



Federal Reserve System Monthly Report on  
**Credit and Liquidity Programs  
and the Balance Sheet**

August 2012

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# Purpose

The Federal Reserve prepares this monthly report as part of its efforts to enhance transparency about the range of programs and tools that have been implemented in response to the financial crisis and to ensure appropriate accountability to the Congress and the public. The Federal Reserve's statutory mandate in conducting monetary policy is to foster maximum employment and stable prices. Financial stability is a critical prerequisite for achieving sustainable economic growth and price stability, and the Federal Reserve implemented a number of credit and liquidity programs to support the liquidity of financial institutions and to foster improved conditions in financial markets in response to the extraordinary strains that began to emerge in the summer of 2007.

This report provides detailed information on the policy tools that were implemented to address the financial crisis. It also provides financial reporting for the Federal Reserve System for the second quarter of 2012.

In fulfillment of Section 129 of the Emergency Economic Stabilization Act of 2008, additional information on the status of certain credit facilities imple-

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Note: Financial information in this report has not been audited. Financial data are audited annually and are available at [www.federalreserve.gov/monetarypolicy/bst\\_fedfinancials.htm](http://www.federalreserve.gov/monetarypolicy/bst_fedfinancials.htm).

mented in response to the financial crisis is included as Appendix A of this report. Information related to the Federal Reserve's temporary liquidity programs and facilities that have closed or expired is included in Appendix B of this report.

The Dodd-Frank Wall Street Reform and Consumer Protection Act of 2010 (the "Dodd-Frank Act"), which was signed into law on July 21, 2010, included provisions designed to further promote transparency by requiring disclosure of certain information about entities that received loans or otherwise participated in Federal Reserve credit and liquidity programs. As provided by the Dodd-Frank Act, transaction-level details and audit information from December 1, 2007, to July 21, 2010, are posted on the Federal Reserve Board's public website.<sup>1</sup> Further information on the transparency provisions of the Dodd-Frank Act is included in Appendix C of this report.

For prior editions of this report and other resources, please visit the Board's public website at [www.federalreserve.gov/monetarypolicy/clbsreports.htm](http://www.federalreserve.gov/monetarypolicy/clbsreports.htm).

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<sup>1</sup> This detailed information is available online at [www.federalreserve.gov/newsevents/reform\\_transaction.htm](http://www.federalreserve.gov/newsevents/reform_transaction.htm) and [www.federalreserve.gov/newsevents/reform\\_audit.htm](http://www.federalreserve.gov/newsevents/reform_audit.htm).



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# Abbreviations

|        |   |        |   |
|--------|---|--------|---|
| ABCP   | Asset-backed commercial paper   | JPMC   | JPMorgan Chase & Co.                                  |
| ABS    | Asset-backed securities   | LLC    | Limited liability company                             |
| AIA    | American International Assurance Company Ltd.                             | LSAP   | Large-scale asset purchase program                    |
| AIG    | American International Group, Inc.  | MBS    | Mortgage-backed securities                            |
| AIGFP  | AIG Financial Products Corp.  | ML II  | Maiden Lane II LLC                                    |
| ALICO  | American Life Insurance Company   | ML III | Maiden Lane III LLC                                   |
| AMLF   | Asset-Backed Commercial Paper Money Market Mutual Fund Liquidity Facility | MMMF   | Money market mutual fund                              |
| ARM    | Adjustable-rate mortgage  | NRSRO  | Nationally recognized statistical rating organization |
| CAMELS | Capital, Assets, Management, Earnings, Liquidity, and Sensitivity         | OIG    | Office of the Inspector General                       |
| CDO    | Collateralized debt obligations   | OMO    | Open market operations                                |
| CMBS   | Commercial mortgage-backed securities                                     | PDCF   | Primary Dealer Credit Facility                        |
| CMO    | Collateralized mortgage obligations                                       | RMBS   | Residential mortgage-backed securities                |
| CPFF   | Commercial Paper Funding Facility   | SBA    | Small Business Administration                         |
| CUSIP  | Committee on Uniform Security Identification Procedures                   | SOMA   | System Open Market Account                            |
| FCB    | Foreign central bank  | SPV    | Special purpose vehicle                               |
| FOMC   | Federal Open Market Committee   | TAF    | Term Auction Facility                                 |
| FRBNY  | Federal Reserve Bank of New York  | TALF   | Term Asset-Backed Securities Loan Facility            |
| GAAP   | Generally accepted accounting principles in the United States of America  | TARP   | Troubled Asset Relief Program                         |
| GSE    | Government-sponsored enterprise   | TBA    | To be announced                                       |
|        |   | TIPS   | Treasury inflation-protected securities               |
|        |   | TSLF   | Term Securities Lending Facility                      |
|        |   | VIE    | Variable interest entity                              |



# Overview

## Recent Developments

The Overview section of this report highlights developments in the operations of the Federal Reserve's credit and liquidity programs and facilities since last month's report, and presents data describing changes in the assets, liabilities, and total capital of the Federal Reserve System as of July 25, 2012.

### FRBNY Announces Sale of Remaining Maiden Lane III LLC Securities

- On August 23, 2012, the Federal Reserve Bank of New York (FRBNY) announced that all remaining securities in the Maiden Lane III LLC portfolio have been sold. After the repayment of Maiden Lane III LLC's liabilities to the FRBNY and American International Group, Inc. (AIG), net proceeds from sales of the securities, as well as cash flow the securities generated while held by Maiden Lane III LLC, provided a net gain of approximately \$6.6 billion, including \$737 million in accrued interest, for the benefit of the U.S. public. Additional information is available at [www.newyorkfed.org/newsevents/news/markets/2012/an120823.html](http://www.newyorkfed.org/newsevents/news/markets/2012/an120823.html) and [www.newyorkfed.org/markets/ml3\\_sec\\_offerings.html](http://www.newyorkfed.org/markets/ml3_sec_offerings.html).

### Federal Reserve Board Begins Publication of Quarterly Financial Reports

- On August 27, 2012, the Federal Reserve Board published the first in a new series of quarterly financial reports presenting summary information on the combined financial position and results of operations of the Reserve Banks. The combined information includes the accounts and results of operations of each of the 12 Reserve Banks and several consolidated variable interest entities. All financial information included in the financial reports is unaudited. Quarterly financial reports for the first and second quarters of 2012 are available on the Federal Reserve Board's website at [www.federalreserve.gov/monetarypolicy/bst\\_fedfinancials.htm#quarterly](http://www.federalreserve.gov/monetarypolicy/bst_fedfinancials.htm#quarterly).

### FRBNY Conducts Repurchase Transactions

- On August 2, 2012, the FRBNY announced that beginning on August 3 it would conduct a series of small-value repurchase agreement (repo) transactions with primary dealers using all eligible collateral types. The FRBNY had not conducted a repo since December 2008, and since that time six primary dealers have been added and there have been several changes to the infrastructure of the repo market. As with the small-scale reverse repurchase agreement (reverse repo) transactions conducted since 2009, these repo operations are a matter of prudent planning by the Federal Reserve and are designed to have no material impact on the availability of reserves or on market rates. They do not represent a change in the stance of monetary policy and no inference should be drawn about the timing of any change in the stance of monetary policy in the future. The results of these operations are available on the FRBNY's website at [www.newyorkfed.org/markets/omo/dmm/temp.cfm](http://www.newyorkfed.org/markets/omo/dmm/temp.cfm). The outstanding amounts of repos are reported weekly in tables 1, 2, 8, and 9 of the H.4.1 statistical release.

### Report on Credit and Liquidity Programs and the Balance Sheet to be Published Quarterly

- The August 2012 issue is the final *Monthly Report on Credit and Liquidity Programs and the Balance Sheet*. Since the summer of 2009, the Federal Reserve has prepared this report as part of its efforts to enhance transparency about the range of programs and tools implemented in response to the financial crisis and to ensure appropriate accountability to the Congress and the public. Over the last three years, most of those crisis-related programs have been wound down, and the Federal Reserve has expanded the publication of transaction-level and detailed portfolio holdings data for its operations. In light of these develop-

ments, the Federal Reserve will publish this report on a quarterly basis beginning later this year.

### Federal Reserve System Selected Assets, Liabilities, and Total Capital

**Table 1** reports selected assets and liabilities and total capital of the Federal Reserve System and presents

the change in these components over the past month and since this time last year.

**Figure 1** displays the levels of selected Federal Reserve assets and liabilities, securities holdings, and credit extended through liquidity facilities since 2007.

| Table 1. Assets, liabilities, and capital of the Federal Reserve System     |                          |                              |                              |
|---|--------------------------|------------------------------|------------------------------|
| Billions of dollars   |                          |                              |                              |
| Item  | Current<br>July 25, 2012 | Change from<br>June 27, 2012 | Change from<br>July 27, 2011 |
| <b>Total assets</b>   | <b>2,849</b>             | <b>-17</b>                   | <b>-19</b>                   |
| <i>Selected assets</i>  |                          |                              |                              |
| Securities held outright  | 2,596                    | -17                          | -52                          |
| U.S. Treasury securities <sup>1</sup>                                       | 1,651                    | -16                          | +13                          |
| Federal agency debt securities <sup>1</sup>                                 | 91                       | -*                           | -21                          |
| Mortgage-backed securities <sup>2</sup>                                     | 853                      | -2                           | -44                          |
| Memo: Overnight securities lending <sup>3</sup>                             | 9                        | -3                           | -11                          |
| Memo: Net commitments to purchase mortgage-backed securities <sup>4</sup>   | 31                       | +                            | +31                          |
| Lending to depository institutions <sup>5</sup>                             | *                        | +                            | +                            |
| Central bank liquidity swaps <sup>6</sup>                                   | 27                       | +                            | +27                          |
| Lending through the Term Asset-Backed Securities Loan Facility <sup>7</sup> | 4                        | -1                           | -8                           |
| Net portfolio holdings of TALF LLC <sup>8</sup>                             | 1                        | +                            | +                            |
| Support for specific institutions   | 9                        | -6                           | -43                          |
| Net portfolio holdings of Maiden Lane LLC <sup>9</sup>                      | 2                        | -*                           | -19                          |
| Net portfolio holdings of Maiden Lane II LLC <sup>9</sup>                   | *                        | +                            | -10                          |
| Net portfolio holdings of Maiden Lane III LLC <sup>9</sup>                  | 7                        | -6                           | -14                          |
| <b>Total liabilities</b>  | <b>2,794</b>             | <b>-17</b>                   | <b>-22</b>                   |
| <i>Selected liabilities</i>   |                          |                              |                              |
| Federal Reserve notes in circulation  | 1,070                    | +2                           | +81                          |
| Term deposits held by depository institutions                               | 3                        | +3                           | +3                           |
| Other deposits held by depository institutions                              | 1,568                    | +76                          | -90                          |
| U.S. Treasury, general account  | 38                       | -80                          | -29                          |
| U.S. Treasury, supplementary financing account                              | *                        | 0                            | -5                           |
| Other deposits  | 10                       | -18                          | -1                           |
| <b>Total capital</b>  | <b>55</b>                | <b>+</b>                     | <b>+3</b>                    |

Note: Unaudited. Components may not sum to totals because of rounding.

\* Less than \$500 million.

<sup>1</sup> Face value.

<sup>2</sup> Guaranteed by Fannie Mae, Freddie Mac, and Ginnie Mae. Current face value, which is the remaining principal balance of the underlying mortgages. Does not include unsettled transactions.

<sup>3</sup> Securities loans under the overnight facility are off-balance-sheet transactions. These loans are shown here as a memo item to indicate the portion of securities held outright that have been lent through this program.

<sup>4</sup> Current face value. Includes commitments associated with outright purchases, dollar rolls, and coupon swaps.

<sup>5</sup> Total of primary, secondary, and seasonal credit.

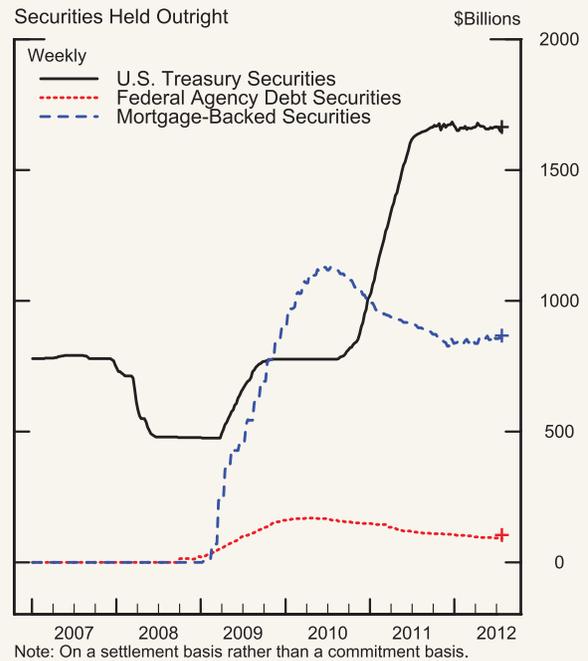
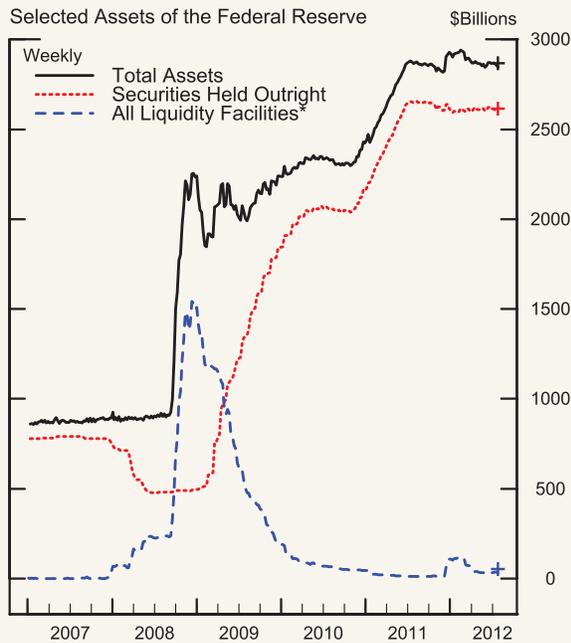
<sup>6</sup> Dollar value of the foreign currency held under these agreements valued at the exchange rate to be used when the foreign currency is returned to the foreign central bank.

<sup>7</sup> Book value.

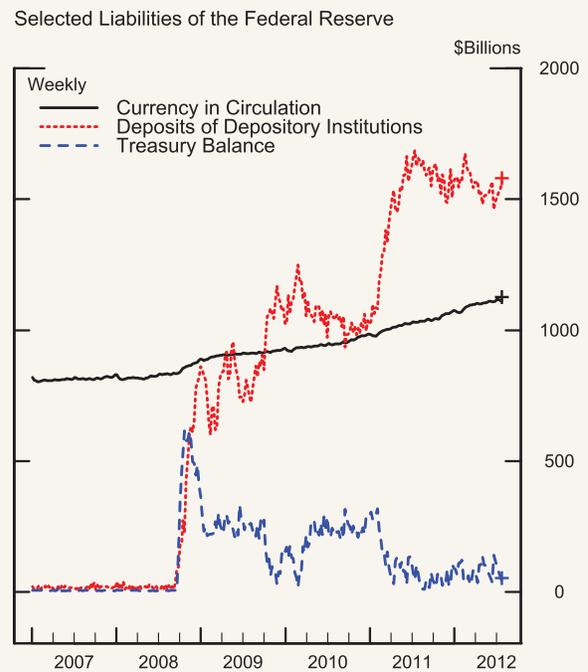
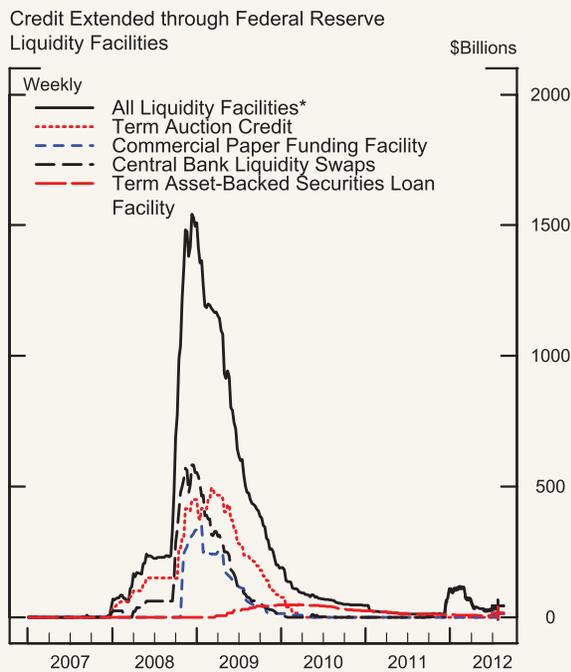
<sup>8</sup> As of July 25, 2012, TALF LLC had purchased no assets from the FRBNY.

<sup>9</sup> Fair value, reflecting values as of June 30, 2012. Fair value reflects an estimate of the price that would be received upon selling an asset if the transaction were to be conducted in an orderly market on the measurement date. Fair values are updated quarterly.

Figure 1. Credit and liquidity programs and the Federal Reserve's balance sheet



Note: On a settlement basis rather than a commitment basis.



+ indicates most recent data point. Data are shown through 7/25/2012.

\*All Liquidity Facilities includes: Term Auction credit; primary credit; secondary credit; seasonal credit; Primary Dealer Credit Facility; Asset-Backed Commercial Paper Money Market Mutual Fund Liquidity Facility; Term Asset-Backed Securities Loan Facility; Commercial Paper Funding Facility; and central bank liquidity swaps.

# System Open Market Account

## Domestic SOMA Portfolio

### Recent Developments

- Between June 27 and July 25, 2012, the System Open Market Account's (SOMA's) holdings of Treasury securities fell slightly. As purchases, sales, and redemptions of Treasury securities occur under the maturity extension program continuation announced by the Federal Open Market Committee (FOMC) on June 20, 2012, holdings may fluctuate modestly due to differences in the amounts and settlement dates for individual purchases, sales, and redemptions.
- The SOMA's holdings of agency debt declined slightly between June 27 and July 25, 2012, due to principal payments, and holdings of agency mortgage-backed securities (MBS) also fell slightly. As principal payments from agency debt and MBS are reinvested in agency MBS under the FOMC's reinvestment policy announced on September 21, 2011, holdings of agency MBS may vary modestly due to differences between principal payment dates and settlement dates for purchases.
- On August 2, 2012, the FRBNY announced that beginning on August 3 it would conduct a series of small-value repo transactions with primary dealers using all eligible collateral types. The FRBNY had not conducted a repo since December 2008, and since that time six primary dealers have been added and there have been several changes to the infrastructure of the repo market. As with the small-scale reverse repo transactions conducted since 2009, these repo operations are a matter of prudent planning by the Federal Reserve and are designed to have no material impact on the availability of reserves or on market rates. They do not represent a change in the stance of monetary policy and no inference should be drawn about the timing of any change in the stance of monetary policy in the future. The results of these operations are available on the FRBNY's website at

[www.newyorkfed.org/markets/omo/dmm/temp.cfm](http://www.newyorkfed.org/markets/omo/dmm/temp.cfm). The outstanding amounts of repos are reported weekly in tables 1, 2, 8, and 9 of the H.4.1 statistical release.

### Background

Open market operations (OMOs)—the purchase and sale of securities in the open market by a central bank—are a key tool used by the Federal Reserve in the implementation of monetary policy. Historically, the Federal Reserve has used OMOs to adjust the supply of reserve balances so as to keep the federal funds rate around the target federal funds rate established by the FOMC. OMOs are conducted by the Trading Desk at the FRBNY, which acts as agent for the FOMC. The range of securities that the Federal Reserve is authorized to purchase and sell is relatively limited. The authority to conduct OMOs is granted under Section 14 of the Federal Reserve Act.

OMOs can be divided into two types: permanent and temporary. Permanent OMOs are outright purchases or sales of securities for the SOMA, the Federal Reserve's portfolio. Permanent OMOs traditionally have been used to accommodate the longer-term factors driving the expansion of the Federal Reserve's balance sheet, principally the trend growth of currency in circulation. More recently, the expansion of SOMA securities holdings has been driven by large-scale asset purchase programs (LSAPs). Temporary OMOs typically are used to address reserve needs that are deemed to be transitory in nature. These operations are either repurchase agreements (repos) or reverse repurchase agreements (reverse repos). Under a repo, the Trading Desk buys a security under an agreement to resell that security in the future; under a reverse repo, the Trading Desk sells a security under an agreement to repurchase that security in the future. A repo is the economic equivalent of a collateralized loan; conversely, a reverse repo is the economic equivalent of collateralized borrowing. In both types of transactions, the difference between

**Table 2. Domestic SOMA securities holdings**

Billions of dollars, as of July 25, 2012

| Security type   | Total par value |
|---|-----------------|
| U.S. Treasury bills   | 6               |
| U.S. Treasury notes and bonds, nominal                        | 1,567           |
| U.S. Treasury notes and bonds, inflation-indexed <sup>1</sup> | 79              |
| Federal agency debt securities <sup>2</sup>                   | 91              |
| MBS <sup>3</sup>  | 853             |
| <b>Total SOMA securities holdings</b>                         | <b>2,596</b>    |

Note: Unaudited. Components may not sum to total because of rounding. Does not include investments denominated in foreign currencies or unsettled transactions.

<sup>1</sup> Includes inflation compensation.

<sup>2</sup> Direct obligations of Fannie Mae, Freddie Mac, and the Federal Home Loan Banks.

<sup>3</sup> Guaranteed by Fannie Mae, Freddie Mac, and Ginnie Mae. Current face value of the securities, which is the remaining principal balance of the underlying mortgages.

the purchase and sale prices reflects the interest on the loan or borrowing. The composition of the SOMA is presented in **table 2**.

Each OMO affects the Federal Reserve's balance sheet; the size and nature of the effect depend on the specifics of the operation. The Federal Reserve publishes its balance sheet each week in the H.4.1 statistical release, "Factors Affecting Reserve Balances of Depository Institutions and Consolidated Statement of Condition of Reserve Banks," available at [www.federalreserve.gov/releases/h41/](http://www.federalreserve.gov/releases/h41/). The release separately reports securities held outright, repos, and reverse repos.

In addition, the Federal Reserve has long operated an overnight securities lending facility as a vehicle to address market pressures for specific Treasury securities. Since July 9, 2009, this facility has also lent housing-related, government-sponsored enterprise (GSE) debt securities that are particularly sought after. Amounts outstanding under this facility are reported weekly in table 1A of the H.4.1 statistical release.

The FRBNY's traditional counterparties for OMOs are the primary dealers with which the FRBNY trades U.S. government and select other securities.<sup>1</sup> In early 2010, the FRBNY revised its policy regarding the administration of its relationships with primary dealers in order to provide greater transparency about the significant business standards expected of primary dealers and to offer clearer guidance on the

<sup>1</sup> A current list of primary dealers is available on the FRBNY's website at [www.newyorkfed.org/markets/pridealers\\_current.html](http://www.newyorkfed.org/markets/pridealers_current.html).

process to become a primary dealer. The revised policy offers a more structured presentation of the business standards expected of a primary dealer; a more formal application process for prospective primary dealers; an increase in the minimum net capital requirement, from \$50 million to \$150 million; a seasoning requirement of one year of relevant operations before a prospective dealer may submit an application; and a clear notice of actions the FRBNY may take against a noncompliant primary dealer.<sup>2</sup> Since late 2009, the FRBNY has taken steps to expand the types of counterparties for some OMOs to include entities other than primary dealers. Details on the counterparty expansion effort are presented below.

### Large-Scale Asset Purchase Programs

In November 2008, the Federal Reserve announced that it would buy direct obligations of the Federal National Mortgage Association (Fannie Mae), the Federal Home Loan Mortgage Corporation (Freddie Mac), and the Federal Home Loan Banks, and MBS guaranteed by Fannie Mae, Freddie Mac, and the Government National Mortgage Association (Ginnie Mae). The goal of these debt purchases was to reduce the cost and increase the availability of credit for the purchase of houses. In March 2009, the FOMC authorized purchases of up to \$1.25 trillion of agency MBS and up to \$200 billion of agency direct obligations. Subsequently, in November 2009, the FOMC announced that agency debt purchases would be about \$175 billion. This amount, while somewhat less than the previously announced maximum of \$200 billion, was consistent with the path of purchases and reflected the limited availability of agency debt.

The Federal Reserve also determined that supporting the MBS "dollar roll" market promoted the goals of the MBS purchase program. Dollar roll transactions consist of a purchase or sale of "to be announced" (TBA) MBS combined with an agreement to sell or purchase TBA MBS on a specified future date. Because of principal and interest payments and, during the time in which transactions were being conducted, occasional delays in the settlement of transactions, the Federal Reserve also holds some cash

<sup>2</sup> More information on the FRBNY's administration of its relationships with primary dealers—including requirements for business standards, financial condition and supervision, and compliance and controls—is available at [www.newyorkfed.org/markets/pridealers\\_policies.html](http://www.newyorkfed.org/markets/pridealers_policies.html) and [www.newyorkfed.org/markets/pridealers\\_faq\\_100111.html](http://www.newyorkfed.org/markets/pridealers_faq_100111.html).

and short-term investments associated with the MBS purchase program. On June 28, 2010, the Federal Reserve began entering into coupon swaps, which are trades with a single counterparty in which the Federal Reserve agrees to simultaneously sell TBA MBS in one coupon and to buy an equal face value of TBA MBS in a different coupon. MBS dollar roll transactions and coupon swaps are recorded on settlement date and may generate realized gains and losses.

In March 2009, the FOMC announced that it would also purchase up to \$300 billion of longer-term Treasury securities to help improve conditions in private credit markets. The Federal Reserve purchased a range of securities across the maturity spectrum, including Treasury Inflation-Protected Securities (TIPS). The bulk of purchases were in intermediate maturities. In August 2009, the FOMC announced that it would gradually slow the pace of these transactions in order to promote a smooth transition in markets as purchases of these Treasury securities were completed. As anticipated, the purchases were completed by the end of October 2009.

On September 23, 2009, the FOMC announced its intention to gradually slow the pace of its purchases of agency-guaranteed MBS and agency debt. As anticipated, these transactions were completed by the end of the first quarter of 2010. As of August 19, 2010, the settlement of all remaining outstanding MBS from these purchases was complete. In January 2011, the FRBNY began a process to streamline the administration of agency MBS held in the SOMA portfolio by consolidating these securities through a service offered by Fannie Mae and Freddie Mac called CUSIP aggregation.

The Federal Reserve's outright holdings of MBS are reported weekly in tables 1, 3, 8, and 9 of the H.4.1 statistical release. In addition, detailed data on all settled agency MBS holdings, including those that have been aggregated, are published weekly on the FRBNY website at [www.newyorkfed.org/markets/soma/sysopen\\_accholdings.html](http://www.newyorkfed.org/markets/soma/sysopen_accholdings.html).

On August 10, 2010, the FOMC announced that the Federal Reserve would maintain the level of domestic securities holdings in the SOMA portfolio by reinvesting principal payments from agency debt and agency MBS in longer-term Treasury securities.

On November 3, 2010, the FOMC decided to expand its holdings of securities and announced that, in addition to maintaining the existing reinvestment

policy, it intended to purchase a further \$600 billion of longer-term Treasury securities by the end of the second quarter of 2011.

As the FRBNY executed the purchase of additional Treasury securities and the reinvestment plan, as directed by the FOMC in November 2010, it announced the distribution of maturities of securities it planned to purchase. In addition, in order to promote transparency in the market, the FRBNY began publishing the prices at which the securities were purchased at the end of each scheduled monthly purchase period. Finally, to provide operational flexibility and to ensure that it was able to purchase the most attractive securities on a relative-value basis, the FRBNY temporarily relaxed the 35 percent per-issue limit on SOMA holdings under which it had been operating.

On June 22, 2011, the FOMC announced that it would maintain its existing policy of reinvesting principal payments on all domestic securities in the SOMA in Treasury securities. The last purchase under the \$600 billion program announced in November 2010 occurred on June 30, 2011.

### Maturity Extension Program

On September 21, 2011, the FOMC announced that it would extend the average maturity of its holdings of securities—by purchasing \$400 billion par of Treasury securities with remaining maturities of 6 years to 30 years and selling an equal par amount of Treasury securities with remaining maturities of 3 years or less—by the end of June 2012. The FOMC also announced that it would reinvest principal payments from its holdings of agency debt and agency MBS in agency MBS. Additional information on the maturity extension program and the reinvestment of agency securities is available at [www.newyorkfed.org/markets/opolicy/operating\\_policy\\_110921.html](http://www.newyorkfed.org/markets/opolicy/operating_policy_110921.html) and [www.newyorkfed.org/markets/pomo\\_landing.html](http://www.newyorkfed.org/markets/pomo_landing.html).

On June 20, 2012, the FOMC announced that it would continue through the end of the 2012 its program to extend the average maturity of its holdings of securities. The continuation of the maturity extension program will proceed at the previous pace and result in the purchase, as well as the sale and redemption, of about \$267 billion in Treasury securities by the end of 2012. The FOMC also announced that it is maintaining its existing policy of reinvesting principal payments from its holdings of agency debt and agency MBS in agency MBS, and suspended, for the

duration of the maturity extension program, its policy of rolling over maturing Treasury securities into new issues at auction.

## Reverse Repos

Reverse repos are a tool that could be used to support a reduction in monetary accommodation at the appropriate time. Under a reverse repo, the FRBNY Trading Desk sells a security under an agreement to repurchase that security in the future. A reverse repo is the economic equivalent of collateralized borrowing. The FRBNY periodically conducts these transactions to ensure operational readiness at the Federal Reserve, the major clearing banks, the primary dealers, and other counterparties; the transactions have no material impact on the availability of reserves or on market rates.

These activities with respect to reverse repos are a matter of prudent advance planning by the Federal Reserve. They do not represent any change in the stance of monetary policy, and no inference should be drawn about the timing of any change in the stance of monetary policy in the future.

## Expanded Counterparties

Since late 2009, the FRBNY has taken steps to expand the types of counterparties for reverse repos to include entities other than primary dealers. This initiative is intended to enhance the Federal Reserve's capacity to conduct large-scale reverse repo operations to drain reserves beyond what could likely be conducted through primary dealers. The additional counterparties are not eligible to participate in transactions conducted by the FRBNY other than reverse repos.

To date, the FRBNY has initiated three waves of counterparty expansions aimed at domestic money market funds. With each wave, the set of eligibility criteria was broadened to allow more and smaller money market funds to participate as counterparties. With each expansion, the FRBNY published updated eligibility criteria and the Reverse Repurchase Program Form Master Repurchase Agreement for Money Funds, which set out the legal terms and conditions under which the FRBNY and its money market mutual fund counterparties may undertake reverse repos.

In addition, on July 27, 2011, the FRBNY announced that it had accepted two GSEs—Freddie Mac and Fannie Mae—as reverse repo counterpart-

ties. On July 28, the FRBNY released the criteria for acceptance of banks and savings associations as counterparties eligible to participate in reverse repos. On December 1, 2011, the FRBNY announced that eight banks had been accepted as reverse repo counterparties and, on December 2, released a second round of criteria for the acceptance of banks and savings associations as reverse repo counterparties. The expanded reverse repo counterparties list is available at [www.newyorkfed.org/markets/expanded\\_counterparties.html](http://www.newyorkfed.org/markets/expanded_counterparties.html).

Each institution accepted as a reverse repo counterparty submitted an application and meets the criteria published by the FRBNY pursuant to the relevant counterparty expansion wave. Acceptance as a counterparty does not constitute a public endorsement by the FRBNY of any listed counterparty and should not substitute for prudent counterparty risk management and due diligence. Further information on reverse repo counterparties is available on the FRBNY's website at [www.newyorkfed.org/markets/rrp\\_announcements.html](http://www.newyorkfed.org/markets/rrp_announcements.html).

## Transactions

In December 2009, the FRBNY conducted its first set of small-scale, real-value, triparty reverse repos with primary dealers. Additional series of reverse repos have been conducted since 2009, some of which were open to the sets of expanded counterparties (money market mutual funds, GSEs, banks, and savings associations) announced through December 2011.

Additional details and the results of these operations are available on the FRBNY website at [www.newyorkfed.org/markets/omo/dmm/temp.cfm](http://www.newyorkfed.org/markets/omo/dmm/temp.cfm). The outstanding amounts of reverse repos are reported weekly in tables 1, 2, 8, and 9 of the H.4.1 statistical release.

## Liquidity Arrangements with Foreign Central Banks

### Recent Developments

- Between June 27 and July 25, 2012, dollar liquidity extended under the central bank liquidity swap arrangements rose slightly, to \$27.2 billion. As presented in **table 3**, all outstanding swaps are with the European Central Bank. Detailed information about swap operations is available at [www.newyorkfed.org/markets/fxswap/fxswap.cfm](http://www.newyorkfed.org/markets/fxswap/fxswap.cfm).

**Table 3. Amounts outstanding under dollar liquidity swaps**  
As of July 25, 2012

| Central bank          | Total amount outstanding (\$ billions) | Individual transaction amount (\$ billions) | Settlement date | Term   | Interest rate |
|-----------------------|--|---|-----------------|--------|---------------|
| Bank of Canada        | —                                      | —   | —               | —      | —             |
| Bank of England       | —                                      | —   | —               | —      | —             |
| Bank of Japan         | —                                      | —   | —               | —      | —             |
| European Central Bank | 27.2                                   | 10.3  | 5/24/2012       | 84-day | 0.66%         |
|                       |  | 9.9   | 6/21/2012       | 84-day | 0.67%         |
|                       |  | 4.2   | 7/19/2012       | 7-day  | 0.67%         |
|                       |  | 2.8   | 7/19/2012       | 84-day | 0.66%         |
| Swiss National Bank   | —                                      | —   | —               | —      | —             |
| <b>Total</b>          | <b>27.2</b>                            | <b>27.2</b>                                 | —               | —      | —             |

Note: Unaudited. Components may not sum to totals because of rounding.

## Background

Because of the global character of bank funding markets, the Federal Reserve has at times coordinated with other central banks to provide liquidity. In December 2007, the Federal Reserve entered into agreements to establish temporary reciprocal currency arrangements (central bank liquidity swap lines) with the European Central Bank and the Swiss National Bank in order to provide liquidity in U.S. dollars. Subsequently, the FOMC authorized swap lines with the Reserve Bank of Australia, the Banco Central do Brasil, the Bank of Canada, the Bank of Japan, Danmarks Nationalbank, the Bank of England, the Bank of Korea, the Banco de Mexico, the Reserve Bank of New Zealand, Norges Bank, the Monetary Authority of Singapore, and Sveriges Riksbank. Two types of temporary swap lines were established: U.S. dollar liquidity lines and foreign currency liquidity lines. These temporary arrangements expired on February 1, 2010.

However, in May 2010, temporary U.S. dollar liquidity swap lines were re-established with the Bank of Canada, the Bank of England, the European Central Bank, the Bank of Japan, and the Swiss National Bank in order to address the re-emergence of strains in global U.S. dollar short-term funding markets. In December 2010, the FOMC authorized an extension of the arrangements through August 1, 2011. In June 2011, the FOMC authorized another extension of the arrangements through August 1, 2012. On November 30, 2011, the FOMC and these five foreign central banks (FCBs) agreed to reduce the rate

on these swap arrangements from the U.S. dollar overnight index swap (OIS) rate plus 100 basis points to the OIS rate plus 50 basis points, and extended the authorization of these swap arrangements through February 1, 2013. In addition, as a contingency measure, the FOMC agreed to establish temporary bilateral liquidity swap arrangements with these five FCBs to provide liquidity in any of their currencies if necessary.

The FRBNY operates the swap lines under the authority granted under Section 14 of the Federal Reserve Act and in compliance with authorizations, policies, and procedures established by the FOMC.

## Dollar Liquidity Swaps

Dollar liquidity swaps consist of two transactions. When an FCB draws on its swap line with the FRBNY, the FCB transfers a specified amount of its currency to the FRBNY in exchange for dollars at the prevailing market exchange rate. The FRBNY holds the foreign currency in an account at the FCB. The dollars that the FRBNY provides are then deposited in an account that the FCB maintains at the FRBNY. At the same time, the FRBNY and the FCB enter into a binding agreement for a second transaction that obligates the FCB to return the U.S. dollars and the FRBNY to return the foreign currency on a specified future date at the same exchange rate as the initial transaction. Because the swap transactions will be unwound at the same exchange rate used in the initial transaction, the recorded value of the foreign currency amounts is not affected by changes in the market exchange rate. At the conclusion of the second transaction, the FCB compensates the FRBNY at a market-based interest rate.

When the FCB lends the dollars it obtained by drawing on its swap line to institutions in its jurisdiction, the dollars are transferred from the FCB account at the FRBNY to the account of the bank that the borrowing institution uses to clear its dollar transactions. The FCB is obligated to return the dollars to the FRBNY under the terms of the agreement. Neither the FRBNY nor the Federal Reserve is counterparty to the loan extended by the FCB. The FCB bears the credit risk associated with the loans it makes to institutions in its jurisdiction.

The foreign currency that the Federal Reserve acquires in these transactions is recorded as an asset on the Federal Reserve's balance sheet. In tables 1, 8, and 9 of the weekly H.4.1 statistical release, the dol-

lar value of amounts that the FCBs have drawn but not yet repaid is reported in the line entitled “Central bank liquidity swaps.” Dollar liquidity swaps have maturities ranging from overnight to three months. Table 2 of the H.4.1 statistical release reports the maturity distribution of the outstanding dollar liquidity swaps. Detailed information about drawings on the swap lines by the participating FCBs is presented on the FRBNY’s website at [www.newyorkfed.org/markets/fxswap](http://www.newyorkfed.org/markets/fxswap).

### Foreign Currency Liquidity Swap Lines

On April 6, 2009, the FOMC announced foreign currency liquidity swap lines with the Bank of England, the European Central Bank, the Bank of Japan, and the Swiss National Bank. These lines were designed to provide the Federal Reserve with the capacity to offer liquidity to U.S. institutions in foreign currency should a need arise. These lines mirror dollar liquidity swap lines, which provide FCBs with the capacity

to offer U.S. dollar liquidity to financial institutions in their jurisdictions. Under the foreign currency swap lines established in April 2009, the Federal Reserve had the ability to provide foreign currency-denominated liquidity to U.S. institutions in amounts of up to £30 billion (sterling), €80 billion (euro), ¥10 trillion (yen), and CHF 40 billion (Swiss francs). The Federal Reserve did not draw on these swap lines, and they expired on February 1, 2010.

In November 2011, as a contingency measure, the FOMC agreed to establish temporary bilateral liquidity swap arrangements with the Bank of Canada, the Bank of England, the Bank of Japan, the European Central Bank, and the Swiss National Bank so that liquidity can be provided in any of their currencies if necessary. The swap lines are authorized until February 1, 2013. So far, the Federal Reserve has not drawn on these swap lines. Additional information is available at [www.newyorkfed.org/markets/liquidity\\_swap.html](http://www.newyorkfed.org/markets/liquidity_swap.html).

# Lending Facilities to Support Overall Market Liquidity

## Lending to Depository Institutions

### Recent Developments

- Credit provided to depository institutions through the discount window remains generally around the levels seen prior to 2007. As presented in **table 6**, the lendable value of collateral pledged by depository institutions with discount window loans outstanding on July 25, 2012, was less than \$500 million; discount window credit outstanding on that date amounted to \$123 million.

### Background

The discount window helps to relieve liquidity strains for individual depository institutions and for the banking system as a whole by providing a source of funding in times of need. Much of the statutory framework that governs lending to depository institutions is contained in Section 10B of the Federal Reserve Act, as amended. The general policies that

govern discount window lending are set forth in the Federal Reserve Board's Regulation A.

Depository institutions have, since 2003, had access to three types of discount window credit: primary credit, secondary credit, and seasonal credit. Primary credit is available to depository institutions in generally sound financial condition with few administrative requirements. Secondary credit may be provided to depository institutions that do not qualify for primary credit, subject to review by the lending Reserve Bank. Seasonal credit provides short-term funds to smaller depository institutions that experience regular seasonal swings in loans and deposits.

On August 17, 2007, in order to promote orderly market functioning, the Federal Reserve narrowed the spread between the primary credit rate (generally referred to as the discount rate) and the FOMC's target federal funds rate to 50 basis points and began to allow the provision of primary credit for terms as long as 30 days. On March 16, 2008, the Federal Reserve further narrowed the spread between the primary credit rate and the target federal funds rate to 25 basis points, and increased the maximum maturity of primary credit loans to 90 days.

On November 17, 2009, in response to improved financial conditions, the Federal Reserve announced that the maximum maturity on primary credit loans would be reduced to 28 days effective January 14, 2010. On February 18, 2010, the Federal Reserve increased the spread between the primary credit rate and the top of the target range for the federal funds rate to 50 basis points, effective February 19, 2010. The Federal Reserve also announced that, effective March 18, 2010, the typical maximum maturity of primary credit loans would be shortened to overnight. These changes represented further normalization of the Federal Reserve's lending facilities and did not signal any change in the outlook for the economy or for monetary policy.

On August 6, 2010, the Federal Reserve announced changes to its practices for disclosure of discount

**Table 4. Discount window credit outstanding to depository institutions**

Daily average borrowing for each class of borrower over four weeks ending July 25, 2012

| Type and size of borrower             | Average number of borrowers <sup>1</sup> | Average borrowing (\$ billions) <sup>2</sup> |
|---------------------------------------|--|--|
| <i>Commercial banks</i> <sup>3</sup>  |  |  |
| Assets: more than \$50 billion        | *  | **   |
| Assets: \$5 billion to \$50 billion   | *  | **   |
| Assets: \$250 million to \$5 billion  | 3  | **   |
| Assets: less than \$250 million       | 27                                       | **   |
| Thrift institutions and credit unions | 3  | **   |
| <b>Total</b>                          | <b>34</b>                                | <b>**</b>                                    |

Note: Unaudited. Includes primary, secondary, and seasonal credit. Size categories based on total domestic assets from Call Report data as of March 31, 2012. Components may not sum to totals because of rounding.

\* Fewer than one borrower.

\*\* Less than \$500 million.

<sup>1</sup> Average daily number of depository institutions with credit outstanding. Over this period, a total of 157 institutions borrowed.

<sup>2</sup> Average daily borrowing by all depositories in each category.

<sup>3</sup> Includes branches and agencies of foreign banks.

**Table 5. Concentration of discount window credit outstanding to depository institutions**

For four weeks ending July 25, 2012

| Rank by amount of borrowing | Number of borrowers | Daily average borrowing (\$ billions) |
|-----------------------------|---------------------|---------------------------------------|
| Top five                    | 5                   | *                                     |
| Next five                   | 5                   | *                                     |
| Other                       | 24                  | *                                     |
| <b>Total</b>                | <b>34</b>           | <b>*</b>                              |

Note: Unaudited. Amount of primary, secondary, and seasonal credit extended to the top five and other borrowers on each day, as ranked by daily average borrowing. Components may not sum to totals because of rounding.

\* Less than \$500 million.

window lending information in accordance with the provisions of the Dodd-Frank Act. For discount window loans extended to depository institutions on or after July 21, 2010, the Federal Reserve will publicly disclose certain information about the transaction approximately two years after the loan is extended. The disclosure will include the name and identifying details of the depository institution, the amount borrowed, the interest rate paid, and information identifying the types and amount of collateral pledged. More detail on these changes is reported on the Federal Reserve's Discount Window website at [www.frbdiscountwindow.org](http://www.frbdiscountwindow.org).

In extending credit to depository institutions, the Federal Reserve closely monitors the financial condition of borrowers. Monitoring the financial condition of depository institutions is a four-step process designed to minimize the risk of loss to the Federal Reserve posed by weak or failing depository institutions. The first step is monitoring, on an ongoing basis, the safety and soundness of all depository institutions that access or may access the discount window and the payment services provided by the Federal Reserve. The second step is identifying institutions whose condition, characteristics, or affiliation would present higher-than-acceptable risk to the Federal Reserve in the absence of controls on their access to Federal Reserve lending facilities and other Federal Reserve services. The third step is communicating—to staff within the Federal Reserve System and to other supervisory agencies, if and when necessary—relevant information about those institutions identified as posing higher risk. The fourth step is implementing appropriate measures to mitigate the risks posed by such entities.

At the heart of the condition-monitoring process is an internal rating system that provides a framework

for identifying institutions that may pose undue risks to the Federal Reserve. The rating system relies mostly on information from each institution's primary supervisor, including CAMELS ratings, to identify potentially problematic institutions and classify them according to the severity of the risk they pose to the Federal Reserve.<sup>3</sup> Having identified institutions that pose a higher risk, the Federal Reserve then puts in place a standard set of risk controls that become increasingly stringent as the risk posed by an institution grows; individual Reserve Banks may implement additional risk controls to further mitigate risk if they deem it necessary.

## Collateral

All extensions of discount window credit by the Federal Reserve must be secured to the satisfaction of the lending Reserve Bank by "acceptable collateral." Assets accepted as collateral are assigned a lendable value deemed appropriate by the Reserve Bank; lendable value is determined as the market price of the asset, less a haircut. When a market price is not available, a haircut is applied to an internally modeled fair market value estimate. Haircuts reflect credit risk and, for traded assets, the historical volatility of the asset's price and the liquidity of the market in which the asset is traded; the Federal Reserve's haircuts are generally in line with typical market practice. A borrower may be required to pledge additional collateral if its financial condition weakens. Collateral is pledged by depository institutions under the terms and conditions specified in the Federal Reserve Banks' standard lending agreement, Operating Circular No. 10, available at [www.frbservices.org/files/regulations/pdf/operating\\_circular\\_10.pdf](http://www.frbservices.org/files/regulations/pdf/operating_circular_10.pdf).

Discount window loans are generally made with recourse to the borrower beyond the pledged collateral. Nonetheless, collateral plays an important role in mitigating the credit risk associated with these extensions of credit. The Federal Reserve generally accepts as collateral for discount window loans any assets that meet regulatory standards for sound asset quality. This category of assets includes most performing loans and most investment-grade securities, although for some types of securities (including commercial mortgage-backed securities, collateralized debt obligations, collateralized loan obligations, and

<sup>3</sup> CAMELS (Capital, Assets, Management, Earnings, Liquidity, and Sensitivity) is a rating system employed by banking regulators to assess the soundness of commercial banks and thrifts. Similar rating systems are used for other types of depository institutions.

**Table 6. Lendable value of collateral pledged by borrowing depository institutions**

Billions of dollars, as of July 25, 2012

| Type of collateral  | Lendable value |
|---|----------------|
| <i>Loans</i>  |                |
| Commercial  | *              |
| Residential mortgage  | 0              |
| Commercial real estate                                      | *              |
| Consumer  | *              |
| <i>Securities</i>   |                |
| U.S. Treasury/agency  | *              |
| Municipal   | *              |
| Corporate market instruments                                | *              |
| MBS/CMO: agency-guaranteed                                  | *              |
| MBS/CMO: other  | 0              |
| Asset-backed  | 0              |
| International (sovereign, agency, municipal, and corporate) | 0              |
| <i>Other</i>  |                |
| Term Deposit Facility deposits                              | 0              |
| <b>Total</b>  | <b>*</b>       |

Note: Unaudited. Collateral pledged by borrowers of primary, secondary, and seasonal credit as of the date shown. Total primary, secondary, and seasonal credit on this date was \$123 billion. The lendable value of collateral pledged by all depository institutions, including those without any outstanding loans, was \$1,417 billion. (This number was originally reported as \$1,396 billion, but has been corrected.) Lendable value is value after application of appropriate haircuts. Components may not sum to total because of rounding.

\* Less than \$500 million.

**Table 7. Lendable value of securities pledged by depository institutions by rating**

Billions of dollars, as of July 25, 2012

| Type of security and rating                             | Lendable value |
|---|----------------|
| U.S. Treasury, agency, and agency-guaranteed securities | 267            |
| <i>Other securities</i>                                 |                |
| AAA   | 118            |
| Aa/AA <sup>1</sup>                                      | 66             |
| A <sup>2</sup>  | 42             |
| Baa/BBB <sup>3</sup>                                    | 15             |
| Other investment-grade <sup>4</sup>                     | 35             |
| <b>Total</b>  | <b>543</b>     |

Note: Unaudited. Lendable value for all institutions that have pledged collateral, including those that were not borrowing on the date shown. Lendable value is value after application of appropriate haircuts. Components may not sum to total because of rounding.

<sup>1</sup> Includes short-term securities with A-1+ or F1+ rating or MIG 1 or SP-1+ municipal bond rating.

<sup>2</sup> Includes short-term securities with A-1 or F1 rating or SP-1 municipal bond rating.

<sup>3</sup> Includes short-term securities with A-2, P-2, A-3, or P-3 rating.

<sup>4</sup> Determined based on a credit review by a Reserve Bank.

certain non-dollar-denominated foreign securities) only AAA-rated securities are accepted. An institution may not pledge as collateral any instruments that the institution or its affiliates have issued. To ensure that they can borrow from the Federal

**Table 8. Discount window credit outstanding to borrowing depository institutions—percent of collateral used**

As of July 25, 2012

| Percent of collateral used   | Number of borrowers | Total borrowing (\$ billions) |
|------------------------------|---------------------|-------------------------------|
| More than 0 and less than 25 | 12                  | *                             |
| 25 to 50                     | 6                   | *                             |
| 50 to 75                     | 8                   | *                             |
| 75 to 90                     | 9                   | *                             |
| More than 90                 | 4                   | *                             |
| <b>Total</b>                 | <b>39</b>           | <b>*</b>                      |

Note: Unaudited. Components may not sum to totals because of rounding.

\* Less than \$500 million.

Reserve should the need arise, many depository institutions that do not have an outstanding discount window loan nevertheless routinely pledge collateral.

The Federal Reserve periodically reviews its collateral valuation practices. The most recent changes to the lending margins on discount window collateral took effect on October 19, 2009, and reflected the results of a broad-based review, which began before the financial crisis, of methodology and data sources. For more information on collateral margins, refer to the Discount Window and Payments System Risk public website, [www.frbdiscountwindow.org](http://www.frbdiscountwindow.org).

As presented in **table 8**, depository institutions that borrow from the Federal Reserve generally maintain collateral in excess of their current borrowing levels.

## Term Asset-Backed Securities Loan Facility

### Recent Developments

- As of July 25, 2012, the amount of Term Asset-Backed Securities Loan Facility (TALF) loans outstanding and the number of TALF borrowers had declined slightly from their June 2012 levels. TALF LLC, a limited liability company (LLC) formed to purchase and manage assets received by the FRBNY from the TALF program, remains in operation, but as of July 25, 2012, TALF LLC had purchased no assets from the FRBNY.

### Background

On November 25, 2008, the Federal Reserve announced the creation of the TALF under the authority of Section 13(3) of the Federal Reserve

**Table 9. TALF: Number of borrowers and loans outstanding**  
As of July 25, 2012

| Lending program | Number of borrowers | Borrowing (\$ billions) <sup>1</sup> |
|-----------------|---------------------|--------------------------------------|
| Non-CMBS        | 20                  | 2                                    |
| CMBS            | 13                  | 1                                    |
| <b>Total</b>    | <b>27</b>           | <b>4</b>                             |

Note: Unaudited. "Number of borrowers" may exceed total because borrowers may be included in more than one category. "Borrowing" amounts may not sum to total because of rounding.

<sup>1</sup> Book value.

Act. The TALF is a funding facility under which the FRBNY was authorized to extend up to \$200 billion of credit to holders of eligible asset-backed securities (ABS).<sup>4</sup> The TALF was intended to assist financial markets in accommodating the credit needs of consumers and businesses of all sizes by facilitating the issuance of ABS collateralized by a variety of consumer and business loans; it was also intended to improve market conditions for ABS more generally. TALF loans backed by commercial mortgage-backed securities (CMBS) or by ABS backed by government guaranteed loans have maturities of up to five years; all other TALF loans have three-year maturities. Using funds authorized under the Troubled Asset Relief Program (TARP) of the Emergency Economic Stabilization Act of 2008, the Treasury committed to provide \$20 billion in credit protection to the FRBNY in connection with the TALF to support the \$200 billion of authorized lending value under the program. This commitment was reduced to \$4.3 billion in July 2010 to reflect the fact that only \$43 billion of TALF loans were outstanding when the program was closed to new lending, and was further reduced to \$1.4 billion in June 2012 to reflect the amount of loans that remained outstanding at that time as the program winds down.

The Federal Reserve closed the TALF for new loan extensions against newly issued CMBS on June 30, 2010, and for new loans against all other types of collateral on March 31, 2010. All TALF loans were extended by the FRBNY and will mature over the next several years, with all loans maturing no later than March 30, 2015.

Eligible collateral for TALF loans included U.S. dollar-denominated ABS backed by student loans, auto loans, credit card loans, equipment loans, floor-plan loans, insurance premium finance loans, loans

guaranteed by the Small Business Administration (SBA), residential mortgage servicing advances, or commercial mortgages. At the time a TALF loan was extended, all eligible collateral was required to have a credit rating in the highest investment-grade rating category from two or more eligible nationally recognized statistical rating organizations (NRSROs) and could not have a credit rating below the highest investment-grade rating category from an eligible NRSRO. Certain collateral also had to pass an internal risk assessment by the FRBNY.

Additionally, all or substantially all of the credit exposures underlying eligible ABS were required to be exposures to U.S.-domiciled obligors or with respect to real property located in the United States or its territories. Except for ABS for which the underlying credit exposures are SBA-guaranteed loans, eligible newly issued ABS must have been issued on or after January 1, 2009. Eligible legacy CMBS must have been issued before January 1, 2009, must be senior in payment priority to all other interests in the underlying pool of commercial mortgages, and must meet certain other criteria designed to protect the Federal Reserve and the Treasury from credit risk. Collateral would not be accepted from a particular borrower if the collateral was backed by loans originated or securitized by that borrower or its affiliate except in very limited circumstances.

The loans provided through the TALF were designed to be limited in recourse to the collateral, generally allowing borrowers the option of surrendering the collateral to the FRBNY in full satisfaction of the TALF loan. The FRBNY's loan is secured by the ABS collateral, with the FRBNY lending an amount equal to the market value of the ABS, less a haircut. The haircut is a buffer which protects the FRBNY against a decline in the collateral's value. The Federal Reserve set initial haircuts for each type of eligible collateral to reflect an assessment of the riskiness and maturity of the various types of eligible ABS. Break-downs of TALF collateral by underlying loan type and credit rating are presented in **tables 10 and 11**, respectively.

## TALF LLC

TALF LLC was formed to purchase and manage any ABS that might be surrendered by a TALF borrower or otherwise claimed by the FRBNY in connection with its enforcement rights to the TALF collateral. In certain limited circumstances, TALF LLC may also purchase TALF program loans from the FRBNY.

<sup>4</sup> For additional information on the TALF, refer to [www.federalreserve.gov/monetarypolicy/bst\\_lendingother.htm](http://www.federalreserve.gov/monetarypolicy/bst_lendingother.htm).

**Table 10. TALF collateral by underlying loan type**

Billions of dollars, as of July 25, 2012

| Type of collateral             | Value    |
|--------------------------------|----------|
| <i>By underlying loan type</i> |          |
| Auto                           | *        |
| Commercial mortgages           | 1        |
| Newly issued                   | 0        |
| Legacy                         | 1        |
| Credit card                    | 1        |
| Equipment                      | 0        |
| Floorplan                      | *        |
| Premium finance                | *        |
| Servicing advances             | 0        |
| Small business                 | *        |
| Student loan                   | 1        |
| <b>Total</b>                   | <b>4</b> |

Note: Unaudited. Components may not sum to total because of rounding. Data represent the face value of collateral.

\* Less than \$500 million.

TALF LLC has committed to purchase, for a fee, all such assets at a price equal to the TALF loan, plus accrued but unpaid interest.

Purchases of these securities are funded first through the fees received by TALF LLC and any interest

**Table 11. TALF collateral by rating**

Billions of dollars, as of July 25, 2012

| Type of collateral  | Value    |
|---|----------|
| <i>Asset-backed securities with minimum rating of:</i> <sup>1</sup> |          |
| AAA/Aaa   | 4        |
| <b>Total</b>  | <b>4</b> |

Note: Unaudited. Data represent the face value of collateral.

<sup>1</sup> Eligible ABS collateral for the TALF was required to have a credit rating in the highest investment-grade rating category from at least two eligible NRSROs and could not have a credit rating below the highest investment-grade rating category from an eligible NRSRO. When pledged collateral is downgraded below the highest investment-grade rating, existing loans against the collateral remain outstanding.

TALF LLC has earned on its investments. In the event that such funding proves insufficient, the TARP will provide additional subordinated debt funding to TALF LLC to finance up to \$1.4 billion of asset purchases. Subsequently, the FRBNY will finance any additional purchases of securities by providing senior debt funding to TALF LLC. Thus, the TARP funds provide credit protection to the FRBNY. Financial information on TALF LLC is reported weekly in tables 1, 2, 7, 8, and 9 of the H.4.1 statistical release. As of July 25, 2012, TALF LLC had purchased no assets from the FRBNY.

**Table 12A. Issuers of non-CMBS that collateralize outstanding TALF loans**

As of July 25, 2012

| Issuers                                    |
|--|
| ARI Fleet Lease Trust 2010-A               |
| Chesapeake Funding LLC                     |
| Citibank Omni Master Trust                 |
| Discover Card Execution Note Trust         |
| FIFC Premium Funding LLC                   |
| Ford Credit Floorplan Master Owner Trust A |
| GE Dealer Floorplan Master Note Trust      |
| PFS Financing Corp.                        |
| SLC Private Student Loan Trust 2009-A      |
| SLC Private Student Loan Trust 2010-B      |
| SLM Private Education Loan Trust 2009-CT   |
| SLM Private Education Loan Trust 2009-D    |
| SLM Private Education Loan Trust 2010-A    |
| U.S. Small Business Administration         |

**Table 12B. Issuers of newly issued CMBS that collateralize outstanding TALF loans**

As of July 25, 2012

| Issuers <sup>1</sup>  |
|---|
| <sup>1</sup> There are no outstanding TALF loans collateralized with newly issued CMBS. |

**Table 12C. Issuers of legacy CMBS that collateralize outstanding TALF loans**

As of July 25, 2012

| Issuers  |
|--|
| Banc of America Commercial Mortgage Inc. Series 2005-3       |
| Banc of America Commercial Mortgage Inc. Series 2005-5       |
| Banc of America Commercial Mortgage Trust 2006-1             |
| Banc of America Commercial Mortgage Trust 2006-5             |
| Banc of America Commercial Mortgage Trust 2007-1             |
| Banc of America Commercial Mortgage Trust 2007-2             |
| Banc of America Commercial Mortgage Trust 2007-3             |
| Bear Stearns Commercial Mortgage Securities Trust 2004-PWR4  |
| Bear Stearns Commercial Mortgage Securities Trust 2004-TOP16 |
| Bear Stearns Commercial Mortgage Securities Trust 2005-PWR10 |
| Bear Stearns Commercial Mortgage Securities Trust 2005-PWR7  |
| Bear Stearns Commercial Mortgage Securities Trust 2007-PWR16 |

**Table 12C. Issuers of legacy CMBS that collateralize outstanding TALF loans—Continued**

As of July 25, 2012

| Issuers   |
|---|
| CD 2006-CD3 Mortgage Trust  |
| CD 2007-CD4 Commercial Mortgage Trust                                     |
| COMM 2004-LNB2 Mortgage Trust   |
| COMM 2005-C6 Mortgage Trust   |
| COMM 2006-C8 Mortgage Trust   |
| Commercial Mortgage Trust 2005-GG5  |
| Commercial Mortgage Trust 2007-GG9  |
| Credit Suisse Commercial Mortgage Trust Series 2007-C1                    |
| Credit Suisse Commercial Mortgage Trust Series 2007-C2                    |
| Credit Suisse Commercial Mortgage Trust Series 2007-C4                    |
| CS First Boston Mortgage Secur 2004-C1                                    |
| CSFB Commercial Mortgage Trust 2005-C3                                    |
| GE Commercial Mortgage Corporation Series 2005-C1                         |
| GE Commercial Mortgage Corporation Series 2005-C4                         |
| GE Commercial Mortgage Corporation, Series 2007-C1 Trust                  |
| GS Mortgage Securities Corporation II Series 2005-GG4                     |
| GS Mortgage Securities Trust 2006-GG6                                     |
| GS Mortgage Securities Trust 2006-GG8                                     |
| GS Mortgage Securities Trust 2007-GG10                                    |
| J.P. Morgan Chase Commercial Mortgage Securities Corp. Series 2004-C2     |
| J.P. Morgan Chase Commercial Mortgage Securities Corp. Series 2005-CIBC13 |
| J.P. Morgan Chase Commercial Mortgage Securities Corp. Series 2005-LDP5   |
| J.P. Morgan Chase Commercial Mortgage Securities Trust 2006-CIBC15        |
| J.P. Morgan Chase Commercial Mortgage Securities Trust 2006-LDP9          |
| J.P. Morgan Chase Commercial Mortgage Securities Trust 2007-LDP11         |
| J.P. Morgan Chase Commercial Mortgage Securities Trust 2007-LDP12         |
| LB Commercial Mortgage Trust 2007-C3                                      |
| LB-UBS Commercial Mortgage Trust 2004-C1                                  |
| LB-UBS Commercial Mortgage Trust 2004-C7                                  |
| LB-UBS Commercial Mortgage Trust 2005-C2                                  |
| LB-UBS Commercial Mortgage Trust 2007-C1                                  |
| LB-UBS Commercial Mortgage Trust 2007-C2                                  |
| LB-UBS Commercial Mortgage Trust 2007-C6                                  |
| Merrill Lynch Mortgage Trust 2007-C1                                      |
| ML-CFC Commercial Mortgage Trust 2006-4                                   |
| ML-CFC Commercial Mortgage Trust 2007-5                                   |
| ML-CFC Commercial Mortgage Trust 2007-8                                   |
| Morgan Stanley Capital I Trust 2006-TOP21                                 |
| Morgan Stanley Capital I Trust 2007-IQ14                                  |
| Morgan Stanley Capital I Trust 2007-IQ15                                  |
| Morgan Stanley Capital I Trust 2007-TOP27                                 |
| Wachovia Bank Commercial Mortgage Trust Series 2005-C20                   |
| Wachovia Bank Commercial Mortgage Trust Series 2006-C28                   |
| Wachovia Bank Commercial Mortgage Trust Series 2006-C29                   |
| Wachovia Bank Commercial Mortgage Trust Series 2007-C32                   |
| Wachovia Bank Commercial Mortgage Trust Series 2007-C33                   |

# Lending in Support of Specific Institutions

## Quarterly Developments

- In the second quarter of 2012, cash flows generated from the Maiden Lane LLC and Maiden Lane III LLC portfolios were used to repay the remaining balances on the FRBNY's loans to those LLCs. These repayments totaled approximately \$11.9 billion, as presented in **tables 14 and 19**, and marked the retirement of the last remaining debts owed to the FRBNY from the crisis-era interventions with The Bear Stearns Companies, Inc. (Bear Stearns) and AIG.

## Background

During the financial crisis, the Federal Reserve extended credit to certain specific institutions in order to avert disorderly failures that could result in severe dislocations and strains for the financial system as a whole and harm the U.S. economy. In certain other cases, the Federal Reserve committed to extend credit, if necessary, to support important financial firms.

**Table 13. Fair value asset coverage of FRBNY loan**

Millions of dollars

|                     | Fair value asset coverage of FRBNY loan on 6/30/2012 | Fair value asset coverage of FRBNY loan on 3/31/2012 |
|---------------------|--|--|
| Maiden Lane LLC     | N/A*   | 2,661  |
| Maiden Lane II LLC  | N/A*   | N/A*   |
| Maiden Lane III LLC | N/A*   | 10,981   |

Note: Unaudited. Fair value asset coverage is the amount by which the fair value of the net portfolio assets of each LLC (refer to table 25) is greater or less than the outstanding balance of the loans extended by the FRBNY, including accrued interest.

\* The FRBNY loans to Maiden Lane LLC, Maiden Lane II LLC, and Maiden Lane III LLC have been repaid in full, including interest.

**Table 14. Maiden Lane LLC outstanding principal balance of loans**

Millions of dollars

|   | FRBNY senior loan | JPMC subordinate loan |
|---|-------------------|-----------------------|
| <i>Since inception</i>  |                   |                       |
| Principal balance at closing  | 28,820            | 1,150                 |
| Accrued and capitalized interest to 6/30/2012                               | 765               | 271                   |
| Repayments to 6/30/2012   | (29,585)          | (321)                 |
| Principal balance on 6/30/2012 (including accrued and capitalized interest) | 0                 | 1,100                 |
| <i>Most recent quarterly activity</i>                                       |                   |                       |
| Principal balance on 3/31/2012 (including accrued and capitalized interest) | 2,913             | 1,403                 |
| Accrued and capitalized interest from 3/31/2012 to 6/30/2012                | 3                 | 18                    |
| Repayment during the period from 3/31/2012 to 6/30/2012 <sup>1</sup>        | (2,916)           | (321)                 |
| Principal balance on 6/30/2012 (including accrued and capitalized interest) | 0                 | 1,100                 |

Note: Unaudited. As part of the asset purchase agreement, JPMC made a loan to Maiden Lane LLC. For repayment purposes, this obligation is subordinated to the senior loan extended by the FRBNY.

<sup>1</sup> Repayment amount for the period includes \$2.6 billion of proceeds received from asset sales. Due to the cash flow cut off date used to calculate the cash available for the repayment, the portion of the repayment amount comprised of sale proceeds may not reconcile to the total sale proceeds reported each month. Proceeds received after the cut off date are applied to the loan in the next monthly payment cycle.

## Bear Stearns and Maiden Lane LLC

### Background

In March 2008, the FRBNY and JPMorgan Chase & Co. (JPMC) entered into an arrangement related to financing provided by the FRBNY to facilitate the acquisition by JPMC of Bear Stearns. In connection with the transaction, the Federal Reserve Board authorized the FRBNY, under Section 13(3) of the Federal Reserve Act, to extend credit to a Delaware limited liability company, Maiden Lane LLC, to partially fund the purchase of a portfolio of mortgage-

related securities, residential and commercial mortgage loans, and associated hedges from Bear Stearns. In the second quarter of 2008, the FRBNY extended credit to Maiden Lane LLC. In addition, JPMC made a \$1.15 billion subordinated loan to Maiden Lane LLC that was available to absorb first any losses that may be realized. After repayment in full of the FRBNY's senior loan and JPMC subordinated loan (each including accrued interest), FRBNY will receive any remaining proceeds. The LLC manages its assets through time to maximize the repayment of credit extended to the LLC and to minimize disruption to the financial markets.

The two-year accumulation period that followed the closing date for Maiden Lane LLC ended on June 26, 2010. Consistent with the terms of the Maiden Lane LLC transaction, the distribution of the proceeds realized on the asset portfolio held by Maiden Lane LLC, after payment of certain fees and expenses, occur on a monthly basis unless otherwise directed by the Federal Reserve. The monthly distributions are used to cover the expenses and repay the obligations of the LLC.

**Table 15. Maiden Lane LLC summary of portfolio composition, cash and cash equivalents, and other assets and liabilities**

| Millions of dollars            |                                      |                                      |
|--------------------------------|--------------------------------------|--------------------------------------|
|                                | Fair value on 6/30/2012 <sup>1</sup> | Fair value on 3/31/2012 <sup>1</sup> |
| Federal agency and GSE MBS     | 402                                  | 422                                  |
| Non-agency RMBS                | 106                                  | 1,270                                |
| Commercial loans               | 567                                  | 1,320                                |
| Residential loans              | 0                                    | 3                                    |
| Swap contracts                 | 458                                  | 516                                  |
| Other investments <sup>2</sup> | 367                                  | 631                                  |
| Cash and cash equivalents      | 1,011                                | 1,874                                |
| Other assets <sup>3</sup>      | 9                                    | 82                                   |
| Other liabilities <sup>4</sup> | (473)                                | (544)                                |
| <b>Net assets</b>              | <b>2,447</b>                         | <b>5,574</b>                         |

Note: Unaudited. Components may not sum to totals because of rounding.  
<sup>1</sup> Change in fair value from the prior quarter reflects a combination of asset repayment of principal, change in the price of portfolio securities, realized gains and losses as a result of sales, and the disbursement of cash to repay the Senior Loan and the Subordinate Loan.  
<sup>2</sup> Primarily composed of short-term investments (mainly of U.S. Treasury securities), CMBS, and CDOs.  
<sup>3</sup> Including interest and principal receivable, amounts receivable for securities sold, and other assets.  
<sup>4</sup> Including amounts payable for securities purchased, collateral posted to Maiden Lane LLC by swap counterparties, and other liabilities and accrued expenses.

**Table 16. Maiden Lane LLC securities distribution by sector and rating**

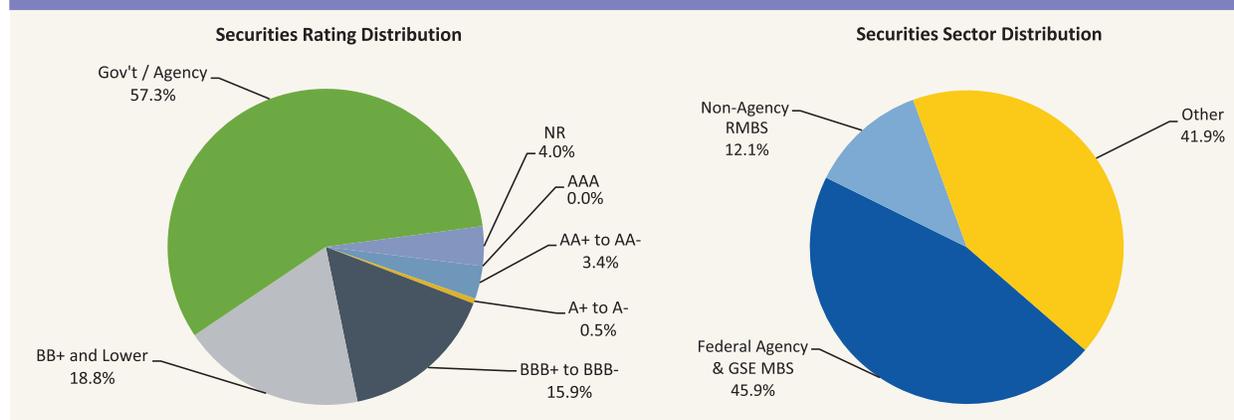
Percent, as of June 30, 2012

| Sector <sup>1</sup>        | Rating     |            |            |              |               |              |                | Total        |
|----------------------------|------------|------------|------------|--------------|---------------|--------------|----------------|--------------|
|                            | AAA        | AA+ to AA- | A+ to A-   | BBB+ to BBB- | BB+ and lower | Gov't/Agency | Not rated (NR) |              |
| Federal agency and GSE MBS | 0.0        | 0.0        | 0.0        | 0.0          | 0.0           | 45.9         | 0.0            | 45.9         |
| Non-agency RMBS            | 0.0        | 0.0        | 0.5        | 0.4          | 11.2          | 0.0          | 0.0            | 12.1         |
| Other                      | 0.0        | 3.4        | 0.0        | 15.6         | 7.6           | 11.4         | 4.0            | 41.9         |
| <b>Total</b>               | <b>0.0</b> | <b>3.4</b> | <b>0.5</b> | <b>15.9</b>  | <b>18.8</b>   | <b>57.3</b>  | <b>4.0</b>     | <b>100.0</b> |

Note: Unaudited. This table presents the sector and ratings composition of the securities in the Maiden Lane LLC portfolio as a percentage of all securities in the portfolio. It is based on the fair value of the securities. Lowest of all ratings is used for purposes of this table. Rows and columns may not sum to totals because of rounding.

<sup>1</sup> Does not include Maiden Lane LLC's swaps and commercial and residential mortgage loans.

**Figure 2. Maiden Lane LLC securities distribution as of June 30, 2012**



On June 14, 2012, the FRBNY announced that its loan to Maiden Lane LLC had been repaid in full, with interest. This repayment marked the retirement of the remaining debt owed to the FRBNY from the crisis-era intervention with The Bear Stearns Companies, Inc. (Bear Stearns). The FRBNY will continue to sell the remaining assets from the Maiden Lane LLC portfolio as market conditions warrant and if the sales represent good value for the public. In accordance with the Maiden Lane LLC agreements, proceeds from future asset sales will be used to repay the subordinated loan extended by JPMC, after which the FRBNY will receive all residual profits. Additional information is available at [www.newyorkfed.org/newsevents/news/markets/2012/an120614.html](http://www.newyorkfed.org/newsevents/news/markets/2012/an120614.html) and [www.newyorkfed.org/markets/maidenlane.html](http://www.newyorkfed.org/markets/maidenlane.html).

The assets of Maiden Lane LLC are presented weekly in tables 1, 8, and 9 of the H.4.1 statistical release. Additional details on the accounts of Maiden Lane LLC are presented in table 4 of the H.4.1 statistical release. Detailed information on the terms of the loan, the holdings of Maiden Lane LLC (including the CUSIP number, descriptor, and the current principal balance or notional amount outstanding for nearly all of the holdings of Maiden Lane LLC with the exception of residential whole loans), and the sale of Maiden Lane LLC assets (including monthly lists of assets sold from Maiden Lane LLC and quarterly updates on total proceeds from sales and the total amount purchased by each counterparty) is published on the FRBNY website at [www.newyorkfed.org/markets/maidenlane.html](http://www.newyorkfed.org/markets/maidenlane.html).

Information about the assets and liabilities of Maiden Lane LLC is presented as of June 30, 2012, in **tables 14 through 16** and **figure 2**. This information is updated on a quarterly basis.

## AIG, Maiden Lane II LLC, and Maiden Lane III LLC

### Recent Developments

- On August 23, 2012, the FRBNY announced that all remaining securities in the Maiden Lane III LLC portfolio have been sold. After the repayment of Maiden Lane III LLC's liabilities to the FRBNY and AIG, net proceeds from sales of the securities, as well as cash flow the securities generated while held by Maiden Lane III LLC, provided a net gain of approximately \$6.6 billion, including \$737 million in accrued interest, for the benefit of

the U.S. public. Additional information is available at [www.newyorkfed.org/newsevents/news/markets/2012/an120823.html](http://www.newyorkfed.org/newsevents/news/markets/2012/an120823.html) and [www.newyorkfed.org/markets/ml3\\_sec\\_offerings.html](http://www.newyorkfed.org/markets/ml3_sec_offerings.html).

### Background

On September 16, 2008, the Federal Reserve, with the full support of the Treasury, announced that it would lend to AIG to prevent a disorderly failure of this systemically important firm, protect the financial system and the broader economy, and provide the company time to restructure its operations in an orderly manner. At that time, the Federal Reserve, under the authority of Section 13(3) of the Federal Reserve Act, authorized the FRBNY to extend an \$85 billion line of credit (the “revolving credit facility”) to AIG. The Federal Reserve and the Treasury subsequently restructured the government’s financial support to AIG as follows:

- On November 10, 2008, the Federal Reserve and the Treasury announced a restructuring as part of which the line of credit extended to AIG was reduced, and which included Federal Reserve loans to two new LLCs, Maiden Lane II LLC and Maiden Lane III LLC. More detail on these LLCs is reported below. Additional information is included in tables 5 and 6 of the H.4.1 statistical release.
- On March 2, 2009, the Federal Reserve and Treasury announced a further restructuring of the government’s assistance to AIG. As part of this restructuring, the FRBNY received \$25 billion of preferred interests in two special purpose vehicles (SPVs), AIA Aurora LLC and ALICO Holdings LLC, (the “SPV Preferred Interests”) in exchange for an equivalent reduction of the amount of debt then outstanding on the revolving credit facility. Additional information on the March 2009 restructuring is available at [www.federalreserve.gov/newsevents/press/other/20090302a.htm](http://www.federalreserve.gov/newsevents/press/other/20090302a.htm).

On September 30, 2010, AIG announced a comprehensive recapitalization plan (the “Recapitalization”) that included repayment of AIG’s obligations to the FRBNY and termination of the FRBNY’s commitment to lend any further funds. At the closing of the Recapitalization on January 14, 2011, AIG repaid in full the remaining amount outstanding under the revolving credit facility established by the FRBNY, including all accrued interest and fees. The FRBNY also received the full amount, including all accrued dividends, of the SPV Preferred Interests. AIG pur-

chased a portion of the SPV Preferred Interests from the FRBNY through a draw on the Treasury's Series F preferred stock commitment. AIG then transferred the SPV Preferred Interests purchased from the FRBNY to the Treasury as consideration for the draw on the available Series F funds.

On October 31, 2011, the U.S. Government Accountability Office released a report that reviewed the Federal Reserve's financial assistance to AIG. The report can be found on the Federal Reserve's audit webpage at [www.federalreserve.gov/newsevents/reform\\_audit\\_gao.htm](http://www.federalreserve.gov/newsevents/reform_audit_gao.htm). A comprehensive overview of financial assistance provided to AIG is available online at [www.federalreserve.gov/monetarypolicy/bst\\_supportspecific.htm](http://www.federalreserve.gov/monetarypolicy/bst_supportspecific.htm) and [www.newyorkfed.org/aboutthefed/aig/index.html](http://www.newyorkfed.org/aboutthefed/aig/index.html).

## Maiden Lane II LLC

Pursuant to authority granted by the Federal Reserve Board under Section 13(3) of the Federal Reserve Act, on December 12, 2008, the FRBNY lent approximately \$19.5 billion to a newly formed Delaware limited liability company, Maiden Lane II LLC, to partially fund the purchase of residential mortgage-backed securities (RMBS) from the securities lending portfolio of several regulated U.S. insurance subsidiaries of AIG. Maiden Lane II LLC acquired the RMBS, which had an aggregate par value of approximately \$39.3 billion, at the then-current market value of approximately \$20.8 billion, which was substantially below par value.<sup>5</sup> The full portfolio of RMBS held by Maiden Lane II LLC served as collateral for the Federal Reserve's loan to Maiden Lane II LLC. AIG's insurance subsidiaries also had a \$1 billion subordinated position (in the form of a fixed deferred purchase price) in Maiden Lane II LLC that was available to absorb first any losses that may have been realized. After repayment in full of the FRBNY's loan and the fixed deferred purchase price (each including accrued interest), any remaining proceeds would be split  $\frac{5}{6}$ ths to the FRBNY and  $\frac{1}{6}$ th to the AIG insurance subsidiaries.

On March 30, 2011, the Federal Reserve announced that the FRBNY, through its investment manager, BlackRock Solutions, would dispose of the securities in the Maiden Lane II LLC portfolio individually

<sup>5</sup> The aggregate amount of interest and principal proceeds from RMBS received after the announcement date, but prior to the settlement date, net of financing costs, amounted to approximately \$0.3 billion and therefore reduced the amount of funding required at settlement by \$0.3 billion, from \$20.8 billion to \$20.5 billion.

**Table 17. Maiden Lane II LLC outstanding principal balance of senior loan and fixed deferred purchase price**

| Millions of dollars   |                   |                                   |
|---|-------------------|-----------------------------------|
|   | FRBNY senior loan | AIG fixed deferred purchase price |
| <i>Since inception</i>  |                   |                                   |
| Principal balance at closing  | 19,494            | 1,000                             |
| Accrued and capitalized interest to 3/31/2012                               | 580               | 113                               |
| Repayments to 3/31/2012   | (20,074)          | (1,113)                           |
| Principal balance on 3/31/2012 (including accrued and capitalized interest) | 0                 | 0                                 |

Note: Unaudited. As part of the asset purchase agreement, AIG subsidiaries were entitled to receive from Maiden Lane II LLC a fixed deferred purchase price plus interest on the amount. This obligation was subordinated to the senior loan extended by the FRBNY, and it reduced the amount paid by Maiden Lane II LLC for the assets by a corresponding amount.

**Table 18. Maiden Lane II LLC summary of RMBS portfolio composition, cash and cash equivalents, and other assets and liabilities**

| Millions of dollars            |                                      |                                      |
|--------------------------------|--------------------------------------|--------------------------------------|
|                                | Fair value on 6/30/2012 <sup>1</sup> | Fair value on 3/31/2012 <sup>1</sup> |
| Alt-A ARM                      | —                                    | —                                    |
| Subprime                       | —                                    | —                                    |
| Option ARM                     | —                                    | —                                    |
| Other                          | —                                    | —                                    |
| Cash and cash equivalents      | 18                                   | 19                                   |
| Other assets <sup>2</sup>      | 0                                    | 0                                    |
| Other liabilities <sup>3</sup> | (0)                                  | (0)                                  |
| <b>Net assets</b>              | <b>18</b>                            | <b>19</b>                            |

Note: Unaudited. Components may not sum to totals because of rounding.

<sup>1</sup> Change in fair value from the prior quarter reflects changes in the cash balance maintained for payment of trailing expenses and other obligations.

<sup>2</sup> Including interest receivable.

<sup>3</sup> Including accrued expenses and other payables.

and in segments through a competitive sales process over time as market conditions warranted. Approximately \$10 billion in face amount of securities was sold during the second quarter of 2011 through competitive bid list auctions. Bid list sales were later halted owing to unfavorable market conditions. In response to an investor offer, competitive sales resumed in early 2012 and on January 19, 2012, the FRBNY announced that it had sold \$7.014 billion in face value of assets from its Maiden Lane II LLC portfolio through a competitive bidding process to Credit Suisse Securities (USA) LLC. On February 8, an additional \$6.2 billion in face value of Maiden Lane II LLC portfolio assets was sold through a competitive bidding process to Goldman Sachs & Co. On February 28, the portfolio's remaining

\$6.0 billion in face value of assets was sold to Credit Suisse Securities (USA) LLC.

On March 1, 2012, proceeds from these asset sales, along with cash flow generated by the securities while held in the Maiden Lane II portfolio, enabled the repayment of the remaining outstanding balance of the senior loan from the FRBNY to Maiden Lane II LLC, with interest, along with a portion of the fixed deferred purchase price owed to insurance subsidiaries of AIG that held a subordinated position in Maiden Lane II LLC. On March 15, the remaining portion of the fixed deferred purchase price plus interest owed to the AIG subsidiaries was repaid in full. In addition, in accordance with the Maiden Lane II agreements described above, residual proceeds were split  $\frac{5}{6}$ ths to the FRBNY and  $\frac{1}{6}$ th to the AIG subsidiaries. A small cash balance remains in Maiden Lane II LLC in order to meet trailing expenses and other obligations. The FRBNY has also announced that the transactions generated a net gain of approximately \$2.8 billion, including \$580 million in accrued interest, for the benefit of the U.S. public.

The net portfolio holdings of Maiden Lane II LLC are presented in tables 1, 8, and 9 of the weekly H.4.1 statistical release. Additional detail on the accounts of Maiden Lane II LLC is presented in table 5 of the H.4.1 statistical release. Detailed information on the terms of the loan, the holdings of Maiden Lane II LLC (including the CUSIP number, descriptor, and the current principal balance or notional amount outstanding for all the positions in the portfolio), and the disposition of Maiden Lane II LLC assets (including offering announcements and results, monthly lists of assets sold, and quarterly updates on total proceeds from sales and the total amount purchased by each counterparty) is published on the FRBNY website at [www.newyorkfed.org/markets/maidenlane.html](http://www.newyorkfed.org/markets/maidenlane.html).

Information about the assets and liabilities of Maiden Lane II LLC is presented as of June 30, 2012, in **table 18**. This information is updated on a quarterly basis.

### Maiden Lane III LLC

Pursuant to authority granted by the Federal Reserve Board under Section 13(3) of the Federal Reserve Act, the FRBNY in November and December 2008, lent approximately \$24.3 billion to a newly formed Delaware limited liability company, Maiden Lane III

**Table 19. Maiden Lane III LLC outstanding principal balance of senior loan and equity contribution**

| Millions of dollars   |                   |                         |
|---|-------------------|-------------------------|
|   | FRBNY senior loan | AIG equity contribution |
| <i>Since inception</i>  |                   |                         |
| Principal balance at closing  | 24,339            | 5,000                   |
| Accrued and capitalized interest to 6/30/2012                               | 737               | 631                     |
| Repayments to 6/30/2012   | (25,076)          | (77)                    |
| Principal balance on 6/30/2012 (including accrued and capitalized interest) | 0                 | 5,555                   |
| <i>Most recent quarterly activity</i>                                       |                   |                         |
| Principal balance on 3/31/2012 (including accrued and capitalized interest) | 8,993             | 5,587                   |
| Accrued and capitalized interest from 3/31/2012 to 6/30/2012                | 16                | 45                      |
| Repayment during the period from 3/31/2012 to 6/30/2012 <sup>1</sup>        | (9,009)           | (77)                    |
| Principal balance on 6/30/2012 (including accrued and capitalized interest) | 0                 | 5,555                   |

Note: Unaudited. Components may not sum to totals because of rounding. As part of the asset purchase agreement, AIG purchased a \$5 billion equity contribution, which is subordinated to the senior loan extended by the FRBNY.

<sup>1</sup> Repayment amount for the period includes \$8.2 billion of proceeds received from asset sales. Due to the cash flow cut off date used to calculate the cash available for the repayment, the portion of the repayment amount comprised of sale proceeds may not reconcile to the total sale proceeds reported each month. Proceeds received after the cut off date are applied to the loan in the next monthly payment cycle.

**Table 20. Maiden Lane III LLC summary of portfolio composition, cash and cash equivalents, and other assets and liabilities**

| Millions of dollars            |                                      |                                      |
|--------------------------------|--------------------------------------|--------------------------------------|
|                                | Fair value on 6/30/2012 <sup>1</sup> | Fair value on 3/31/2012 <sup>1</sup> |
| High-grade ABS CDO             | 4,797                                | 12,852                               |
| Mezzanine ABS CDO              | 1,555                                | 1,566                                |
| Commercial real estate CDO     | 4                                    | 5,154                                |
| RMBS, CMBS, and Other          | 253                                  | 276                                  |
| Cash and cash equivalents      | 5,118                                | 95                                   |
| Other assets <sup>2</sup>      | 1,697                                | 33                                   |
| Other liabilities <sup>3</sup> | (2)                                  | (2)                                  |
| <b>Net assets</b>              | <b>13,422</b>                        | <b>19,974</b>                        |

Note: Unaudited. Components may not sum to totals because of rounding.

<sup>1</sup> Change in fair value from the prior quarter reflects a combination of asset repayment of principal, change in the price, and realized gains and losses as a result of sales and the disbursement of cash to repay the Senior Loan and the Equity Contribution.

<sup>2</sup> Including interest and principal receivable and amounts receivable for securities sold.

<sup>3</sup> Including accrued expenses and other payables.

LLC, to fund the purchase of certain asset-backed collateralized debt obligations (ABS CDOs) from certain counterparties of AIG Financial Products Corp. (AIGFP) on which AIGFP had written credit

**Table 21. Maiden Lane III LLC securities distribution by sector, vintage, and rating**

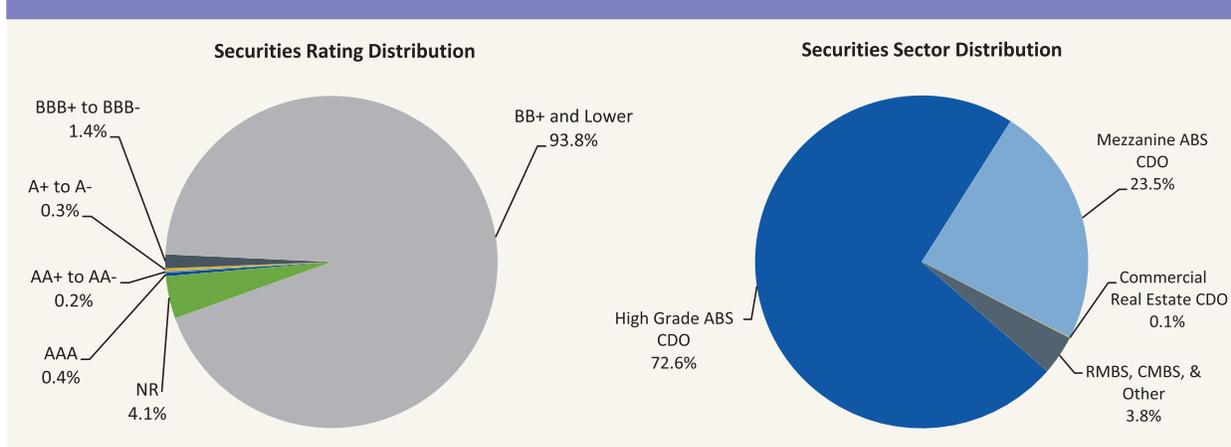
Percent, as of June 30, 2012

| Sector and vintage <sup>1</sup> | Rating     |            |            |              |               |                | Total        |
|---------------------------------|------------|------------|------------|--------------|---------------|----------------|--------------|
|                                 | AAA        | AA+ to AA- | A+ to A-   | BBB+ to BBB- | BB+ and lower | Not rated (NR) |              |
| High-grade ABS CDO              | 0.0        | 0.0        | 0.0        | 0.0          | 69.0          | 3.6            | 72.6         |
| Pre-2005                        | 0.0        | 0.0        | 0.0        | 0.0          | 27.2          | 0.0            | 27.2         |
| 2005                            | 0.0        | 0.0        | 0.0        | 0.0          | 41.7          | 3.6            | 45.4         |
| 2006                            | 0.0        | 0.0        | 0.0        | 0.0          | 0.0           | 0.0            | 0.0          |
| 2007                            | 0.0        | 0.0        | 0.0        | 0.0          | 0.0           | 0.0            | 0.0          |
| Mezzanine ABS CDO               | 0.0        | 0.0        | 0.0        | 0.9          | 22.1          | 0.5            | 23.5         |
| Pre-2005                        | 0.0        | 0.0        | 0.0        | 0.9          | 12.4          | 0.5            | 13.9         |
| 2005                            | 0.0        | 0.0        | 0.0        | 0.0          | 8.0           | 0.0            | 8.0          |
| 2006                            | 0.0        | 0.0        | 0.0        | 0.0          | 0.0           | 0.0            | 0.0          |
| 2007                            | 0.0        | 0.0        | 0.0        | 0.0          | 1.6           | 0.0            | 1.6          |
| Commercial real estate CDO      | 0.0        | 0.0        | 0.0        | 0.0          | 0.1           | 0.0            | 0.1          |
| Pre-2005                        | 0.0        | 0.0        | 0.0        | 0.0          | 0.0           | 0.0            | 0.0          |
| 2005                            | 0.0        | 0.0        | 0.0        | 0.0          | 0.1           | 0.0            | 0.1          |
| 2006                            | 0.0        | 0.0        | 0.0        | 0.0          | 0.0           | 0.0            | 0.0          |
| 2007                            | 0.0        | 0.0        | 0.0        | 0.0          | 0.0           | 0.0            | 0.0          |
| RMBS, CMBS, and Other           | 0.4        | 0.2        | 0.3        | 0.4          | 2.6           | 0.0            | 3.8          |
| Pre-2005                        | 0.0        | 0.0        | 0.0        | 0.2          | 0.4           | 0.0            | 0.6          |
| 2005                            | 0.3        | 0.1        | 0.3        | 0.3          | 2.1           | 0.0            | 3.0          |
| 2006                            | 0.0        | 0.0        | 0.0        | 0.0          | 0.2           | 0.0            | 0.2          |
| 2007                            | 0.0        | 0.0        | 0.0        | 0.0          | 0.0           | 0.0            | 0.0          |
| <b>Total</b>                    | <b>0.4</b> | <b>0.2</b> | <b>0.3</b> | <b>1.4</b>   | <b>93.8</b>   | <b>4.1</b>     | <b>100.0</b> |

Note: Unaudited. This table presents the sector, vintage, and rating composition of the securities in the Maiden Lane III LLC portfolio as a percentage of all securities in the portfolio. It is based on the fair value of the securities. Lowest of all ratings is used for purposes of this table. Rows and columns may not sum to totals because of rounding.

<sup>1</sup> The year of issuance with the highest concentration of underlying assets as measured by outstanding principal balance determines the vintage of the CDO.

**Figure 3. Maiden Lane III LLC securities distribution as of June 30, 2012**



default swaps and similar contracts. Maiden Lane III LLC acquired these CDOs, which had an aggregate par value of approximately \$62.1 billion, at the then-current market value of approximately \$29.6 billion, which was substantially below par value.<sup>6</sup> The full

portfolio of CDOs held by Maiden Lane III LLC serves as collateral for the Federal Reserve’s loan to Maiden Lane III LLC. AIG together with an AIG

<sup>6</sup> The aggregate amount of interest and principal proceeds from CDOs received after the announcement date, but prior to the

settlement dates, net of financing costs, amounted to approximately \$0.3 billion and therefore reduced the amount of funding required at settlement by \$0.3 billion, from \$29.6 billion to \$29.3 billion.

subsidiary also have a \$5 billion subordinated position (in the form of an equity contribution) in Maiden Lane III LLC that is available to absorb first any losses that may be realized. After repayment in full of the FRBNY's loan and AIG's equity interest (each including accrued interest), any remaining proceeds will be split  $\frac{2}{3}$  to the FRBNY and  $\frac{1}{3}$  to AIG (or its assignee). The LLC's assets will be managed to ensure repayment of obligations of the LLC while minimizing disruptions to financial markets.

On April 3, 2012, the FRBNY revised Maiden Lane III LLC's investment objective to allow for asset sales, and began conducting such sales shortly thereafter. The FRBNY announced that, between April 26 and May 10, 2012, it had sold a total of \$9.9 billion in face value of assets from the Maiden Lane III LLC portfolio following two separate competitive bid processes. These transactions resulted in a substantial reduction of the Maiden Lane III LLC portfolio and the senior loan to Maiden Lane III LLC extended by the FRBNY. Additional information about the sales is available at [www.newyorkfed.org/newsevents/news/markets/2012/an120426.html](http://www.newyorkfed.org/newsevents/news/markets/2012/an120426.html) and [www.newyorkfed.org/newsevents/news/markets/2012/an120510.html](http://www.newyorkfed.org/newsevents/news/markets/2012/an120510.html). Information regarding subsequent security offerings and sales from the Maiden Lane III LLC portfolio is available at [www.newyorkfed.org/markets/ml3\\_sec\\_offerings.html](http://www.newyorkfed.org/markets/ml3_sec_offerings.html).

On June 14, 2012, the FRBNY announced that its loan to Maiden Lane III LLC had been repaid in

full, with interest. The repayment marked the retirement of the last remaining debts owed to the FRBNY from the crisis-era interventions with AIG. On July 16, the FRBNY announced that net proceeds from additional sales of securities in Maiden Lane III LLC enabled the full repayment of AIG's equity contribution plus accrued interest and provided residual profits to the FRBNY. In accordance with the Maiden Lane III LLC agreements, the FRBNY will continue to receive  $\frac{2}{3}$  of residual profits generated by future sales of Maiden Lane III LLC assets. Additional information is available at [www.newyorkfed.org/newsevents/news/markets/2012/an120614.html](http://www.newyorkfed.org/newsevents/news/markets/2012/an120614.html) and [www.newyorkfed.org/markets/maidenlane.html](http://www.newyorkfed.org/markets/maidenlane.html).

The net portfolio holdings of Maiden Lane III LLC are presented in tables 1, 8, and 9 of the weekly H.4.1 statistical release. Additional detail on the accounts of Maiden Lane III LLC is presented in table 6 of the H.4.1 statistical release. Information on the holdings of the Maiden Lane III LLC, including the CUSIP number, descriptor, and the current principal balance or notional amount outstanding for all the positions in the portfolio, is published on the FRBNY website at [www.newyorkfed.org/markets/maidenlane.html](http://www.newyorkfed.org/markets/maidenlane.html).

Information about the assets and liabilities of Maiden Lane III LLC is presented as of June 30, 2012, in **tables 19 through 21** and **figure 3**. This information is updated on a quarterly basis.

# Federal Reserve Banks' Financial Tables

## Quarterly Developments

- The average daily balance of the Federal Reserve SOMA holdings was approximately \$2.7 trillion during the first half of 2012, as presented in **table 23**. Net earnings from the portfolio were approximately \$46.4 billion; most of the earnings were attributable to interest income on Treasury securities and federal agency and GSE MBS.
- Interest earned from Federal Reserve lending programs was approximately \$62 million during the first half of 2012, as presented in **table 24**; interest earned on loans made by the TALF accounted for most of the total.
- As presented in **table 25**, the consolidated financial statements of the FRBNY reported net income (including changes in valuation) of approximately \$0.5 billion, \$1.2 billion, and \$3.7 billion for Maiden Lane, Maiden Lane II, and Maiden Lane III LLCs, respectively, during the first half of 2012.
- After providing for the payment of dividends and reserving an amount necessary to equate surplus with capital paid in, distributions to the Treasury as interest on Federal Reserve notes totaled \$46.4 billion\* during of the first half of 2012, as presented in **table 22**.
- On August 27, 2012, the Federal Reserve Board published the first in a new series of quarterly financial reports presenting summary information on the combined financial position and results of operations of the Reserve Banks. The combined information includes the accounts and results of operations of each of the 12 Reserve Banks and several consolidated variable interest entities. All financial information included in the financial reports is unaudited. Quarterly financial reports for the first and second quarters of 2012 are available on the Federal Reserve Board's website at [www.federalreserve.gov/monetarypolicy/bst\\_fedfinancials.htm#quarterly](http://www.federalreserve.gov/monetarypolicy/bst_fedfinancials.htm#quarterly).

\* This number was originally reported as \$46.5 billion due to a rounding error.

## Background

The Federal Reserve Banks prepare annual financial statements reflecting balances as of December 31, and income and expenses for the year then ended. The Federal Reserve Bank financial statements also include the accounts and results of operations of several LLCs that have been consolidated with the FRBNY (the “consolidated LLCs”).

The Federal Reserve Banks and the consolidated LLCs are subject to several levels of audit and review. The combined financial statements of the Reserve Banks as well as the financial statements of each of the 12 Reserve Banks and those of the consolidated LLC entities are audited annually by an independent auditing firm retained by the Board of Governors. To ensure auditor independence, the Board requires that the external auditor be independent in all matters relating to the audit. Specifically, the external auditor may not perform services for the Reserve Banks or others that would place it in a position of auditing its own work, making management decisions on behalf of the Reserve Banks, or in any other way impairing its audit independence. In addition, the Reserve Banks, including the consolidated LLCs, are subject to oversight by the Board, which also performs reviews.

The Board of Governors' financial statements are audited annually by an independent auditing firm retained by the Board's Office of Inspector General (OIG). The audit firm also provides a report on compliance and on internal control over financial reporting in accordance with government auditing standards. The OIG also conducts audits, reviews, and investigations relating to the Board's programs and operations as well as of Board functions delegated to the Reserve Banks.

Audited annual financial statements for the Reserve Banks and Board of Governors are available at [www.federalreserve.gov/monetarypolicy/bst\\_fedfinancials.htm](http://www.federalreserve.gov/monetarypolicy/bst_fedfinancials.htm). In this report, the Federal Reserve prepares unaudited quarterly updates to tables included in the Federal Reserve Board's

**Table 22. Federal Reserve Banks' Combined Statement of Income and Comprehensive Income**

Millions of dollars

|   | January 1, 2012 – June 30, 2012 |
|---|---------------------------------|
| Interest income:  |                                 |
| Loans to depository institutions (refer to table 24)  | —                               |
| Other loans, net (refer to table 24)  | 62                              |
| System Open Market Account (refer to table 23)  | 41,577                          |
| Investments held by consolidated variable interest entities (refer to table 25)             | <u>1,012</u>                    |
| Total interest income   | <u>42,651</u>                   |
| Interest expense:   |                                 |
| System Open Market Account (refer to table 23)  | 56                              |
| Beneficial interest in consolidated variable interest entities (refer to table 25)          | 135                             |
| Depository institution deposits   | 1,953                           |
| Term deposit facility   | <u>2</u>                        |
| Total interest expense  | <u>2,146</u>                    |
| Provision for loan losses and restructuring (refer to table 24)                             | —                               |
| Net interest income, after provision for loan losses and restructuring                      | <u>40,505</u>                   |
| Non-interest income (loss):   |                                 |
| Term Asset-Backed Securities Loan Facility (TALF), unrealized losses <sup>1</sup>           | (23)                            |
| System Open Market Account—realized and unrealized gains, net (refer to table 23)           | 4,871                           |
| Investments held by consolidated variable interest entities gains, net (refer to table 25): | 6,475                           |
| Beneficial interest in consolidated variable interest entities losses, net                  | (2,024)                         |
| Income from services  | 229                             |
| Reimbursable services to government agencies  | 238                             |
| Other income  | <u>33</u>                       |
| Total non-interest income   | <u>9,799</u>                    |
| Operating expenses:   |                                 |
| Salaries and other benefits   | 1,476                           |
| Occupancy   | 152                             |
| Equipment   | 92                              |
| Assessments by the Board of Governors:  |                                 |
| Board of Governors operating expenses and currency costs                                    | 572                             |
| Bureau of Consumer Financial Protection   | 163                             |
| Office of Financial Research  | 42                              |
| Professional fees related to consolidated variable interest entities (refer to table 25)    | 17                              |
| Other   | <u>272</u>                      |
| Total operating expenses  | <u>2,786</u>                    |
| Net income prior to distribution  | <u>47,518</u>                   |
| Change in prior service costs related to benefit plans <sup>2</sup>                         | 52                              |
| Change in actuarial gains related to benefit plans <sup>2</sup>                             | <u>137</u>                      |
| Comprehensive income prior to distribution  | <u>47,707</u>                   |
| Distribution of comprehensive income:   |                                 |
| Dividends paid to member banks  | 817                             |
| Transferred to surplus and change in accumulated other comprehensive loss                   | 443                             |
| Payments to U.S. Treasury as interest on Federal Reserve notes <sup>3</sup>                 | <u>46,447</u>                   |
| Total distribution  | <u>47,707</u>                   |

Note: Unaudited.

<sup>1</sup> The fair value option was elected for all TALF loans. Recording all TALF loans at fair value, rather than at the remaining principal amount outstanding, results in consistent accounting treatment among all TALF-related transactions and provides the most appropriate presentation of the TALF program in the financial statements by matching the change in fair value of TALF loans, the related put agreement with the consolidated TALF LLC, and the valuation of the other beneficial interests in TALF LLC.

<sup>2</sup> Represents the recognition of benefit plan deferred actuarial gains and losses and prior service costs.

<sup>3</sup> The Board of Governors requires each Reserve Bank to distribute any remaining net earnings to the U.S. Treasury as interest on Federal Reserve notes, after providing for the payment of dividends and reservation of an amount necessary to equate surplus with capital paid-in. These distributions are made weekly based on estimated net earnings for the preceding week. The amount of each Bank's weekly distribution to the U.S. Treasury is affected by significant losses and increases in capital paid-in at a Reserve Bank, and requires that the Reserve Bank retain net earnings until the surplus is equal to the capital paid-in. The distributions to the U.S. Treasury are reported on an accrual basis; actual payments to the U.S. Treasury during the period from January 1, 2012, through June 30, 2012, were \$44.2 billion. (Actual payments to the U.S. Treasury were originally reported as \$44.5 billion, but this number has been corrected.)

Annual Report, available at [www.federalreserve.gov/publications/annual-report/default.htm](http://www.federalreserve.gov/publications/annual-report/default.htm). As required by the Dodd-Frank Act, the Federal Reserve posted an audit webpage on December 3, 2010. This page will be updated as reports and other information become available. More information can be found at [www.federalreserve.gov/newsevents/reform\\_audit.htm](http://www.federalreserve.gov/newsevents/reform_audit.htm).

## Combined Statement of Income and Comprehensive Income

Table 22 presents unaudited combined Reserve Bank income and expense information for the first half of 2012. Tables 23 through 25 present information for the SOMA portfolio, the Federal Reserve loan programs, and the variable interest entities (VIEs)—Maiden Lane, Maiden Lane II, and Maiden Lane III LLCs; and TALF LLC—for the period from January 1, 2012, to June 30, 2012. These tables are updated quarterly.

## SOMA Financial Summary

Table 23 shows the Federal Reserve's average daily balance of assets and liabilities in the SOMA portfolio for the period from January 1, 2012, through June 30, 2012, the related interest income and expense, and the realized and unrealized gains and losses for the year to date. Treasury securities, GSE debt securities, as well as federal agency and GSE MBS making up the SOMA portfolio, are recorded at amortized cost on a settlement-date basis, rather than using a fair value presentation. The amortized cost presentation more appropriately reflects the Reserve Banks' purpose for holding these securities given the Federal Reserve's unique responsibility to conduct monetary policy.

Although the fair value of security holdings can be substantially greater than or less than the recorded value at any point in time, these unrealized gains or

**Table 23. SOMA financial summary**

Millions of dollars

|  | January 1, 2012 – June 30, 2012 |                           |                         |                           |               |
|--|---------------------------------|---------------------------|-------------------------|---------------------------|---------------|
|  | Average daily balance           | Interest income (expense) | Realized gains (losses) | Unrealized gains (losses) | Net earnings  |
| <i>SOMA assets</i>   |                                 |                           |                         |                           |               |
| U.S. Treasury securities <sup>1</sup>  | 1,764,329                       | 23,368                    | 5,498                   | —                         | 28,866        |
| Government-sponsored enterprise debt securities <sup>1</sup>                               | 100,880                         | 1,369                     | —                       | —                         | 1,369         |
| Federal agency and government-sponsored enterprise mortgage-backed securities <sup>2</sup> | 861,205                         | 16,581                    | 129                     | —                         | 16,710        |
| Investments denominated in foreign currencies <sup>3</sup>                                 | 25,593                          | 76                        | —                       | (756)                     | (680)         |
| Central bank liquidity swaps <sup>4</sup>  | 59,329                          | 180                       | —                       | —                         | 180           |
| Securities purchased under agreements to resell  | —                               | —                         | —                       | —                         | —             |
| Other assets <sup>5</sup>  | 66                              | 3                         | —                       | —                         | 3             |
| <b>Total assets</b>  | <b>2,811,402</b>                | <b>41,577</b>             | <b>5,627</b>            | <b>(756)</b>              | <b>46,448</b> |
| <i>SOMA liabilities</i>  |                                 |                           |                         |                           |               |
| Securities sold under agreements to repurchase   | 89,573                          | (56)                      | —                       | —                         | (56)          |
| Other liabilities <sup>6</sup>   | 1,457                           | —                         | —                       | —                         | —             |
| <b>Total liabilities</b>   | <b>91,030</b>                   | <b>(56)</b>               | <b>—</b>                | <b>—</b>                  | <b>(56)</b>   |
| <b>SOMA assets and liabilities</b>   | <b>2,720,372</b>                | <b>41,521</b>             | <b>5,627</b>            | <b>(756)</b>              | <b>46,392</b> |

Note: Unaudited. Components may not sum to totals because of rounding.

<sup>1</sup> Face value, net of unamortized premiums and discounts.

<sup>2</sup> Guaranteed by Fannie Mae, Freddie Mac, and Ginnie Mae. Current face value of the securities, which is the remaining principal balance of the underlying mortgages, net of premiums and discounts. Does not include unsettled transactions.

<sup>3</sup> Includes accrued interest. Investments denominated in foreign currencies are revalued daily at market exchange rates.

<sup>4</sup> Dollar value of foreign currency held under these agreements valued at the exchange rate to be used when the foreign currency is returned to the foreign central bank. This exchange rate equals the market exchange rate used when the foreign currency was acquired from the foreign central bank.

<sup>5</sup> Cash and short-term investments related to the federal agency and GSE MBS portfolio.

<sup>6</sup> Represents the obligation to return cash margin posted by counterparties as collateral under commitments to purchase and sell federal agency and GSE MBS, as well as obligations that arise from the failure of a seller to deliver securities on the settlement date.

losses have no effect on the ability of the Reserve Banks to meet their financial obligations and responsibilities. As of June 30, 2012, the fair value of the Treasury securities held in the SOMA, excluding accrued interest, was \$1,965 billion (amortized cost was \$1,779 billion); the fair value of the federal agency and GSE MBS, excluding accrued interest, was \$917 billion (amortized cost was \$870 billion); the fair value of the GSE debt, excluding accrued interest, was \$101 billion (amortized cost was \$95 billion); and the fair value of investments denominated in foreign currencies was \$25 billion (amortized cost was \$25 billion). Fair value was determined by reference to quoted prices for identical securities, except for MBS, for which market values are determined using a model-based approach based on observable inputs for similar securities.

The FRBNY conducts purchases and sales of U.S. government securities under authorization and direction from the FOMC. The FRBNY buys and sells securities at market prices from securities dealers and foreign and international account holders. The FOMC has also authorized the FRBNY to purchase and sell U.S. government securities under agreements to resell or repurchase such securities (commonly referred to as repurchase and reverse repurchase transactions).

The SOMA holds foreign currency deposits and foreign government debt instruments denominated in foreign currencies with foreign central banks and the Bank for International Settlements. Central bank

liquidity swaps are the foreign currencies that the Federal Reserve acquires and records as an asset (excluding accrued interest) on the Federal Reserve's balance sheet. On January 5, 2009, the Federal Reserve began purchasing MBS guaranteed by Fannie Mae, Freddie Mac, and Ginnie Mae. Transactions in MBS are recorded on settlement dates, which can extend several months into the future. MBS dollar roll transactions consist of a purchase or sale of TBA MBS combined with an agreement to sell or purchase TBA MBS on a specified future date. Beginning on June 28, 2010, the Federal Reserve entered into a limited number of coupon swaps, which are trades with a single counterparty in which the Federal Reserve agrees to simultaneously sell TBA MBS in one coupon and to buy an equal face value of TBA MBS in a different coupon. MBS dollar roll and coupon swaps transactions may generate realized gains and losses.

## Loan Programs Financial Summary

Table 24 summarizes the average daily loan balances and interest income of the Federal Reserve during the first half of 2012. The most significant loan balance is the TALF, which generated interest income of about \$62 million during this period. All loans must be fully collateralized to the satisfaction of the lending Reserve Bank, with an appropriate haircut applied to the collateral. At June 30, 2012, no loans were impaired, and an allowance for loan losses was not required.

**Table 24. Loan programs financial summary**

Millions of dollars

| Loan programs <sup>1</sup>  | January 1, 2012 – June 30, 2012 |                 |   |           |
|---|---------------------------------|-----------------|---|-----------|
|   | Average daily balance           | Interest income | Provision for loan losses and restructuring | Total     |
| Loans to depository institutions  | 34                              | —               | —   | —         |
| Credit extended to American International Group, Inc. (AIG), net <sup>1</sup> | —                               | —               | —   | —         |
| Term Asset-Backed Securities Loan Facility (TALF) <sup>2</sup>                | 6,989                           | 62              | —   | 62        |
| Total other loans   | 6,989                           | 62              | —   | 62        |
| <b>Total loan programs</b>  | <b>7,023</b>                    | <b>62</b>       | <b>—</b>                                    | <b>62</b> |
| Allowance for loan losses   | —                               | —               | —   | —         |
| <b>Total loan programs net</b>  | <b>7,023</b>                    | <b>62</b>       | <b>—</b>                                    | <b>62</b> |

Note: Unaudited. Components may not sum to totals because of rounding.

<sup>1</sup> Does not include loans to consolidated VIEs.

<sup>2</sup> Book value.

**Table 25. Consolidated Variable Interest Entities Financial Summary**

Millions of dollars

| Item   | TALF LLC | ML LLC | ML II LLC | ML III LLC | Total Maiden Lane LLCs |
|--|----------|--------|-----------|------------|------------------------|
| <i>Net portfolio assets of the consolidated LLCs and the net position of FRBNY and subordinated interest holders as of June 30, 2012</i>   |          |        |           |            |                        |
| Net portfolio assets <sup>1</sup>  | 845      | 2,995  | 18        | 13,424     | 16,436                 |
| Liabilities of consolidated LLCs   | 0        | (548)  | 0         | (2)        | (550)                  |
| Net portfolio assets available   | 845      | 2,447  | 18        | 13,422     | 15,886                 |
| Loans extended to the consolidated LLCs by FRBNY <sup>2</sup>  | 0        | 0      | 0         | 0          | 0                      |
| Other beneficial interests <sup>2,3</sup>  | 111      | 1,100  | 0         | 5,555      | 6,655                  |
| Total loans and other beneficial interests   | 111      | 1,100  | 0         | 5,555      | 6,655                  |
| Cumulative change in net assets since the inception of the programs  |          |        |           |            |                        |
| Allocated to FRBNY   | 59       | 1,347  | 15        | 5,271      | 6,633                  |
| Allocated to other beneficial interests  | 675      | 0      | 3         | 2,596      | 2,599                  |
| Cumulative change in net assets  | 734      | 1,347  | 18        | 7,867      | 9,232                  |
| <i>Summary of consolidated VIE net income for the current year through June 30, 2012, including a reconciliation of total consolidated VIE net income to the consolidated VIE net income recorded by FRBNY</i> |          |        |           |            |                        |
| Portfolio interest income <sup>4</sup>   | 0        | 32     | 52        | 928        | 1,012                  |
| Interest expense on loans extended by FRBNY <sup>5</sup>   | 0        | (10)   | (11)      | (46)       | (67)                   |
| Interest expense—other   | (2)      | (36)   | (7)       | (90)       | (133)                  |
| Portfolio holdings gains (losses)  | 0        | 491    | 1,350     | 4,634      | 6,475                  |
| Professional fees  | 0        | (7)    | (1)       | (9)        | (17)                   |
| Net income (loss) of consolidated LLCs   | (2)      | 470    | 1,383     | 5,417      | 7,270                  |
| Less: Net income (loss) allocated to other beneficial interests  | 6*       | 0      | 230       | 1,788      | 2,018                  |
| Net income (loss) allocated to FRBNY   | (8)      | 470    | 1,152     | 3,629      | 5,251                  |
| Add: Interest expense on loans extended by FRBNY, eliminated in consolidation <sup>5</sup>   | 0        | 10     | 11        | 46         | 67                     |
| Net income (loss) recorded by FRBNY  | (8)**    | 480    | 1,163     | 3,675      | 5,318                  |

Note: Unaudited. Components may not sum to totals because of rounding.

\* Represents the amount of TALF LLC's income allocated to the U.S. Treasury.

\*\* In addition to the TALF LLC net loss of \$8 million, the FRBNY reported \$39 million of income on TALF loans during the first half of 2012. Income on TALF loans includes interest of \$62 million and loss on the valuation of loans of \$23 million.

<sup>1</sup> TALF LLC, Maiden Lane, Maiden Lane II, and Maiden Lane III holdings are recorded at fair value.

<sup>2</sup> Includes accrued interest.

<sup>3</sup> The other beneficial interest holder related to TALF LLC is the U.S. Treasury. JPMC is the beneficial interest holder for Maiden Lane LLC. AIG is the beneficial interest holder for Maiden Lane II and Maiden Lane III LLCs.

<sup>4</sup> Interest income is recorded when earned, and it includes amortization of premiums, accretion of discounts, and paydown gains and losses.

<sup>5</sup> Interest expense recorded by each VIE on the loans extended by the FRBNY is eliminated when the VIEs are consolidated in the FRBNY's financial statements and, as a result, the consolidated VIEs' net income (loss) recorded by the FRBNY is increased by this amount.

## Consolidated VIEs Financial Summary

Table 25 summarizes the assets and liabilities of various consolidated VIEs previously discussed in this report. It also summarizes the net position of senior and subordinated interest holders and the allocation of the change in net assets to interest holders. The FRBNY is the sole and managing member of TALF LLC and the primary beneficiary of the Maiden Lane LLCs.

Maiden Lane LLC, Maiden Lane II LLC, Maiden Lane III LLC, and TALF LLC holdings are recorded

at fair value, which reflects an estimate of the price that would be received upon selling an asset if the transaction were to be conducted in an orderly market on the measurement date. Consistent with U.S. generally accepted accounting principles (GAAP), the assets and liabilities of these LLCs have been consolidated with the assets and liabilities of the FRBNY. As a consequence of the consolidation, the extensions of credit from the FRBNY to the LLCs are eliminated.

“Net portfolio assets available” represents the net assets available to beneficiaries of the consolidated VIEs and for repayment of loans extended by the

FRBNY. “Net income (loss) allocated to FRBNY” represents the allocation of the change in net assets and liabilities of the consolidated VIEs available for repayment of the loans extended by the FRBNY and other beneficiaries of the consolidated VIEs. The differences between the fair value of the net assets

available and the face value of the loans (including accrued interest) are indicative of gains or losses that would have been incurred by the beneficiaries if the assets had been fully liquidated at prices equal to the fair value as of June 30, 2012.

# Appendix A

## Additional Information Provided Pursuant to Section 129 of the Emergency Economic Stabilization Act of 2008

In light of improved functioning of financial markets, on February 1, 2010, the Federal Reserve closed the Term Securities Lending Facility (TSLF), Primary Dealer Credit Facility (PDCF), the Commercial Paper Funding Facility (CPFF), and the Asset-Backed Commercial Paper Money Market Mutual Fund Liquidity Facility (AMLF). As of that date, all loans under the TSLF, PDCF, and AMLF had been repaid in full, with interest, in accordance with the terms of each facility, and each of the facilities resulted in no loss to the Federal Reserve or taxpayers. All remaining commercial paper holdings of the CPFF matured on April 26, 2010, and the CPFF LLC was dissolved on August 30, 2010, following the payment of expenses and the termination or expiration of existing contractual agreements. The CPFF did not result in any loss to the Federal Reserve or taxpayers.

AIG, on September 30, 2010, announced a comprehensive recapitalization plan designed to restructure the assistance provided by the U.S. government to the company. The company completed the Recapitalization on January 14, 2011. At closing of the Recapitalization, AIG repaid in full the amount then outstanding under the revolving credit facility established by the FRBNY, including all accrued interest and fees. The FRBNY also received the full amount, including all accrued dividends, of the SPV Preferred Interests in AIA Aurora LLC and ALICO Holdings LLC, two SPVs formed as part of the March 2009 restructuring of the U.S. government's assistance. The FRBNY received the SPV Preferred Interests as part of the March 2009 restructuring in exchange for an equivalent reduction of the amount of debt then outstanding on the revolving credit facility. As part of the Recapitalization, AIG redeemed a portion of the FRBNY's SPV Preferred

Interests with cash proceeds from asset dispositions, and purchased the remaining SPV Preferred Interests, valued at approximately \$20 billion, from the FRBNY through a draw on the Treasury's Series F preferred stock commitment. AIG then transferred the SPV Preferred Interests purchased from the FRBNY to the Treasury as consideration for the draw on the available Series F funds. At the time of the closing, the collateral backing the remaining SPV Preferred Interests received by the Treasury had an estimated value of more than \$25 billion. The revolving credit facility, and the SPV Preferred Interests held by the FRBNY in connection with the revolving credit facility, did not result in any loss to the Federal Reserve or taxpayers.

On March 1, 2012, the loan from the FRBNY to Maiden Lane II LLC was repaid in full, with interest, in accordance with the terms of the facility. This loan did not result in any loss to the Federal Reserve or taxpayers. The FRBNY has announced that the Maiden Lane II facility resulted in a net gain of approximately \$2.8 billion for the benefit of the U.S. public.

On June 14, 2012, the loans from the FRBNY to Maiden Lane LLC and Maiden Lane III LLC were repaid in full, with interest, in accordance with the terms of the respective facilities. These loans did not result in any loss to the Federal Reserve or taxpayers. The FRBNY, through its outside advisors, will continue to sell the remaining assets from the Maiden Lane LLC and Maiden Lane III LLC portfolios as market conditions warrant and if the sales represent good value for the public. There is no fixed time-frame for these sales. Under the terms of the Maiden Lane LLC agreements, proceeds from future sales in Maiden Lane LLC would be used to retire the subordinated loan extended by JPMorgan Chase & Co., after which the FRBNY would receive all residual proceeds. Under the terms of the Maiden Lane III LLC agreements, the FRBNY would receive  $\frac{2}{3}$  of residual proceeds from future sales of any remaining Maiden Lane III LLC assets.

For the reasons discussed below, the Board does not anticipate that the Federal Reserve or taxpayers will incur any net loss on the loans provided by the FRBNY under the Term Asset-Backed Securities Loan Facility (TALF). In making this assessment, the Board has considered, among other things, the terms and conditions governing the facility and the type, nature, and value of the current collateral or other security arrangements.

## TALF

Under the TALF, the FRBNY made loans on a collateralized basis to holders of eligible ABS and CMBS. The potential for the Federal Reserve or taxpayers to incur any net loss on the TALF loans extended by the FRBNY to the holders of ABS and CMBS is mitigated by the quality of the collateral, the risk assessment performed by the FRBNY on all pledged collateral, and the margin by which the value

of the collateral exceeds the amount of the loan (the haircut). Potential losses to the Federal Reserve also are mitigated by the portion of interest on the TALF loans to borrowers transferred to TALF LLC and by the credit protection provided by the Treasury under the TARP (currently \$1.4 billion), both of which are available to TALF LLC to purchase any collateral received by the FRBNY from a borrower in lieu of repaying a TALF loan or foreclosed upon due to a default by the borrower.<sup>7</sup> All TALF loans were extended by the FRBNY and will mature over the next several years, with all loans maturing no later than March 30, 2015.

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<sup>7</sup> The amount of credit protection provided by the TARP was initially \$20 billion, was subsequently reduced to \$4.3 billion in light of the \$43 billion in TALF loans outstanding when the TALF closed to new lending on June 30, 2010, and was further reduced to \$1.4 billion on June 28, 2012, consistent with the reduction in TALF loans that remain outstanding as the program winds down.

## Appendix B

### Information about Closed and Expired Credit and Liquidity Facilities and Programs

During the financial crisis that emerged during the summer of 2007, the Federal Reserve took a number of important steps aimed at providing liquidity to important financial markets and institutions to support overall financial stability. Financial stability is a critical prerequisite for achieving sustainable economic growth, and all of the Federal Reserve's actions were directed toward achieving the Federal Reserve's statutory monetary policy objectives. Specifically, the Federal Reserve implemented a number of programs designed to support the liquidity of financial institutions and foster improved conditions in financial markets, and also extended credit to certain specific institutions and committed to extend credit to support systemically important financial firms. Broad-based facilities were open to participants that met clearly outlined eligibility criteria; participation in them reflected the severe market disruptions during the financial crisis and generally did not reflect participants' financial weakness.

As financial conditions improved, the need for the broad-based facilities dissipated, and most were closed in 2010. Specifically, on February 1, 2010, the Federal Reserve closed the AMLF, CPFF, the PDCF, and the TSLF. On April 26, 2010, all remaining commercial paper holdings of the CPFF matured, and the CPFF LLC was dissolved on August 30, 2010, following the payment of expenses and the termination or expiration of existing contractual agreements. Also in April 2010, the credit extended through the last Term Auction Facility (TAF) auction in March matured, marking the close of that facility.

The temporary liquidity swap arrangements between the Federal Reserve and other FCBs also expired on February 1, 2010. However, the Federal Reserve re-established temporary liquidity swap arrangements with a group of FCBs in May 2010 and subsequently authorized further extensions of these

arrangements, which enabled the FCBs to offer U.S. dollar liquidity to financial institutions in their jurisdictions. These arrangements are currently authorized through February 1, 2013. In November 2011, as a contingency measure, the FOMC agreed to establish temporary bilateral liquidity swap arrangements with five FCBs. Information related to these arrangements can be found in the body of this report.

As part of AIG's Recapitalization plan, completed on January 14, 2011, AIG fully repaid the amount outstanding under the revolving credit facility, including all accrued interest and fees, extended by the Federal Reserve; the Federal Reserve received the full amount, including all accrued dividends, of the preferred interests in AIA Aurora LLC and ALICO Holdings LLC; and the Federal Reserve's commitment to lend any further funds to the company was terminated. Additional information can be found in the body of this report.

On March 1, 2012, the senior loan from the FRBNY to Maiden Lane II LLC was repaid in full, with interest. Later that month, the subordinated position (in the form of a fixed deferred purchase price) held by insurance subsidiaries of AIG in Maiden Lane II LLC was also repaid in full, with interest, and residual proceeds from sales of assets in the Maiden Lane II LLC portfolio were distributed in accordance with the LLC's agreements. The FRBNY announced that the transactions generated a net gain of approximately \$2.8 billion, including \$580 million in accrued interest, for the benefit of the U.S. public. A small cash balance remains in Maiden Lane II LLC in order to meet trailing expenses and other obligations.

The Federal Reserve followed sound risk-management practices in administering all of these programs, incurred no credit losses on programs that have been wound down, and expects to incur no credit losses on the few remaining programs. The Federal Reserve is committed to transparency and has previously provided extensive aggregate information on its liquidity and credit programs in this and other reports. Background information about the

closed and expired facilities previously included in this appendix, as well as detailed information on individual loans under the TAF and PDCF, including the identities of borrowers and descriptions of pledged collateral; detailed information on the commercial paper purchased by the CPFF, including the identities of issuers and the issuers' parents/sponsors; detailed information on AMLF loans, including the identities of money market mutual funds (MMMFs) that sold asset-backed commercial paper (ABCP) that was used as AMLF collateral; and information about the support provided to AIG, Citigroup, and Bank of America, is available on the Federal Reserve's public website. This detailed data can be downloaded in multiple formats at [www.federalreserve.gov/newsevents/reform\\_transaction.htm](http://www.federalreserve.gov/newsevents/reform_transaction.htm). Information about the single-tranche 28-day term repurchase agreements announced on March 7, 2008, and conducted by the

Federal Reserve between March and December 2008 are available at [www.newyorkfed.org/markets/fast\\_facts\\_stomo.html](http://www.newyorkfed.org/markets/fast_facts_stomo.html).

Historical data related to these facilities, previously reported on the H.4.1 statistical release, "Factors Affecting Reserve Balances of Depository Institutions and Condition Statement of Federal Reserve Banks," which includes the weekly publication of the Federal Reserve's balance sheet, is available through the Data Download Program, available at [www.federalreserve.gov/datadownload](http://www.federalreserve.gov/datadownload). The Data Download Program provides interactive access to Federal Reserve statistical data in a variety of formats. For prior editions of this report and other resources, please visit the Board's public website at [www.federalreserve.gov/monetarypolicy/clbsreports.htm](http://www.federalreserve.gov/monetarypolicy/clbsreports.htm).

# Appendix C

## Federal Reserve Disclosure Requirements and Other Provisions of the Dodd-Frank Wall Street Reform and Consumer Protection Act of 2010

On July 21, 2010, the Dodd-Frank Act was signed into law.<sup>8</sup> The Dodd-Frank Act included changes designed to promote transparency while protecting monetary policy independence and the efficacy of the Federal Reserve's liquidity programs and OMOs. In addition, the Dodd-Frank Act modified the Federal Reserve's authority to provide emergency liquidity to nondepository institutions under Section 13(3) of the Federal Reserve Act in light of other amendments that provide the U.S. government with new authority to resolve failing, systemically important nonbank financial institutions in an orderly manner.

As provided by the Dodd-Frank Act, on December 1, 2010, the Federal Reserve posted to its public website detailed information about entities that received loans or other financial assistance under a Section 13(3) credit facility between December 1, 2007, and July 21, 2010, and about persons or entities that participated in the agency MBS purchase program, used foreign currency liquidity swap lines, or borrowed through the TAF during that time frame. This disclosure includes more than 21,000 individual credit and other transactions conducted to stabilize markets during the financial crisis, restore the flow of credit to American families and businesses, and support

economic recovery and job creation in the aftermath of the crisis. The Federal Reserve's disclosure about these transactions is available at [www.federalreserve.gov/newsevents/reform\\_transaction.htm](http://www.federalreserve.gov/newsevents/reform_transaction.htm).

As required by the Dodd-Frank Act, the Federal Reserve also posted an audit webpage, available at [www.federalreserve.gov/newsevents/reform\\_audit.htm](http://www.federalreserve.gov/newsevents/reform_audit.htm). This page will be updated as reports and other information become available.

The Dodd-Frank Act also established a framework for the delayed disclosure of information on entities that, after July 21, 2010, received a loan from the discount window under Section 10B of the Federal Reserve Act or from a Section 13(3) facility, or participated in OMO transactions. Generally, this framework requires the Federal Reserve to publicly disclose certain information about these discount window borrowers and OMO counterparties approximately two years after the relevant loan or transaction; information about borrowers under future Section 13(3) facilities will be disclosed one year after the authorization for the facility is terminated. Information to be disclosed will include the names and identifying details of each borrower or counterparty, the amount borrowed, the interest rate paid, and information identifying the types and amounts of collateral pledged or assets transferred in connection with the borrowing or transaction.

Going forward, any emergency lending programs and facilities authorized by the Federal Reserve under Section 13(3) of the Federal Reserve Act must have broad-based eligibility, and must be approved by the Secretary of the Treasury.

<sup>8</sup> The full text of the Dodd-Frank Act is available at [www.gpo.gov/fdsys/pkg/BILLS-111hr4173enr/pdf/BILLS-111hr4173enr.pdf](http://www.gpo.gov/fdsys/pkg/BILLS-111hr4173enr/pdf/BILLS-111hr4173enr.pdf).