

October 4, 2007 Advance Edition



# Calendar of Releases

	Titles for the current	week are links to their	respective releases.	
MONDAY*	TUESDAY	WEDNESDAY	THURSDAY*	FRIDAY
October 1 ISM Index (Sep) A: 52.0 PF: 52.8 Latest Issue National Economic Trends Latest Issue The Regional Economist	October 2	October 3 ISM Non Mfg Index (Sep) A: 54.8 PF: 54.5	October 4 Initial Claims (9/29) A: 317K PF: 310K Factory Orders (Aug) A: -3.3% PF: -2.9%	October 5 Nonfarm Payrolls (Sep) A: N/A PF: 115K Unemployment Rate (Sep) A: N/A PF: 4.7% Consumer Credit (Aug) A: N/A PF: \$8.6B
October 8	October 9 FOMC Minutes (previous meeting)	October 10	October 11 Initial Claims (10/6) CF: N/A PF: 310K International Trade (Aug) CF: N/A PF: \$-59.0B Import Prices (Sep) CF: N/A PF: 0.8%	October 12 Retail Sales (Sep) CF: N/A PF: 0.1% Business Inventories (Aug) CF: N/A PF: 0.4% PPI (Sep) CF: N/A PF: 0.4% Core PPI (Sep) CF: N/A PF: 0.2%
October 15	October 16 Industrial Production (Sep) CF: N/A Capacity Utilization (Sep) CF: N/A Latest Issue Monetary Trends	October 17 Housing Starts (Sep) CF: N/A Building Permits (Sep) CF: N/A CPI (Sep) CF: N/A Core CPI (Sep) CF: N/A Current Economic Conditions (Beige Book)	October 18 Initial Claims (10/13) CF: N/A	October 19

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 Financial. ©Thomson Financial, 2007. 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	Yields on Selected Securities
8	Yields on Nominal and Inflation-Indexed Treasury Securities
9	Federal Funds Futures Market
10	Equity Price Indices
11	Crude Oil Prices
12	Natural Gas Prices
13	Exchange Rates
14	Currency, Savings, and Small Time Deposits
15	Institutional and Retail Money Funds, and Borrowings from Federal Reserve Banks
16	Bank Loans
17	Commercial Paper
18	Reference Tables
19	Notes

# Conventions used in this publication:

- 1. Unless otherwise indicated, figure and table data are weekly and seasonally adjusted.
- 2. For pages 7, 10, 12 (top chart), 13, and 18 (top and bottom right tables), 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

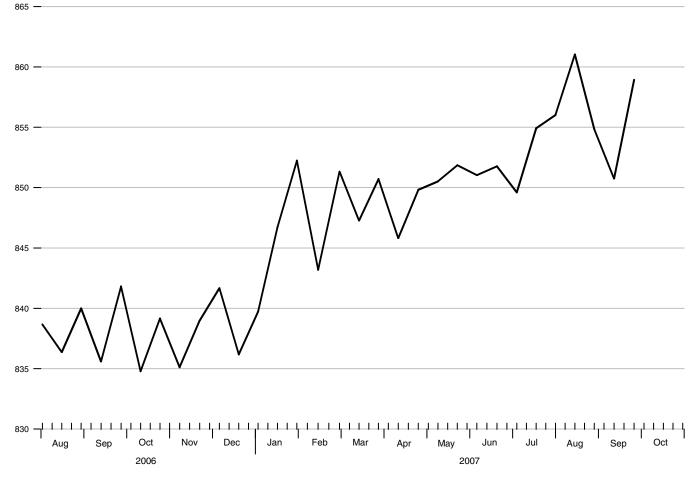
or to:

stlsFRED@stls.frb.org

#### **Adjusted Monetary Base**

Averages of Daily Figures, Seasonally Adjusted



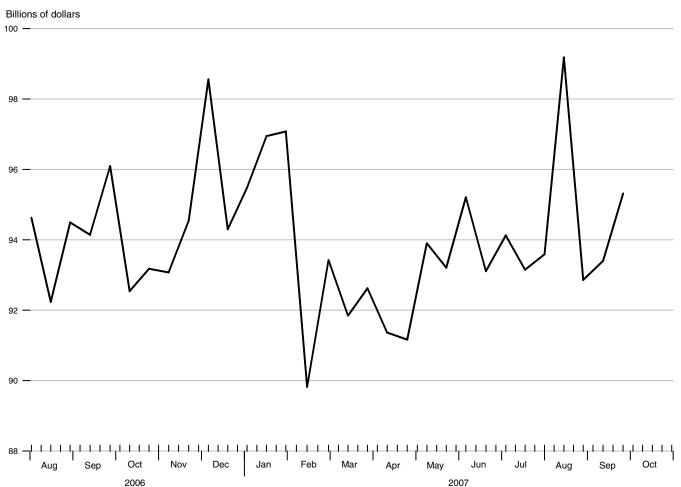


# **Adjusted Monetary Base**

Compounded annual rates of change, average of two maintenance periods ending:											
09/27/06	12/20/06	02/28/07	03/28/07	04/25/07	05/23/07	07/04/07	08/01/07				
2.4											
2.5	4.5										
1.9	3.1	0.4									
2.3	3.5	2.0	1.7								
1.9	2.6	1.2	0.7	1.8							
2.4	3.2	2.3	2.2	3.4	2.6						
2.5	3.3	2.5	2.5	3.5	3.0	5.7					
1.9	2.5	1.6	1.4	2.0	1.2	2.1	-0.5				
	09/27/06 2.4 2.5 1.9 2.3 1.9 2.4 2.5	09/27/06  12/20/06    2.4     2.5  4.5    1.9  3.1    2.3  3.5    1.9  2.6    2.4  3.2    2.5  3.3	09/27/0612/20/0602/28/072.4	09/27/06  12/20/06  02/28/07  03/28/07    2.4  2.5  4.5	09/27/0612/20/0602/28/0703/28/0704/25/072.4	09/27/0612/20/0602/28/0703/28/0704/25/0705/23/072.4	09/27/0612/20/0602/28/0703/28/0704/25/0705/23/0707/04/072.4				

#### **Adjusted Reserves**

Seasonally Adjusted



## **Adjusted Reserves**

To the average of	Compounded annual rates of change, average of two maintenance periods ending:											
two maintenance periods ending:	09/27/06	12/20/06	02/28/07	03/28/07	04/25/07	05/23/07	07/04/07	08/01/07				
02/28/07	-8.5											
03/28/07	-6.0	-15.2										
04/25/07	-6.9	-14.7	-2.5									
05/23/07	-2.5	-6.9	9.5	9.7								
07/04/07	-2.0	-5.3	6.4	5.7	14.2							
08/01/07	-2.2	-5.1	4.6	3.6	8.8	-1.0						
08/29/07	1.0	-0.6	9.8	10.0	15.8	10.2	17.9					
09/26/07	-0.8	-2.8	5.2	4.7	8.2	2.5	3.5	7.1				

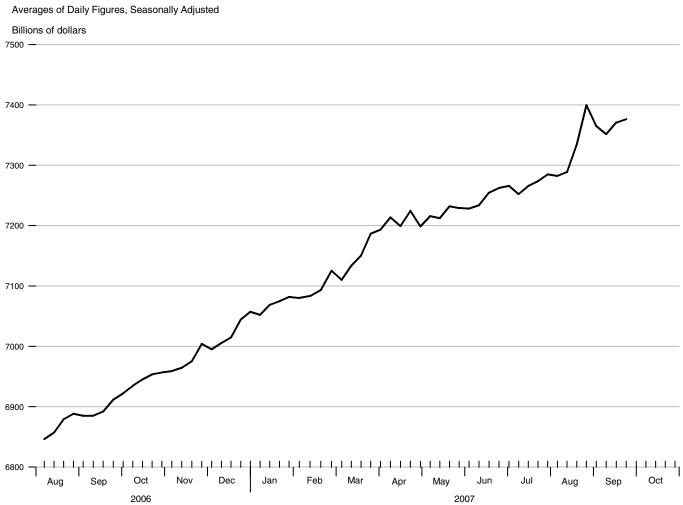
#### MZM

Averages of Daily Figures, Seasonally Adjusted Billions of dollars 7900 — 7800 -7700 -7600 -7500 -7400 -7300 -7200 -7100 -7000 -Oct Nov Dec Jan Feb Mar Apr Мау Jun Jul Sep Oct Aug Sep Aug 2006 2007

### MZM

To the average		Compounded annual rates of change, average of four weeks ending:										
of four weeks ending:	09/25/06	12/18/06	02/26/07	03/26/07	04/23/07	05/21/07	07/02/07	07/30/07				
02/26/07	8.2											
03/26/07	9.1	9.1										
04/23/07	10.3	11.1	16.3									
05/21/07	9.9	10.3	13.0	12.4								
07/02/07	9.7	10.0	11.6	10.8	8.0							
07/30/07	9.6	9.7	10.9	10.2	8.0	8.5						
08/27/07	10.6	11.1	12.7	12.4	11.2	12.5	15.3					
09/24/07	11.5	12.2	14.0	14.0	13.2	14.7	17.8	23.0				

#### M2



# M2

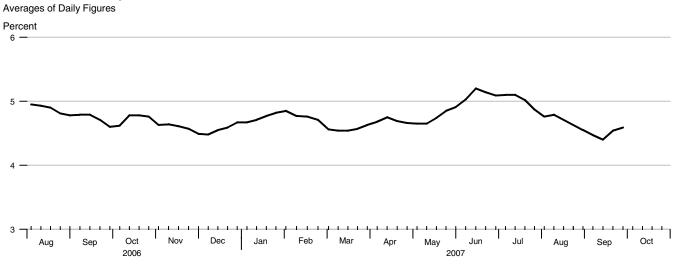
To the average	Compounded annual rates of change, average of four weeks ending:										
of four weeks ending:	09/25/06	12/18/06	02/26/07	03/26/07	04/23/07	05/21/07	07/02/07	07/30/07			
02/26/07	7.1										
03/26/07	7.4	7.6									
04/23/07	8.0	8.6	10.7								
05/21/07	7.2	7.2	7.5	6.5							
07/02/07	6.9	6.7	6.6	5.8	3.4						
07/30/07	6.5	6.2	5.9	5.1	3.2	4.0					
08/27/07	6.8	6.7	6.6	6.1	4.8	5.9	6.6				
09/24/07	6.9	6.8	6.7	6.3	5.3	6.2	6.9	9.0			

#### **Yields on Selected Securities**

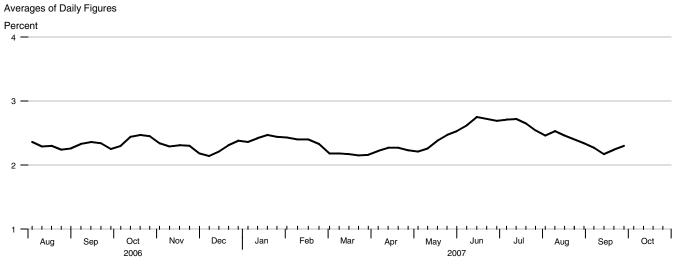
Averages of Daily Figures



#### **10-Year Treasury Note Yield**

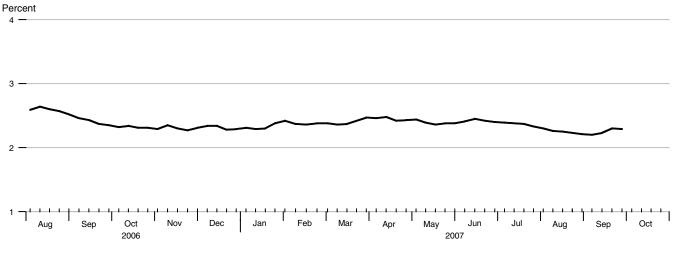


**10-Year Inflation-Indexed Treasury Yield** 

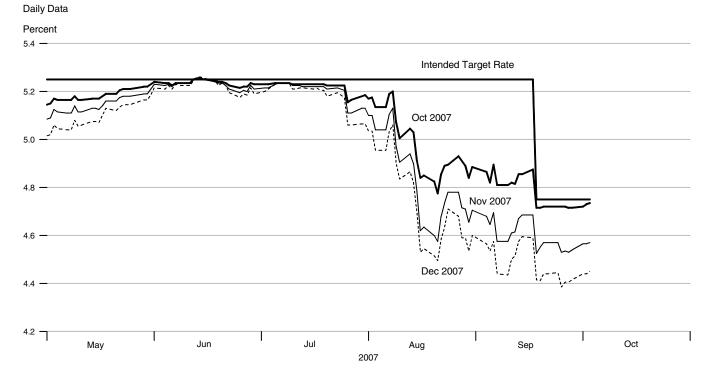


10-Year Inflation-Indexed Treasury Yield Spread

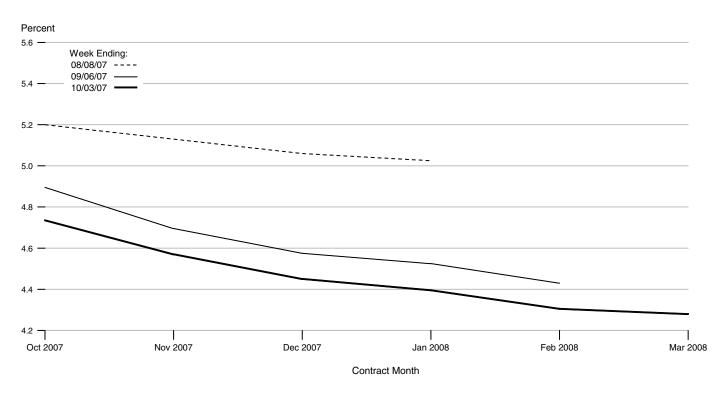
#### Averages of Daily Figures



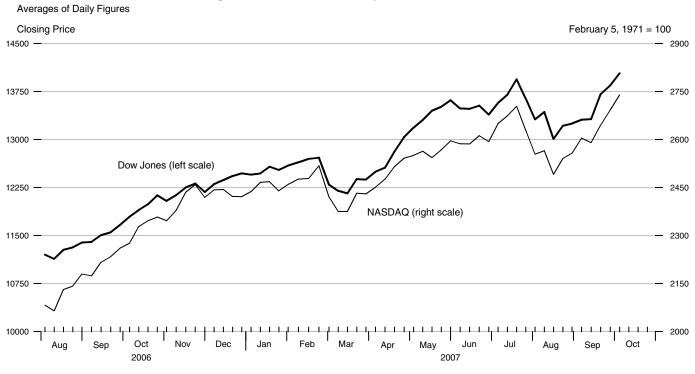
# **Rates on Federal Funds Futures Contracts**



## **Rates on Federal Funds Futures on Selected Dates**



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



#### Wilshire 5000<sup>®</sup> and Standard & Poor's 500

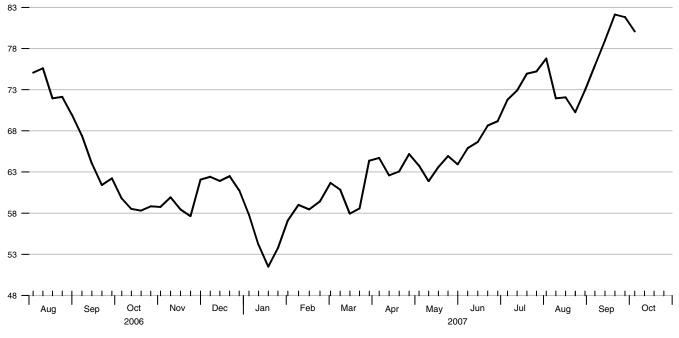
Averages of Daily Figures January 2, 1980 = 1078.29 1941-43 = 10 16000 - 1600 15500 1550 15000 1500 Wilshire\*\* (left scale) 14500 1450 S&P\* (right scale) 14000 1400 13500 1350 13000 - 1300 12500 ...... Mar Apr May Jun Jul Aug Sep Oct 1 1 1 11 + 1 + 1. . . . . . . . . 1 1 1 Oct Aug Sep Nov Dec Jan Feb 2006 2007 \*Copyright © 2003 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**

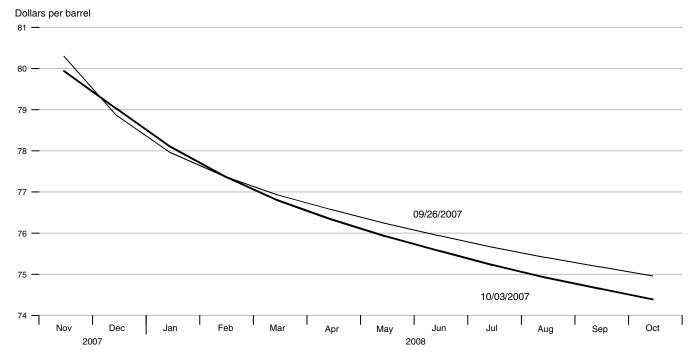
West Texas Intermediate, Averages of Daily Figures

#### Dollars per barrel



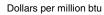
**Crude Oil Futures Prices** 

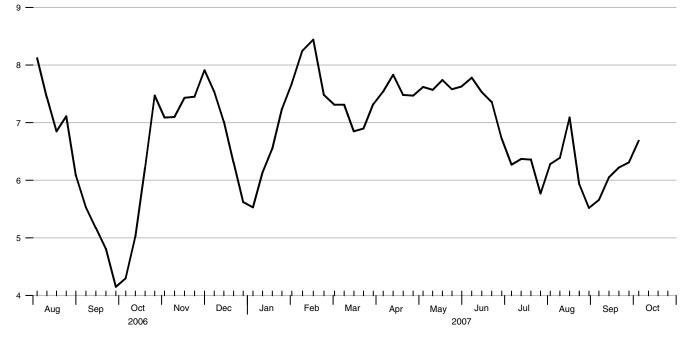
West Texas Intermediate



#### **Natural Gas Spot Prices**

Henry Hub, Averages of Daily Figures

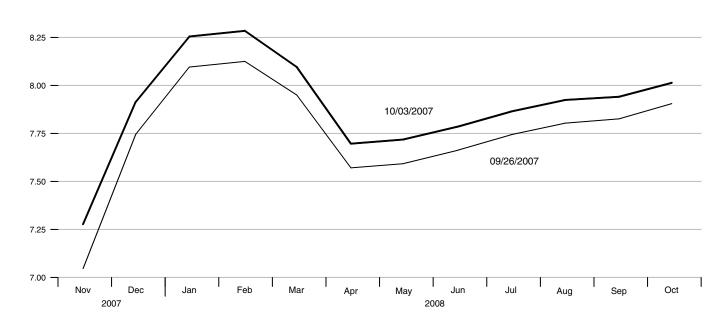




**Natural Gas Futures Prices** 

Henry Hub

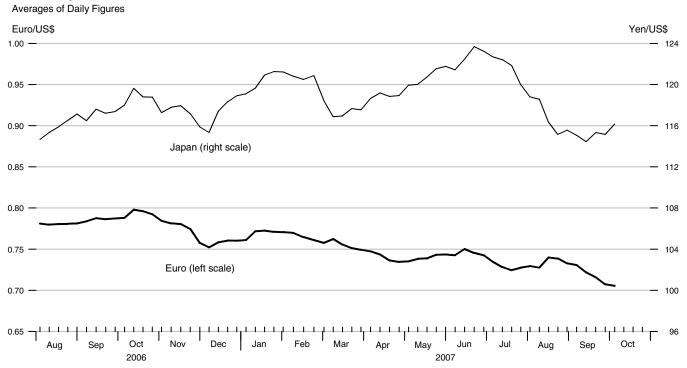
Dollars per million btu 8.50 —



#### Averages of Daily Figures March 1973=100 January 1987=100 90.0 — - 110.0 87.5 -- 107.5 Broad Index (right scale) 85.0 - 105.0 Major Index (left scale) 82.5 -102.5 80.0 -- 100.0 77.5 -97.5 75.0 — 95.0 Oct 2006 2007

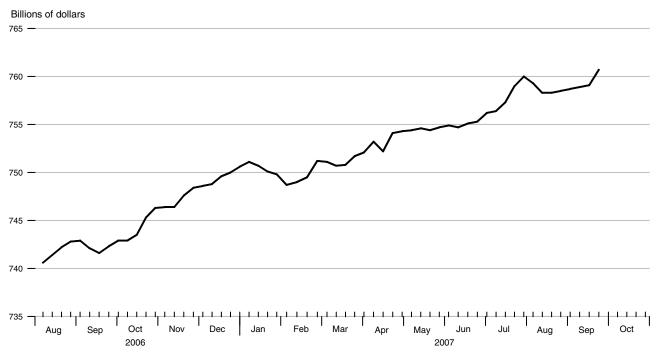
#### **Trade-Weighted Exchange Rate Indexes**

**Exchange Rates** 

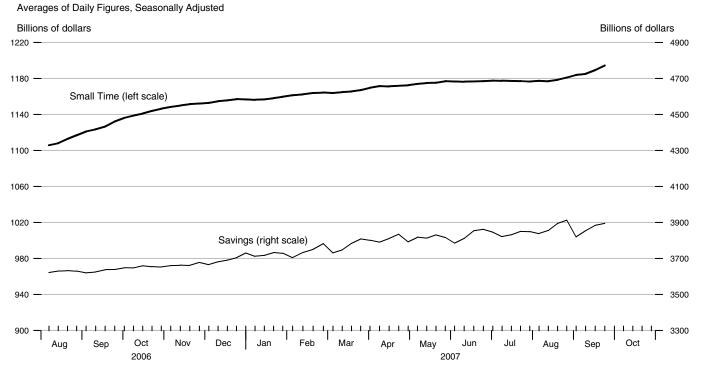


### **Currency Component of M1**

Averages of Daily Figures, Seasonally Adjusted

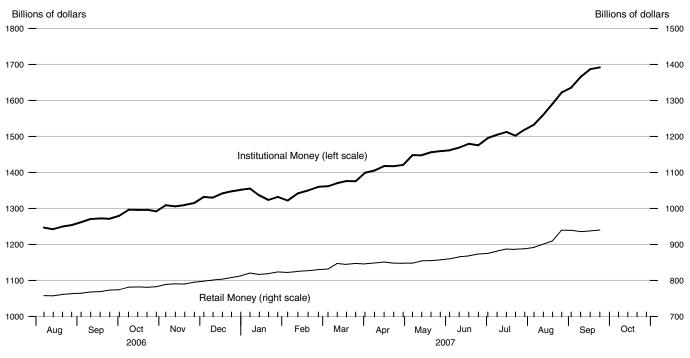


#### **Savings and Small Time Deposits**



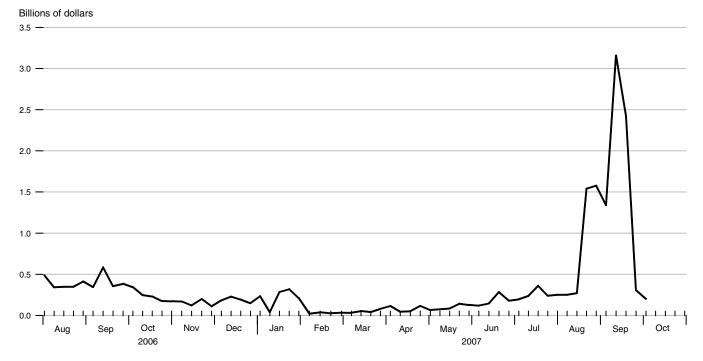
#### Institutional and Retail Money Funds

Averages of Daily Figures, Seasonally Adjusted



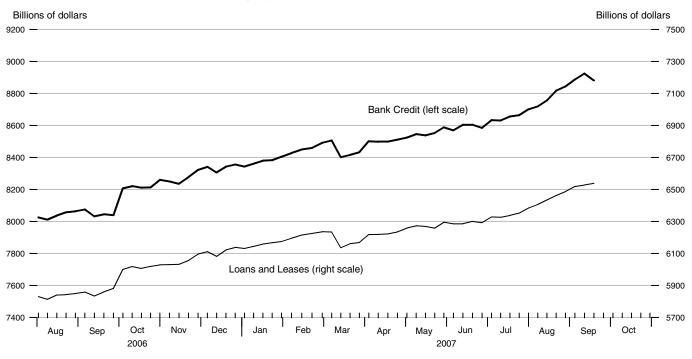
#### **Total Borrowings from Federal Reserve Banks**

Averages of Daily Figures

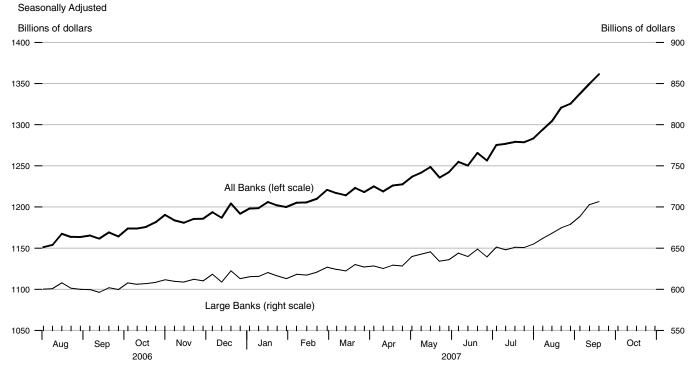


#### **Bank Loans and Credit**

All Commercial Banks in the United States, Seasonally Adjusted

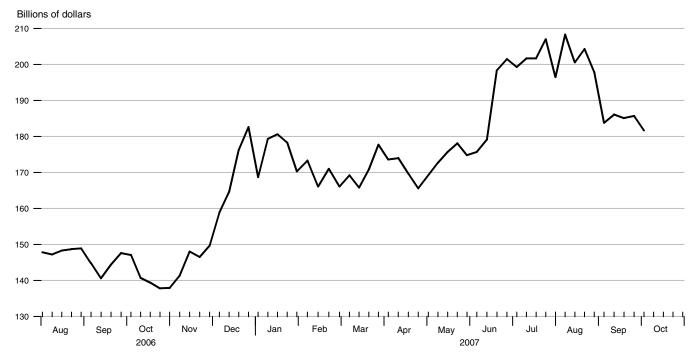


## **Commercial and Industrial Loans**



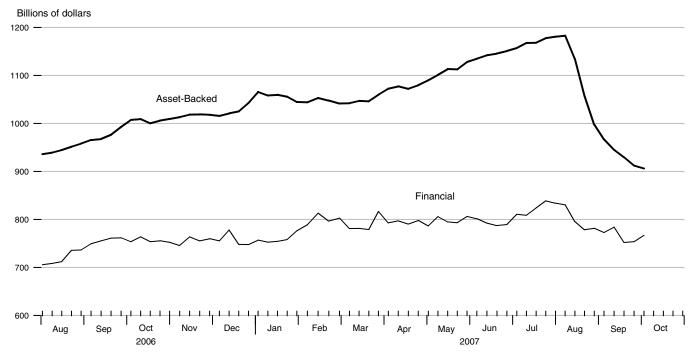
# **Commercial Paper of Nonfinancial Companies**

Seasonally Adjusted



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

Seasonally Adjusted



#### **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
Jul	13	5.24	5.32	5.41	5.81	6.69	4.60	5.23	4.82	4.92	5.00	5.10	5.20
	20	5.23	5.32	5.36	5.74	6.62	4.55	5.27	4.83	4.86	4.93	5.03	5.12
	27	5.24	5.32	5.25	5.64	6.61	4.47	5.26	4.82	4.69	4.74	4.88	5.01
Aug	3	5.24	5.33	5.09	5.63	6.62	4.51	5.27	4.77	4.55	4.60	4.77	4.91
	10	5.28	5.43	5.06	5.78	6.66	4.59	5.25	4.69	4.52	4.60	4.79	4.97
	17	5.24	5.52	4.97	5.85	6.70	4.59	4.79	4.11	4.28	4.42	4.70	4.98
	24	5.23	5.49	4.89	5.85	6.68	4.81	4.91	3.62	4.16	4.34	4.62	4.94
	31	5.22	5.59	4.87	5.77	6.60	4.70	5.11	4.06	4.16	4.28	4.55	4.85
Sep	7	5.19	5.73	4.79	5.73	6.55	4.57	5.03	4.18	4.04	4.16	4.48	4.78
	14	5.02	5.67	4.70	5.66	6.54	4.46	4.98	3.93	3.98	4.12	4.42	4.69
	21	4.84	5.30	4.71	5.77	6.65	4.51	5.12	3.82	4.05	4.25	4.57	4.83
	28	4.77	5.20	4.65	5.79	6.63	4.48	4.78	3.69	3.99	4.26	4.61	4.87
Oct	5*	4.73	5.22	4.67	5.72	6.54		4.72	3.85	4.01	4.23	4.55	4.78

\*Averages of rates available

# Money Stock and Components

Billions of dollars, seasonally adjusted

	M2	MZM	Currency	Small Time	Savings	Retail Money	Institutional Money			Adjusted Monetary Base	Adjusted Reserves
Aug 13	7289.0	7672.3	758.3	1177.0	3855.2	901.1	1560.3	Jul	4	849.611	94.125
20	7334.4	7746.8	758.3	1178.5	3894.2	910.2	1590.9		18	854.921	93.148
27	7399.6	7841.2	758.5	1181.0	3912.4	939.6	1622.6	Aug	1	856.023	93.589
Sep 3	7365.2	7817.0	758.7	1184.0	3819.8	939.4	1635.8		15	861.034	99.184
10	7351.7	7831.8	758.9	1185.2	3854.1	935.7	1665.3		29	854.857	92.859
17	7370.8	7868.4	759.1	1189.4	3883.9	937.6	1687.0	Sep	12	850.755	93.402
24	7376.5	7874.4	760.7	1194.4	3895.4	940.2	1692.3		26	858.932	95.313

### **Bank Loans and Credit**

Billions of dollars, seasonally adjusted

#### Exchange Rates

	Bank Credit	Loans and Leases	C&I Loans (All)	C&I Loans (Large)	Comm. Paper (sa)	Total Borrowings				Major Exchange Rate Index	Broad Exchange Rate Index	Exchange Rate: Euro/\$	Exchange Rate: Yen/\$
Aug 22	8817.6	6462.1	1320.8	674.7	204.3	1.541		Aug	24	77.6	103.6	0.739	115.2
29	8843.7	6486.7	1325.5	678.9	197.9	1.577			31	77.3	103.3	0.733	115.6
Sep 5	8887.3	6518.0	1337.6	688.3	183.8	1.341		Sep	7	77.1	103.1	0.731	115.1
12	8924.5	6527.6	1349.8	702.8	186.1	3.158			14	76.2	102.3	0.722	114.5
19	8881.9	6538.5	1361.4	706.5	185.1	2.421			21	75.6	101.6	0.716	115.3
26					185.7	0.306			28	74.8	100.7	0.707	115.2
Oct 3		.	-		181.7	0.202		Oct	5*	74.6	100.5	0.705	116.2
	*Averages of rates available												

**Reserves and Base** 

Billions of dollars, seasonally adjusted

# 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 Financial 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/aggreg/swdata.html.

*Page 7*: 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 8: 10-Year Inflation-Indexed Treasury Yield is the most

recently issued inflation-indexed bond of 10-year original maturity. **10-Year Inflation-Indexed Treasury Yield Spread** equals the difference between the yield on the most recently issued 10-year inflationindexed bond and the unadjusted **10-Year Treasury Note Yield** of similar maturity.

*Page 9*: **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 11*: **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 12*: **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 13*: 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/.

*Page 14*: 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 15*: Data appear in the Federal Reserve Board's H.6 release. **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.

As of January 9, 2003, **Total Borrowings** includes primary, secondary, and seasonal credit. Prior to that, borrowings include seasonal, adjustment, and extended credit.

*Page 16*: 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 17*: Current data appear at www.federalreserve.gov/releases/cp/outstandings.htm.

*Page 18*: **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: 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<sup>®</sup>.
- Standard & Poor's Standard & Poor's 500 composite index.
- U.S. Department of the Treasury U.S. inflation-indexed security yields.
- *Wall Street Journal* Oil (West Texas intermediate) and natural gas (Henry Hub) spot and futures prices.
- Wilshire Associates Incorporated (www.wilshire.com) Wilshire 5000<sup>®</sup>.

# 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/.