



# Calendar of Releases

*Titles for the current week are links to their respective releases.*

MONDAY*	TUESDAY	WEDNESDAY	THURSDAY*	FRIDAY
<b>November 18</b>	<b>November 19</b> <b>ECI (Q3)</b> A: 0.4% PF: 0.5%	<b>November 20</b> <b>Existing Home Sales (Oct)</b> A: 5.12M PF: 5.15M <b>Retail Sales (Oct)</b> A: 0.4% PF: 0.1% <b>Business Inventories (Sep)</b> A: 0.6% PF: 0.3% <b>CPI (Oct)</b> A: -0.1% PF: 0.0% <b>FOMC Minutes (previous meeting)</b>	<b>November 21</b> <b>Initial Claims (11/16)</b> A: 323K PF: 335K <b>PPI (Oct)</b> A: -0.2% PF: -0.2% <b>Core PPI (Oct)</b> A: 0.2% PF: 0.1%	<b>November 22</b>
<b>November 25</b>	<b>November 26</b> <b>Housing Starts (Sep)</b> CF: N/A PF: N/A <b>Building Permits (Sep)</b> CF: N/A PF: N/A <b>Housing Starts (Oct)</b> CF: N/A PF: 913K <b>Building Permits (Oct)</b> CF: N/A PF: N/A	<b>November 27</b> <b>Initial Claims (11/23)</b> CF: N/A PF: N/A <b>Durable Goods (Oct)</b> CF: N/A PF: -0.7%	<b>November 28</b>	<b>November 29</b>
<b>December 2</b> <b>Construct Spending (Sep)</b> CF: N/A <b>Construct Spending (Oct)</b> CF: N/A <b>ISM Index (Nov)</b> CF: N/A <b>Latest Issue National Economic Trends</b> <b>Latest Issue Review</b>	<b>December 3</b>	<b>December 4</b> <b>International Trade (Oct)</b> CF: N/A <b>ISM Non Mfg Index (Nov)</b> CF: N/A <b>New Home Sales (Sep)</b> CF: N/A <b>New Home Sales (Oct)</b> CF: N/A <b>Latest Issue Monetary Trends</b>	<b>December 5</b> <b>Initial Claims (11/30)</b> CF: N/A <b>Factory Orders (Oct)</b> CF: N/A <b>GDP (Q3)</b> CF: N/A <b>Corporate Profits (Q3)</b> CF: N/A	<b>December 6</b> <b>Nonfarm Payrolls (Nov)</b> CF: N/A <b>Unemployment Rate (Nov)</b> CF: N/A <b>Consumer Credit (Oct)</b> CF: N/A <b>Consumption (Nov)</b> CF: N/A <b>Core PCE (Nov)</b> CF: N/A

DEFINITIONS: A, actual value; PF, previous week's forecast; CF, current week's forecast; K, thousand; M, million; B, billion.

\*The Board of Governors of the Federal Reserve System provides H.3, H.4.1, and H.6 releases each Thursday and H.10 and H.15 releases each Monday.

Forecast data are from Thomson Reuters. ©Thomson Reuters, 2012. All Rights Reserved. Use, duplication, or sale of this service or the data contained herein, except as described in the Federal Reserve Bank of St. Louis Subscription Agreement, is strictly prohibited.

# Contents

---

---

## Page

3	Adjusted Monetary Base
4	Adjusted Reserves
5	MZM
6	M2
7	Composition of Federal Reserve Assets and Liabilities
8	Reserve Bank Credit and Selected Categories
9	Other Federal Reserve Balance Sheet Items
10	Yields on Selected Securities
11	Corporate Bond Spreads and Mortgage Interest Rates
12	Yields on Nominal and Inflation-Indexed Treasury Securities
13	Federal Funds Futures Market
14	Equity Price Indices
15	Crude Oil Prices
16	Natural Gas Prices
17	Exchange Rates
18	Currency, Savings, and Small Time Deposits
19	Institutional and Retail Money Funds, and Borrowings from Federal Reserve Banks
20	Bank Loans
21	Commercial Paper Outstanding
22	Reference Tables
23	Notes

## Conventions used in this publication:

1. Unless otherwise indicated, figure and table data are weekly and seasonally adjusted.
2. For pages 10, 14, 15 (top chart), 16 (top chart), and 22 (top table), the last observation is a daily average that incorporates all available data at the time of publication, which usually includes observations for the first three trading days of the week (Monday through Wednesday). The previous observations signify that week's average.

We welcome your comments addressed to:

Editor, *U.S. Financial Data*  
Research Division  
Federal Reserve Bank of St. Louis  
P.O. Box 442  
St. Louis, MO 63166-0442

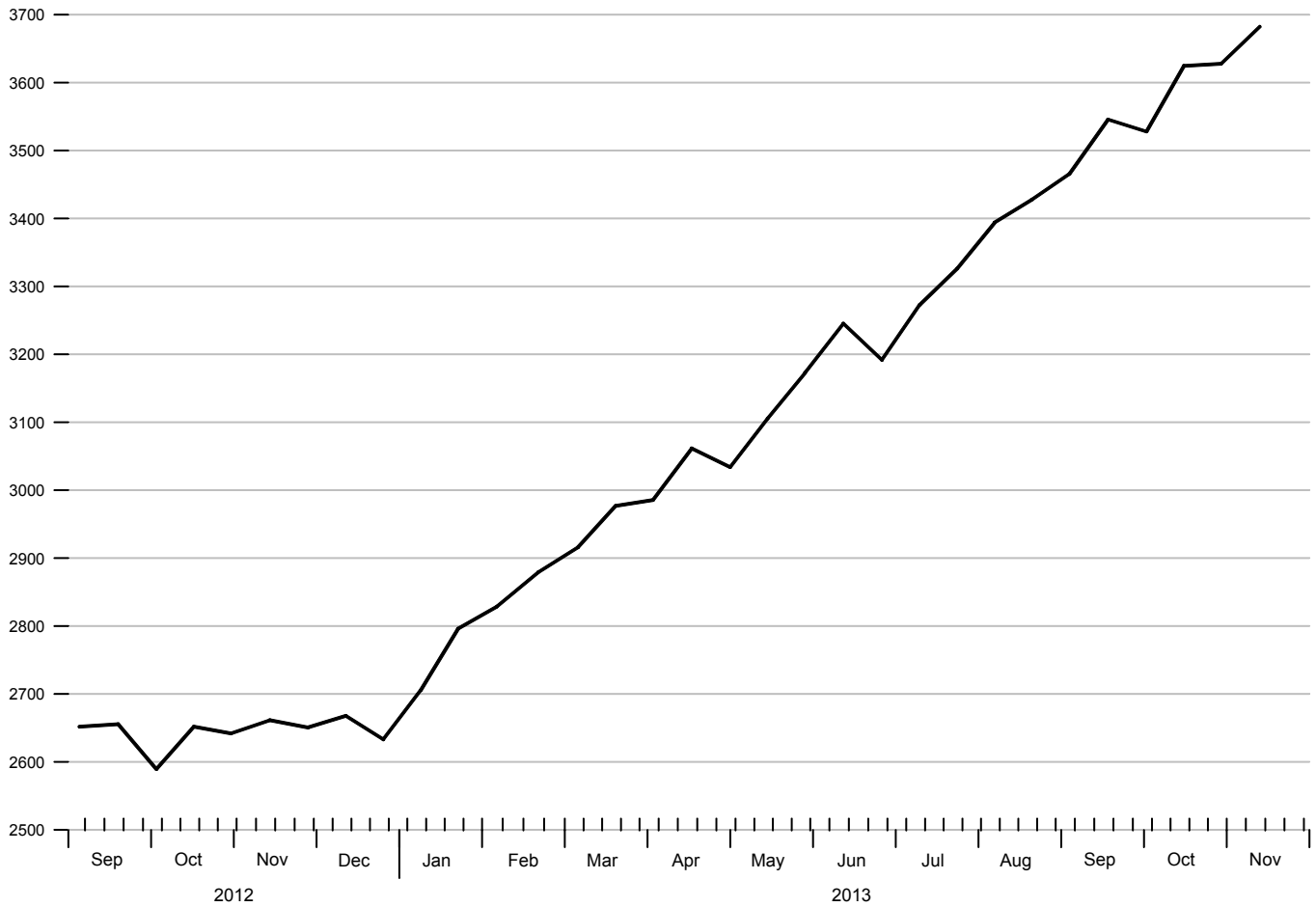
or to:

[stlsFRED@stls.frb.org](mailto:stlsFRED@stls.frb.org)

## Adjusted Monetary Base

Averages of Daily Figures, Seasonally Adjusted

Billions of dollars



## Adjusted Monetary Base

To the average of  
two maintenance  
periods ending:

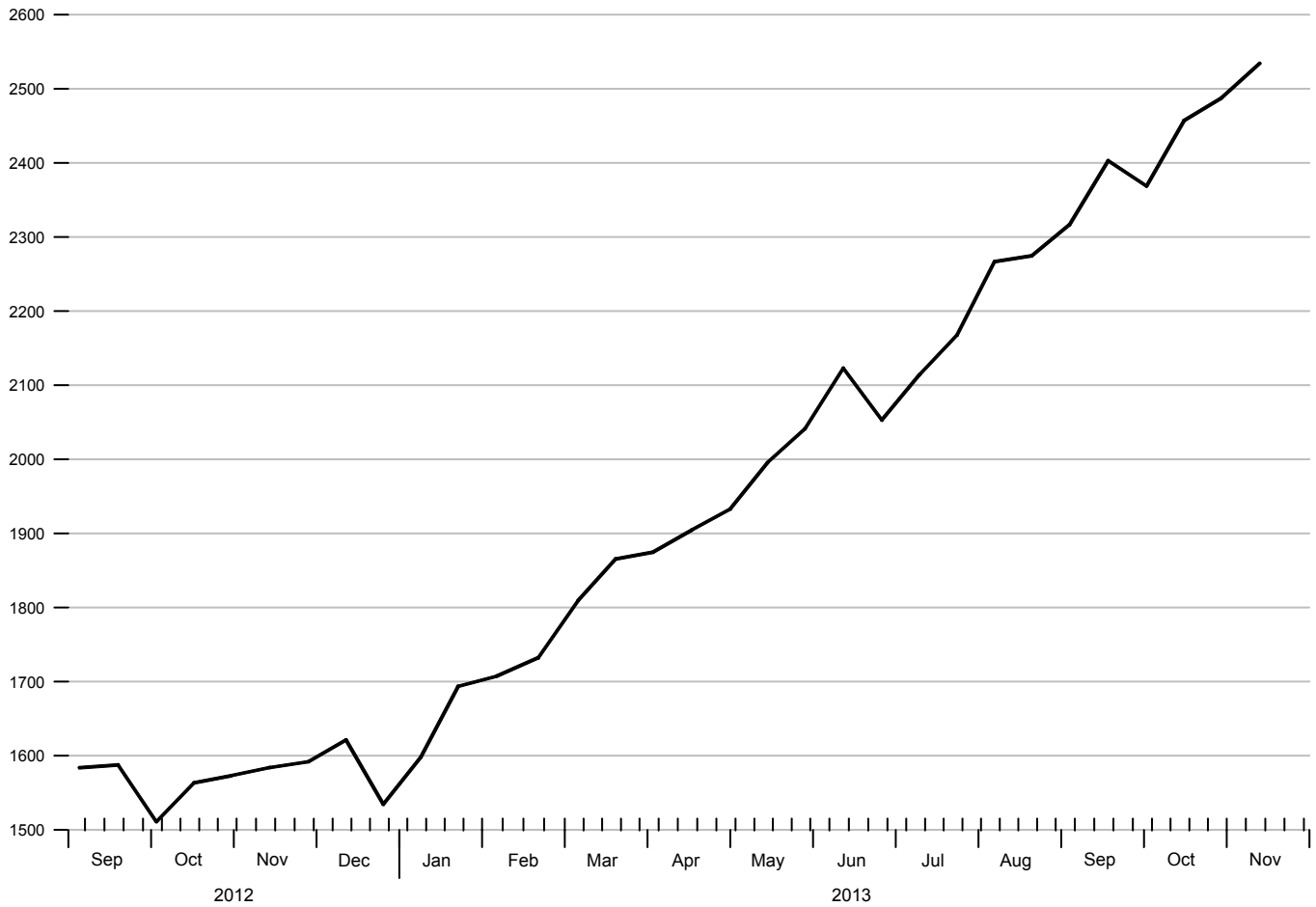
Compounded annual rates of change, average of two maintenance periods ending:

	11/14/12	02/06/13	04/17/13	05/15/13	06/12/13	07/10/13	08/21/13	09/18/13
04/17/13	36.4							
05/15/13	34.0	38.4						
06/12/13	39.2	46.4	47.2					
07/10/13	35.4	38.9	33.5	39.8				
08/21/13	38.7	43.1	41.6	47.9	37.3			
09/18/13	39.1	43.1	41.9	46.8	38.9	52.5		
10/16/13	38.3	41.5	39.9	43.5	36.8	45.6	36.1	
11/13/13	37.8	40.6	38.9	41.8	36.0	42.7	35.0	31.2

**Adjusted Reserves**

Seasonally Adjusted

Billions of dollars



**Adjusted Reserves**

To the average of  
two maintenance  
periods ending:

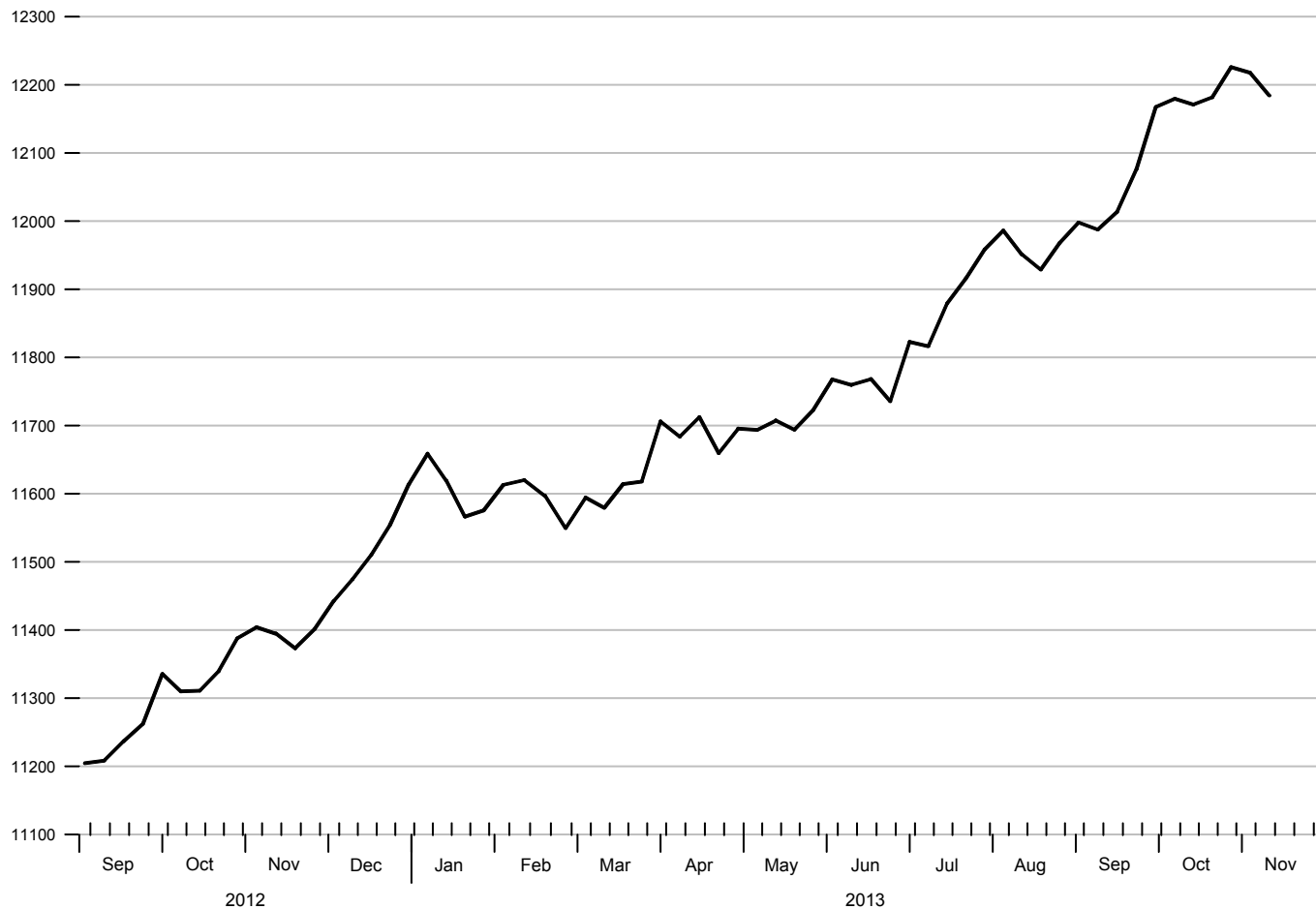
Compounded annual rates of change, average of two maintenance periods ending:

	11/14/12	02/06/13	04/17/13	05/15/13	06/12/13	07/10/13	08/21/13	09/18/13
04/17/13	53.0							
05/15/13	54.9	70.9						
06/12/13	61.6	79.5	87.8					
07/10/13	52.9	61.7	52.7	46.7				
08/21/13	60.4	71.1	70.0	71.3	57.0			
09/18/13	60.8	70.3	69.1	69.9	59.2	90.9		
10/16/13	58.4	65.8	63.1	62.6	53.1	72.5	48.5	
11/13/13	59.1	66.0	63.7	63.4	55.7	71.4	54.7	49.8

**MZM**

Averages of Daily Figures, Seasonally Adjusted

Billions of dollars



**MZM**

To the average  
of four weeks  
ending:

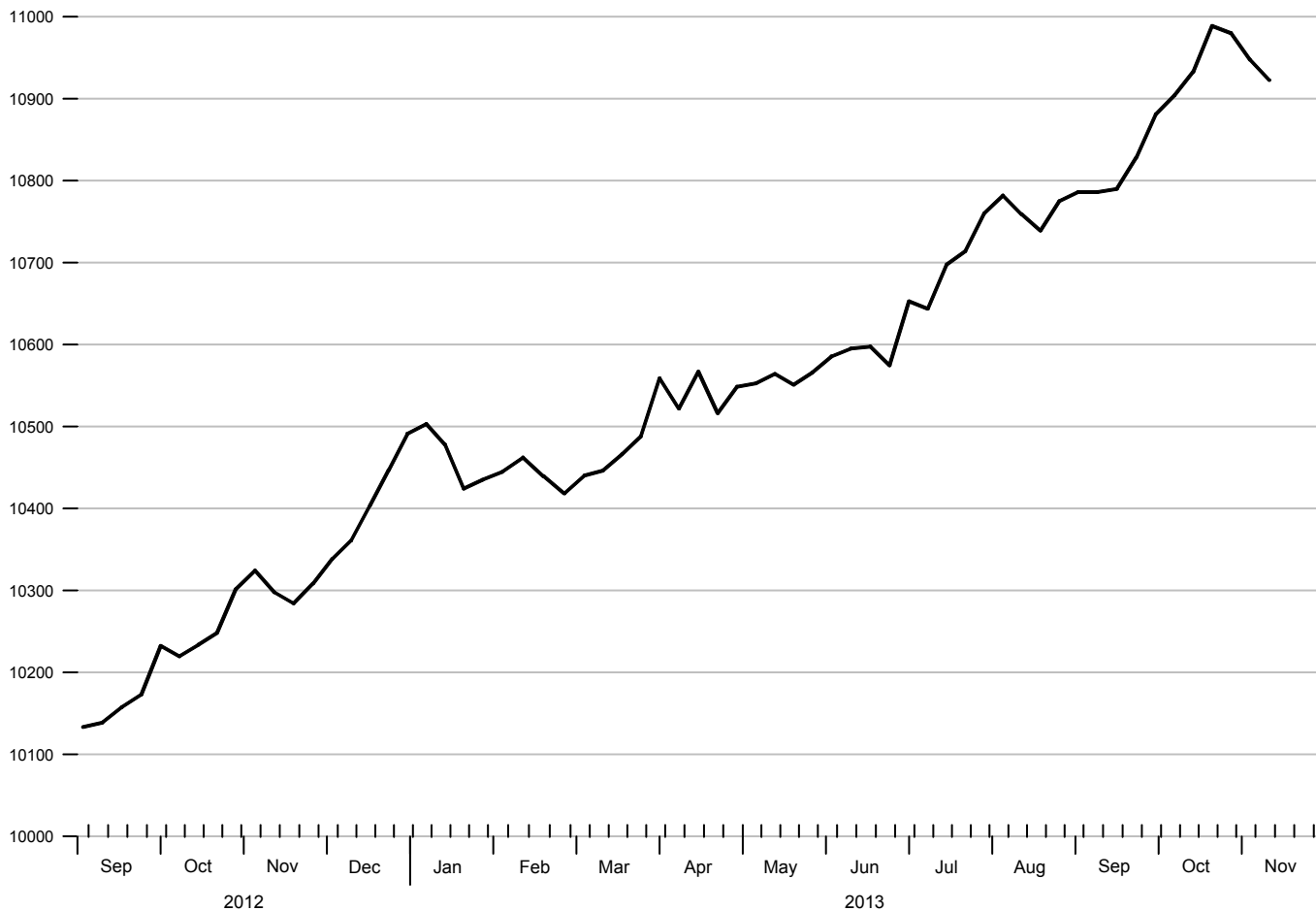
Compounded annual rates of change, average of four weeks ending:

	11/12/12	02/04/13	04/15/13	05/13/13	06/10/13	07/08/13	08/19/13	09/16/13
04/15/13	6.3							
05/13/13	5.5	3.1						
06/10/13	5.5	3.6	3.2					
07/08/13	5.5	4.0	4.0	5.5				
08/19/13	6.6	5.9	7.0	8.8	10.1			
09/16/13	6.4	5.6	6.4	7.7	8.3	9.4		
10/14/13	7.3	7.0	8.2	9.5	10.5	11.9	10.9	
11/11/13	7.2	6.9	7.9	9.0	9.7	10.6	9.2	12.0

**M2**

Averages of Daily Figures, Seasonally Adjusted

Billions of dollars



**M2**

To the average  
of four weeks  
ending:

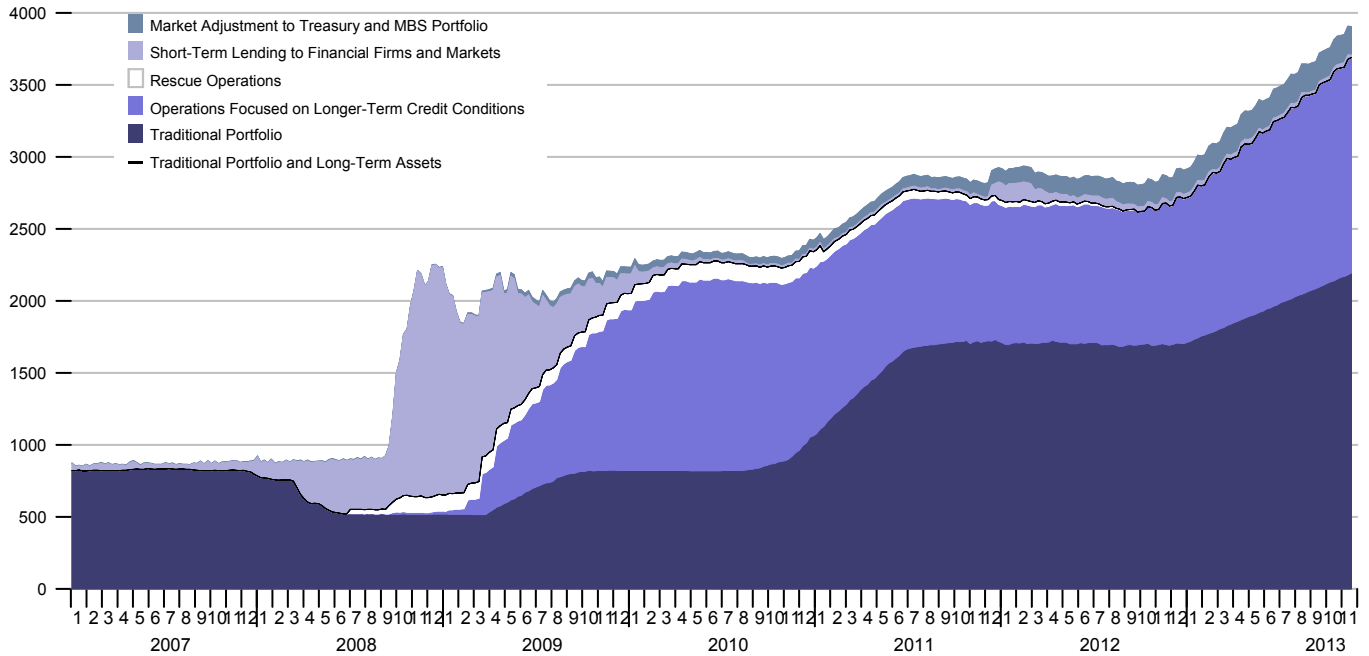
Compounded annual rates of change, average of four weeks ending:

	11/12/12	02/04/13	04/15/13	05/13/13	06/10/13	07/08/13	08/19/13	09/16/13
04/15/13	5.6							
05/13/13	5.0	3.6						
06/10/13	4.8	3.6	2.5					
07/08/13	4.9	3.9	3.5	4.5				
08/19/13	5.9	5.7	6.3	7.8	9.5			
09/16/13	5.7	5.3	5.7	6.7	7.6	8.5		
10/14/13	6.3	6.2	6.8	7.8	8.8	9.8	7.9	
11/11/13	6.5	6.4	7.1	8.0	8.8	9.6	8.3	11.1

### Composition of Federal Reserve Assets

End of Period Wednesday Figures

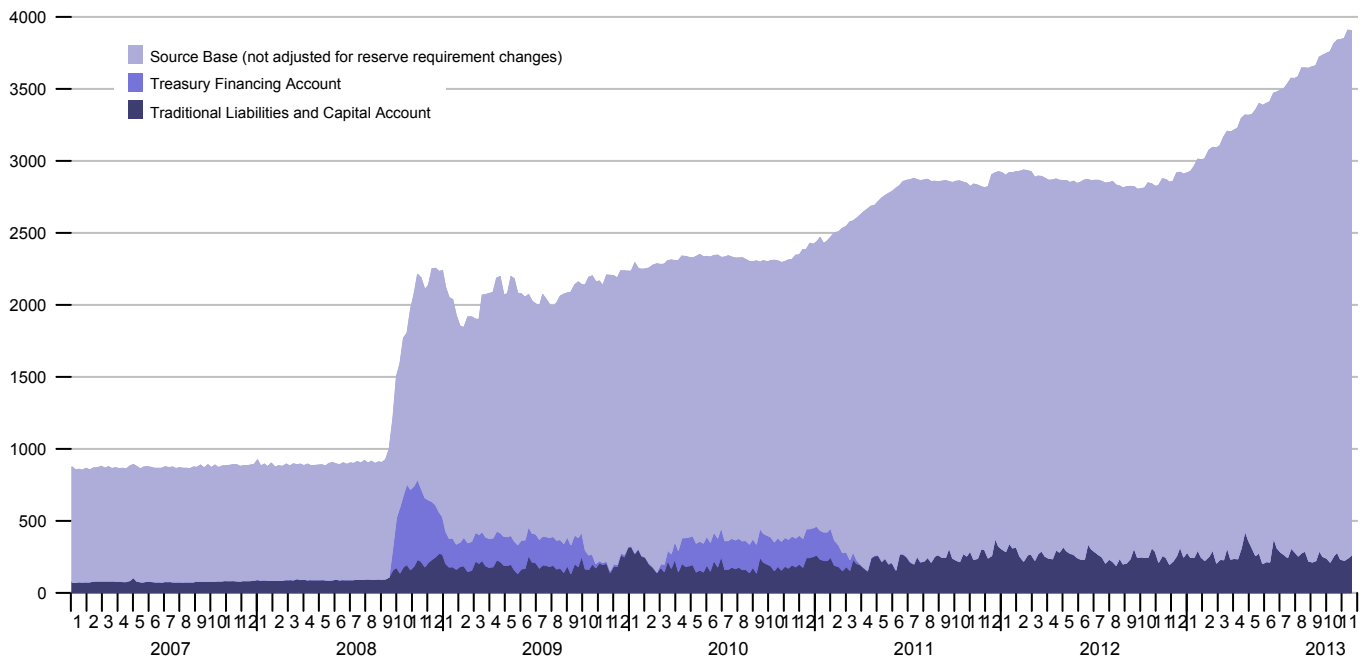
Billions of Dollars



### Composition of Federal Reserve Liabilities

End of Period Wednesday Figures

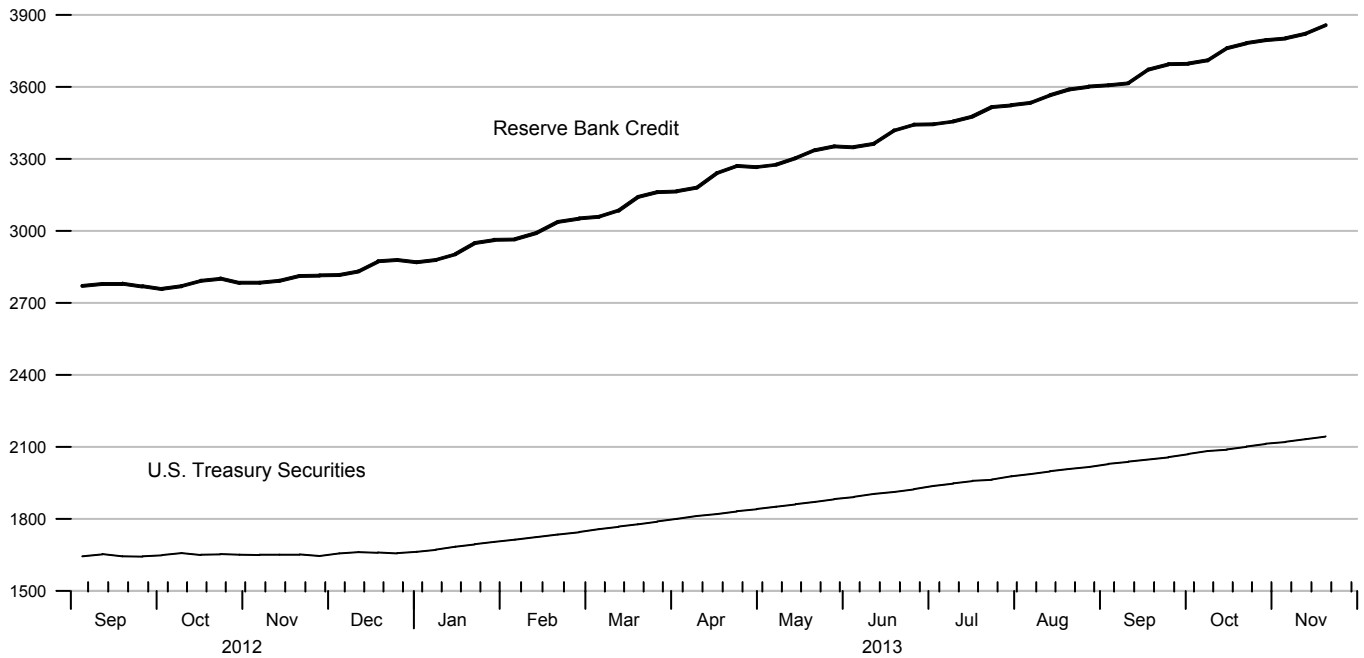
Billions of Dollars



### Reserve Bank Credit and Federal Reserve Holdings of U.S. Treasury Securities

Averages of Daily Figures

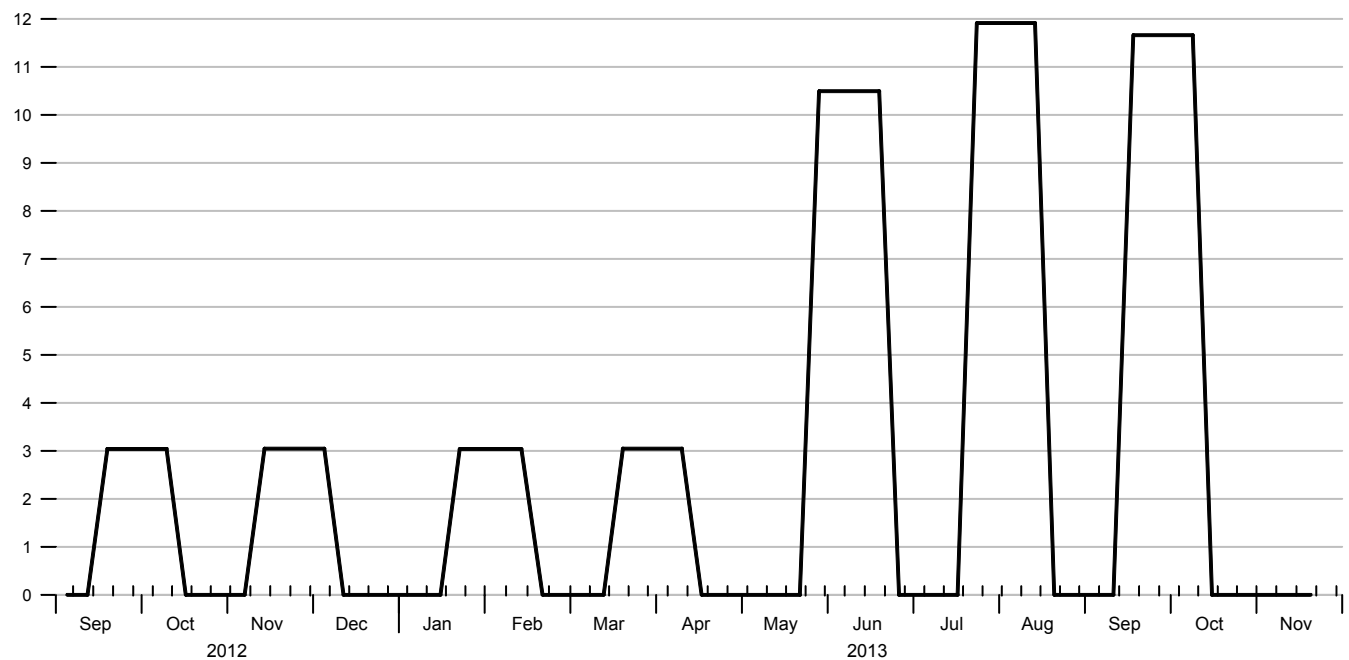
Billions of dollars



### Term Deposits Held by Depository Institutions

End of Period Wednesday Figures

Billions of dollars

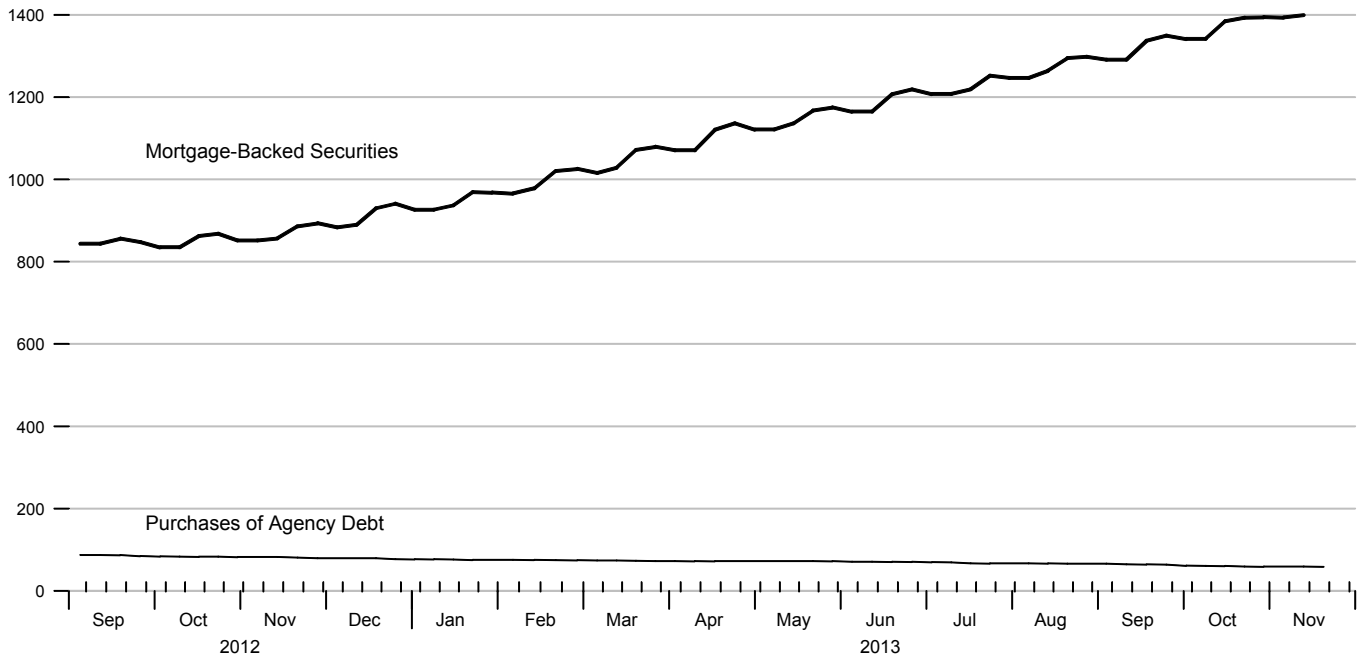




### Federal Reserve Holdings of Agency Debt and Mortgage-Backed Securities

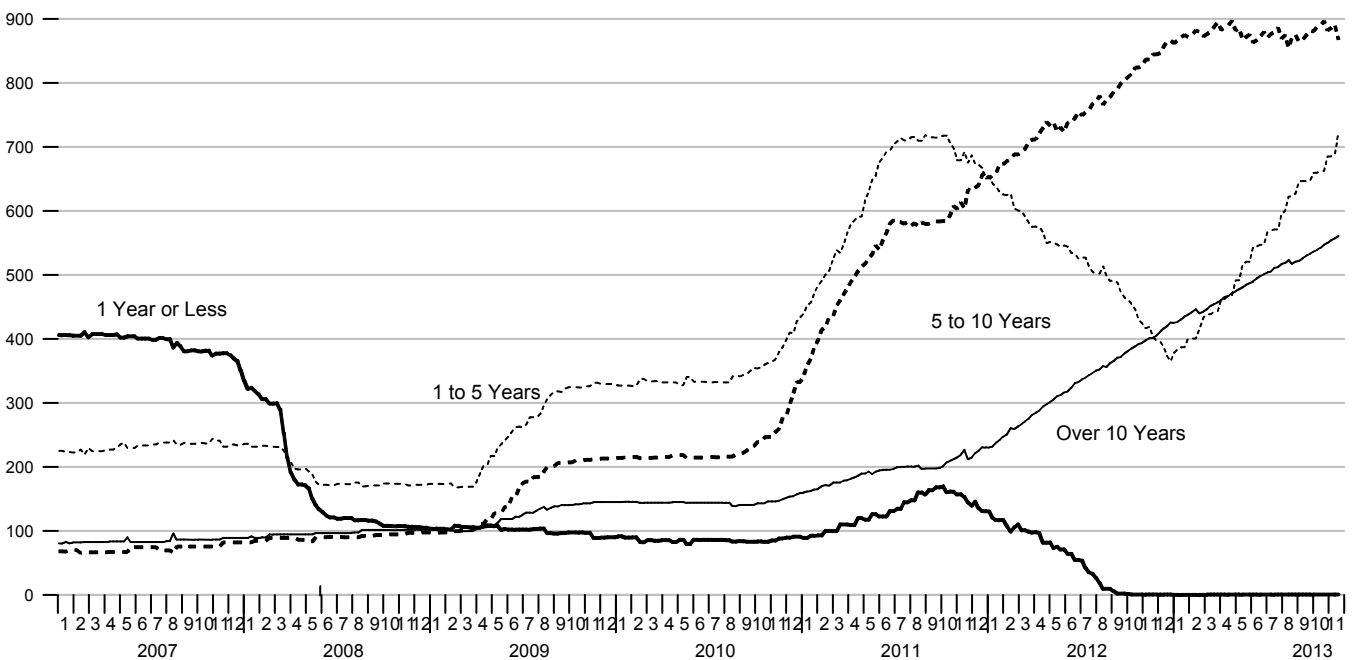
Averages of Daily Figures

Millions of Dollars



### Maturity Distribution of U.S. Treasury Securities Held by the Federal Reserve

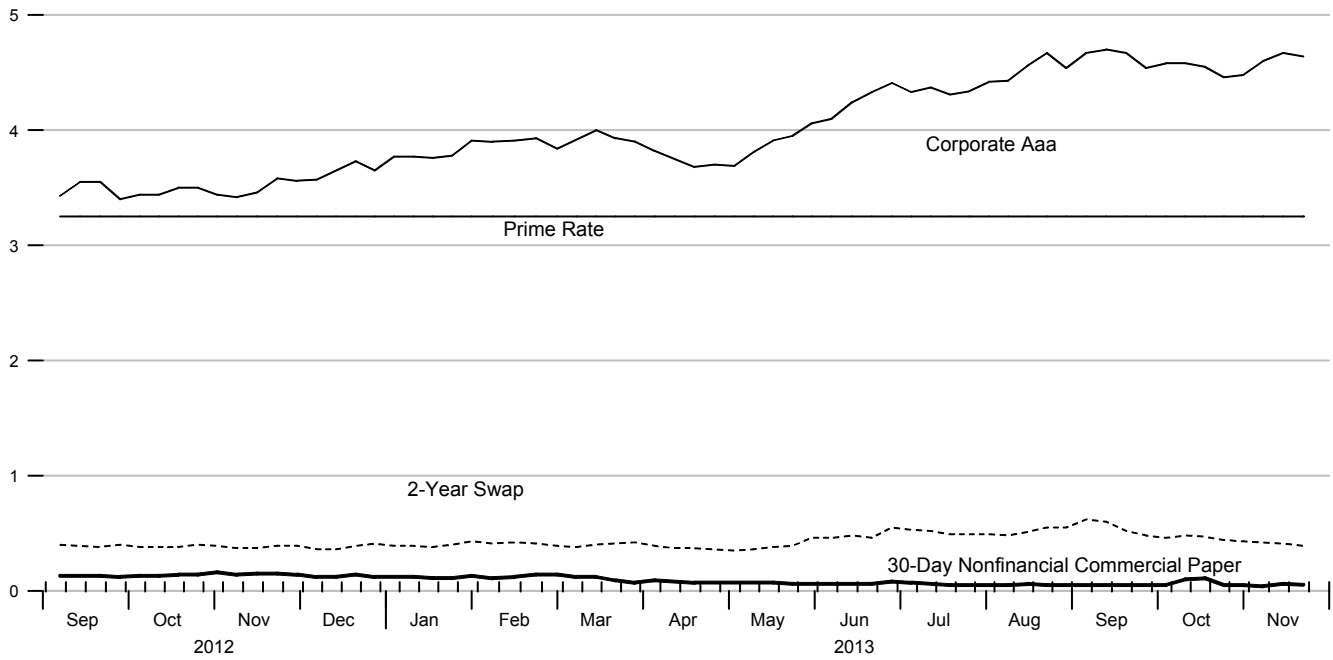
Billions of Dollars



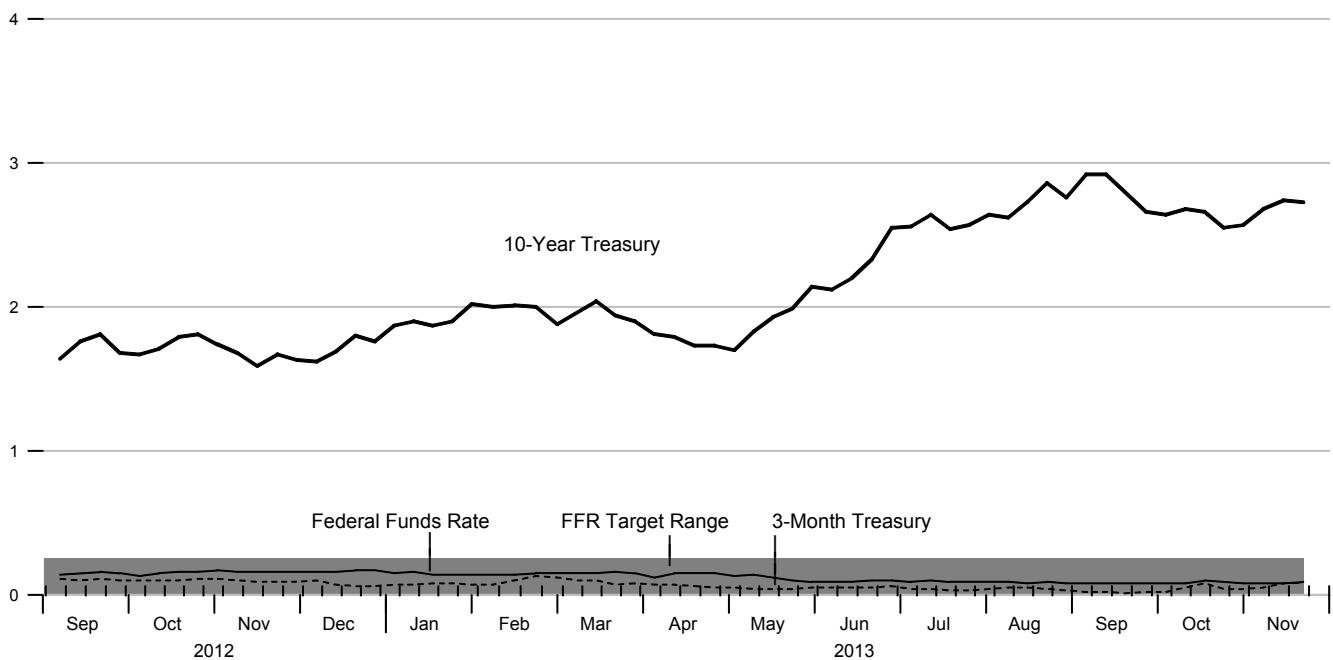
### Yields on Selected Securities

Averages of Daily Figures

Percent



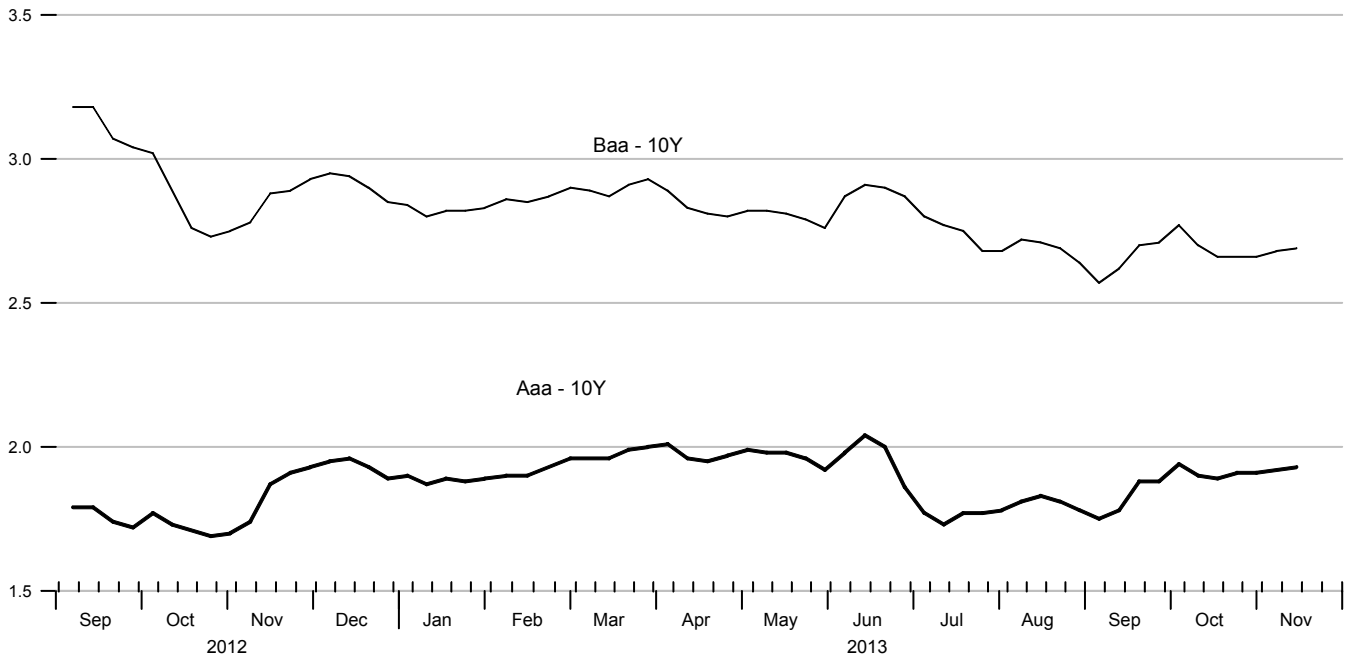
Percent



### Corporate Bond Yields Relative to Yields on 10 - Year Treasury Securities

Averages of Daily Figures

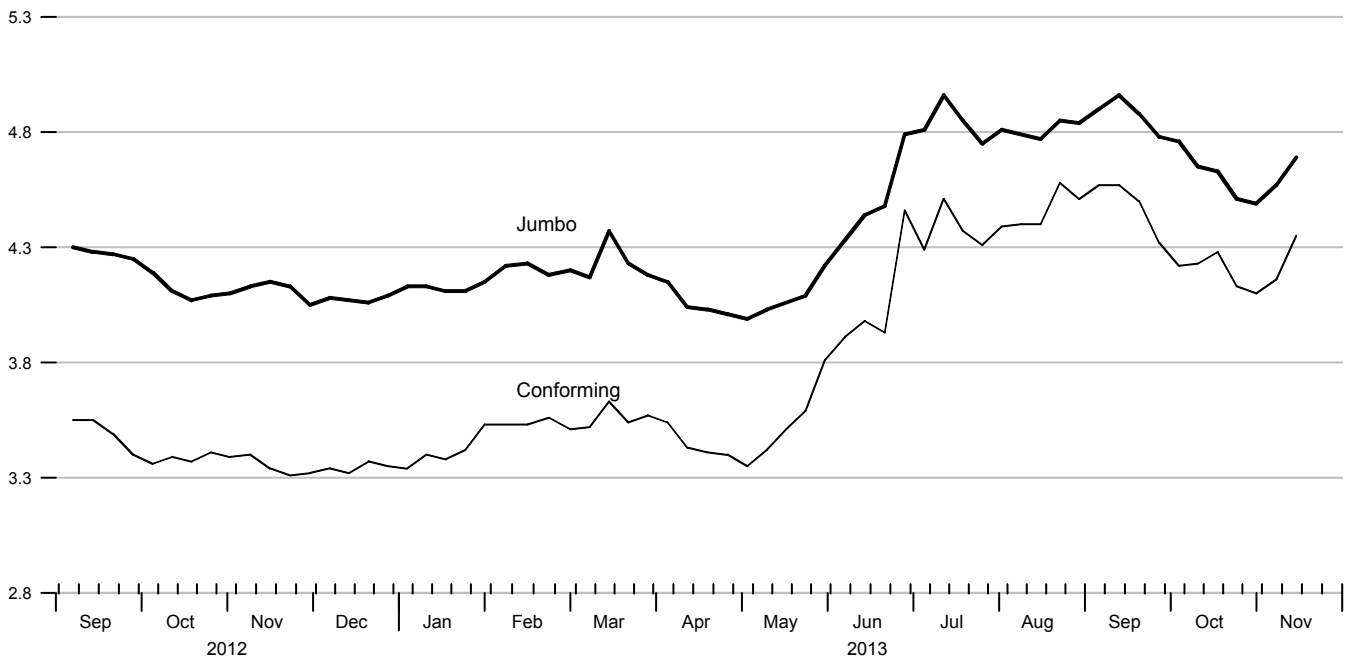
Percent



### Interest Rates on 30 - Year Conforming and Jumbo Mortgages

Averages of Daily Figures

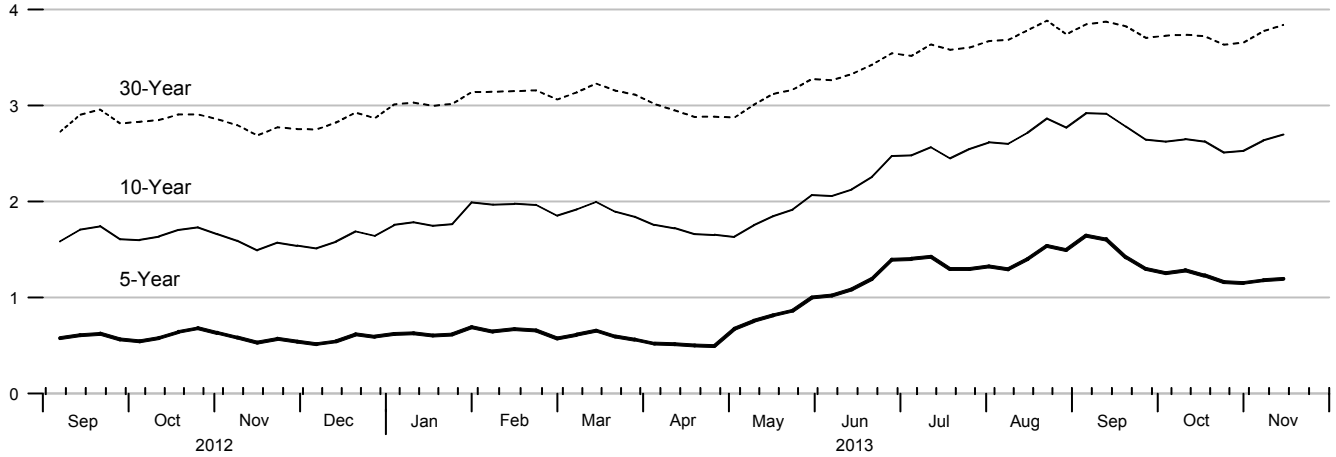
Percent



### Treasury Note Yields

Averages of Daily Figures

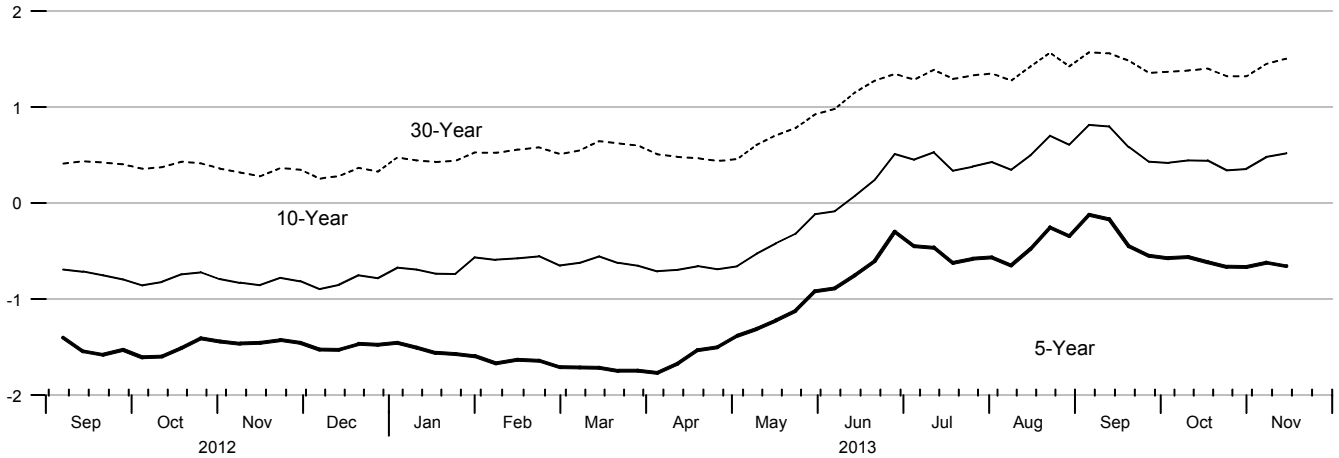
Percent



### Inflation-Indexed Treasury Yields

Averages of Daily Figures

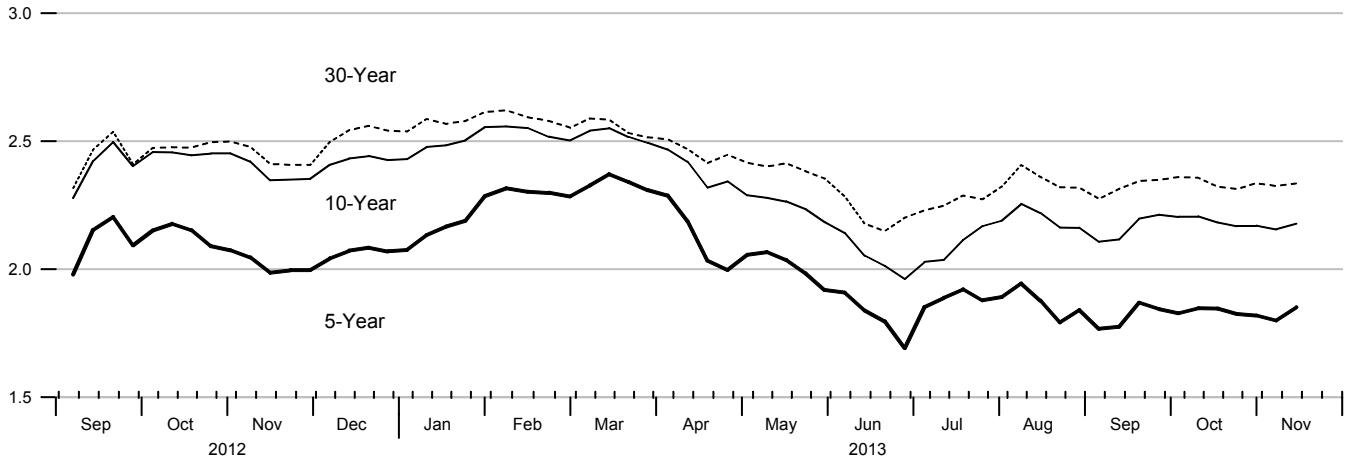
Percent



### Inflation-Indexed Treasury Yield Spreads

Averages of Daily Figures

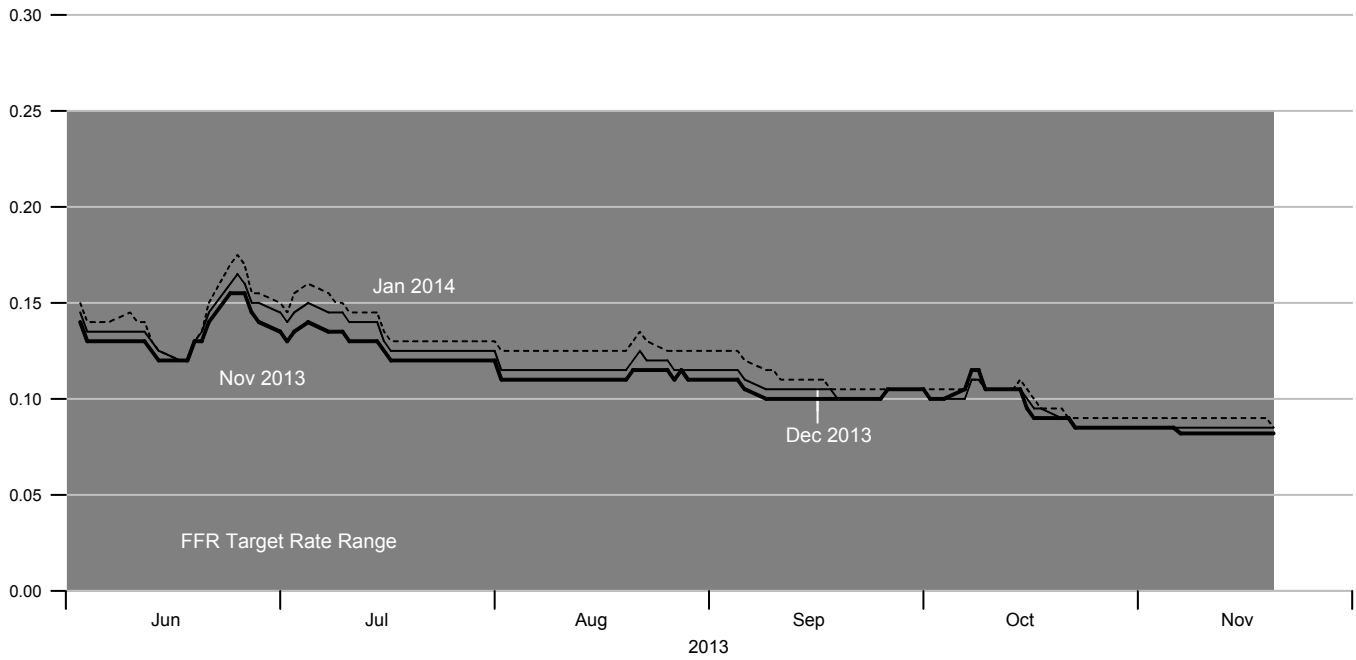
Percent



### Rates on Federal Funds Futures Contracts

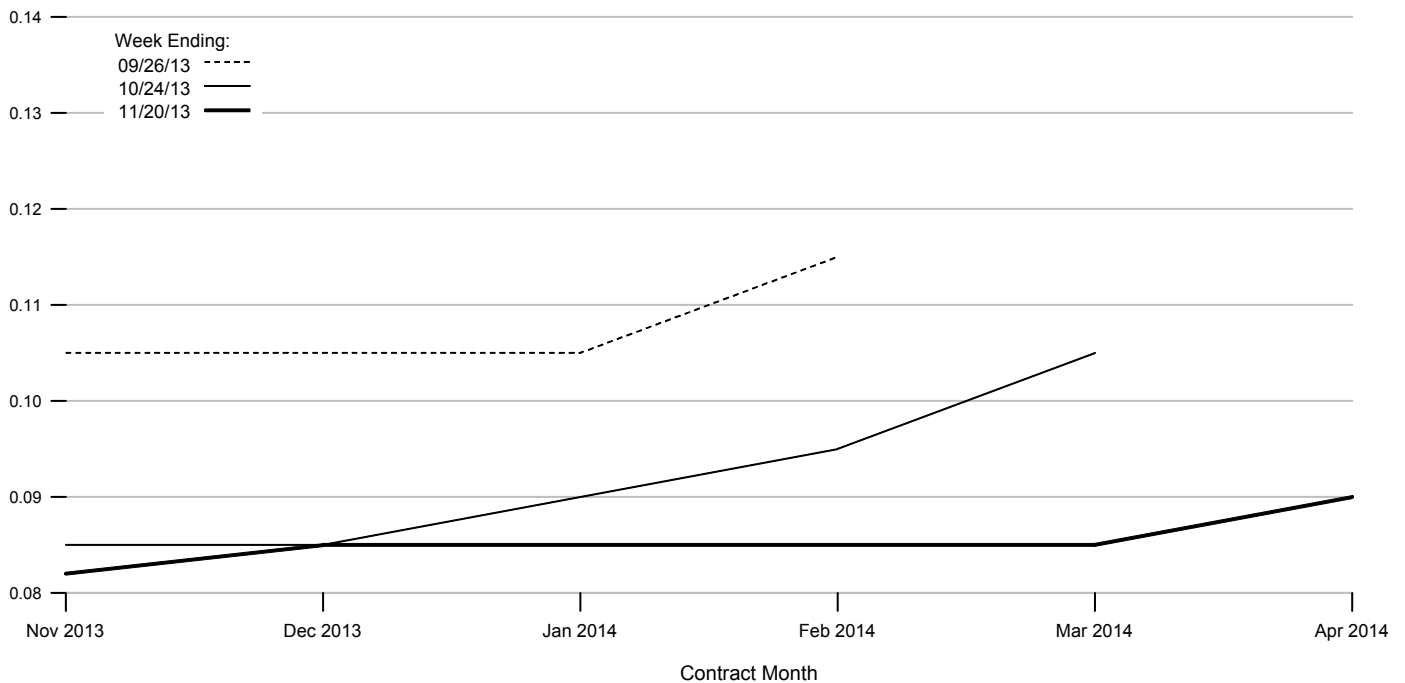
Daily Data

Percent



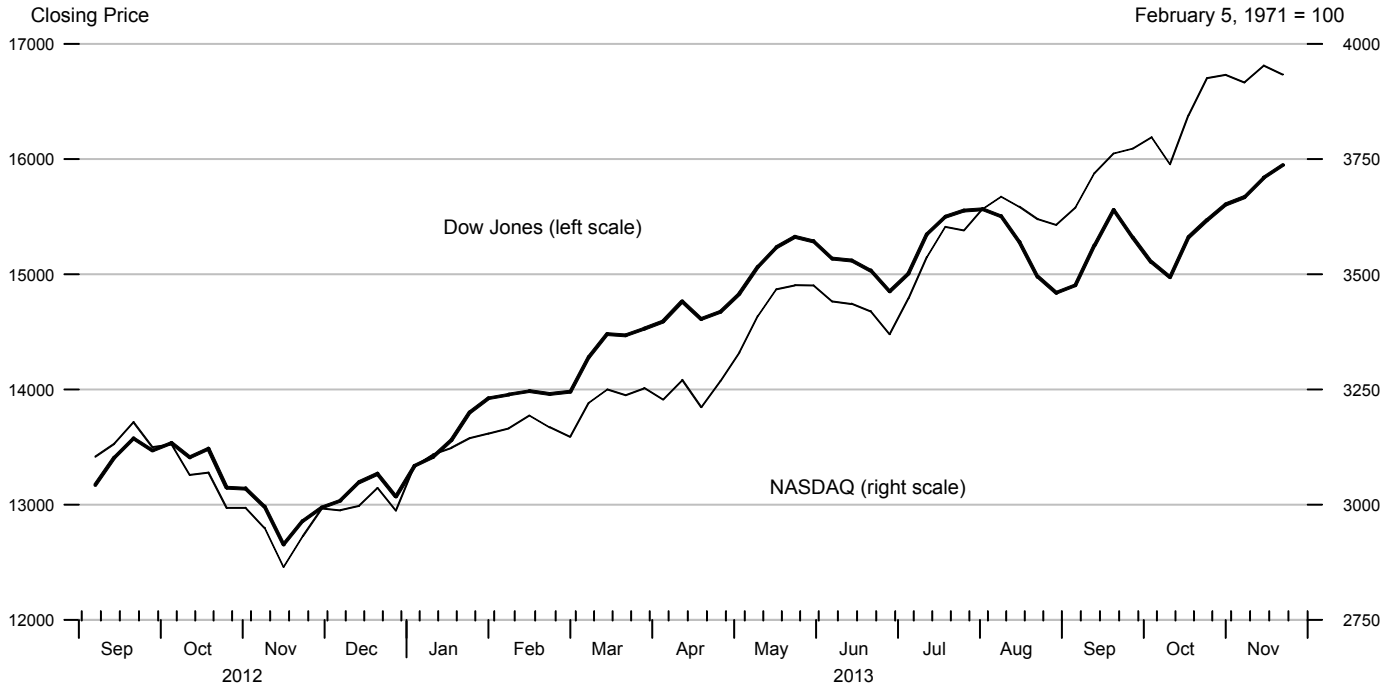
### Rates on Federal Funds Futures on Selected Dates

Percent



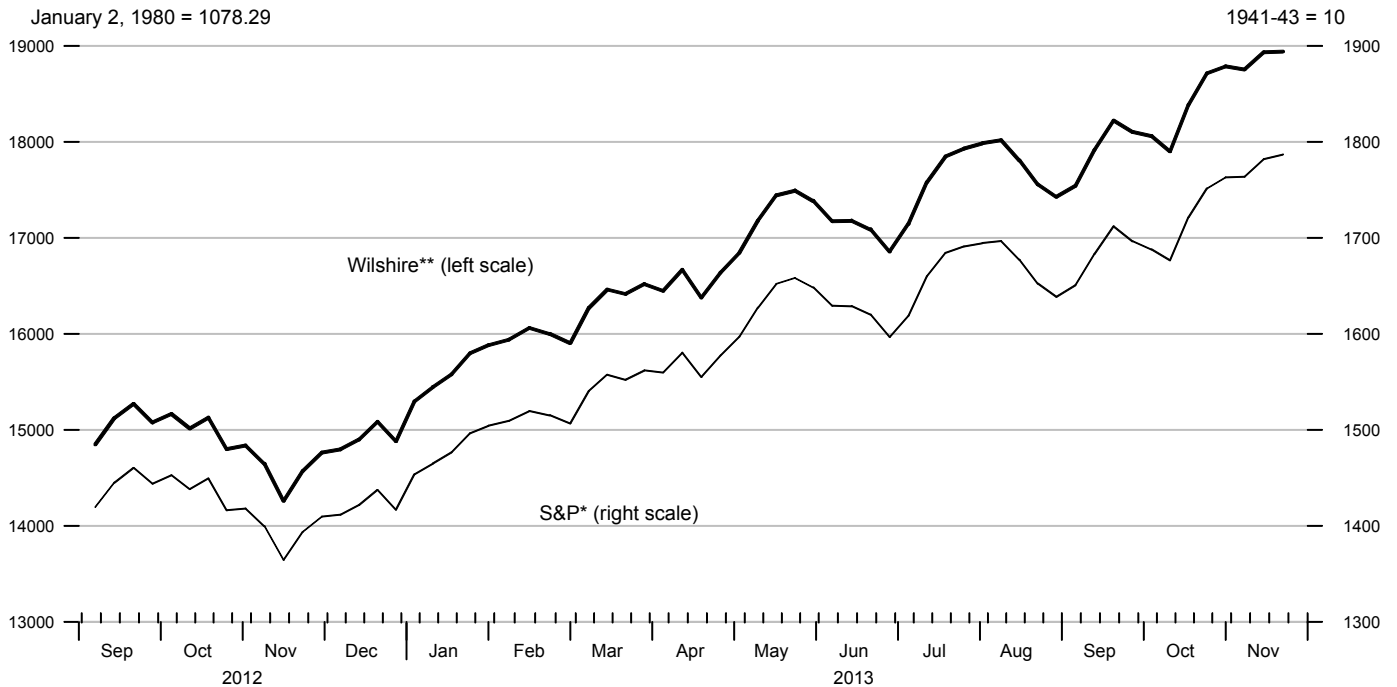
**Dow Jones Industrial Average and NASDAQ Composite®**

Averages of Daily Figures



**Wilshire 5000® and Standard & Poor's 500**

Averages of Daily Figures

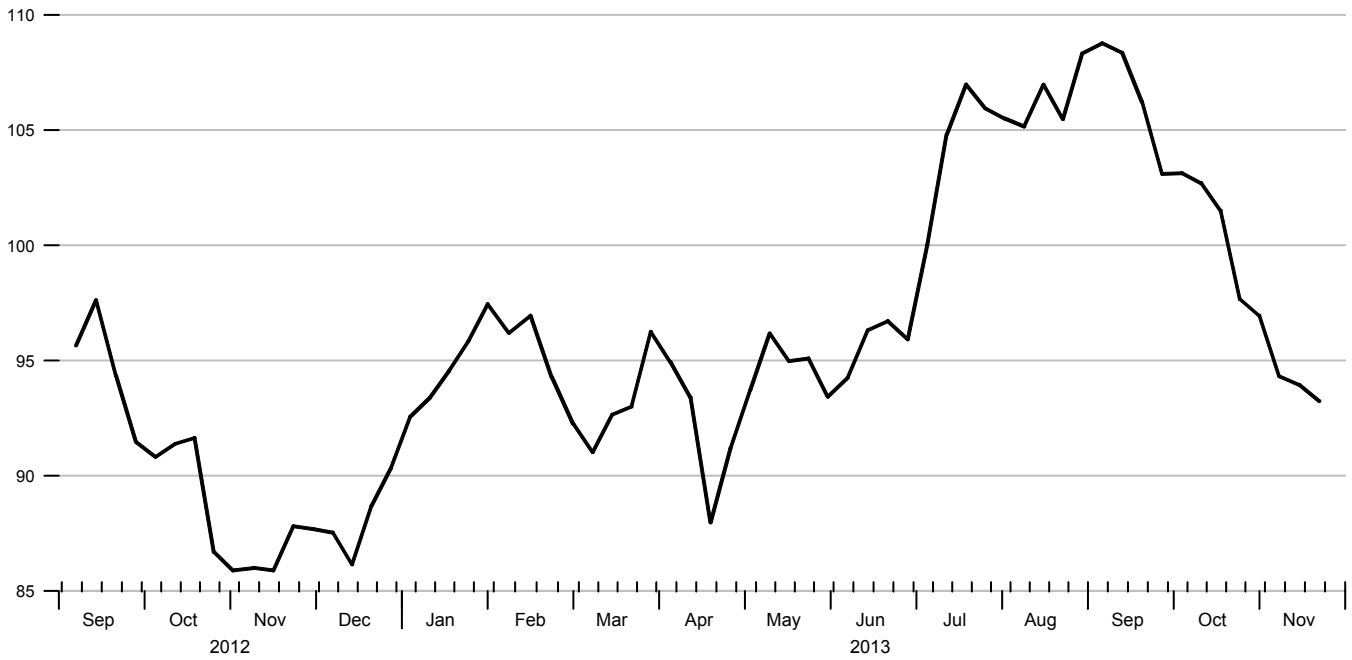


\*Copyright © 2011 The McGraw-Hill Companies, Inc. Standard & Poor's including its subsidiary corporations ("S&P") is a division of The McGraw-Hill Companies, Inc. Reproduction of this data in any form is prohibited without S&P's prior written permission.  
 \*\*Source: Wilshire Associates Incorporated, www.wilshire.com

### Crude Oil Spot Prices

West Texas Intermediate, Averages of Daily Figures

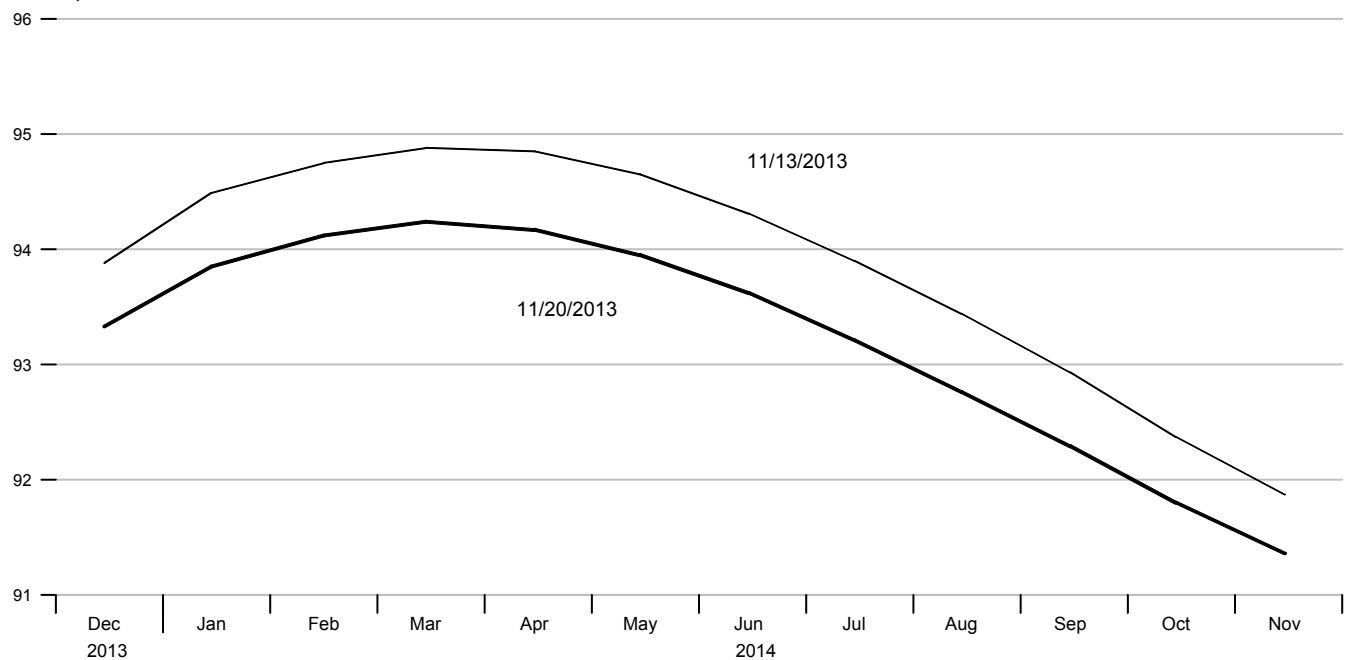
Dollars per barrel



### Crude Oil Futures Prices

West Texas Intermediate

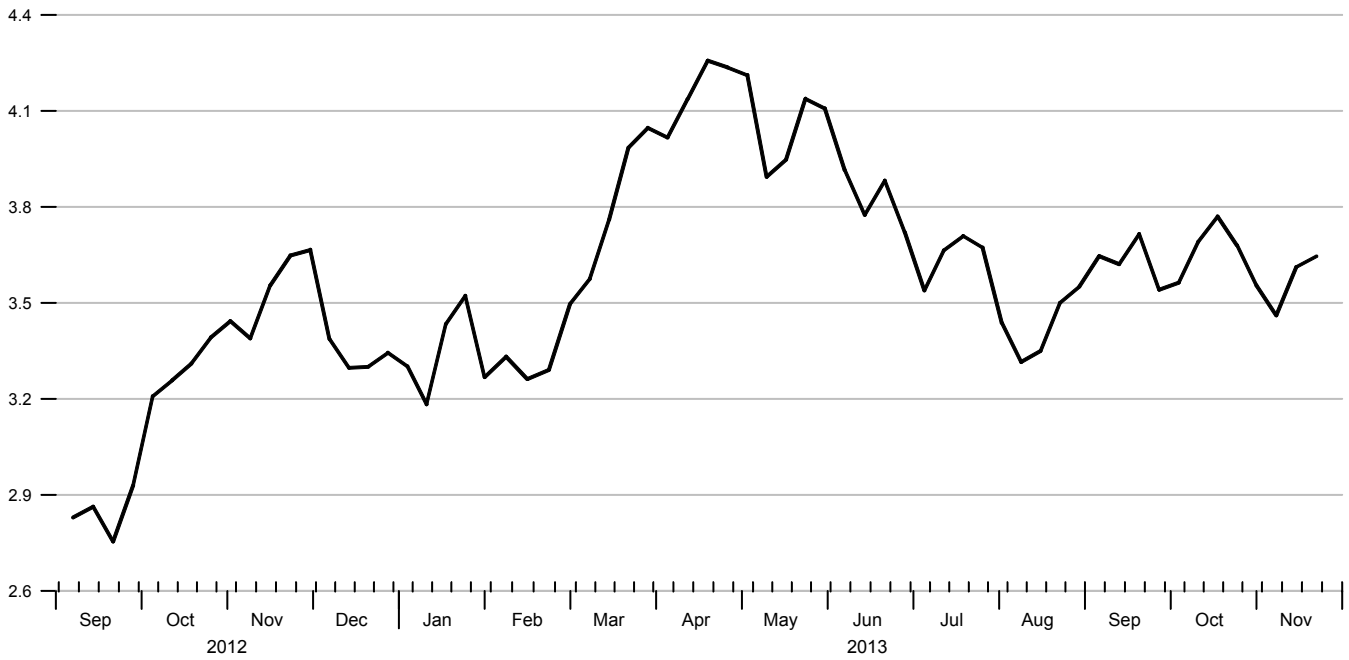
Dollars per barrel



### Natural Gas Spot Prices

Henry Hub, Averages of Daily Figures

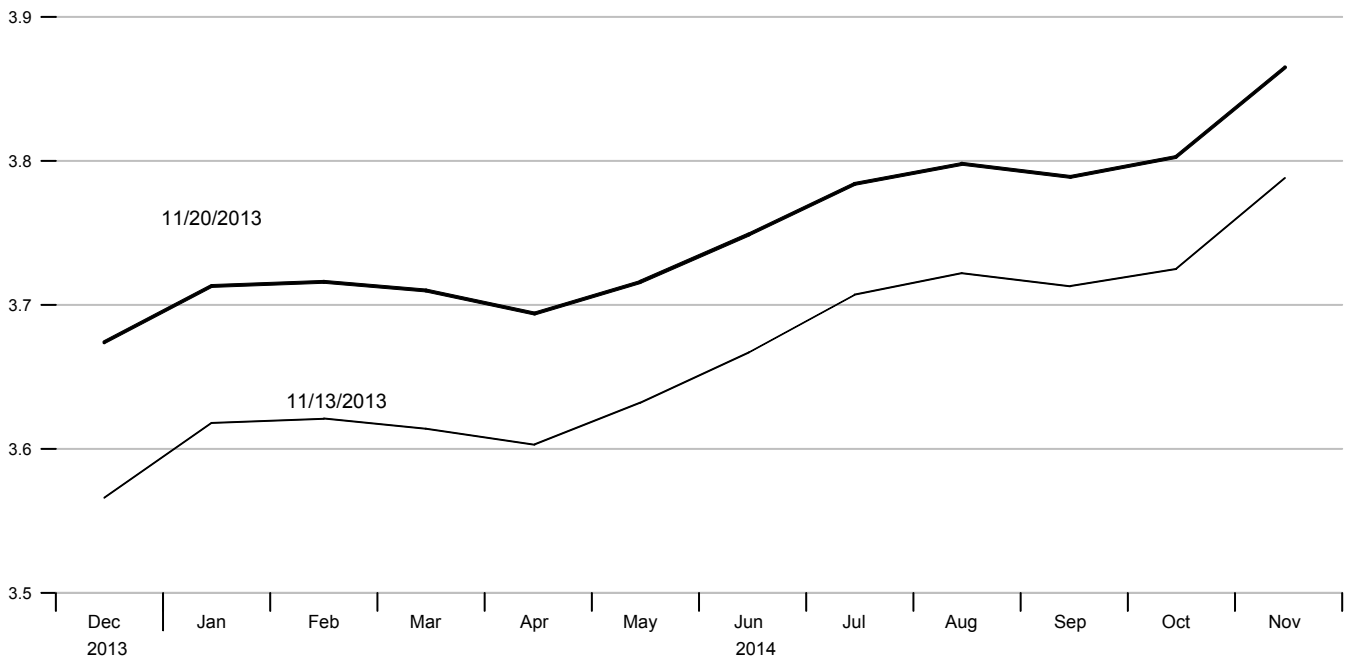
Dollars per million btu



### Natural Gas Futures Prices

Henry Hub

Dollars per million btu



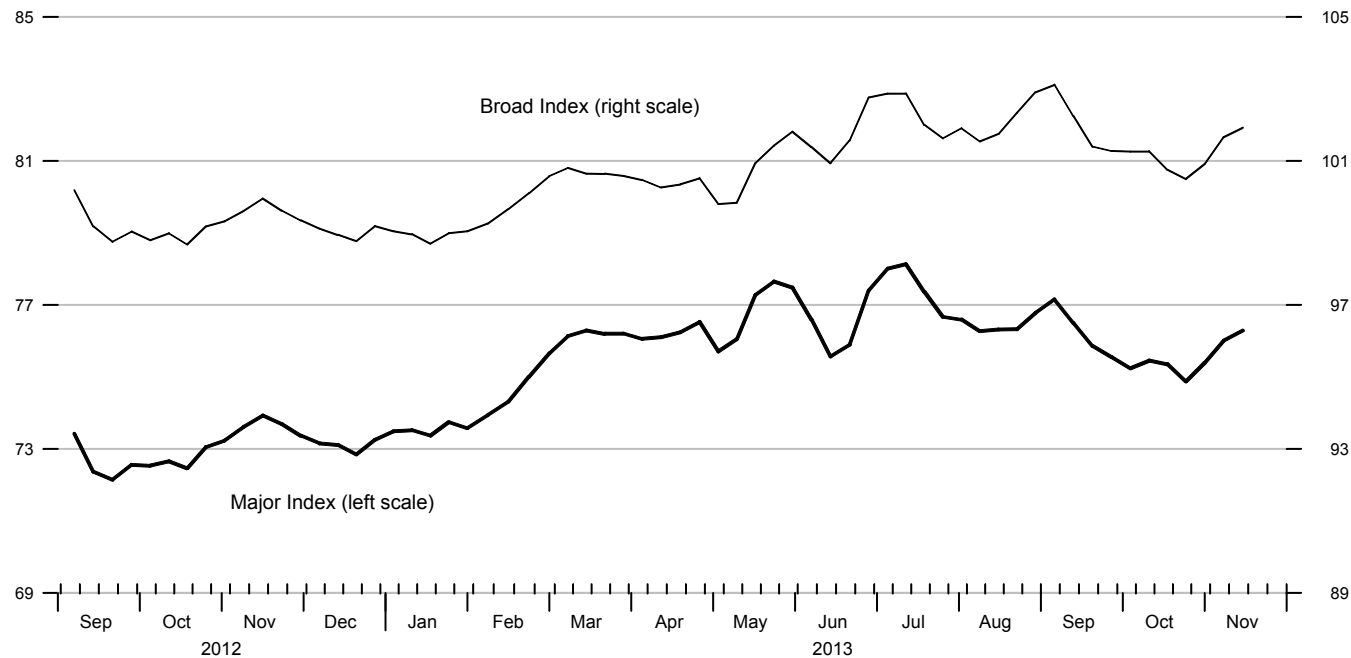


### Trade-Weighted Exchange Rate Indexes

Averages of Daily Figures

March 1973=100

January 1987=100

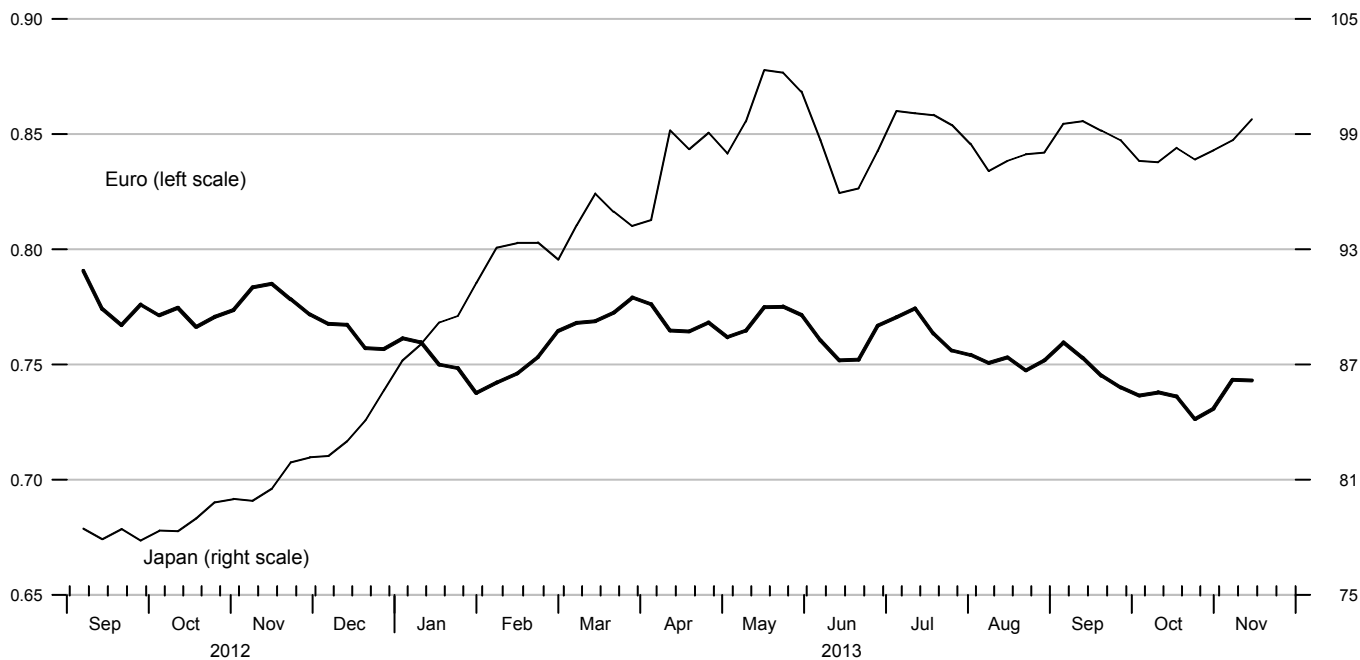


### Exchange Rates

Averages of Daily Figures

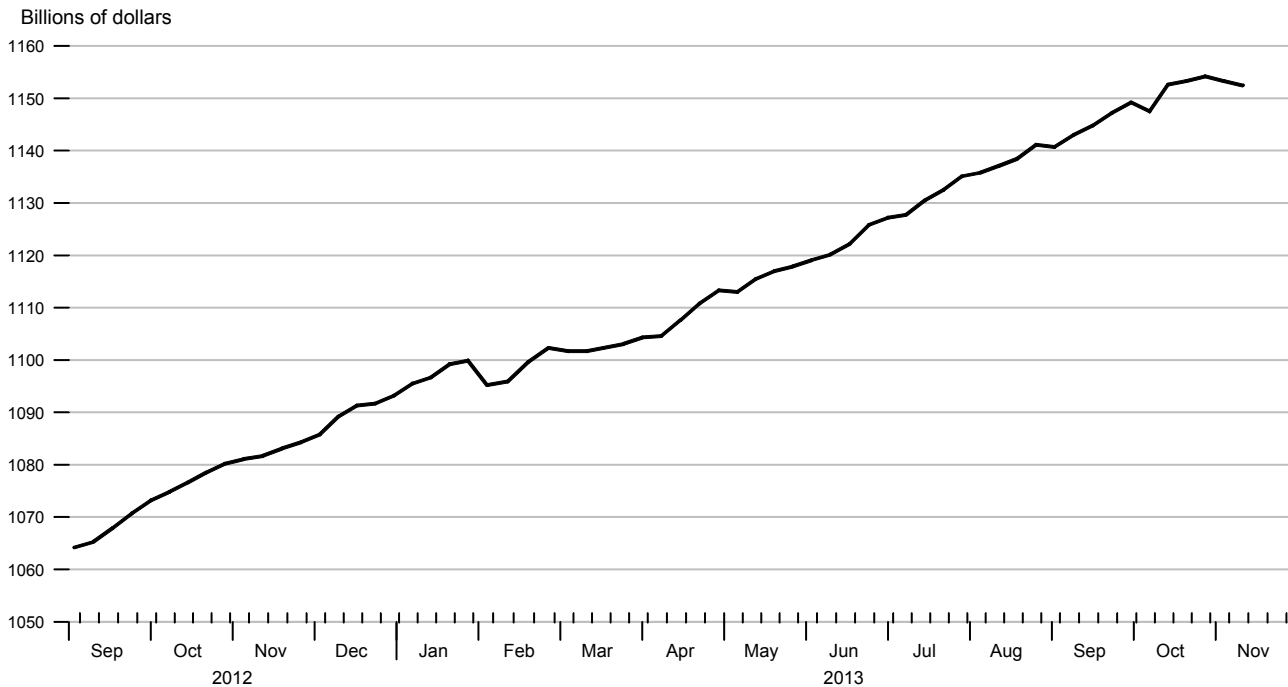
Euro/US\$

Yen/US\$



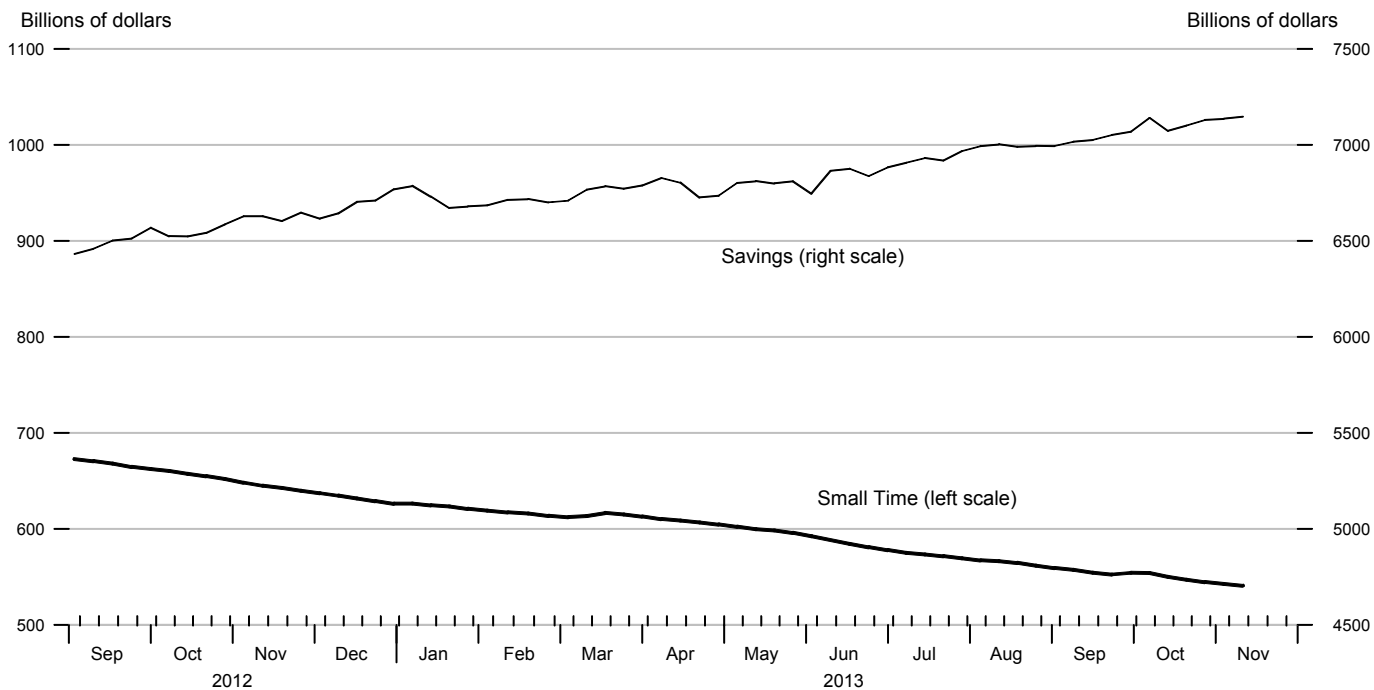
### Currency Component of M1

Averages of Daily Figures, Seasonally Adjusted



### Savings and Small Time Deposits

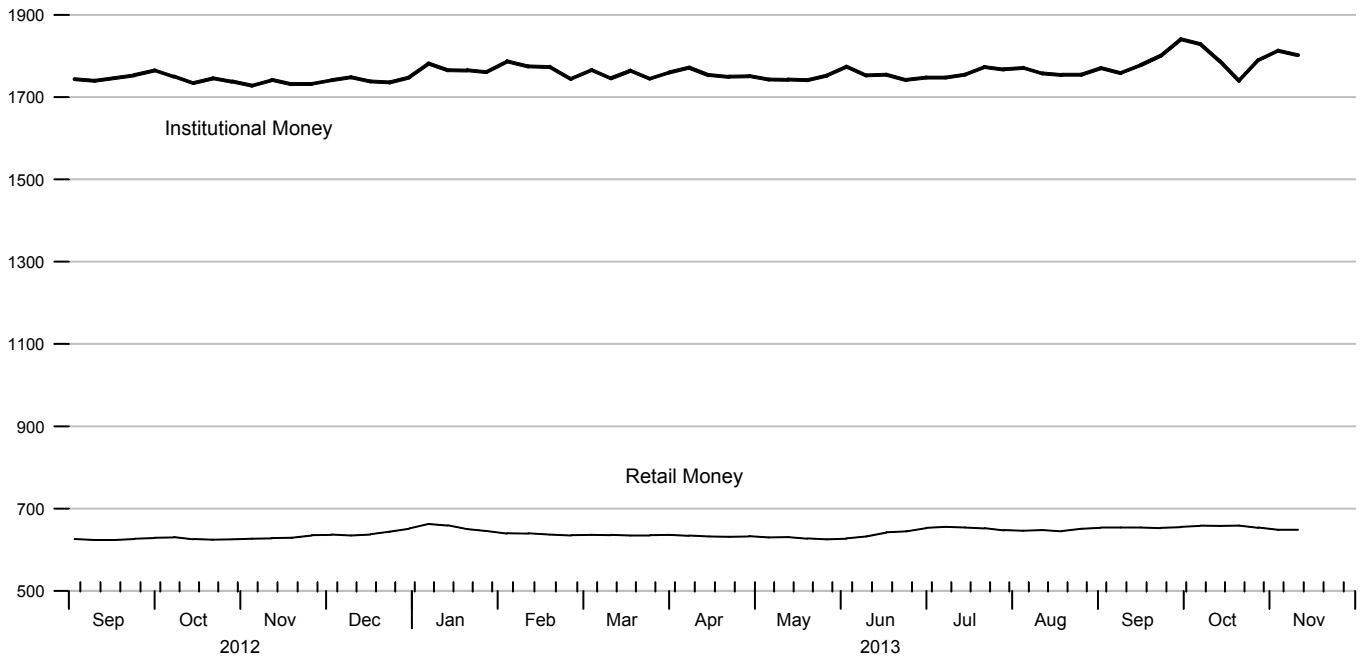
Averages of Daily Figures, Seasonally Adjusted



### Institutional and Retail Money Funds

Averages of Daily Figures, Seasonally Adjusted

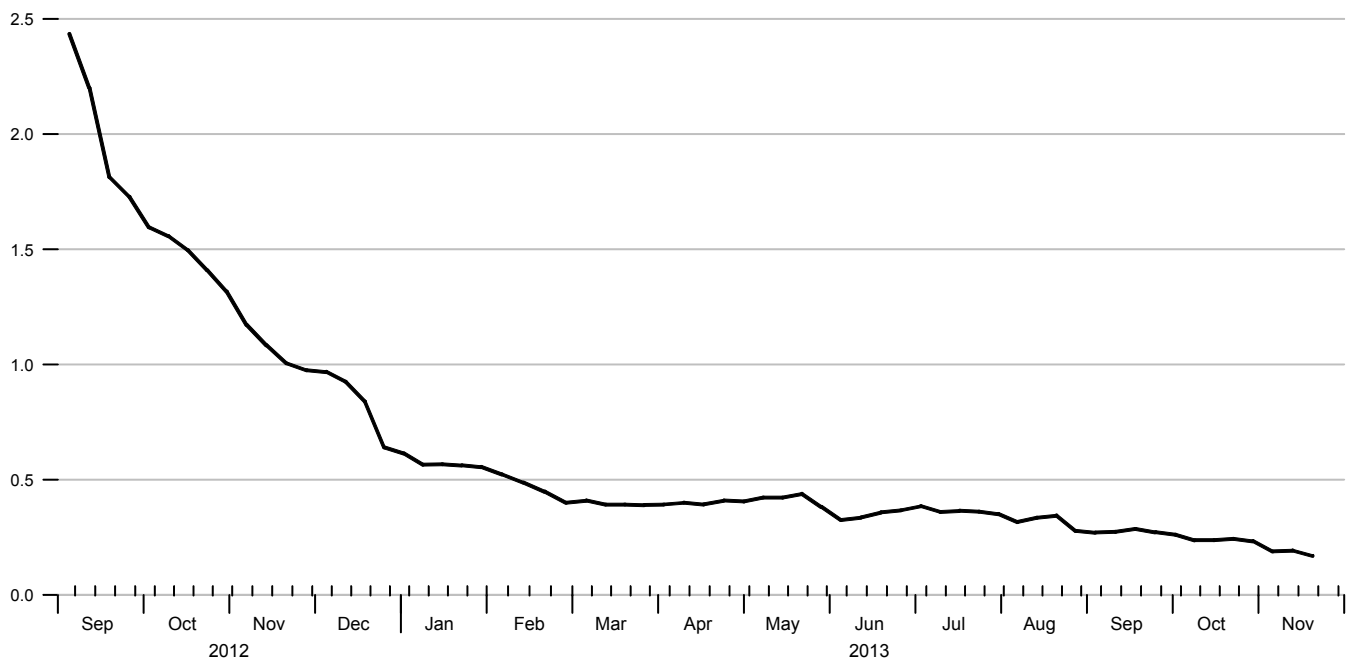
Billions of dollars



### Total Borrowings from Federal Reserve Banks

Averages of Daily Figures

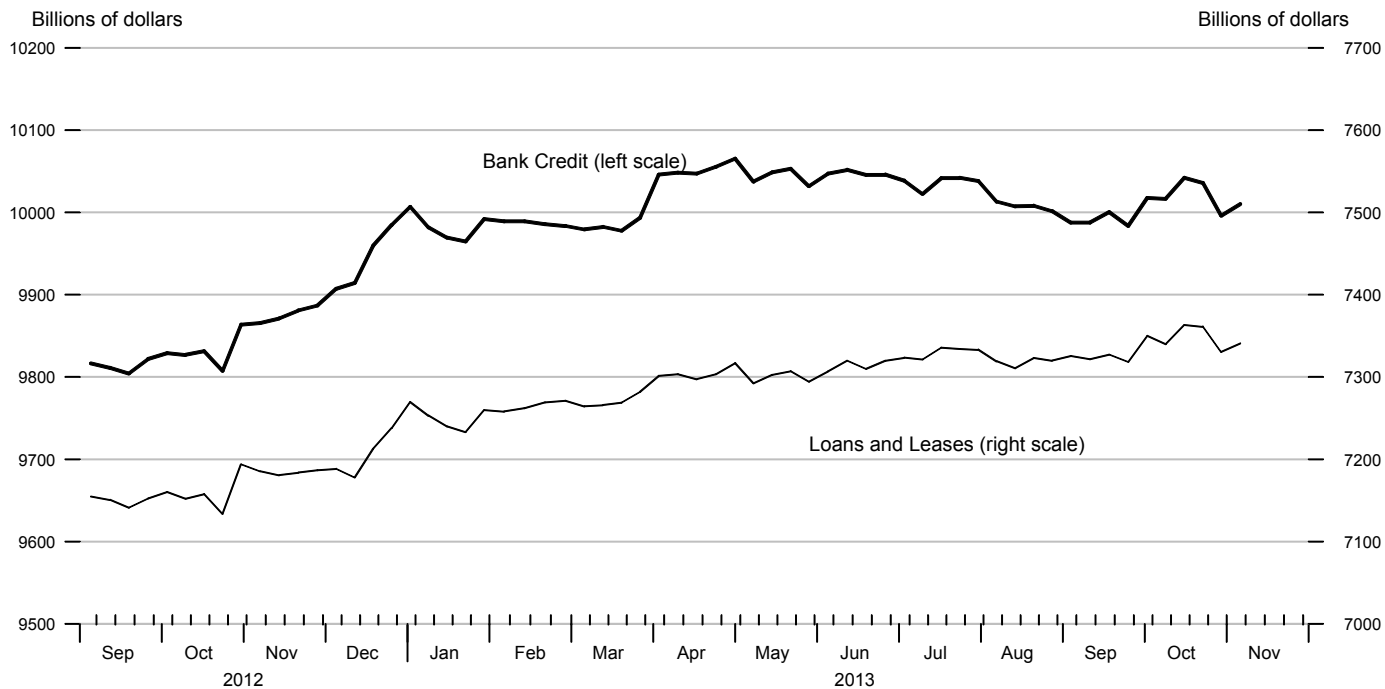
Billions of dollars



Note: Total borrowings include loans to depository institutions for primary, secondary, and seasonal credit, primary dealer and other broker-dealer credit. This category also contains asset-backed commercial paper money market mutual fund liquidity facility, credit extended to American International Group, Inc., term asset-backed securities loan facility, and other credit extensions. Term auction credit is excluded.

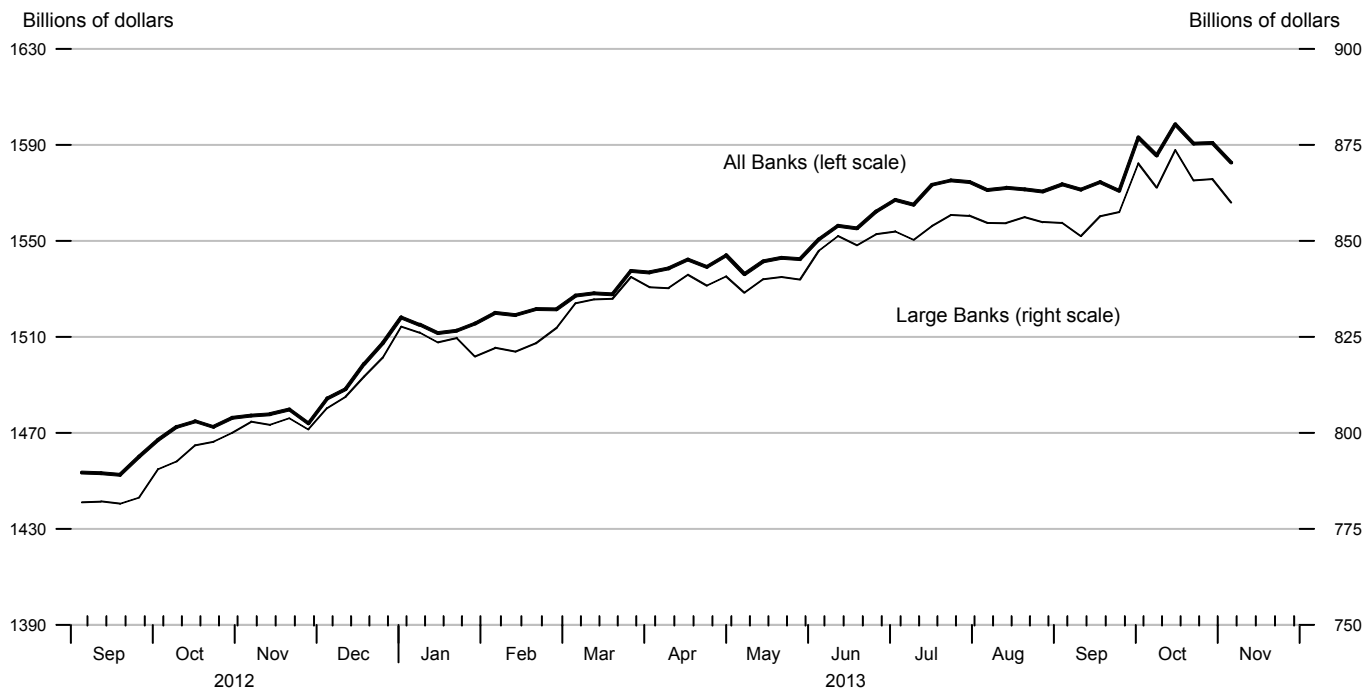
### Bank Loans and Credit

All Commercial Banks in the United States, Seasonally Adjusted



### Commercial and Industrial Loans

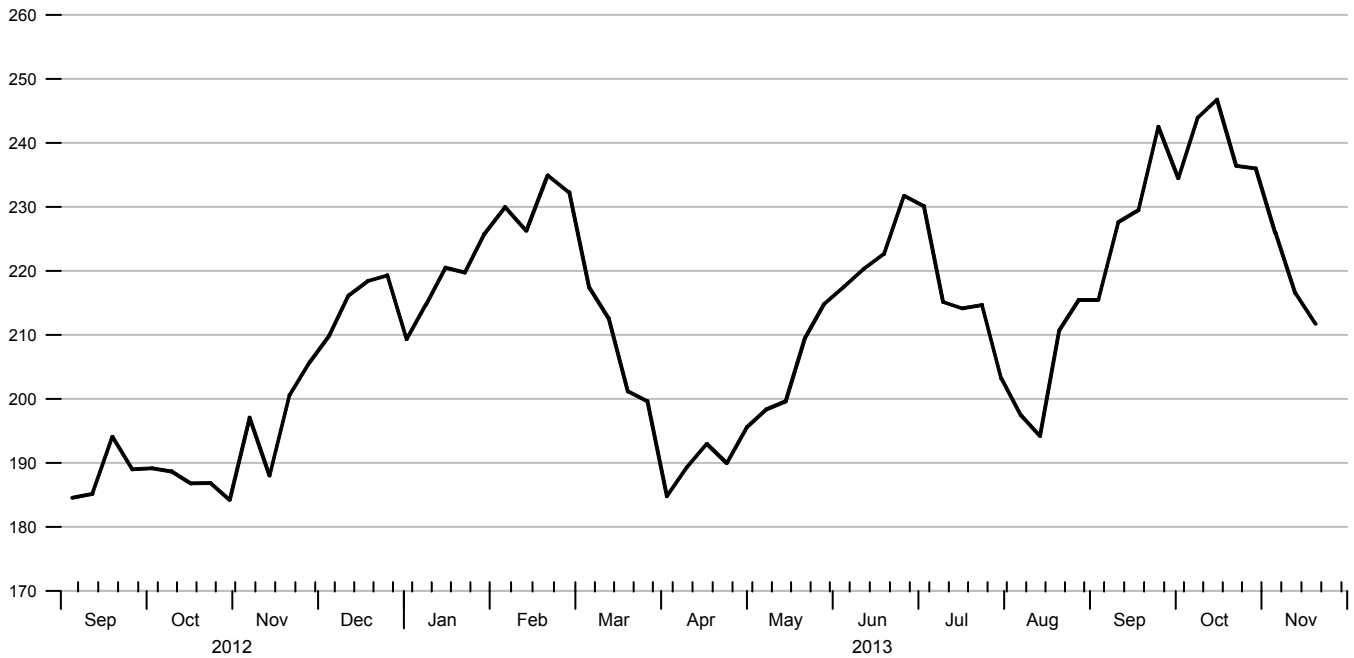
Seasonally Adjusted



### Commercial Paper Outstanding of Nonfinancial Companies

Seasonally Adjusted

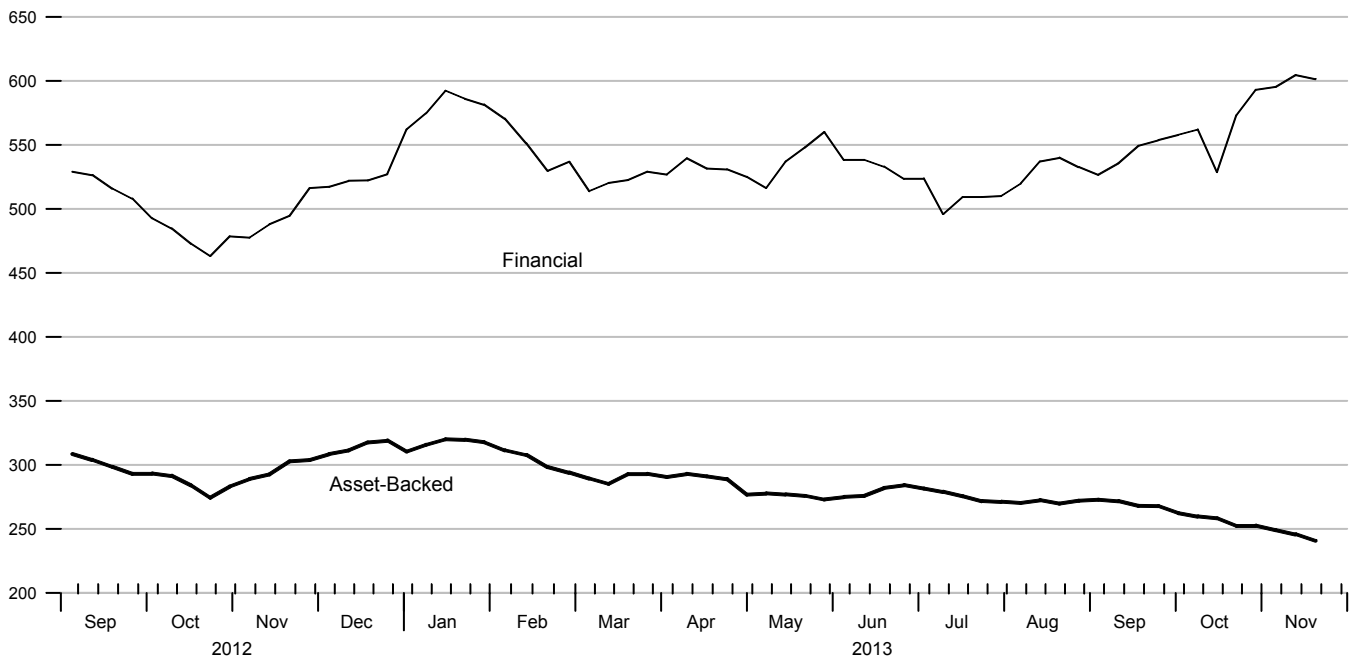
Billions of dollars



### Commercial Paper Outstanding: Financial and Asset-Backed

Seasonally Adjusted

Billions of dollars



**Interest Rates**

Percent

	30-Day Comm. Paper	90-Day CDs	2-Year Interest Rate Swap	Corporate Aaa Bonds	Corporate Baa Bonds	Municipal Bonds	Federal Funds	3-Month Treasury Bill	2-Year Treasury Securities	5-Year Treasury Securities	10-Year Treasury Securities	30-Year Treasury Securities
Aug 30	0.05	.	0.55	4.54	5.40	4.96	0.08	0.03	0.39	1.60	2.76	3.72
Sep 6	0.05	.	0.62	4.67	5.49	5.03	0.08	0.02	0.47	1.76	2.92	3.84
13	0.05	.	0.60	4.70	5.54	4.93	0.08	0.02	0.46	1.73	2.92	3.85
20	0.05	.	0.52	4.67	5.49	4.66	0.08	0.01	0.36	1.54	2.79	3.81
27	0.05	.	0.48	4.54	5.37	4.53	0.08	0.02	0.35	1.43	2.66	3.68
Oct 4	0.05	.	0.46	4.58	5.41	4.53	0.08	0.02	0.33	1.39	2.64	3.71
11	0.10	.	0.48	4.58	5.38	4.57	0.08	0.05	0.37	1.43	2.68	3.72
18	0.11	.	0.47	4.55	5.32	4.68	0.10	0.08	0.34	1.39	2.66	3.70
25	0.05	.	0.44	4.46	5.21	4.56	0.09	0.04	0.32	1.32	2.55	3.62
Nov 1	0.05	.	0.43	4.48	5.23	4.48	0.08	0.04	0.32	1.32	2.57	3.64
8	0.04	.	0.42	4.60	5.36	4.56	0.08	0.05	0.31	1.36	2.68	3.76
15	0.06	.	0.41	4.67	5.43	4.64	0.08	0.08	0.32	1.40	2.74	3.82
22*	0.05	.	0.39	4.64	5.39	.	0.09	0.08	0.29	1.36	2.73	3.82

\*Averages of rates available

**Money Stock and Components**

Billions of dollars, seasonally adjusted

	M2	MZM	Currency	Small Time	Savings	Retail Money	Institutional Money
Sep 30	10881	12168	1149	554.1	7069.1	655.2	1840.9
Oct 7	10904	12180	1148	553.8	7140.9	658.1	1829.3
14	10933	12171	1153	550.0	7073.9	657.7	1788.3
21	10989	12182	1153	547.0	7101.2	658.6	1740.1
28	10980	12226	1154	544.5	7130.0	653.5	1790.2
Nov 4	10948	12218	1153	542.5	7136.3	648.1	1812.8
11	10923	12185	1153	540.8	7147.0	648.4	1802.5

**Reserves and Base**

Billions of dollars, seasonally adjusted

	Adjusted Monetary Base	Adjusted Reserves
Aug 21	3427.856	2274.60
Sep 4	3465.638	2316.34
18	3545.751	2402.95
Oct 2	3528.271	2368.87
16	3624.814	2457.05
30	3628.117	2487.63
Nov 13	3682.285	2534.37

**Bank Loans and Credit**

Billions of dollars, seasonally adjusted

	Bank Credit	Loans and Leases	C&I Loans (All)	C&I Loans (Large)	Comm. Paper (sa)	Total Borrowings
Oct 9	10016.9	7340.0	1585.7	863.9	243.9	0.237
16	10042.1	7363.3	1598.6	873.7	246.7	0.237
23	10036.0	7361.3	1590.6	865.8	236.4	0.243
30	9996.1	7330.5	1590.9	866.1	236.0	0.233
Nov 6	10010.3	7340.9	1582.7	860.0	225.9	0.188
13	.	.	.	.	216.5	0.192
20	.	.	.	.	211.7	0.169

**Exchange Rates**

	Major Exchange Rate Index	Broad Exchange Rate Index	Exchange Rate: Euro/\$	Exchange Rate: Yen/\$
Oct 4	75.2	101.3	0.737	97.6
11	75.5	101.3	0.738	97.5
18	75.4	100.8	0.736	98.3
25	74.9	100.5	0.726	97.7
Nov 1	75.4	100.9	0.731	98.2
8	76.0	101.7	0.743	98.7
15	76.3	101.9	0.743	99.8

## Definitions

**M1:** The sum of currency held outside the vaults of depository institutions, Federal Reserve Banks, and the U.S. Treasury; travelers checks; and demand and other checkable deposits issued by financial institutions (except demand deposits due to the Treasury and depository institutions), minus cash items in process of collection and Federal Reserve float.

**M2:** M1 plus savings deposits (including money market deposit accounts) and small-denomination (less than \$100,000) time deposits issued by financial institutions; and shares in retail money market mutual funds (funds with initial investments of less than \$50,000), net of retirement accounts.

**M3:** M2 plus large-denomination (\$100,000 or more) time deposits; repurchase agreements issued by depository institutions; Eurodollar deposits, specifically, dollar-denominated deposits due to nonbank U.S. addresses held at foreign offices of U.S. banks worldwide and all banking offices in Canada and the United Kingdom; and institutional money market mutual funds (funds with initial investments of \$50,000 or more).

## Notes

*Cover Page:* Economic forecasts are median responses from the Thomson Reuters Weekly Economic Survey, which is sent out to 20 to 25 Wall Street economists each week (usually on Tuesday). These forecasts are released on Friday—at which time, Thursday's *USFD* cover page will be updated.

*Page 3:* **Adjusted Monetary Base** equals the sum of currency in circulation outside Federal Reserve Banks and the U.S. Treasury, deposits of depository financial institutions at Federal Reserve Banks, and an adjustment for the effects of changes in statutory reserve requirements on the quantity of base money held by depositories. This series is a spliced chain index; see Anderson and Rasche (1996a, 1996b, 2001, 2003).

*Page 4:* **Adjusted Reserves** is defined as the sum of vault cash and Federal Reserve Bank deposits held by depository institutions and an adjustment for the effects of changes in statutory reserve requirements on the quantity of base money held by depositories. This series, a spliced chain index, is numerically larger than the Board of Governors' measure, which excludes vault cash not used to satisfy statutory reserve requirements and Federal Reserve Bank deposits used to satisfy required clearing balance contracts; see Anderson and Rasche (1996a, 2001, 2003).

*Page 5:* **MZM** includes the zero maturity, or immediately available, components of M3. MZM equals M2 minus small-denomination time deposits, plus institutional money market mutual funds (that is, the money market mutual funds included in M3 but excluded from M2). The label MZM, or "Money, Zero Maturity," was coined by William Poole (1991) for this aggregate, proposed earlier by Motley (1988). Readers are cautioned that since early 1994 the level and growth of M1 have been depressed by retail sweep programs that reclassify transactions deposits (demand deposits and other checkable deposits) as savings deposits overnight, thereby reducing banks' required reserves; see Anderson and Rasche (2001) and [research.stlouisfed.org/agggreg/swdata.html](http://research.stlouisfed.org/agggreg/swdata.html).

*Page 7:* The asset groups are aggregates of the following categories on the H.4.1: **Short-term lending to financial firms and markets** is the sum of repurchase agreements, term auction credit, commercial paper funding facility, central bank liquidity swaps, money market investor funding facility, other loans (less AIG loan), and other assets. **Rescue operations** is the sum of credit extended to AIG, and net

portfolio holdings of Maiden Lanes I, II, III, and preferred interests in AIA Aurora and ALICO Holdings. **Operations focused on long term credit conditions** is the sum of Federal Reserve agency obligations held outright, mortgage backed securities, the term asset-backed securities loan facility (TALF), and the TALF LLC. **Traditional portfolio** is the sum of treasury securities, gold certificate account, special drawing rights, coin, items in process of collection, and bank premises. On the liability side, **Source base** is the sum of deposits of depository institutions and Federal Reserve notes. **Treasury financing account** appears on the H.4.1. **Traditional liabilities and capital account** is the sum of deferred availability cash items, foreign official account deposits, U.S. Treasury general account, accrued dividends, reverse repurchase agreements, other deposits, and capital accounts. H.4.1 data are not seasonally adjusted.

*Page 8:* **Federal Reserve Holdings of U.S. Treasury Securities** include nominal securities, inflation-indexed securities, and the compensation that adjusts for the effect of inflation on the original face value of inflation-indexed securities (inflation compensation). **Term Deposits Held by Depository Institutions** are interest-bearing deposits with a specific maturity date offered by the Federal Reserve Banks. For more information on the Term Deposit Facility, see [http://www.frbservices.org/centralbank/term\\_deposit\\_facility.html](http://www.frbservices.org/centralbank/term_deposit_facility.html).

*Page 9:* Current data appear in the Federal Reserve Board's H.4.1 release. For more information, see <http://www.federalreserve.gov/newsevents/recentactions.htm>.

*Page 10:* Current data appear in the Federal Reserve Board's H.15 release, except for the **Intended Federal Funds Rate**. Federal Funds Rate represents seven-day averages for the week ending two days earlier than the date shown in the release.

*Page 11:* Yields on the 10-year U.S. Treasury security, Aaa- and Baa-rated corporate bonds, and the interest rate on 3-year conforming mortgages appear in the Federal Reserve Board's H.15 release. The interest rates on jumbo mortgages (typically, mortgages in excess of \$417,000) are listed in the *Wall Street Journal*.

*Page 12:* **Inflation-Indexed Treasury Yields** are the most recently issued inflation-indexed bonds of 5-, 10-, and 30-year original maturities. **Inflation-Indexed Treasury Yield Spreads** equal the difference between yields on the most recently issued inflation-indexed bonds and the unadjusted **Treasury Note Yields** of similar maturities.

*Page 13:* **Rates on Federal Funds Futures Contracts** trace through time the yield on three specific contracts. **Rates on Federal Funds Futures on Selected Dates** displays a single day's snapshot of yields for contracts expiring in the months shown on the horizontal axis.

*Page 15:* **Crude Oil** (West Texas intermediate) spot and futures prices are listed in the *Wall Street Journal*. **Spot Prices** are weekly averages of daily prices; **Futures Prices** are usually taken on Wednesday.

*Page 16:* **Natural Gas** (Henry Hub) spot and futures prices are listed in the *Wall Street Journal*. **Spot Prices** are weekly averages of daily prices; **Futures Prices** are usually taken on Wednesday.

*Page 17:* Data appear in the Federal Reserve Board's H.10 release. The **Major Index** comprises 7 currencies. The **Broad Index** comprises the **Major Index** plus 19 additional currencies. Further details may be found at [www.federalreserve.gov/releases/h10/summary/](http://www.federalreserve.gov/releases/h10/summary/).

*Page 18:* Data appear in the Federal Reserve Board's H.6 release. **Savings Deposits** is the sum of money market deposit accounts and passbook and statement savings. **Small Time Deposits** have a minimum initial maturity of 7 days. Savings deposits and small time deposits are at all depository institutions.

Page 19: Data appear in the Federal Reserve Board's H.6 and H.4.1 releases. **Retail Money Funds** are included in M2. **Institutional Money Funds** are not part of M2; they used to be included in M3, which was discontinued as of March 23, 2006. See [www.federalreserve.gov/releases/h6/discm3.htm](http://www.federalreserve.gov/releases/h6/discm3.htm).

**Total Borrowings** include loans to depository institutions for (i) primary, secondary, and seasonal credit and (ii) primary dealer and other broker-dealer credit. This category also includes the asset-backed commercial paper money market mutual fund liquidity facility, credit extended to American International Group, Inc., term asset-backed securities loan facility, and other credit extensions. Term auction credit is excluded. Data and recent information regarding Federal Reserve lending programs appear in the Federal Reserve Board's H.4.1 release at <http://www.federalreserve.gov/releases/h41/Current/>.

Page 20: Data appear in the Federal Reserve Board's H.8 release. **Bank Loans and Credit** include foreign-related institutions. **Bank Credit** includes loans and leases and securities. **All Banks** includes foreign-related institutions. **Large Banks** are domestically chartered banks (adjusted for mergers) and report on a weekly basis.

Page 21: Current data appear at [www.federalreserve.gov/releases/cp/outstandings.htm](http://www.federalreserve.gov/releases/cp/outstandings.htm).

Page 22: **Treasury Security** yields are Treasury constant maturities as reported in the Board of Governors of the Federal Reserve System's H.15 release.

The **3-Month Treasury Bill** yield is the secondary market yield from the H.15 release. **Federal Funds** represents seven-day averages for the week ending two days earlier than the date shown in the table. **Municipal Bonds** represents Bond Buyer's Average Index of 20 municipal bonds, Thursday data.

## Sources

### *Board of Governors of the Federal Reserve System*

Monetary aggregates and components: H.6 release. Bank credit: H.8 release. Total Borrowings and Federal Reserve Balance Sheet Items: H.4.1 release. Interest rates: H.15 release. Exchange rates: H.10 release. Commercial paper: Board of Governors web site.

### *Chicago Board of Trade*

Federal funds futures contract.

### *Dow Jones Indexes*

Dow Jones Industrial Average.

### *Federal Reserve Bank of St. Louis*

Adjusted monetary base, adjusted reserves, and MZM.

### *NASDAQ Stock Market, Incorporated*

NASDAQ Composite®.

### *Standard & Poor's*

Standard & Poor's 500 composite index.

### *U.S. Department of the Treasury*

U.S. inflation-indexed security yields.

### *Wall Street Journal*

Jumbo mortgage interest rates, oil (West Texas intermediate) and natural gas (Henry Hub) spot and futures prices.

### *Wilshire Associates Incorporated (www.wilshire.com)*

Wilshire 5000®.

## References

Anderson, Richard G. and Robert H. Rasche (1996a). "A Revised Measure of the St. Louis Adjusted Monetary Base," Federal Reserve Bank of St. Louis *Review*, March/April, 78(2), pp. 3-13.

\_\_\_\_ and \_\_\_\_ (1996b). "Measuring the Adjusted Monetary Base in an Era of Financial Change," Federal Reserve Bank of St. Louis *Review*, November/ December, 78(6), pp. 3-37.

\_\_\_\_ and \_\_\_\_ (2001). "Retail Sweep Programs and Bank Reserves, 1994-1999," Federal Reserve Bank of St. Louis *Review*, January/February, pp. 51-72.

\_\_\_\_ and \_\_\_\_ , with Jeffrey Loesel (2003). "A Reconstruction of the Federal Reserve Bank of St. Louis Adjusted Monetary Base and Reserves," Federal Reserve Bank of St. Louis *Review*, September/October, 85(5), pp. 39-70.

Motley, Brian (1988). "Should M2 Be Redefined?" Federal Reserve Bank of San Francisco *Economic Review*, Winter, pp. 33-51.

Poole, William (1991). Statement before the Subcommittee on Domestic Monetary Policy of the Committee on Banking, Finance and Urban Affairs, U.S. House of Representatives, November 6, 1991. Government Printing Office, Serial No. 102-82.

**Note:** Articles from this Bank's *Review* are available on the Internet at [research.stlouisfed.org/publications/review/](http://research.stlouisfed.org/publications/review/).