (Dick Peach)

Economics of the Federal Reserve's New Lending Facilities (Jamie McAndrews)

Risks to Central Scenario (Simon Potter)

Go-round on monetary policy

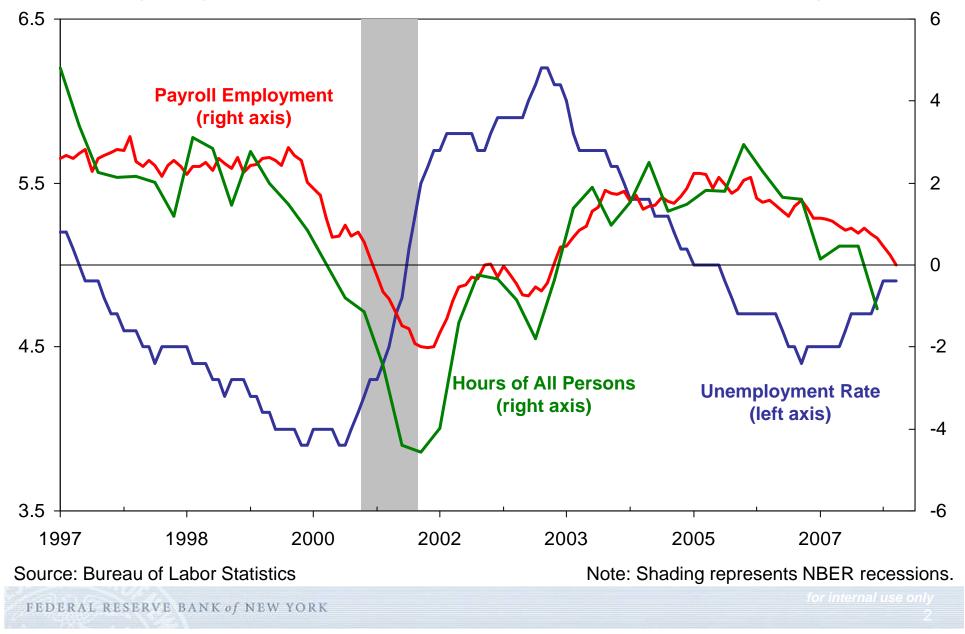


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Labor Market Indicators

3-Month Moving Average

6-Month % Change (Annual Rate)



FRBNY Forecast

	<u>2008H1</u> <u>2008H2</u>		<u>2007</u>	<u>2008</u>		<u>2009</u>	
Real GDP	-0.8	2.8	2.5	1.0	(2.6)	3.0	(2.7)
Total PCE Deflator	3.4	2.0	3.4	2.7	(1.9)	1.7	(1.7)
Core PCE Deflator	2.0	1.8	2.1	1.9	(1.7)	1.8	(1.6)
Unemployment Rate*	5.6	6.0	4.8	6.0	(4.6)	5.6	(4.6)
Growth Contributions							
Final Sales to Domestic Purchasers	-0.4	1.8	2.0	0.7	(2.3)	2.8	(2.6)
Consumption	0.7	1.8	1.8	1.2	(1.9)	1.9	(1.8)
Residential Investment	-1.1	-0.6	-1.0	-0.9	(-0.4)	0.3	(0.1)
Business Fixed Investment	-0.2	0.4	0.7	0.1	(0.4)	0.4	(0.3)
Government	0.2	0.3	0.5	0.3	(0.4)	0.3	(0.3)
Inventory Investment	-0.7	0.6	-0.3	-0.1	(0.0)	0.3	(0.0)
Net Exports	0.4	0.4	0.8	0.4	(0.3)	-0.1	(0.1)

* End of period level.

Note: Oct 2007 forecasts in parentheses

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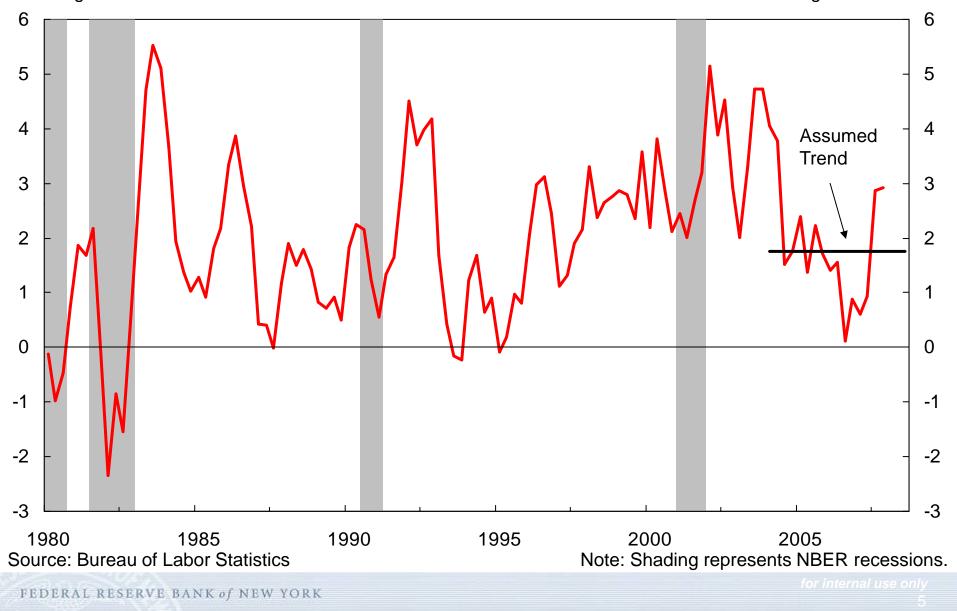
Key Issues Underlying Forecast

- Potential GDP growth estimated at 2 ³/₄%.
- Housing starts bottom out in second half of 2008.
- Home prices decline through 2009.
- Personal saving rate rises gradually over the forecast horizon.
- Export growth slows but remains a significant source of final demand.
- Inventories are near desired levels.
- Downturn relatively short and shallow due to aggressive policy response.

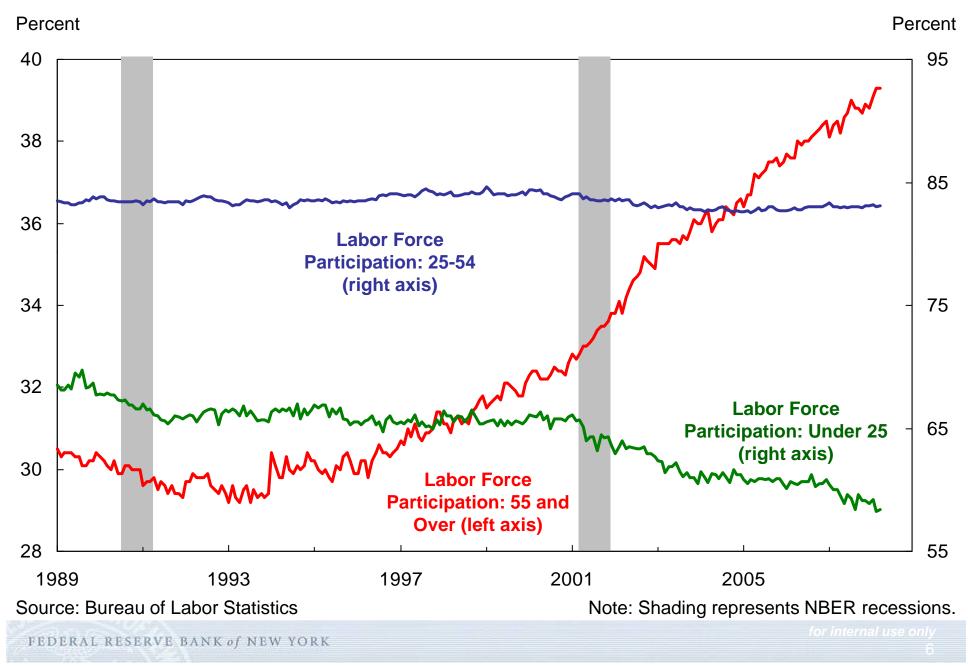
Nonfarm Business Sector: Output per Hour/All Persons

% Change - Year to Year

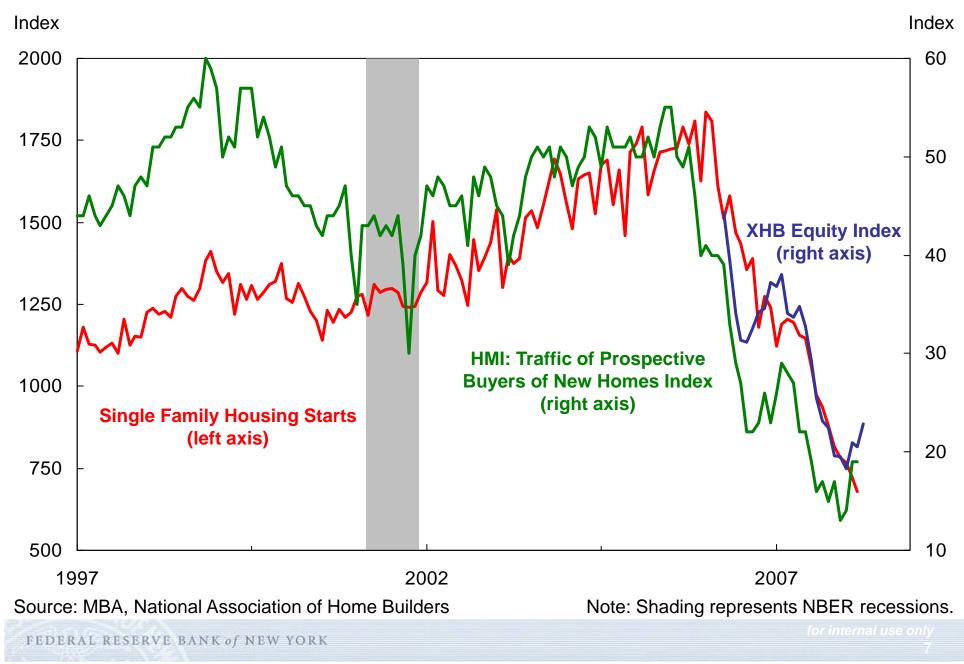
% Change - Year to Year



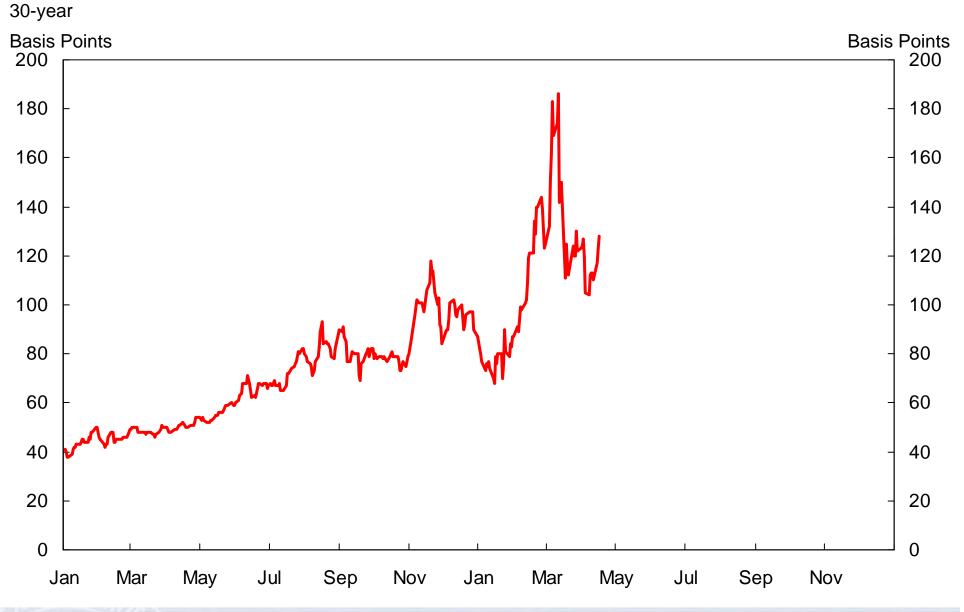
Labor Force Participation



Housing Market Indicators

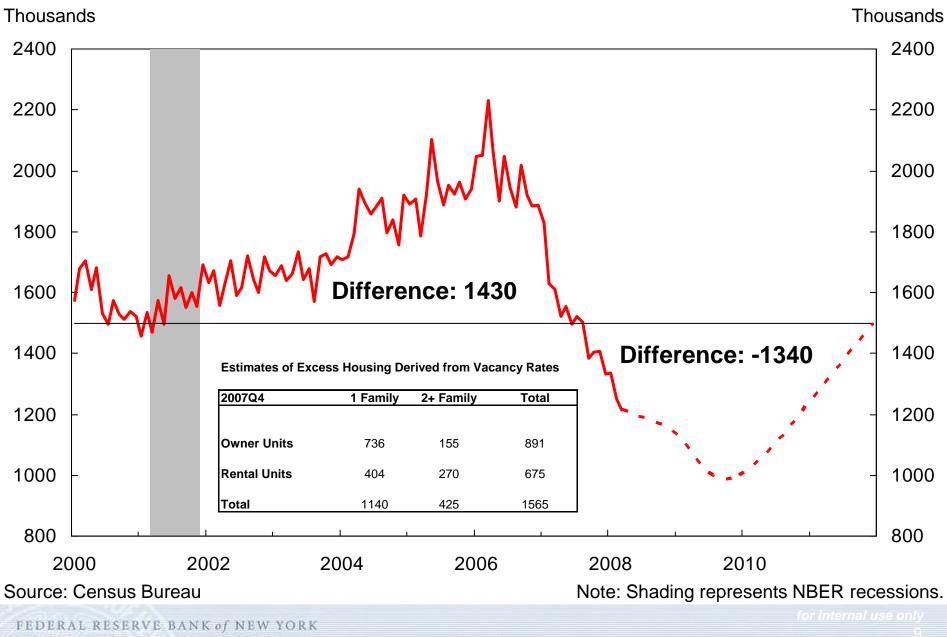


Agency MBS Option-adjusted Spread

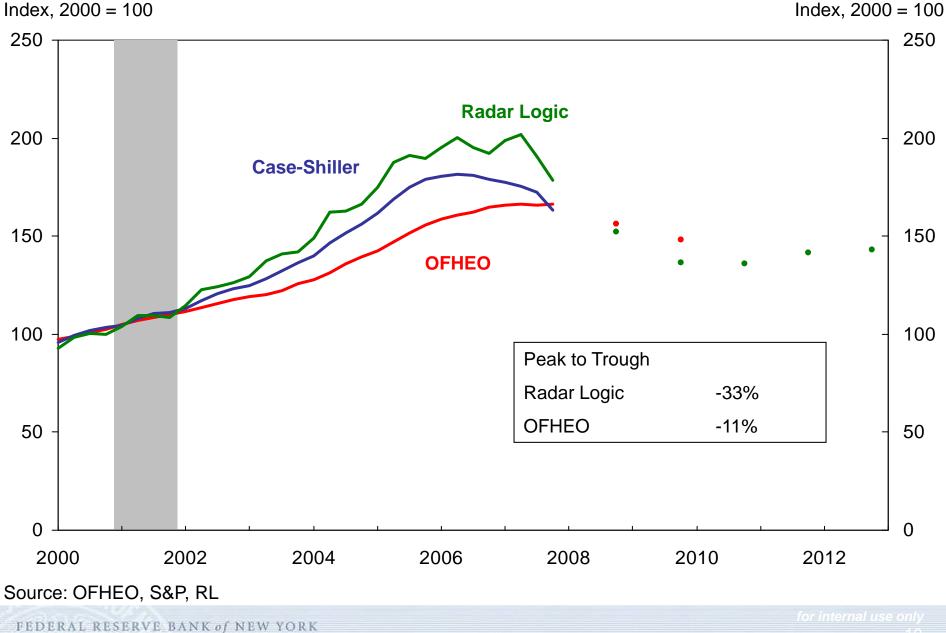


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Housing Completions

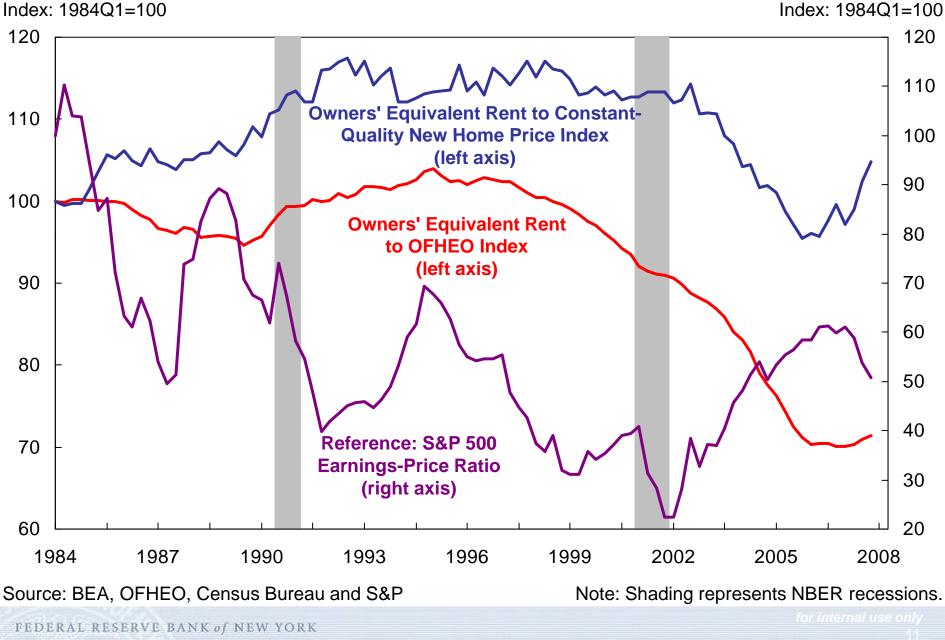


Actual and Projected House Price Indices

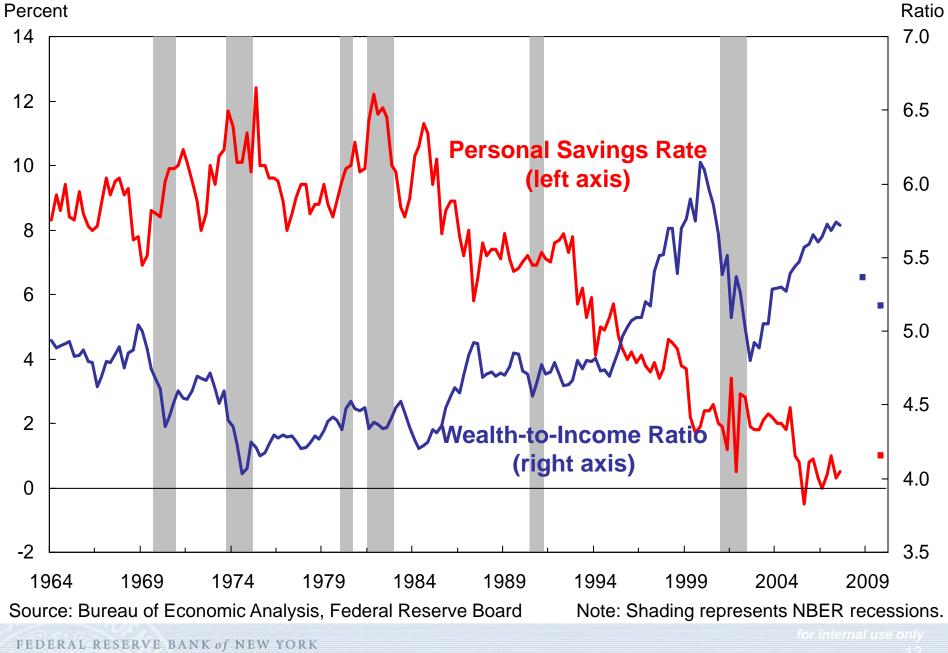


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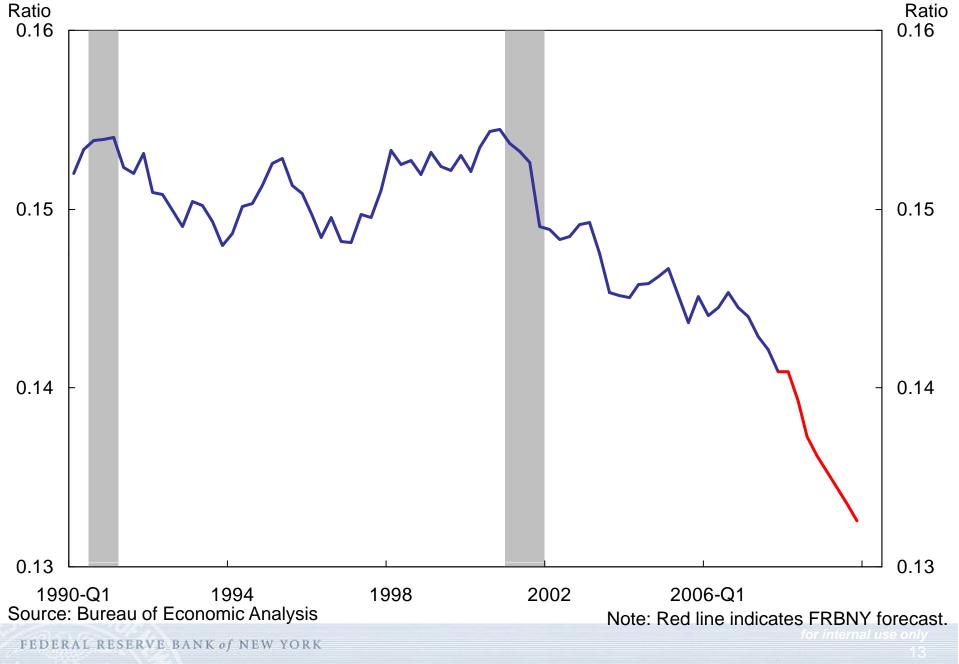
Ratio of Owners' Equivalent Rent to Alternative Price Indexes



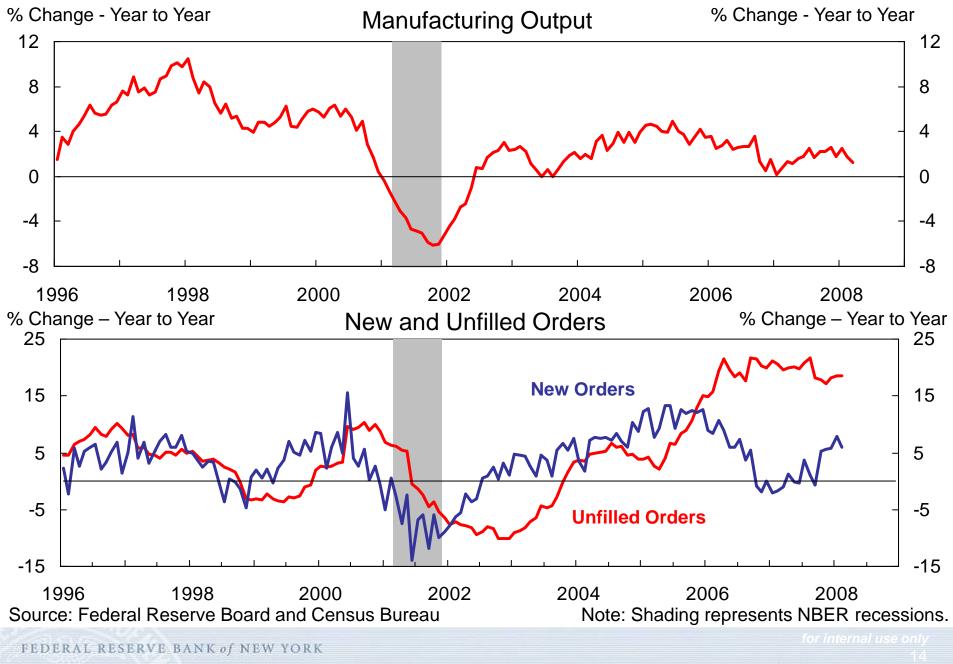
Personal Savings Rate and Wealth-Income Ratio



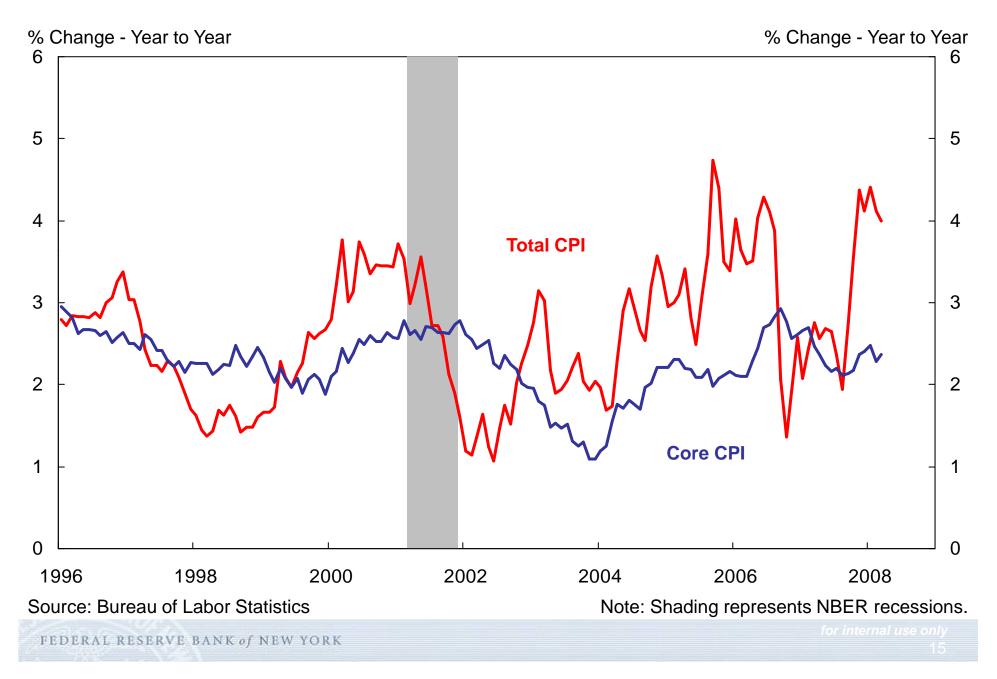
Inventory-Final Sales of Domestic Product Ratio



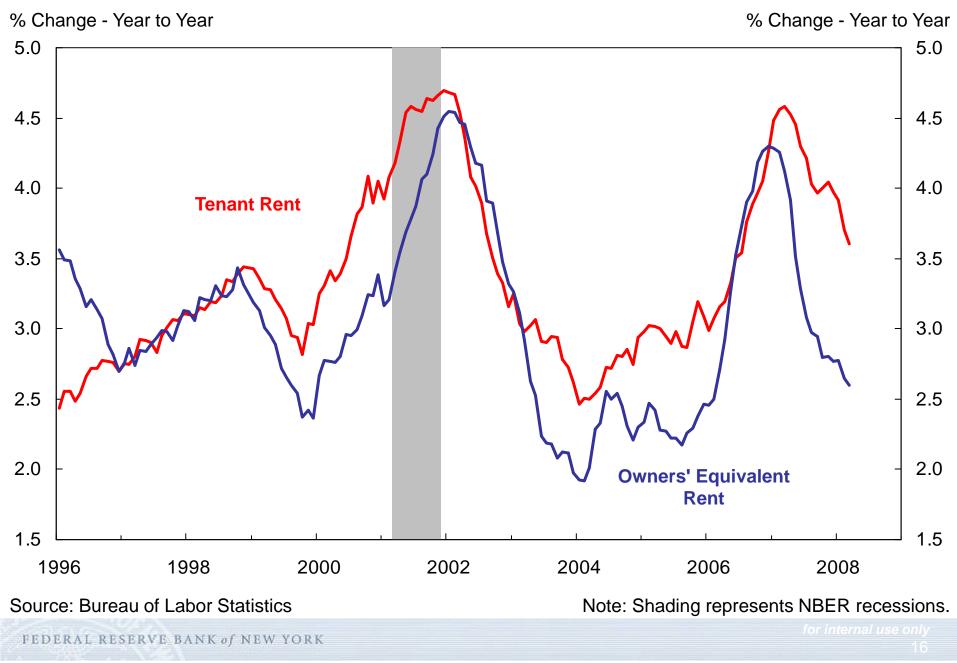
Manufacturing Sector Overview



Total and Core CPI Inflation



Rent Inflation



Overview of Policy Response to Date

- Policy Actions to Stimulate Aggregate Demand
 - Sharp reduction in the federal funds rate.
 - Fiscal stimulus (rebate checks, business investment incentives)
- Policy Actions to Enhance Liquidity
 - New Fed Lending Facilities
- Policy Actions to Reduce Foreclosures
 - Hope Now: voluntary loan modifications in the form of a freeze on adjustable rate mortgages for at-risk homeowners with subprime ARMs facing an interest rate reset.
 - Tax legislation enacted in late 2007 eliminates the implied taxable income from a write down.
- Policy Actions to Increase the Supply of Mortgage Credit
 - Increase in FHA loan limit in high cost areas.
 - Fannie Mae/Freddie Mac
 - OFHEO lowered capital surcharge from 1.3 to 1.2 times statutory capital requirement.
 - Temporary increase in conforming loan limit.
 - Federal Home Loan Banks
 - The Federal Home Loan Bank Board has temporarily lowered the capital requirements of the 12 Federal Home Loan Banks. Rather than 300 percent of equity capital, those banks can now hold mortgage securities up to 600 percent of equity capital.

Economics of the Federal Reserve's New Lending Facilities

Jamie McAndrews



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Purpose of new lending facilities

- The purpose of the new lending facilities is to address funding risks of financial intermediaries and to improve market efficiency in short-term money markets.
- The exceptional circumstances of 2007-2008 interfered with the Open Market Desk's ability to implement monetary policy.
- The new lending facilities are intended to strengthen the effectiveness of monetary policy.

Problems addressed by new lending facilities

- <u>Term Auction Facility</u>: illiquid term markets and the stigma that accompanies discount window borrowing.
- <u>Term Securities Lending Facility</u>: illiquid functioning in repo funding markets—illustrated by abnormal rates and high haircuts.
- <u>Primary Dealer Credit Facility</u>: the lack of market-based back-stop credit in repo markets.

Liquidity: what is it?

The liquidity of money markets is not measured solely by the reserves in the U.S. banking system, or by the size of the Fed's balance sheet.

- Market liquidity is the ease with which an asset is traded.
- Funding liquidity is the ease with which a bank can obtain funding.

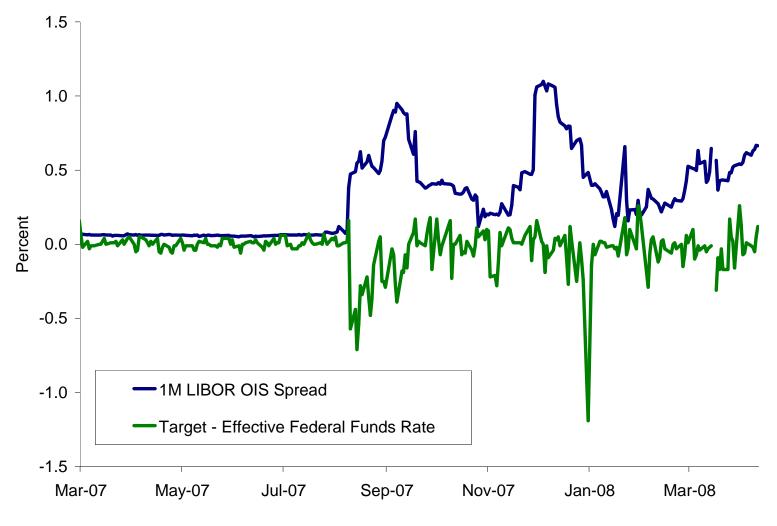
The composition of the Fed's balance sheet can influence both types of liquidity, as the Fed can lend to banks and use assets as collateral.

Federal Reserve lending facilities

	Depository Institutions	Primary Dealers
Backstop Standing Facilities	Primary Credit Program of the Discount Window	Primary Dealer Credit Facility (PDCF)
Auction Facilities	Term Auction Facility (TAF)	Term Securities Lending Facility (TSLF)

Term Auction Facility

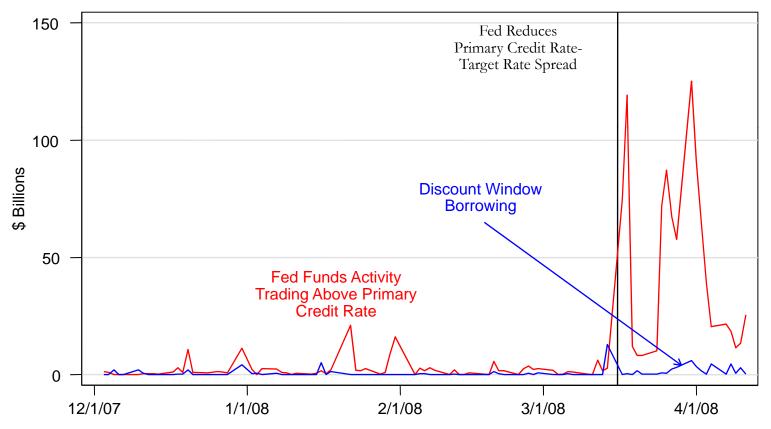
Illiquidity in interbank funding markets



Source: Bloomberg, FRBNY

Recent evidence of stigma in discount window borrowing

Amount of Fed Funds Activity Trading Above Primary Credit Rate Discount Window Borrowing and



Source: FRBNY

TAF addresses the problems

<u>Illiquidity</u>

The ability of banks to bid periodically for 28-day funding reduces their liquidity risks.

<u>Stigma</u>

The auction format of the TAF reduces the chance of a borrower being identified.

The minimum bid rate in the auction is not a penalty rate.

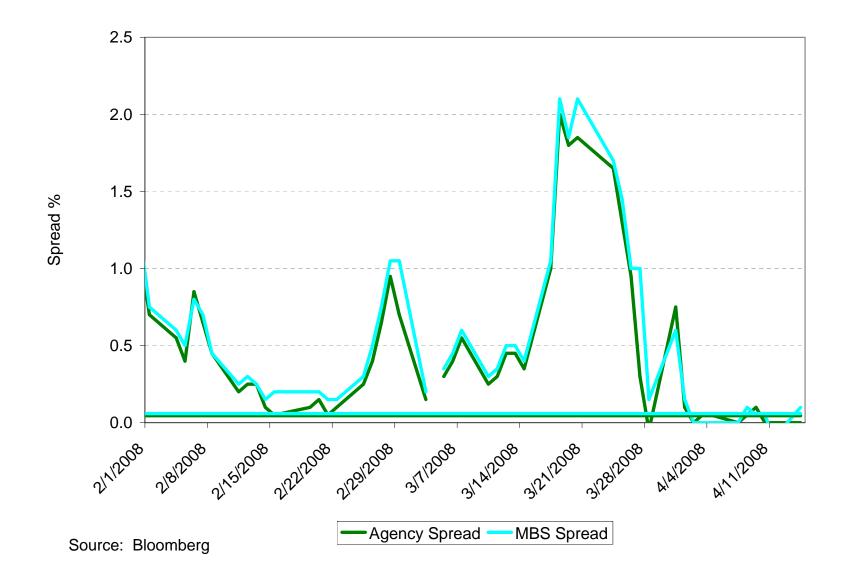
Nonetheless, current conditions are especially strained.

Term Securities Lending Facility

Illiquid repo markets

The TSLF addresses the illiquid functioning in various repo financing markets, including abnormal rates, wide bid-ask spreads, and large and increasing haircuts on collateral.

High overnight agency and MBS spreads to Treasury



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2/29/08

3/7/08

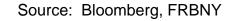
Overnight Treasury Repo — Fed Funds Target

3/14/08

3/21/08

3/28/08

Abnormally low overnight Treasury repo rates



2/8/08

2/15/08

2/22/08

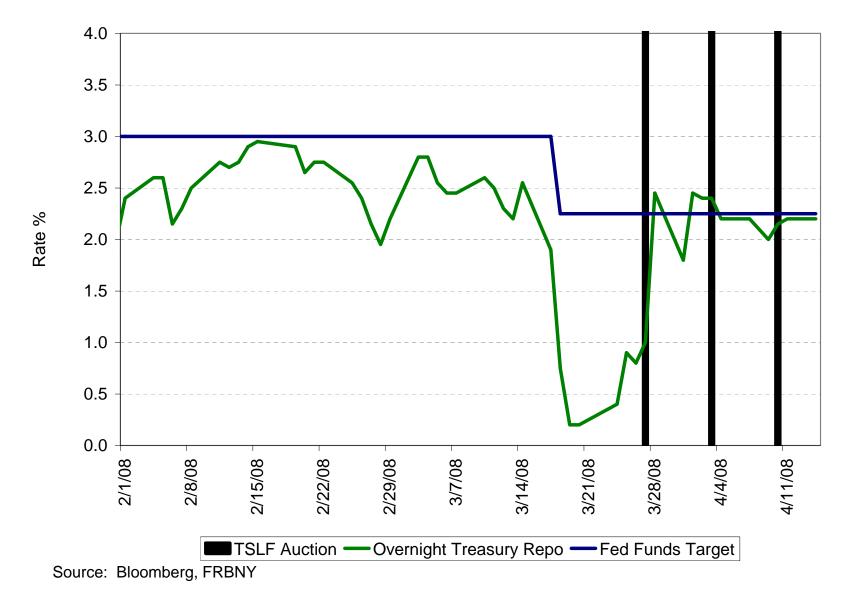
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Abnormally low overnight Treasury repo rates



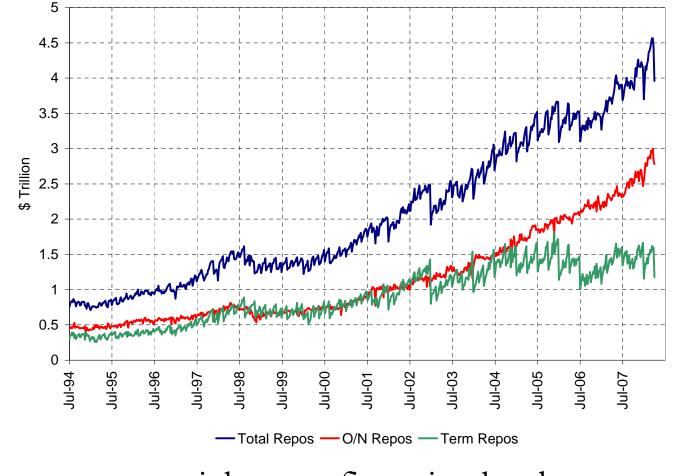
TSLF addresses the problem

The TSLF

- adds Treasuries to dealers' portfolios, reducing their scarcity in the repo market.
- reduces the roll-over risk for dealers in their financing of the alternative assets used as collateral.
- format assists in setting the right price for the Treasuries lent.
- avoids any reserve management problems.

Primary Dealer Credit Facility

Outstanding dealer repos



Reliance on overnight repo financing has been growing.

Source: FRBNY

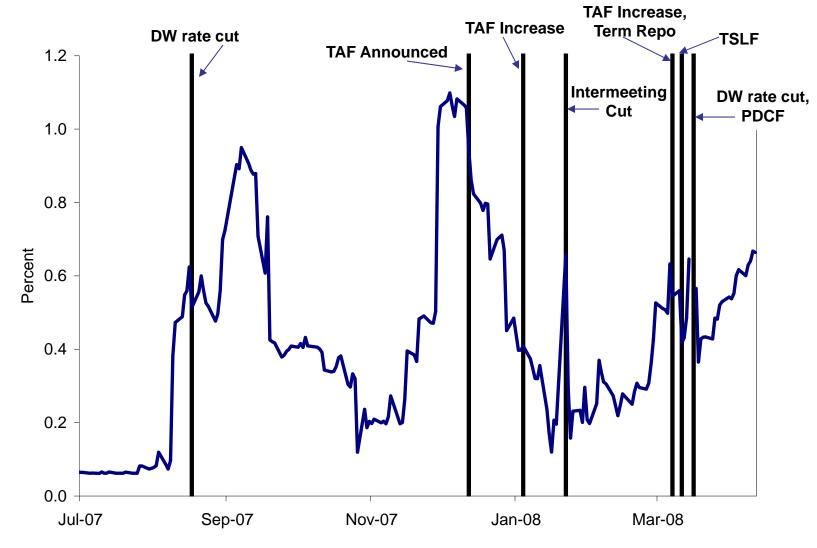
PDCF addresses the problem

The PDCF provides an alternative source of financing to a dealer that has difficulty financing a security in the market.

It was necessary to provide such an alternative in the unusual and exigent circumstances surrounding the near-failure of Bear Stearns.

Use of the auction facilities—the TAF and the TSLF should decline as market conditions return to normal. The Federal Reserve will have the option to adjust many features of the auctions, including reducing their size based on market conditions.

The PDCF is an emergency facility, authorized for at least six months. Other alternatives for back-stop liquidity support for primary dealers can be explored during this time. The Federal Reserve has taken quick steps to monitor the condition of the primary dealers.



LIBOR OIS spread, key Fed action dates

Source: Bloomberg, Board Of Governors

Risks to Central Scenario

Simon Potter



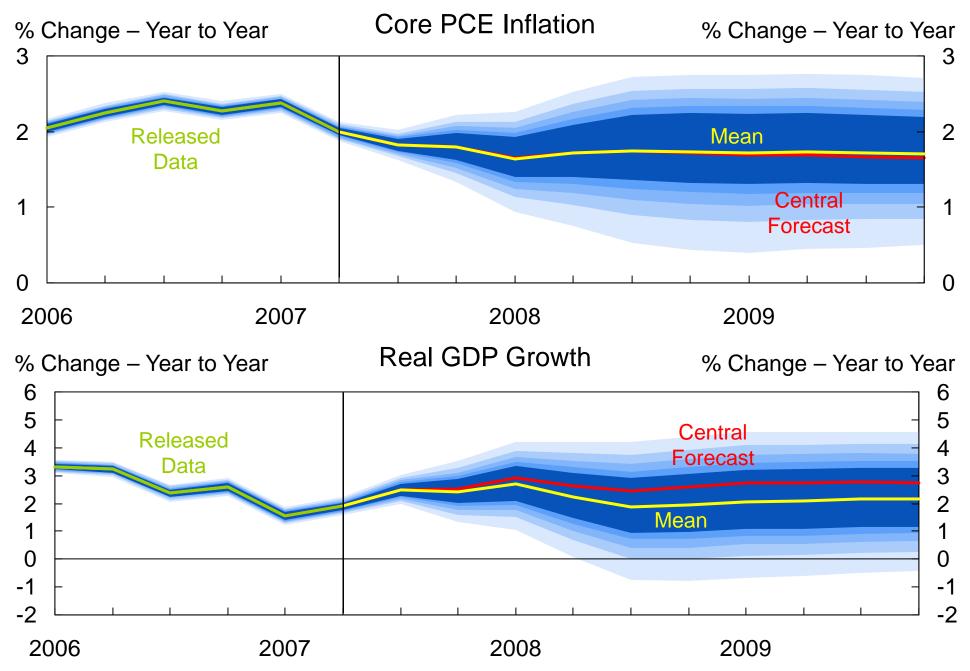
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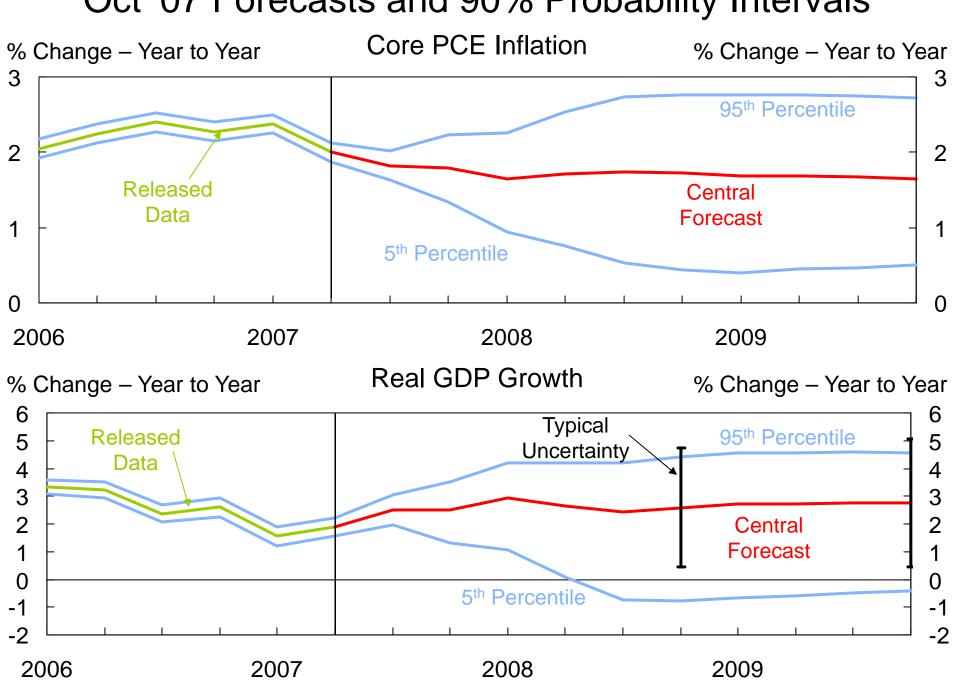
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Main Risks to Central Scenario

Scenario	Evidence in Favor	Effect on Forecast
Credit Crunch (1) Temporary misallocation of resources	Financial market turmoil, rebound in productivity in 2007	Output: Down Inflation: Down
Credit Crunch (2) US Economy over consumed	Current Account Low household savings	Output: Down Inflation: neutral/up
Monetary Policy Stance too Accomodative	Exchange Rate Commodity and Food Prices	Output: Up in short run, down in medium run Inflation: Up, potentially large

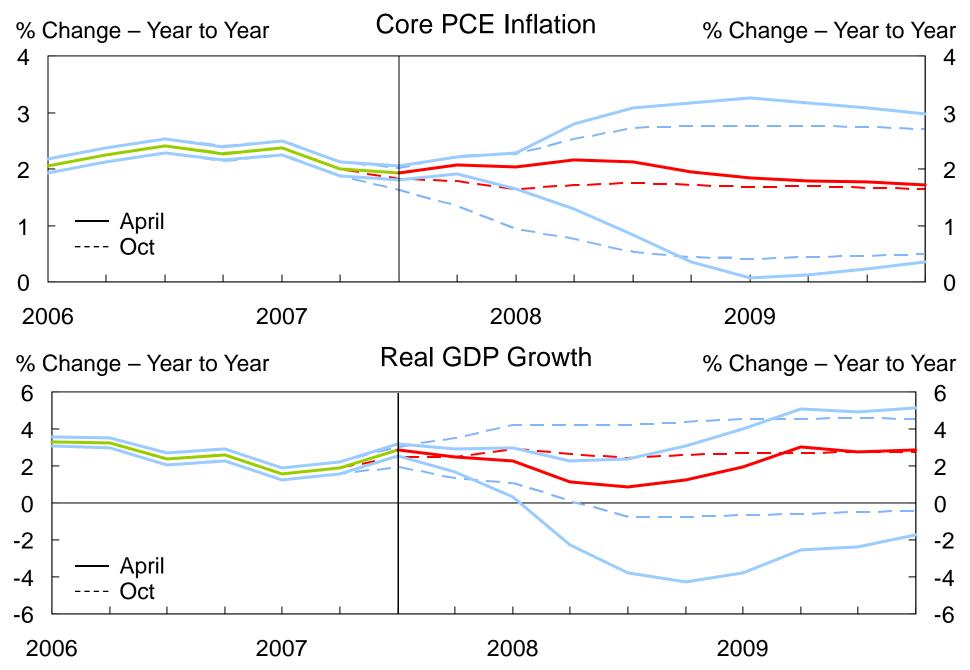
Oct '07 Forecast Distributions



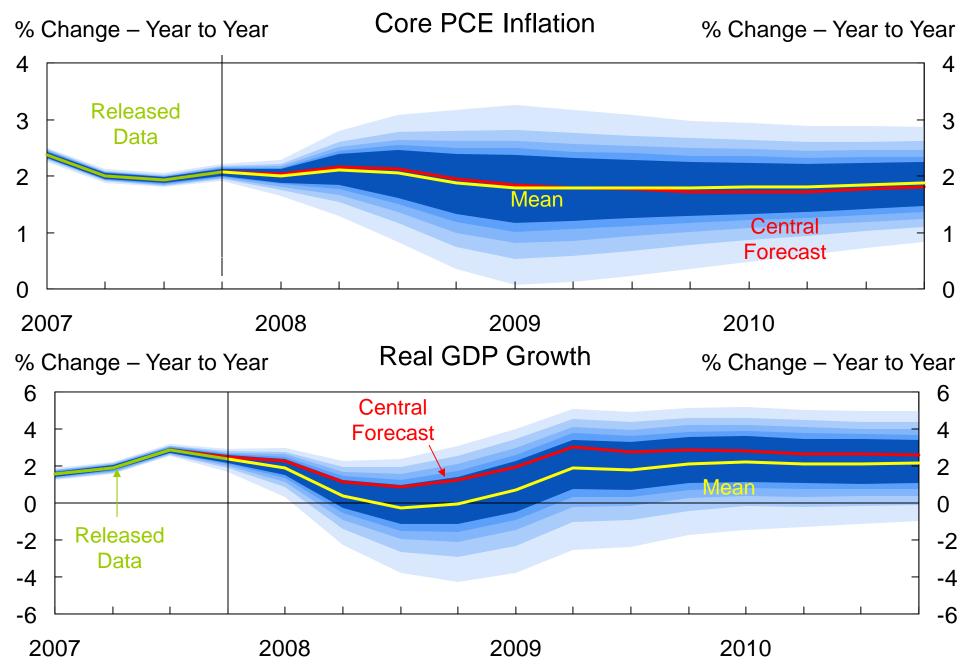


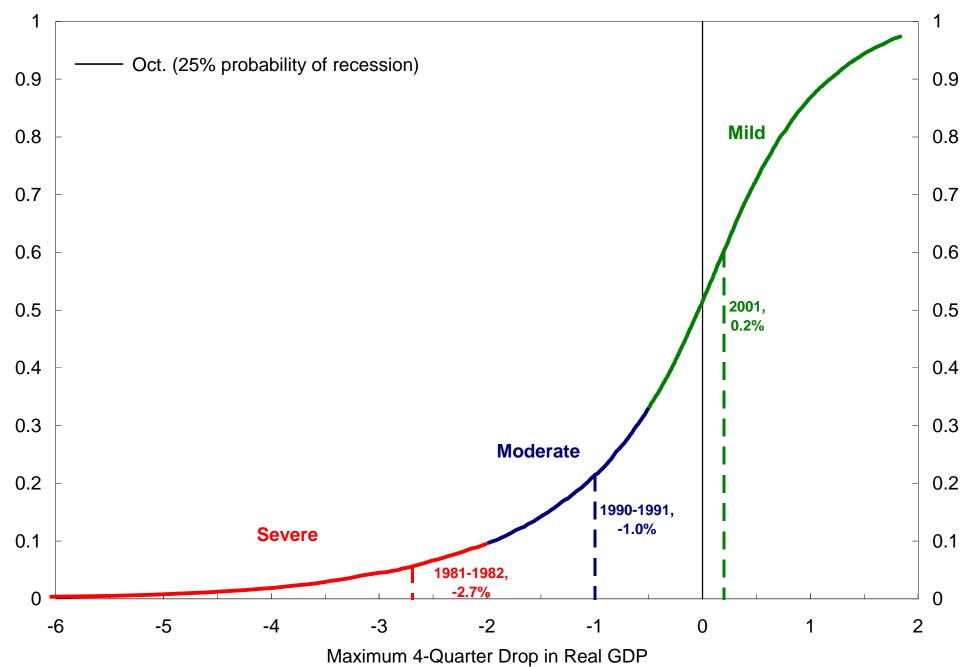
Oct '07 Forecasts and 90% Probability Intervals

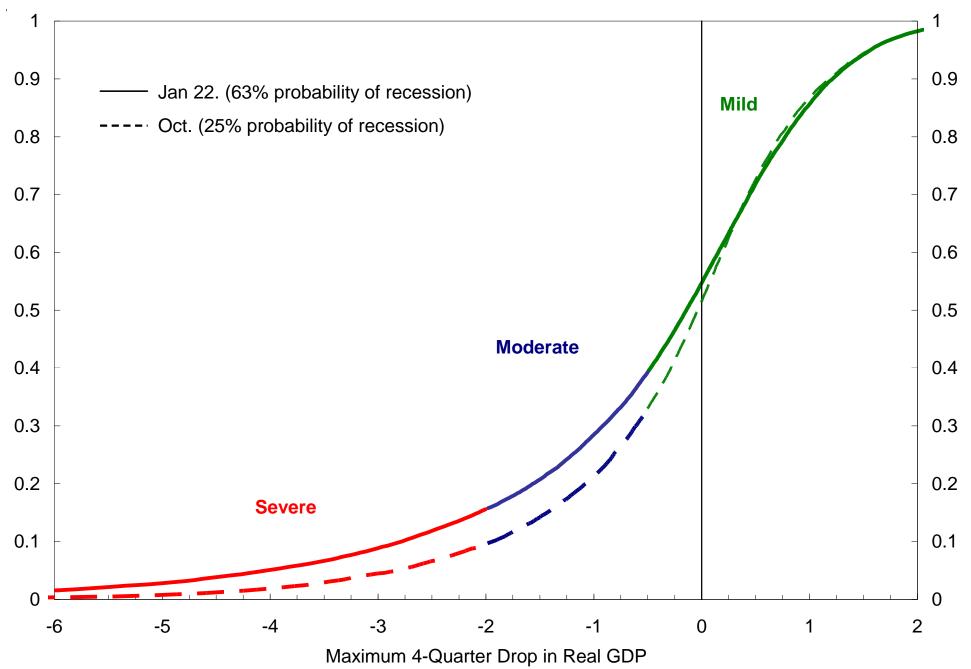
Change from Oct '07 to April '08

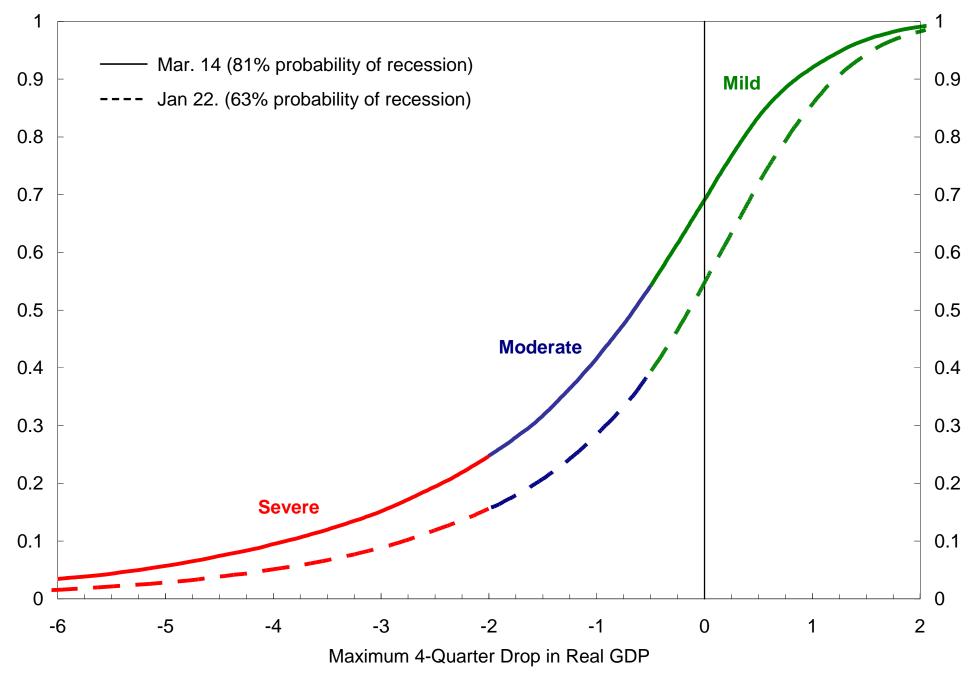


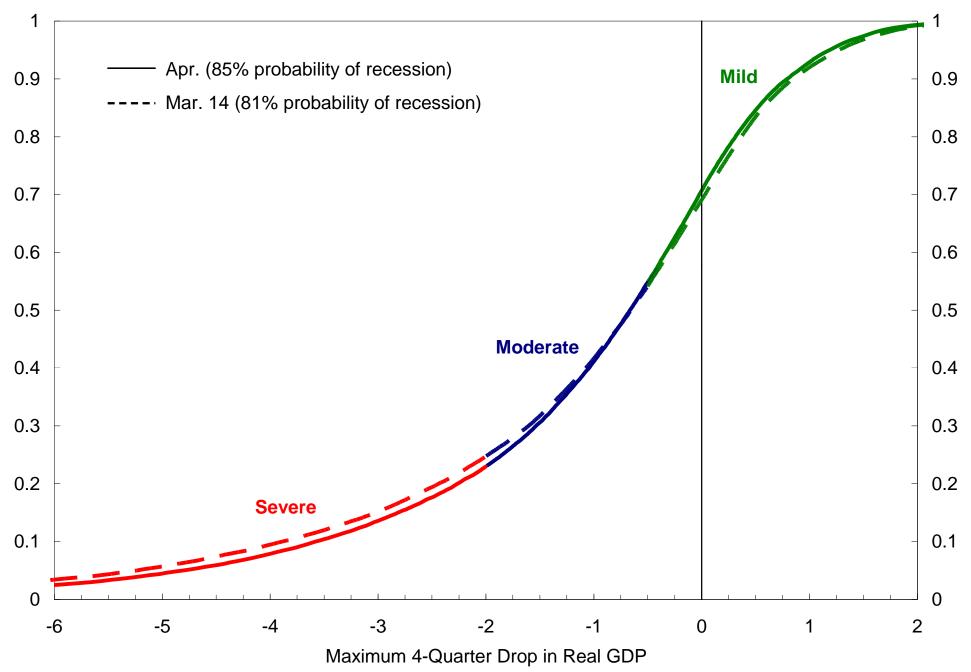
April '08 Forecast Distributions











Some Measures of the Current Stance of Monetary Policy

Policy Rule	Rate Prescription
Contemporaneous Feedback	3.0-4.25
Forecast Based	2.0-3.25
Forecast Based with Risks	1.5-2.75
DSGE Var Counterfactual	2.0-3.5
DSGE Var Counterfactual with Credit Crunch scenario	1.25-2.6



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