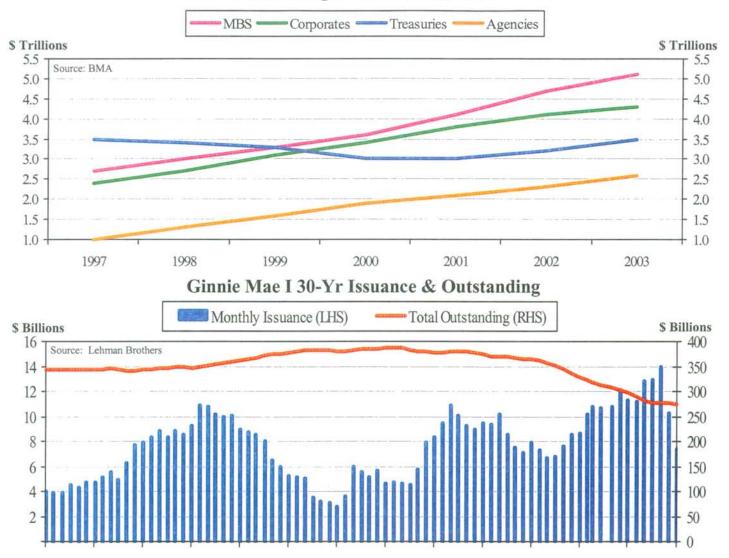
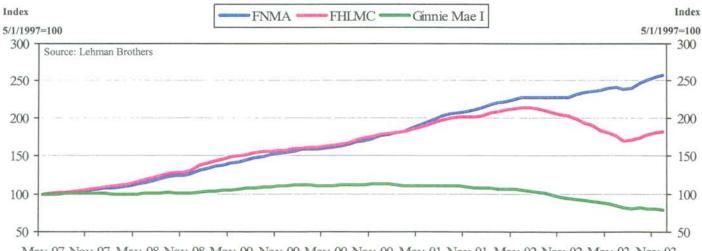
Appendix 1: Materials used by Mr. Kos



Outstanding Debt 1997 - Q3 2003

May-97 Nov-97 May-98 Nov-98 May-99 Nov-99 May-00 Nov-00 May-01 Nov-01 May-02 Nov-02 May-03 Nov-03

30 - Yr Fixed Rate MBS Outstanding: Fannie Mae, Freddie Mac, and Ginnie Mae I



May-97 Nov-97 May-98 Nov-98 May-99 Nov-99 May-00 Nov-00 May-01 Nov-01 May-02 Nov-02 May-03 Nov-03

Appendix 2: Materials used by Mr. Reinhart

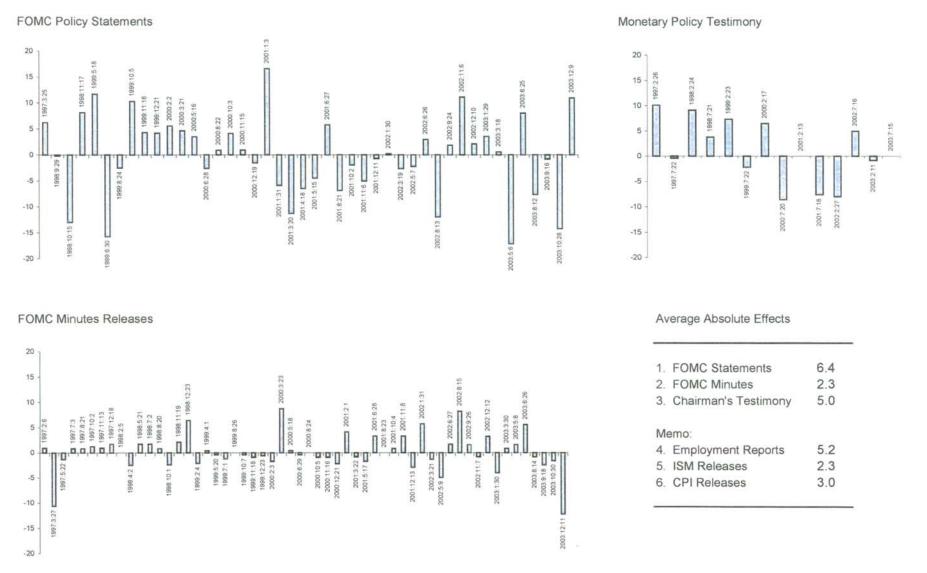
The Committee's Communications Strategy

Vincent Reinhart January 27, 2004

Class I—FOMC Strictly Confidential (FR)

Estimated Effects of Committee Communications

1997 to present, in basis points



Note: Estimated effects are measured as changes in the on-the-run two-year Treasury yield over an interval surrounding the release or the start of the Chairman's testimony. Effects of policy statements are adjusted to remove the estimated direct effect of policy surprises.

Roadmap for Today's Discussion

The options confronting the Committee are interrelated. To facilitate the discussion, this briefing will have five parts:

- Overview of options
- Alternative formulas for the risk assessment
- Expedited release of the FOMC minutes
- An enhanced role for the FOMC projections
- How the pieces might fit together

Options Across the Three Communications Issues

Risk assessment

- Status quo
- Gradual evolution
 - Greater flexibility in assessing risks
 - Include explicit alternative statement language in the Bluebook.
- New formulaic language:
 - Levels A
 - Levels B
 - Changes
- Discontinue the assessment of risks portion of the statement.

Release of the Minutes

- Status quo
- Release approximately
 - *two* weeks after the meeting
 - *three* weeks after the meeting
 - *four* weeks after the meeting

Role of the Projections

- Status quo
- Increase the frequency of the projections.
 - Quarterly
 - Every regular meeting
- Increase the length of the projection period.
- Increase the number of variables in the projections.
- Release of the projections
 - In the MPR
 - In the minutes
 - In a separate document

FOMC-Class I

Lessons from the Working Group: Formulas for the Risk Assessment

Design Principles for the Risk Assessment

- 1. The Committee should vote on the exact wording of the risk assessment.
- 2. The statement should not hamper the policy discussion.
- 3. The statement should be flexible enough to encompass the Committee members' views about the operation of the economy and the concepts that can be usefully measured.
- 4. The statement should be clear to the public.
- 5. The statement should cover the range of feasible contingencies.
- 6. The statement should avoid the use of potentially charged terms.

Key Questions that were Left Unanswered

- Should the wording of the risk assessment be in terms of the levels of output and inflation or their changes?
- 2. What conditioning assumption for monetary policy should be employed?
- 3. Over what period should the outlook and risks be considered?

The "Levels – A" Alternative

The Committee's assessment of the outlook over the next several quarters is that real economic activity may well [fall short of / be about on / exceed] a path consistent with the long-run trend of its potential. Over the same period, inflation may well [fall short of / be about on / exceed] a path consistent with price stability in the long run.

In light of these assessments and its goals of maximum sustainable growth and price stability, the Committee judges that the risk(s)

- of [weak economic activity / unsustainable economic activity] / (and) / [undesirably low inflation / undesirably high inflation] [is a concern / is of greater concern / are both concerns].
- to both of its long-run goals are balanced.

- Stated in terms of levels, with explicit reference to benchmarks for inflation and output.
- Silent about the conditioning assumption for policy, but based on an assumption of "normal" policy.
- Horizon is "several quarters," but outcomes are described relative to paths that continue further into the future.

The "Levels – B" Alternative

The Committee's assessment of the outlook is that the level of economic activity will likely [fall short of / about attain / remain near / exceed] the long-run trend of its potential in the foreseeable future. Over the same period, inflation will likely [fall below / about attain / remain within / exceed] the range consistent with price stability in the long run.

In light of these assessments and its goals of maximum sustainable growth and price stability, the Committee judges that the risk(s)

- of [undesirably weak economic activity / unsustainably strong economic activity] / (and) / [undesirably low inflation / undesirably high inflation] [is a concern / is the greater concern / are both concerns]
- to both of its long-run goals are balanced

- Stated in terms of levels, with explicit reference to benchmarks for inflation and output.
- Silent about the conditioning assumption for policy, but based on an assumption of an unchanged policy stance.
- Horizon is "the foreseeable future."

for the foreseeable future.

The "Changes" Alternative

The Committee's assessment of the outlook is that economic growth will likely [fall short of / about attain / remain near / exceed] its long-run sustainable pace in the foreseeable future. Over the same period, inflation will likely [fall / remain about the same / rise].

In light of these assessments and its goals of maximum sustainable growth and price stability, the Committee judges that

- economic growth [below / equal to / above] its long-run sustainable pace / (and) / [falling / stable / rising] inflation [is the greater concern / is a concern / are both concerns]
- the risks to the achievement of both of its long-run goals are balanced

for the foreseeable future.

Stated in terms of changes in output

- Stated in terms of changes in output relative to potential and changes in inflation.
- References to levels and benchmarks would be in the first paragraph.
- Silent about the conditioning assumption for policy, but based on an assumption of an unchanged policy stance.
- Horizon is "the foreseeable future."

Some Possible Pitfalls

Measurement

- "Long-run trend of potential"
- "Level of potential output"
- "Long-run sustainable pace"
- "Price stability"

Clarity

- "Path consistent with..."
- "Foreseeable future"

Conditioning assumption

- "Normal" policy
- "Appropriate" policy
- Unchanged policy

Expedited Release of the FOMC Minutes

Pros

Cons

- Providing more timely information to the public
- Increasing transparency and accountability
- Potential for shortening the policy announcement

- Possible effects on Committee deliberations
- Possible effects on the minutes
 - Quality
 - Ability to make conditional statements
 - Temptation to send signals
- Possible inappropriate market responses
- Adverse interactions with other aspects of Committee communications
 - Interaction with the MPR and testimony
 - Creating additional news events
- Blackout periods

Enhanced Role for the FOMC Projections

There are several margins over which the Committee can choose:

- Increased frequency (every meeting or every quarter).
- Increased length of projection periods.
- Increased number of variables in the projections
 - e.g., core PCE inflation, potential output growth, the "working definition of price stability," or the width of uncertainty bands for the projections.
- Separate projections from the Monetary Policy Report and testimony.

Pros:

- Providing more timely information to the public.
 - Both about the central tendencies and the range of opinions.
- Increasing transparency and accountability.
- Possible substitute for the risk assessment in the statement.

Cons:

- As a matter of process, should the forecasts be:
 - Included in the minutes of the meetings?
 - Revised after the meetings?
 - Augmented by explanatory text?
- The public might not understand the conditional nature of the projections.
- Separate publication would create additional news events.
- The Committee's credibility could be impaired if the forecasts turn out to be wrong.

FOMC-Class I -11-

Options Across the Three Communications Issues

Risk assessment

- Status quo
- Gradual evolution
 - Greater flexibility in assessing risks
 - Include explicit alternative statement language in the Bluebook.
- New formulaic language:
 - Levels A
 - Levels B
 - Changes
- Discontinue the assessment of risks portion of the statement.

Release of the Minutes

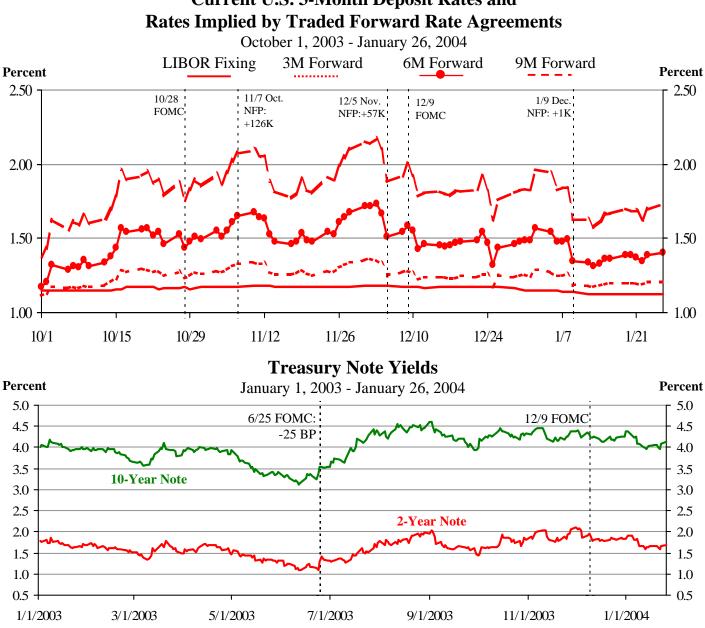
- Status quo
- Release approximately
 - *two* weeks after the meeting
 - *three* weeks after the meeting
 - *four* weeks after the meeting

Role of the Projections

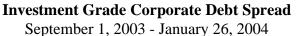
- Status quo
- Increase the frequency of the projections.
 - Quarterly
 - Every regular meeting
- Increase the length of the projection period.
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- Release of the projections
 - In the MPR
 - In the minutes
 - In a separate document

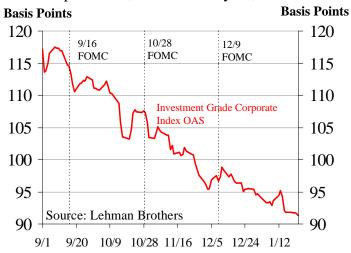
FOMC-Class I -12-

Appendix 3: Materials used by Mr. Kos

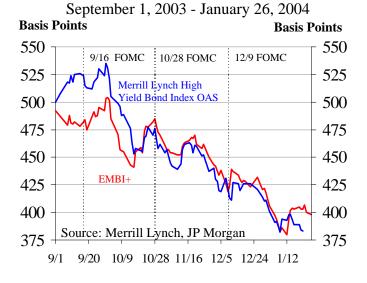


Current U.S. 3-Month Deposit Rates and

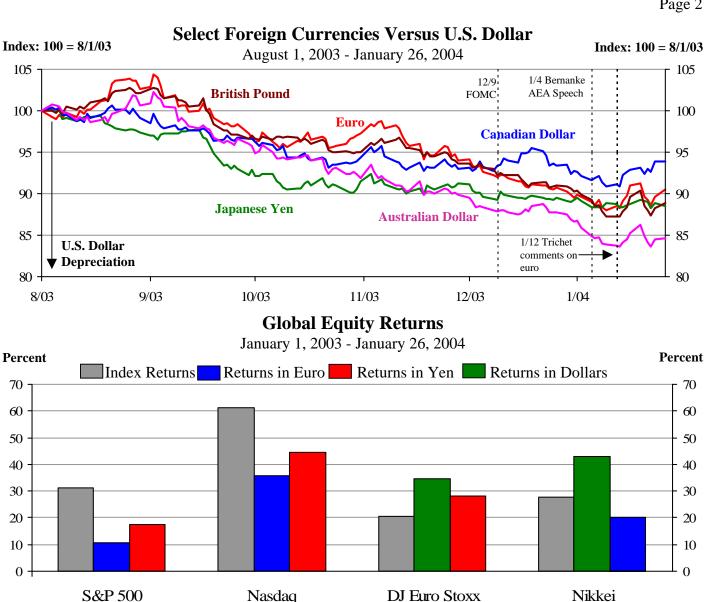


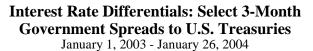


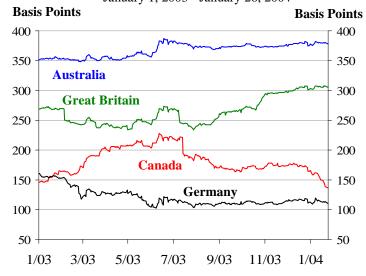
High Yield and EMBI+ Spreads



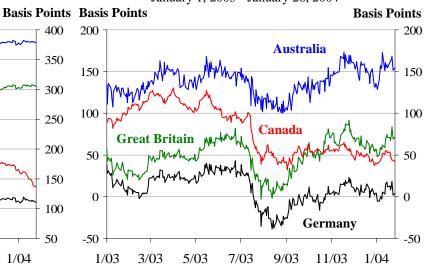
Page 1



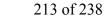




Interest Rate Differentials: Select 10-Year Government Yields less U.S. Treasury Yields January 1, 2003 - January 26, 2004

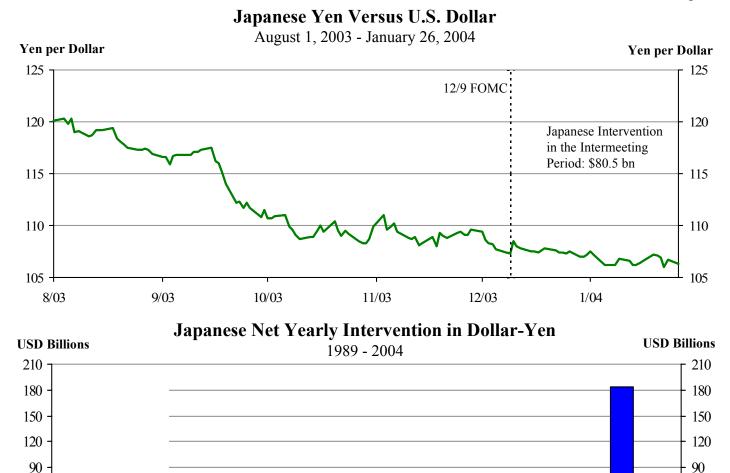


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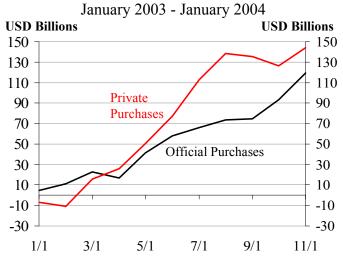
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YTD 0 -30



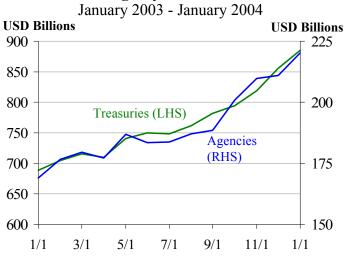


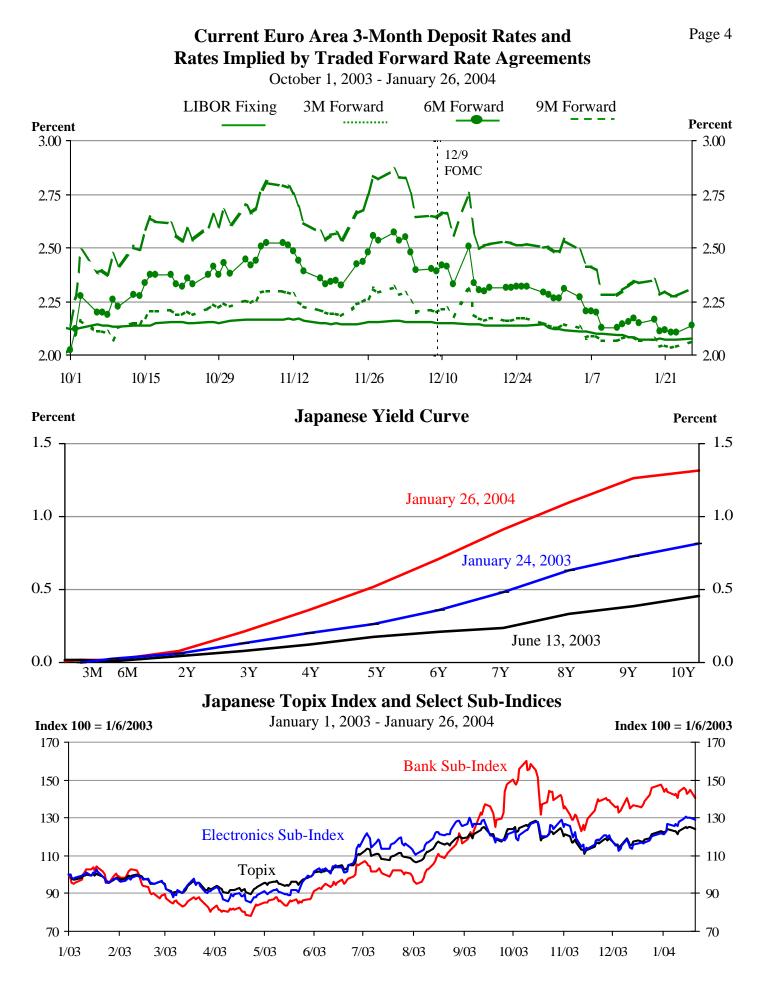
-30



FRBNY Custody Holdings of Treasury and Agency Securities

2001 2002





Orders and Shipments of Durable Goods (Percent change from comparable previous period, seasonally adjusted)

		2003			2003	
Category	Q2	Q3	Q4	Oct.	Nov. ^r	Dec. ^a
	1	Annual rate]	Monthly rate	e
Nondefense capital goods						
Orders	12.9	17.9	5.0	2.4	-6.0	0.2
Aircraft	2140.8	36.1	1.1	31.1	-14.5	13.7
Excluding aircraft	3.2	17.1	5.1	1.4	-5.6	4
Computers and peripherals	65.1	26.6	0.9	8	0.1	2.0
Communications equipment	-31.2	80.8	-56.2	16.3	-48.5	-21.3
All other	1.0	7.6	21.0	8	2.4	1.4
Shipments	5.7	16.4	7.4	0.3	0.4	2
Aircraft	8.6	32.6	-8.5	-9.6	18.8	-13.2
Excluding aircraft	5.6	15.6	8.3	0.8	4	0.5
Computers and peripherals	35.8	43.5	3.4	4.6	-2.4	-1.3
Communications equipment	-6.5	35.2	7.9	2.8	-1.3	-1.0
All other	2.7	8.4	9.3	3	0.2	1.0
Supplementary, orders series						
Durable goods	8	17.1	15.9	3.9	-2.3	0
Real adjusted durable goods	-1.6	17.8	10.7	3.1	-2.4	.0
Capital goods	10.8	14.9	9.7	4.7	-5.3	0.2
Nondefense	12.9	17.9	5.0	2.4	-6.0	0.2
Defense	-2.1	-3.8	47.2	23.2	-1.3	0.1

r Revised.

a Advance.* Contains industry detail not shown separately.

Appendix 5: Materials used by Messrs. Slifman, Struckmeyer and Kamin

STRICTLY CONFIDENTIAL (FR) CLASS I-FOMC*

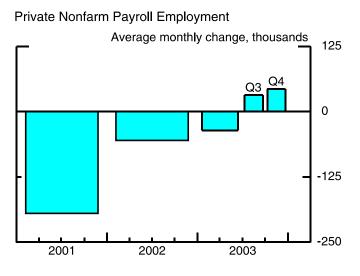
Material for

Staff Presentation on the Economic Outlook

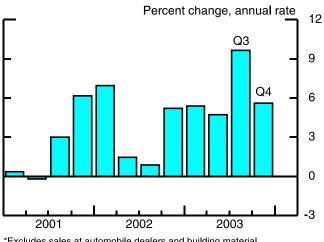
January 28, 2004

*Downgraded to Class II upon release of the February 2004 Monetary Policy Report.

Near-Term Developments

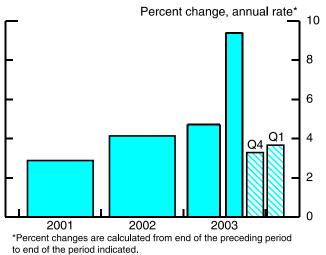


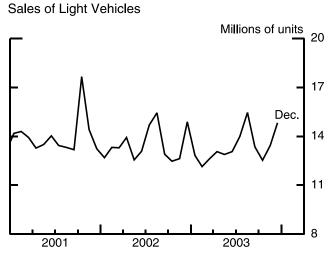
Real Retail Sales*



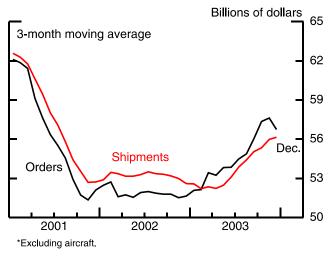
*Excludes sales at automobile dealers and building material and supply stores.

Nonfarm Business Productivity





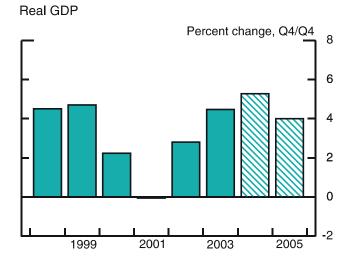
Orders and Shipments of Nondefense Capital Goods*



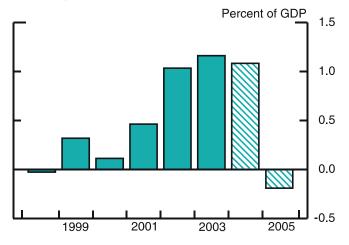
Real GDP



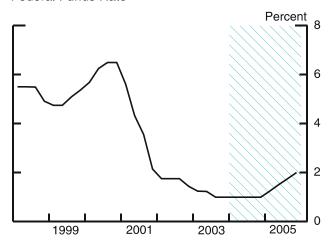
Chart 2 The Longer-Run Outlook

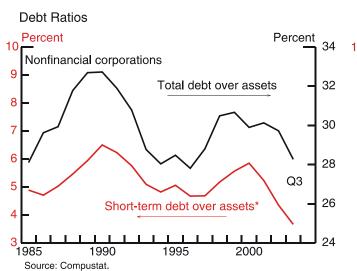


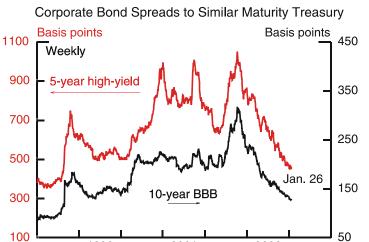
Fiscal Impetus



Federal Funds Rate







2001

2003

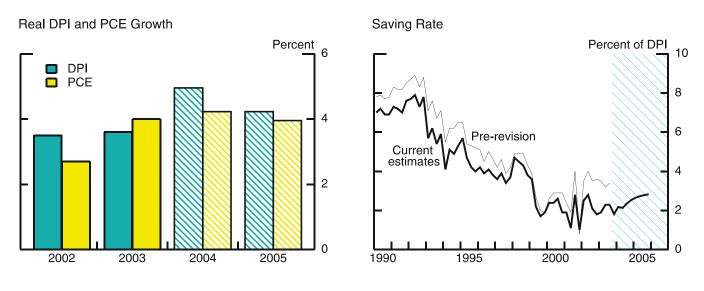
1999

Major Forces Shaping the Outlook

- Fiscal policy stimulative in 2004, slightly restrictive in 2005.
 - Supportive monetary policy.
 - Robust gains in structural productivity.
 - Improved financial conditions for business.
- Higher stock market.

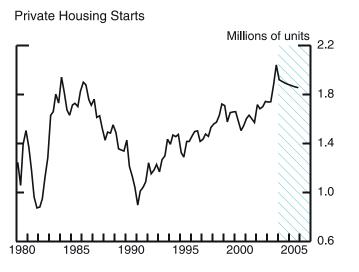
*Short-term debt equals short-term notes plus the current portion of long-term debt due in one year.

Household Sector



Is The Saving Rate Too Low?

- The BEA, in effect, shifted the goal posts in its most recent comprehensive revision.
- The current saving rate still is well below the level that many observers often think of as a more normal rate.
- The target saving rate is a moving target.
 - It varies over time as the fundamental determinants, such as the wealth-income ratio, the composition of income, and real interest rates, change.
 - The current settings of those fundamentals point to a target saving rate for the next year or two in the neighborhood of 3 percent.
- The saving rate rises to 2.8 percent by the fourth quarter of 2005, eliminating the bulk of the gap between actual and target saving.



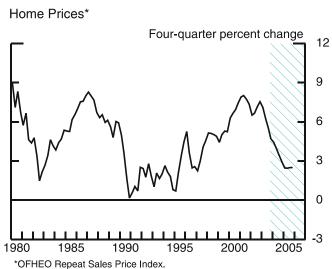
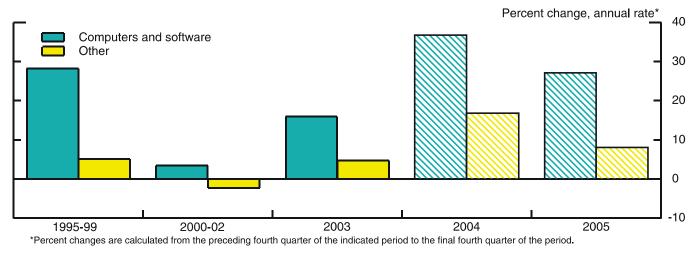


Chart 4 Business Sector

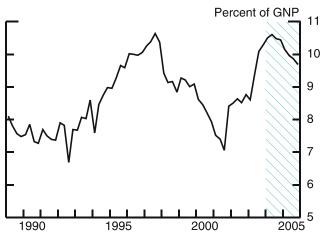
Real Outlays for Equipment and Software



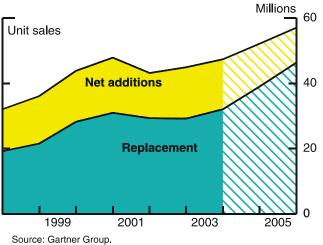
Reserve Bank Queries On Capital Spending Plans (Percent of respondents answering "yes")

	June 2003	Jan 2004
Plan to increase capital spending over the next 6 to 12 months	35	52
Reasons for increase:		
Expected sales growth	46	54
Replace IT	39	41
Partial expensing	6	16
Cash flow/balance sheets	16	25

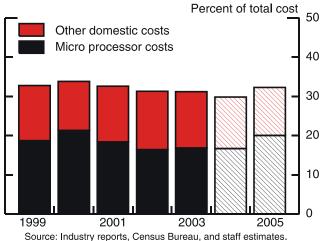
Economic Profit Share



PCs Sold in the U.S.

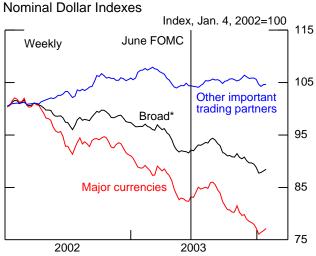


Domestic Cost Share of PCs Sold in the U.S.



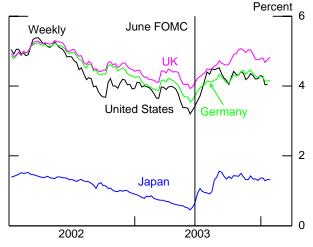
Source: Industry repor

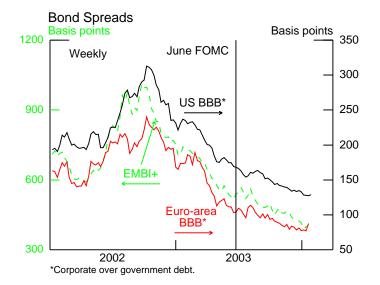
Financial Developments

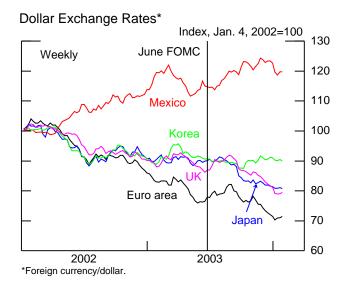


*Trade-weighted average of exchange rates against major currencies and currencies of other important trading partners.

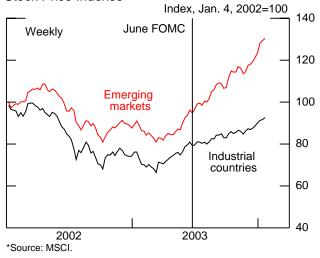
Ten-Year Government Bond Yields

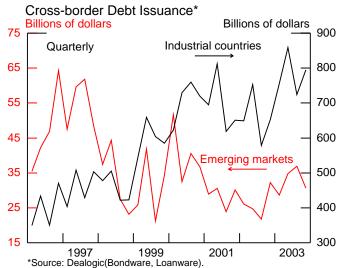






Stock Price Indexes*





Billions of dollars

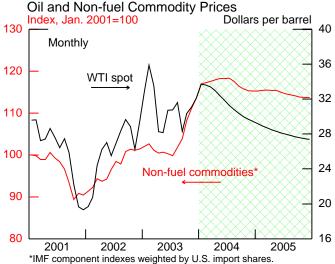
Oct

Chart 6

Foreign Outlook

Real GDP Growth: Industrial Countries Percent, SAAR*

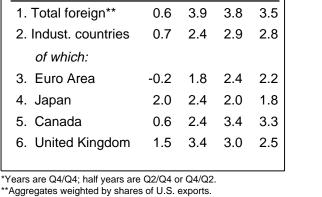
	<u>20</u> H1	03 H2	2004	2005
1. Total foreign**	0.6	3.9	3.8	3.5
2. Indust. countries	0.7	2.4	2.9	2.8
of which:				
3. Euro Area	-0.2	1.8	2.4	2.2
4. Japan	2.0	2.4	2.0	1.8
5. Canada	0.6	2.4	3.4	3.3
6. United Kingdom	1.5	3.4	3.0	2.5

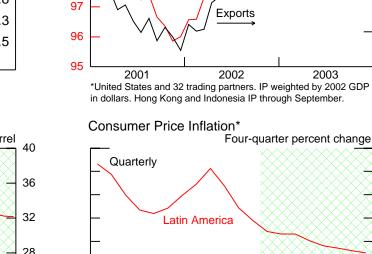


Index, Jan. 2001=100 Index, Jan. 2001=100 Monthly Jan Euro area IP*

*3-month moving average.

German Ifo



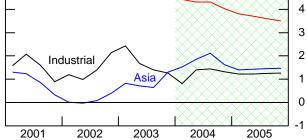


Global Trade and IP*

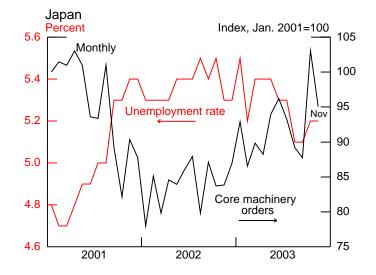
Index, Jan. 2001=100

IP

Monthly



*Aggregates weighted by shares in U.S. non-oil imports.



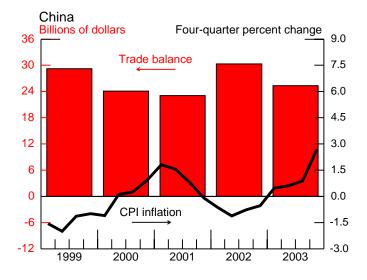
Euro Area - Industrial Sector Indicators

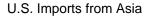
Emerging Market Countries

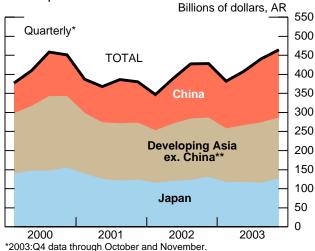
Real GDP Growth

	20	003	2004	2005
	Hí	H2		
1. Total developing**	0.5	6.1	5.1	4.6
2. Developing Asia of which:	-0.6	11.0	5.7	5.4
3. China	6.3	13.6	8.3	7.7
4. Korea	-2.2	4.8	5.2	5.2
5. Latin America of which:	0.9	2.0	4.8	4.0
6. Mexico	1.6	1.0	5.2	4.2
7. Brazil	-4.0	2.8	3.5	3.5

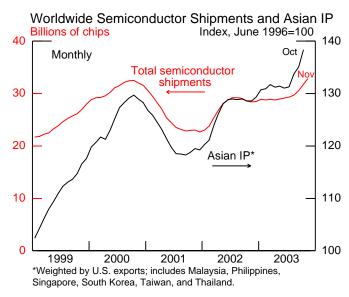
**Aggregates weighted by U.S. exports.

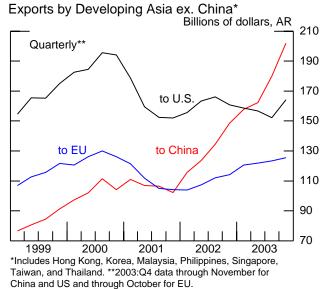




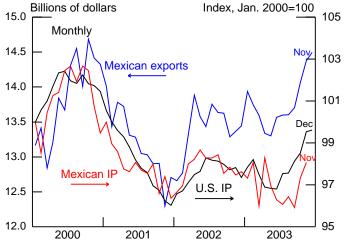


^{**}Includes Hong Kong, Indonesia, Korea, Malaysia, Philippines, Singapore, Taiwan, and Thailand.

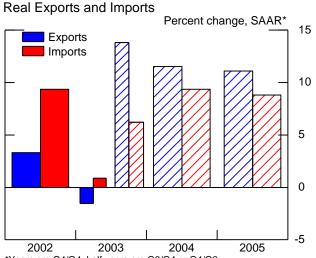




Mexico

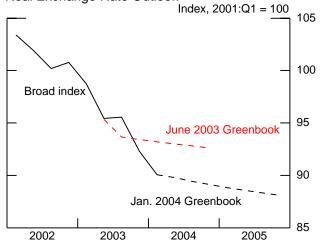


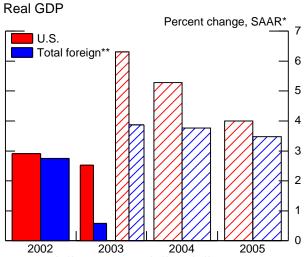
U.S. External Outlook



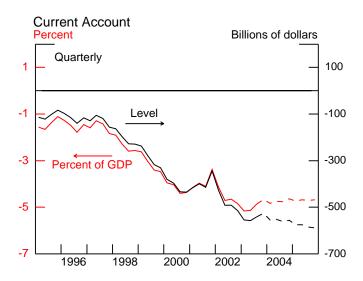
*Years are Q4/Q4; half years are Q2/Q4 or Q4/Q2.

Real Exchange Rate Outlook





*Years are Q4/Q4; half years are Q2/Q4 or Q4/Q2. **U.S. export weights.

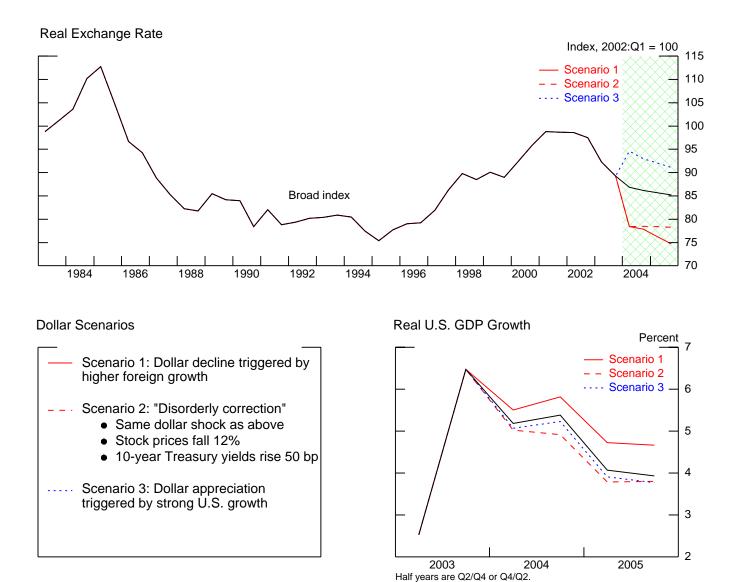


Financial Flows Billions of Dollars, SAAR

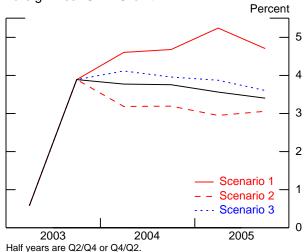
	2002	2003:H1	2003:Q3	2003:Q4*
1. Current account	-481	-556	-540	NA
2. Official capital, net	88	194	170	247
3. Private capital, net	440	387	323	NA
Of which:				
4. Foreign purchases of U.S. securities	408	418	246	309
5. U.S. purchases of foreign securities	16	-37	-116	-62
6. Foreign DI in U.S.	40	114	33	NA
7. U.S. DI abroad	-138	-129	-150	NA

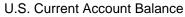
*October and November.

Alternative Dollar Scenarios









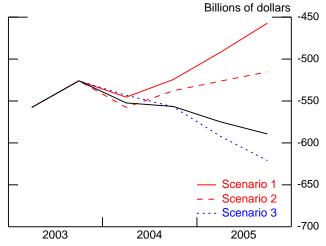
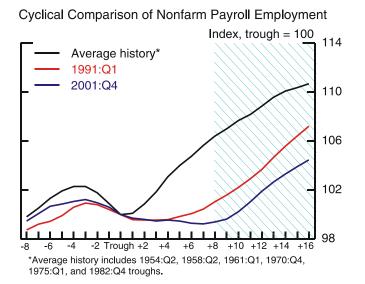
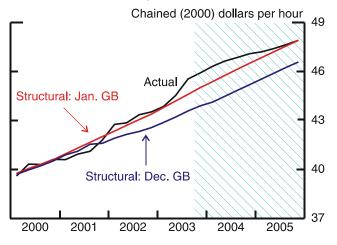


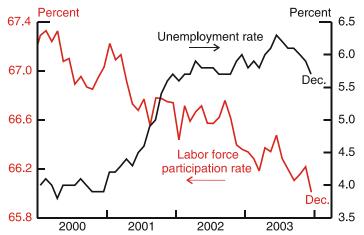
Chart 10 Labor Markets



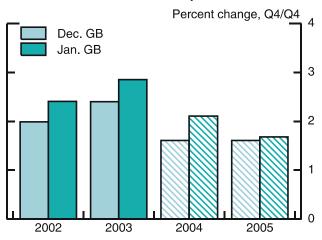
Actual Labor Productivity



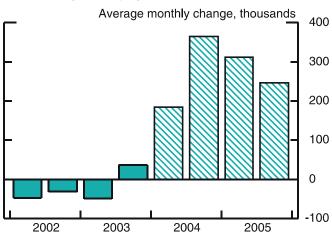
Unemployment and Labor Force Participation Rates



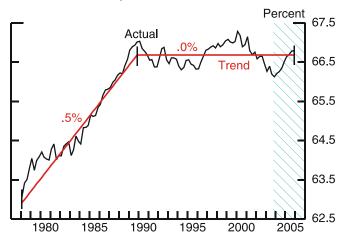
Structural Multifactor Productivity



Nonfarm Payroll Employment



Labor Force Participation Rate

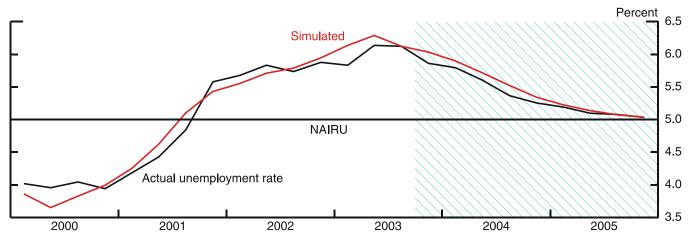


Aggregate Supply

Potential GDP

	Percent change, annu			ge, annual	
	1995-2001	2002	2003	2004	2005
1. Potential GDP (Previous)	3.4 3.4	3.6 3.5	4.0 3.9	3.7 3.5	3.7 3.7
2. Potential labor hours	1.0	1.1	1.1	1.1	1.1
3. Structural Labor Productivity (<i>Previous</i>)	2.8 2.7	3.3 2.6	3.7 3.1	3.3 2.7	3.1 2.9
4. Technical factors	4	8	8	6	4
5. Output	4	4	4	4	4
6. Hours <i>(Previous)</i>	.0 .2	4 .3	4 .3	2 .3	.0 .3

Okun's Law



GDP Gap*

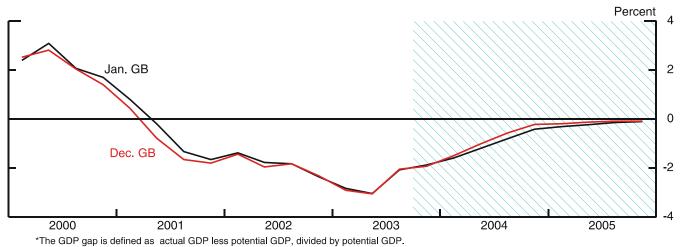
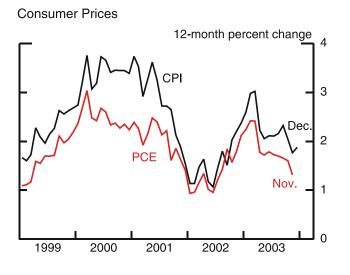
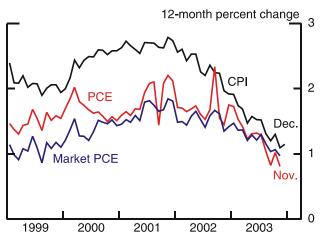


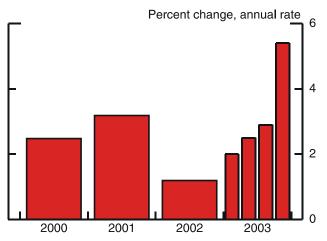
Chart 12 **Recent Price Developments**



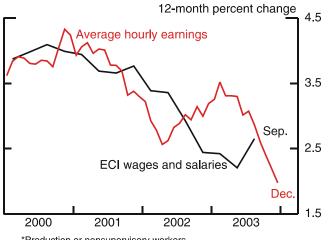
Core Consumer Prices



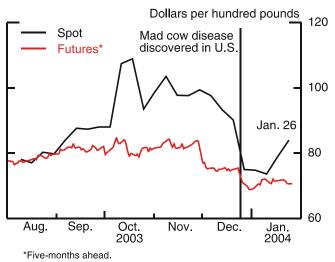
CPI Food Prices



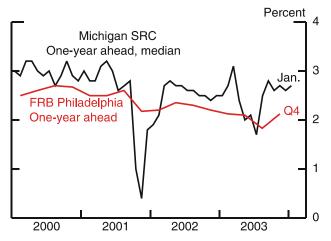
Labor Costs*



Live Cattle Prices

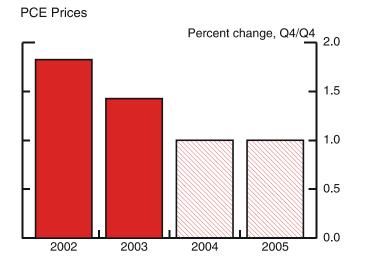


Inflation Expectations

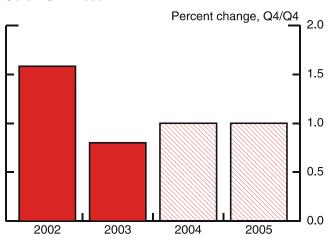


*Production or nonsupervisory workers.

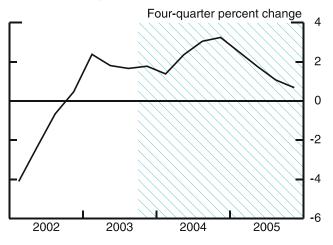
Chart 13 Inflation Outlook



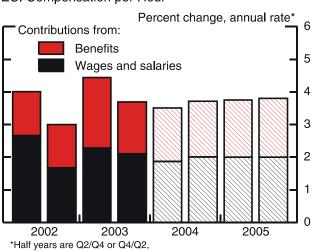
Core PCE Prices



Core Non-oil Import Prices



ECI Compensation per Hour



Probability of Deflation

Pe	rce	ent

Effective	Core PCE Inflation less
Deflation	than ½ percent
Pernicious Deflation	Core PCE Inflation less than ½ percent AND the unemployment rate above 6 percent

	Effective Deflation	Pernicious Deflation
Jan. 2003	24	10
June 2003	30	10
Jan. 2004	22	5

ECONOMIC PROJECTIONS FOR 2004

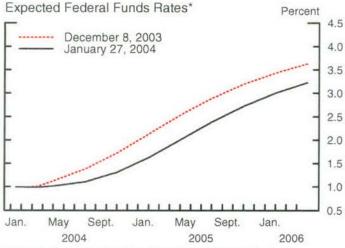
	FC	OMC	
	Range	Central Tendency	Staff
	Perc	centage change, C	Q4 to Q4
Nominal GDP	5½ to 6½	5½ to 6¼	6.2
(June 2003)	(4¾ to 6½)	(5¼ to 6¼)	
Real GDP	4 to 5½	4½ to 5	5.3
(June 2003)	(3½ to 5¼)	(3¾ to 4¾)	
PCE Prices	1 to1½	1 to 1¼	1.0
(June 2003)	(¾ to 2)	(1 to 1½)	
	Ave	erage level, Q4, p	ercent
Unemployment rate	5¼ to 5½	5¼ to 5½	5.3
(June 2003)	(5½ to 6¼)	(5½ to 6)	

Central tendencies calculated by dropping high and low three from ranges.

Material for **Briefing on Monetary Policy Alternatives** January 28, 2004

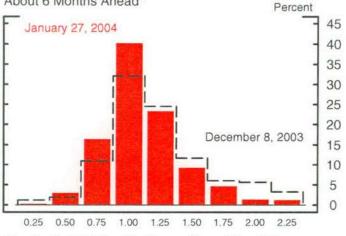
> STRICTLY CONFIDENTIAL (FR) CLASS I FOMC

Exhibit 1



*Estimates from federal funds and eurodollar futures, with an allowance for term premia and other adjustments.

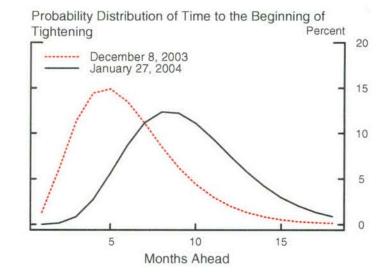
Implied Distribution of Federal Funds Rate About 6 Months Ahead*



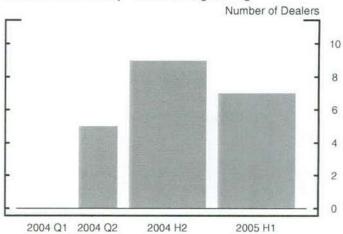
*Based on the distribution of the three-month eurodollar rate five months ahead (adjusted for a risk premium), as implied by options on eurodollar futures contracts.

Desk Dealer Survey - FOMC Statement

21 1	Balanced Upside
	Balanced Downside
	Balanced or None Unwelcome Disinflation
	Retained Removed
	1 18 4 20 2 17



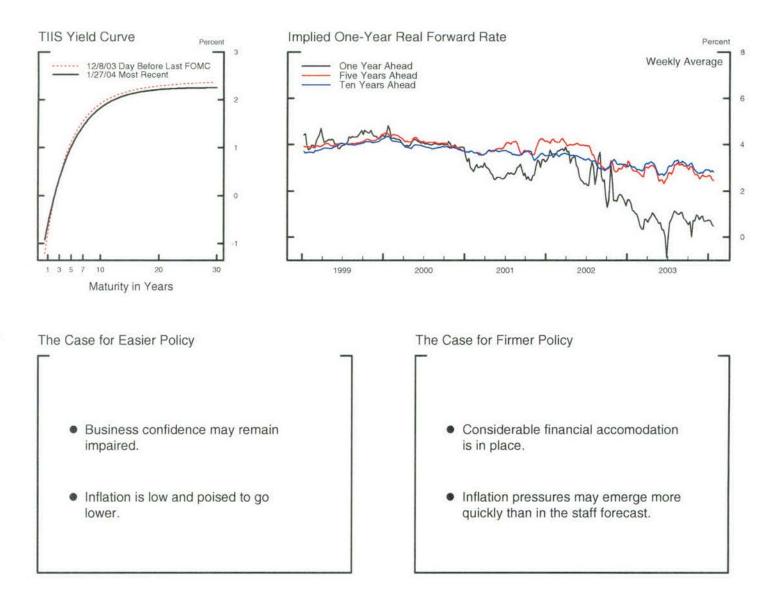
Desk Dealer Survey - Onset of Tightening



Private Sector Forecasts

	2004		2005
	H1	H2	
GDP Growth	4.5	4.0	3.7
Greenbook	5.4	5.1	3.8
Inflation (Core PCE)	1.1	1.4	1.7
Greenbook	1.2	1.1	1.1
Unemployment	5.8	5.7	5.4
Greenbook	5.9	5.4	5.1

Exhibit 2



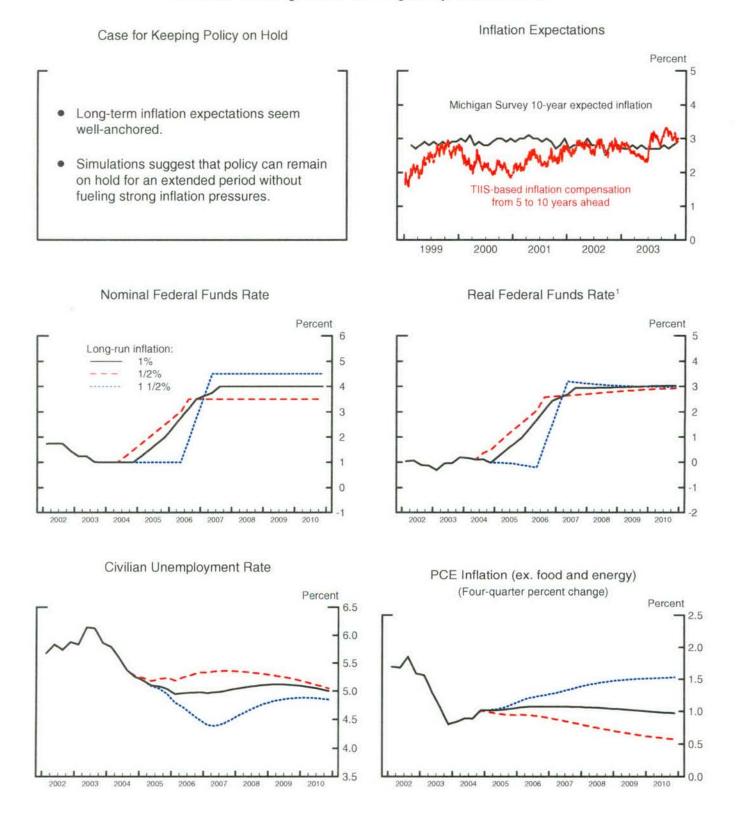
Selected Money and Credit Aggregates

	2003			2004
	H1	Q3	Q4	Jan.
M2	7.7	7.0	-1.8	-1.5
Bank Credit	-9.7	4.6	-0.5	2.2
Business Loans	-6.4	-13.9	-9.7	-7.4

Change in Selected Financial Market Conditions Since Last FOMC

Basis Points	
-20	
-22	
Percent	
7.2	
-1.7	
	-20 -22 Percent 7.2

Exhibit 3 Alternative Strategies for Removing Policy Accomodation



1. The real federal funds rate is calculated as the quarterly average nominal funds rate minus the four-quarter lagged core PCE inflation rate as a proxy for inflation expectations.

Exhibit 4 The Considerable Period Sentence

December 2003 FOMC Statement

"With inflation quite low and resource use slack, the Committee believes that policy accomodation can be maintained for a considerable period."

Considerable Period Options

Retain	Drop	Modify
 Confident economy will evolve in a benign manner. 	 Tightening within next few meetings not ruled out. 	 Outsized market reaction to dropping.
 Or inflation on low side of desired range. 	 Costs of having to delay tightening or renege damaging. 	 "Patience" would imply gradual firming.

Potential Alternative

"With inflation quite low and resourse use slack, the Committee believes that it can be patient in removing its policy accomodation."