BANK OF AMERICA CORP /DE/
Form 10-Q
May 07, 2013

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549
FORM 10-Q
(Mark One)
[ü] QUARTERLY REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934
For the Quarterly Period Ended March 31, 2013
or
[ ] TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES
EXCHANGE ACT OF 1934
For the transition period from to
Commission file number:
1-6523
Exact Name of Registrant as Specified in its Charter:
Bank of America Corporation
State or Other Jurisdiction of Incorporation or Organization:
Delaware
IRS Employer Identification Number:
56-0906609
Address of Principal Executive Offices:
Bank of America Corporate Center
100 N. Tryon Street
Charlotte, North Carolina 28255
Registrant's telephone number, including area code:
(704) 386-5681

Former name, former address and former fiscal year, if changed since last report:
Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15 (d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. Yes ü No
Indicate by check mark whether the registrant has submitted electronically and posted on its corporate Web site, if any, every Interactive Data File required to be submitted and posted pursuant to Rule 405 of Regulation S-T (§ 232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit and post such files).
Yesü No
Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, or a smaller reporting company. See the definitions of "large accelerated filer," "accelerated filer" and "smaller reporting company" in Rule 12b-2 of the Exchange Act (check one).

Non-accelerated filer
Large accelerated filer ü Accelerated filer (do not check if a smaller Smaller reporting company reporting company)
Indicate by check mark whether the registrant is a shell company (as defined in Exchange Act Rule 12b-2).
Yes Noü

On May 3, 2013, there were 10,780,377,285 shares of Bank of America Corporation Common Stock outstanding.
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March 31, 2013
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## Item 2. MANAGEMENT'S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATIONS

This report on Form 10-Q, the documents that it incorporates by reference and the documents into which it may be incorporated by reference may contain, and from time to time Bank of America Corporation (collectively with its subsidiaries, the Corporation) and its management may make certain statements that constitute forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995. These statements can be identified by the fact that they do not relate strictly to historical or current facts. Forward-looking statements often use words such as "expects," "anticipates," "believes," "estimates," "targets," "intends," "plans," "goal" and other similar expressions or future or conditional verbs such as "will," "may," "might," "should," "would" and "could." The forward-looking statements made represent the current expectations, plans or forecasts of the Corporation regarding the Corporation's future results and revenues, and future business and economic conditions more generally, including statements concerning: expectations regarding the effects of U.S. budget sequestration; expectations regarding the anticipated transfers of, and the possibility of future additional agreements to sell, mortgage servicing rights; expectations regarding planned actions pursuant to the Corporation's capital plan; the expectation that borrower assistance programs will not result in any incremental credit provision and that the existing allowance for credit losses is adequate to absorb any costs that have not already been recorded as charge-offs; expectations of achieving cost savings as a result of Project New BAC of $\$ 8$ billion per year on an annualized basis, or $\$ 2$ billion per quarter, by mid-2015, with $\$ 1.5$ billion in quarterly cost savings achieved by the fourth quarter of 2013; that the Corporation may purchase outstanding debt instruments depending on prevailing market conditions, liquidity and other factors; expectations regarding the timing and impact of proposed U.K. corporate income tax rate reductions; the expectation that unresolved repurchase claims related to private-label securitizations will continue to increase; the resolution of representation and warranties repurchase and other claims; the belief that increases in requests for loan files from certain private-label securitization trustees and requests for tolling agreements to toll the applicable statutes of limitation related to representations and warranties repurchase claims will likely lead to an increase in repurchase claims from private-label securitization trustees with standing to bring such claims; expectations regarding the MBIA Settlement, the payments to be made thereunder, the claims to be extinguished by the settlement and the actions to be taken by the parties in furtherance thereof; beliefs and expectations concerning the impact of the National Mortgage Settlement, including the impact of uniform servicing standards; the substance and timing of the final rules implementing Basel 3; the expectation that the Corporation will comply with the final Basel 3 rules when issued and effective; that estimates under the Basel 3 Advanced Approach will be refined over time as a result of further rulemaking or clarification by U.S. banking regulators and as the Corporation's understanding and interpretation of the rules evolve; that the final rules when adopted and fully implemented are likely to influence regulatory capital and liquidity planning processes and may impose additional operational and compliance costs on the Corporation; that, if the Corporation's analytical models for capital measurement under Basel 3 are not approved by the U.S. regulatory agencies, it would likely lead to an increase in the Corporation's risk-weighted assets, which in some cases could be significant; that the Basel 3 Advanced Approach, if adopted as proposed, is expected to substantially increase the Corporation's capital requirements; expectations regarding preferred dividends; the Corporation's belief that it can quickly obtain cash for certain securities, even in stressed market conditions, through repurchase agreements or outright sales; the Corporation's belief that a portion of structured liability obligations will remain outstanding beyond the earliest put or redemption date; the Corporation's anticipation that debt levels will decline due to maturities through 2013; expectations regarding loans in the pay option portfolio; effects of the ongoing debt crisis in certain EU countries, including the expectation of continued market volatility, the expectation that the Corporation will continue to support client activities in the region and that exposures may vary over time as the Corporation monitors the situation and manages its risk profile; the expectation that, absent unexpected deterioration in the economy, there will be reductions in the allowance for credit losses; the expectation that the maximum potential exposure for chargebacks would not exceed the total amount of merchant transactions processed through Visa, MasterCard and Discover for the last six months; and other matters relating to the Corporation and the securities that it may offer from time to time or steps it may take to manage the risk of these securities. The foregoing is not an exclusive list of all forward-looking

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statements the Corporation makes. These statements are not guarantees of future results or performance and involve certain risks, uncertainties and assumptions that are difficult to predict and are often beyond the Corporation's control. Actual outcomes and results may differ materially from those expressed in, or implied by, any of these forward-looking statements.

You should not place undue reliance on any forward-looking statement and should consider the following uncertainties and risks, as well as the risks and uncertainties more fully discussed elsewhere in this report, under Item 1A. Risk Factors of the Corporation's 2012 Annual Report on Form 10-K, and in any of the Corporation's subsequent Securities and Exchange Commission filings: the Corporation's ability to resolve representations and warranties repurchase claims made by monolines and private-label and other investors, including as a result of any adverse court rulings, and the chance that the Corporation could face related servicing, securities, fraud, indemnity or other claims from one or more of the government-sponsored enterprises, monolines or private-label and other investors; the possibility that future representations and warranties losses may occur in excess of the Corporation's recorded liability and estimated range of possible loss for its representations and warranties exposures; the possibility that the Corporation may not collect mortgage insurance claims; the possible impact of a future FASB standard on accounting for credit losses; uncertainties about the financial stability of several countries in the EU, the increasing risk that those countries may default on their sovereign debt or exit the EU and related stresses on financial markets, the Euro and the EU and the Corporation's exposures to such risks, including direct, indirect and operational; the possibility of future inquiries or investigations regarding pending or completed foreclosure activities; the uncertainty regarding the timing and final substance of any capital or liquidity standards, including the final Basel 3 requirements and their

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implementation for U.S. banks through rulemaking by the Federal Reserve, including anticipated requirements to hold higher levels of regulatory capital, liquidity and meet higher regulatory capital ratios as a result of final Basel 3 or other capital or liquidity standards; the negative impact of the Financial Reform Act on the Corporation's businesses and earnings, including as a result of additional regulatory interpretation and rulemaking and the success of the Corporation's actions to mitigate such impacts; adverse changes to the Corporation's credit ratings from the major credit rating agencies; estimates of the fair value of certain of the Corporation's assets and liabilities; unexpected claims, damages and fines resulting from pending or future litigation and regulatory proceedings; the Corporation's ability to fully realize the cost savings and other anticipated benefits from Project New BAC, including in accordance with currently anticipated timeframes; and other similar matters.

Forward-looking statements speak only as of the date they are made, and the Corporation undertakes no obligation to update any forward-looking statement to reflect the impact of circumstances or events that arise after the date the forward-looking statement was made.

Notes to the Consolidated Financial Statements referred to in the Management's Discussion and Analysis of Financial Condition and Results of Operations (MD\&A) are incorporated by reference into the MD\&A. Certain prior period amounts have been reclassified to conform to current period presentation. Throughout the MD\&A, the Corporation uses certain acronyms and abbreviations which are defined in the Glossary.

## Executive Summary

## Business Overview

The Corporation is a Delaware corporation, a bank holding company and a financial holding company. When used in this report, "the Corporation" may refer to Bank of America Corporation individually, Bank of America Corporation and its subsidiaries, or certain of Bank of America Corporation's subsidiaries or affiliates. Our principal executive offices are located in Charlotte, North Carolina. Through our banking and various nonbanking subsidiaries throughout the U.S. and in international markets, we provide a diversified range of banking and nonbanking financial services and products through five business segments: Consumer \& Business Banking (CBB), Consumer Real Estate Services (CRES), Global Banking, Global Markets and Global Wealth \& Investment Management (GWIM), with the remaining operations recorded in All Other. We operate our banking activities primarily under two national bank charters: Bank of America, National Association (Bank of America, N.A. or BANA) and FIA Card Services, National Association (FIA Card Services, N.A. or FIA). At March 31, 2013, the Corporation had approximately $\$ 2.2$ trillion in assets and approximately 263,000 full-time equivalent employees.

As of March 31, 2013, we operated in all 50 states, the District of Columbia and more than 40 countries. Our retail banking footprint covers approximately 80 percent of the U.S. population and we serve approximately 52 million consumer and small business relationships with approximately 5,400 banking centers, 16,300 ATMs, nationwide call centers, and leading online and mobile banking platforms. We offer industry-leading support to more than three million small business owners. We are a global leader in corporate and investment banking and trading across a broad range of asset classes serving corporations, governments, institutions and individuals around the world.

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Table 1 provides selected consolidated financial data for the three months ended March 31, 2013 and 2012, and at March 31, 2013 and December 31, 2012.

Table 1
Selected Financial Data

| (Dollars in millions, except per share information) | 2013 | 2012 |
| :--- | :--- | :--- |
| Income statement $^{\text {Revenue, net of interest expense (FTE basis) }}{ }^{(1)}$ | $\$ 23,408$ | $\$ 22,485$ |
| Net income $_{\text {Diluted earnings per common share }}^{1,483}$ | 653 |  |
| Dive | 0.10 | 0.03 |


| Dividends paid per common share | 0.01 | 0.01 |
| :--- | :--- | :--- |

Performance ratios
Return on average assets $\quad 0.27 \quad \% \quad 0.12 \quad \%$
$\begin{array}{lll}\text { Return on average tangible shareholders' equity }{ }^{(1)} & 3.69 & 1.67\end{array}$
Efficiency ratio (FTE basis) ${ }^{(1)} \quad 83.31$
85.13

Asset quality
Allowance for loan and lease losses at period end
\$22,441 \$32,211
Allowance for loan and lease losses as a percentage of total loans and leases outstanding at period end ${ }^{(2)}$
Nonperforming loans, leases and foreclosed properties at period end ${ }^{(2)}$
2.49 \% 3.61 \%

Net charge-offs ${ }^{(3)}$
\$22,842 \$27,790
Annualized net charge-offs as a percentage of average loans and leases outstanding $(2,3)$
Annualized net charge-offs as a percentage of average loans and leases outstanding,
excluding the purchased credit-impaired loan portfolio ${ }^{(2)}$
2,517 4,056
1.14 \% 1.80 \%
$1.18 \quad 1.87$
Annualized net charge-offs and purchased credit-impaired write-offs as a percentage of average loans and leases outstanding $(2,4)$

| Ratio of the allowance for loan and lease losses at period end to annualized net |
| :--- |
| charge-offs ${ }^{(3)}$ |$\quad 2.20 \quad 1.97$

Ratio of the allowance for loan and lease losses at period end to annualized net charge-offs, excluding the purchased credit-impaired loan portfolio
Ratio of the allowance for loan and lease losses at period end to annualized net charge-offs and purchased credit-impaired write-offs ${ }^{(4)}$

|  | March 31 <br> Balance sheet <br> Total loans and leases | December 31 <br> 2013 |
| :--- | :--- | :--- |
| Total assets |  |  |
| Total deposits | $\$ 911,592$ | $\$ 907,819$ |
| Total common shareholders' equity | $2,174,819$ | $2,209,974$ |
| Total shareholders' equity | $1,095,183$ | $1,105,261$ |
| Capital ratios (5) | 218,513 | 218,188 |
| Tier 1 common capital | 237,293 | 236,956 |
| Tier 1 capital |  |  |
| Total capital | 10.49 | $\%$ |
| Tier 1 leverage | 12.22 | 12.06 |
| (1) | 15.50 | 16.31 |

Fully taxable-equivalent (FTE) basis, return on average tangible shareholders' equity and the efficiency ratio are non-GAAP financial measures. Other companies may define or calculate these measures differently. For additional information on these measures and ratios, and a corresponding reconciliation to GAAP financial measures, see Supplemental Financial Data on page 16.
Balances and ratios do not include loans accounted for under the fair value option. For additional exclusions from nonperforming loans, leases and foreclosed properties, see Consumer Portfolio Credit Risk Management -
${ }^{(2)}$ Nonperforming Consumer Loans and Foreclosed Properties Activity on page 89 and corresponding Table 38, and Commercial Portfolio Credit Risk Management - Nonperforming Commercial Loans, Leases and Foreclosed Properties Activity on page 98 and corresponding Table 47.
Net charge-offs exclude $\$ 839$ million of write-offs in the purchased credit-impaired loan portfolio for the three months ended March 31, 2013. These write-offs decreased the purchased credit-impaired valuation allowance
${ }^{(3)}$ included as part of the allowance for loan and lease losses. For information on purchased credit-impaired write-offs, see Consumer Portfolio Credit Risk Management - Purchased Credit-impaired Loan Portfolio on page 83.
${ }^{(4)}$ There were no write-offs of purchased credit-impaired loans in the three months ended March 31, 2012.
(5) Presents capital ratios in accordance with the Basel 1-2013 Rules, which includes the Market Risk Final Rule at March 31, 2013. Basel 1 did not include the Basel 1-2013 Rules at December 31, 2012.

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First Quarter 2013 Economic and Business Environment
In the U.S., economic growth accelerated in the first quarter of 2013 and many key economic factors continued to gradually improve. With economic growth suppressed in the fourth quarter of 2012 by a combination of weather-related events and an unusually sharp decline in federal defense expenditures, some acceleration had been anticipated, but actual economic performance exceeded consensus expectations in the first quarter, especially in light of fiscal cliff related anxiety. Consumer spending advanced at its most rapid pace in at least two years, with strong merchandise sales even as service spending continued to lag. In addition to the continued improvement of the housing sector and a pickup in business spending, real gross domestic product grew approximately 2.5 percent annualized during the first quarter of 2013. Employment gains were steady during the quarter, while the unemployment rate continued its gradual decline to 7.6 percent at March 31, 2013.

The Board of Governors of the Federal Reserve System (Federal Reserve) continued its $\$ 40$ billion in monthly purchases of agency mortgage-backed securities (MBS), began the $\$ 45$ billion in monthly purchases of long-term U.S. Treasury securities and maintained its forward guidance on interest rates expressed in terms of economic thresholds, which began in December 2012. Following the compromise on the fiscal cliff reached in early 2013, which allowed the two-year reduction in payroll taxes to expire and put in place select income tax rate hikes, attention turned to extending the continuing resolution authorizing federal spending and avoiding the automatic spending cuts (the sequestration) mandated if deficit reduction could not be achieved by other means. The continuing resolution was extended, avoiding any government shutdown and sequestration became effective on March 1, 2013. However, we expect that the impact of sequestration will likely be modest. Despite remaining fiscal uncertainties and international economic difficulties, U.S. equities posted a strong quarter and long-term U.S. Treasury yields rose moderately early in the quarter, but reversed their gains late in the quarter.

International developments in the first quarter of 2013 reflected increased economic momentum. Most European economies continued to contract but at a diminishing pace. As a whole, yield spreads for periphery nations continued to benefit from the 2012 European Central Bank clarification of its role as lender of last resort. Japan's economy also improved as the impacts of a depreciating Yen and expectations of increased monetary accommodation proved beneficial. China's economy exhibited signs of stabilization, while other emerging Asian economies have accelerated. For more information on our international exposure, see Non-U.S. Portfolio on page 104.

## Recent Events

## MBIA Settlement

On May 7, 2013, we entered into our previously announced comprehensive settlement (MBIA Settlement) with MBIA Inc. and certain of its affiliates (MBIA) to resolve all outstanding litigation between the parties, as well as other claims between the parties, including outstanding and potential claims from MBIA related to alleged representations and warranties breaches and other claims involving certain first- and second-lien residential mortgage-backed securities (RMBS) trusts for which MBIA provided financial guarantee insurance, certain of which claims are the subject of litigation. As of March 31, 2013, the mortgages (first- and second-lien) in RMBS trusts covered by the MBIA Settlement had an original principal balance of $\$ 54.8$ billion and an unpaid principal balance of $\$ 19.2$ billion.

Under the MBIA Settlement, all pending litigation between the parties will be dismissed and each party will receive a global release of those claims. The Corporation will make a settlement payment to MBIA of $\$ 1.565$ billion in cash and transfer to MBIA approximately $\$ 95$ million in fair market value of notes issued by MBIA and currently held by the Corporation. In addition, MBIA will issue to the Corporation warrants to purchase up to approximately 4.9 percent of MBIA's currently outstanding common stock, at an exercise price of $\$ 9.59$ per share, which may be exercised at any time prior to May 2018. In addition, we will provide a senior secured $\$ 500$ million credit facility to an affiliate of

MBIA.
The parties will also terminate various credit default swap (CDS) transactions entered into between us and a MBIA-affiliate, LaCrosse Financial Products, LLC, and guaranteed by MBIA, which constitute all of the outstanding CDS protection agreements purchased by us from MBIA on commercial mortgage-backed securities (CMBS). Collectively, those CDS transactions had a notional value of $\$ 7.4$ billion and a fair value of $\$ 813$ million as of March 31, 2013. The parties will also terminate certain other trades in order to close out positions between the parties; the termination of these trades will not have a material impact on the financial statements.

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The cost associated with the MBIA Settlement and related matters is covered by pre-existing reserves and additional charges recorded as of March 31, 2013. Because the MBIA Settlement occurred after quarter end, but before the Corporation filed this Form 10-Q and the MBIA Settlement related to conditions that existed at March 31, 2013, it is considered to be a subsequent event under the applicable accounting guidance. Accordingly, the Corporation recorded approximately $\$ 1.6$ billion of pre-tax additional charges in the first quarter of 2013, of which approximately $\$ 1.3$ billion is litigation expense and $\$ 300$ million is a related receivable write-down recorded in other noninterest income. The litigation expense includes charges related to the MBIA Settlement as well as adjustments to litigation reserves for other monoline matters, primarily as a result of the experience gained in connection with the MBIA Settlement. For additional information, see Global Markets - Sales and Trading Revenue on page 40, Off-Balance Sheet Arrangements and Contractual Obligations - Representations and Warranties on page 45, Commercial Portfolio Credit Risk Management - Monoline Exposure on page 100, Note 8 - Representations and Warranties Obligations and Corporate Guarantees and Note 11 - Commitments and Contingencies to the Consolidated Financial Statements.

## Countrywide RMBS Class Action Settlement

On April 16, 2013, we reached an agreement in principle to settle three class action lawsuits involving certain Countrywide Financial Corporation (Countrywide) entities and various institutional and individual plaintiffs (Maine State Retirement System v. Countrywide Financial Corporation, David H. Luther v. Countrywide Financial Corporation, and Western Conference of Teamsters Pension Trust Fund v. Countrywide Financial Corporation) concerning RMBS issued by subsidiaries of Countrywide (RMBS Settlement).

The first of these class action lawsuits was filed in November 2007, and they collectively concern the disclosures that were made in connection with 429 Countrywide RMBS offerings issued from 2005 through 2007. The original principal balance of the RMBS involved in these cases exceeded $\$ 350$ billion, and the unpaid principal balance of these securities as of February 2013, excluding securities that are the subject of filed or threatened individual actions, was $\$ 95$ billion.

Under the RMBS Settlement, the lawsuits will be dismissed in their entirety and defendants will receive a global release in exchange for a settlement payment of $\$ 500$ million. The settlement will not affect investors' rights to receive trust distributions upon final court approval of the $\$ 8.5$ billion settlement with Bank of New York Mellon, as trustee. The RMBS Settlement is subject to final court approval. There can be no assurance that final court approval of the RMBS Settlement will be obtained or that all conditions to such settlement will be satisfied. If approved, and all class members who have not already filed or threatened individual suits participate, the settlement is expected to resolve approximately 80 percent of the unpaid principal balance of the Countrywide-issued RMBS as to which securities disclosure claims have been filed or threatened, and approximately 70 percent of the unpaid principal balance of all RMBS as to which securities disclosure claims have been filed or threatened as to all Bank of America-related entities. The amounts to be paid in the RMBS Settlement are covered by a combination of pre-existing litigation reserves and additional litigation reserves recorded in the first quarter of 2013.

## Capital and Liquidity Related Matters

On March 14, 2013, the Federal Reserve announced the results of its 2013 Comprehensive Capital Analysis and Review project (CCAR). The Federal Reserve's stress scenario projections for the Corporation estimated a minimum Tier 1 common capital ratio under the Basel 1 - 2013 Rules, which includes the Market Risk Final Rule, based on the 2013 capital plan, of 6.0 percent under severe adverse economic conditions with all proposed capital actions through the end of 2014, exceeding the five percent reference rate for all institutions involved in the CCAR. The capital plan that the Corporation submitted to the Federal Reserve included a request to repurchase up to $\$ 5.0$ billion of common stock over the next four quarters, beginning in the second quarter of 2013, the redemption of approximately $\$ 5.5$ billion in preferred stock and the continuation of the quarterly common stock dividend at $\$ 0.01$ per share. The Federal

Reserve did not object to the Corporation's 2013 capital plan, including all proposed capital actions. On April 1, 2013, a notice of redemption was sent to holders of the Corporation's $8.625 \%$ Non-Cumulative Preferred Stock, Series 8, including holders of depositary shares representing interests therein, to redeem approximately $\$ 2.7$ billion of the Series 8 Preferred Stock on May 28, 2013. On May 1, 2013, pursuant to the capital plan, we redeemed approximately $\$ 2.9$ billion of our $8.20 \%$ Non-Cumulative Preferred Stock, Series H. For additional information, see Capital Management - Regulatory Capital on page 58.

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## Sales of Mortgage Servicing Rights

As previously disclosed, during the first quarter of 2013, Bank of America entered into definitive agreements with three counterparties to sell the servicing rights on certain residential mortgage loans serviced for Fannie Mae (FNMA), Freddie Mac (FHLMC), the Government National Mortgage Association (GNMA) and certain private-label securitizations. In addition, on April 1, 2013, we entered into a definitive agreement with an additional counterparty to sell mortgage servicing rights (MSRs) for additional loans serviced for FNMA. In total, the aggregate unpaid principal balance of these serviced loans is approximately $\$ 327$ billion. The sales involve 2.2 million loans serviced by us as of the applicable contract dates, including approximately 245,000 residential mortgage loans and approximately 24,000 home equity loans that were 60 days or more past due.

The transfers of servicing rights are expected to occur in stages throughout 2013, and began in the first quarter. Certain of the transfers are subject to the approval or consent of certain third parties. There is no assurance that all the required approvals and consents will be obtained, and accordingly, some of these transfers may not be consummated. For additional information, see CRES - Mortgage Servicing Rights on page 35.

## Fannie Mae Settlement

As previously disclosed, on January 6, 2013, we entered into an agreement with FNMA to resolve substantially all outstanding and potential repurchase and certain other claims relating to the origination, sale and delivery of residential mortgage loans originated and sold directly to FNMA from January 1, 2000 through December 31, 2008 by entities related to Countrywide and BANA. As part of this agreement, in the first quarter of 2013, we made a cash payment to FNMA of $\$ 3.6$ billion and also repurchased for $\$ 6.6$ billion certain residential mortgage loans that had previously been sold to FNMA, which we have valued at less than the purchase price. The Corporation was fully reserved at December 31, 2012 for the settlement with FNMA. For additional information, see Note 8 Representations and Warranties Obligations and Corporate Guarantees to the Consolidated Financial Statements and to the Consolidated Financial Statements of the Corporation's 2012 Annual Report on Form 10-K, and Consumer Portfolio Credit Risk Management on page 72.

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Performance Overview
Net income was $\$ 1.5$ billion, or $\$ 0.10$ per diluted share for the three months ended March 31, 2013 compared to $\$ 653$ million, or $\$ 0.03$ per diluted share for the same period in 2012. The following highlights the significant changes.

Net interest income on a fully taxable-equivalent (FTE) basis decreased $\$ 178$ million to $\$ 10.9$ billion for the three months ended March 31, 2013. The decrease was primarily due to the impact of lower consumer loan balances as well as lower asset yields, partially offset by reductions in long-term debt balances, lower rates paid on deposits and improved trading-related net interest income.

Noninterest income increased $\$ 1.1$ billion to $\$ 12.5$ billion for the three months ended March 31, 2013. The most significant drivers of the increase were lower negative fair value adjustments on structured liabilities of $\$ 90$ million compared to $\$ 3.3$ billion and debit valuation adjustment (DVA) losses on derivatives, net of hedges, of $\$ 54$ million compared to $\$ 1.5$ billion for the three months ended March 31, 2013 and 2012. These items were partially offset by $\$ 1.2$ billion of gains related to subordinated debt repurchases and exchanges of trust preferred securities in the year-ago quarter, lower mortgage banking income and lower net gains on sales of debt securities of $\$ 68$ million compared to $\$ 752$ million.

The provision for credit losses decreased $\$ 705$ million to $\$ 1.7$ billion for the three months ended March 31, 2013. The improvement was primarily in the home loans portfolio, due to improved portfolio trends as well as the impact of increased home prices.

Noninterest expense increased $\$ 359$ million for the three months ended March 31, 2013. The most significant driver of the increase was higher litigation expense primarily associated with the MBIA Settlement, partially offset by cost savings associated with Project New BAC initiatives to streamline processes.

Income tax expense was $\$ 501$ million on $\$ 2.0$ billion of pre-tax income for the three months ended March 31, 2013 compared to $\$ 66$ million on $\$ 719$ million of pre-tax income and resulted in an effective tax rate of 25.3 percent compared to 9.2 percent.

For additional summary information on the Corporation's results, see Financial Highlights on page 10 and Business Segment Operations on page 25.

Table 2
Summary Income Statement

|  | Three Months Ended March 31 |  |
| :---: | :---: | :---: |
| (Dollars in millions) | 2013 | 2012 |
| Net interest income (FTE basis) ${ }^{(1)}$ | \$ 10,875 | \$11,053 |
| Noninterest income | 12,533 | 11,432 |
| Total revenue, net of interest expense (FTE basis) ${ }^{(1)}$ | 23,408 | 22,485 |
| Provision for credit losses | 1,713 | 2,418 |
| Noninterest expense | 19,500 | 19,141 |
| Income before income taxes | 2,195 | 926 |
| Income tax expense (FTE basis) ${ }^{(1)}$ | 712 | 273 |
| Net income | 1,483 | 653 |
| Preferred stock dividends | 373 | 325 |
| Net income applicable to common shareholders | \$1,110 | \$328 |

Per common share information
$\begin{array}{ll}\text { Earnings } & \$ 0.10\end{array} \$ 0.03$
Diluted earnings $0.10 \quad 0.03$
${ }_{\text {(1) }}$ FTE basis is a non-GAAP financial measure. For additional information on this measure and for a corresponding reconciliation to GAAP financial measures, see Supplemental Financial Data on page 16.

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Financial Highlights
Net Interest Income
Net interest income on a FTE basis decreased $\$ 178$ million to $\$ 10.9$ billion for the three months ended March 31, 2013 compared to the same period in 2012. The decrease was primarily due to the impact of lower consumer loan balances as well as lower asset yields driven by the low rate environment, partially offset by reductions in long-term debt balances, lower rates paid on deposits and improved trading-related net interest income. The net interest yield on a FTE basis decreased eight basis points (bps) for the three months ended March 31, 2013 compared to the same period in 2012 as the yield continued to be under pressure due to the aforementioned items.

Noninterest Income
Table 3
Noninterest Income

|  | Three Months Ended March 31 |  |
| :---: | :---: | :---: |
| (Dollars in millions) | 2013 | 2012 |
| Card income | \$1,410 | \$1,457 |
| Service charges | 1,799 | 1,912 |
| Investment and brokerage services | 3,027 | 2,876 |
| Investment banking income | 1,535 | 1,217 |
| Equity investment income | 563 | 765 |
| Trading account profits | 2,989 | 2,075 |
| Mortgage banking income | 1,263 | 1,612 |
| Gains on sales of debt securities | 68 | 752 |
| Other loss | (112 | ) $(1,194$ |
| Net impairment losses recognized in earnings on AFS debt securities | (9 | ) (40 |
| Total noninterest income | \$ 12,533 | \$11,432 |

Noninterest income increased $\$ 1.1$ billion to $\$ 12.5$ billion for the three months ended March 31, 2013 compared to the same period in 2012. The following highlights the significant changes.

Service charges decreased $\$ 113$ million primarily due to a shift in product mix on consumer checking accounts and lower commercial banking fees.

Investment and brokerage services income increased $\$ 151$ million primarily driven by higher market levels and long-term assets under management (AUM) flows.

Investment banking income increased $\$ 318$ million due to an increase in capital markets underwriting and advisory fees.

Equity investment income decreased $\$ 202$ million due primarily to lower gains in our Global Principal Investments (GPI) portfolio.

Trading account profits increased $\$ 914$ million. Net DVA losses on derivatives were $\$ 54$ million for the three months ended March 31, 2013 compared to $\$ 1.5$ billion a year ago. Excluding net DVA, trading account profits decreased $\$ 491$ million primarily due to decreases within our fixed income, currencies and commodities (FICC) businesses reflecting less favorable market conditions primarily in credit-related products and commodities.

Mortgage banking income decreased $\$ 349$ million primarily driven by a decrease in servicing income due to a smaller servicing portfolio and to a lesser extent, a decline in core production income.

Other loss of $\$ 112$ million in the current-year period decreased from a loss a year ago of $\$ 1.2$ billion primarily driven by lower negative fair value adjustments on our structured liabilities of $\$ 90$ million compared to $\$ 3.3$ billion a year ago, partially offset by $\$ 1.2$ billion of gains related to subordinated debt repurchases and exchanges of trust preferred securities a year ago.

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Provision for Credit Losses
The provision for credit losses decreased $\$ 705$ million to $\$ 1.7$ billion for the three months ended March 31, 2013 compared to the same period in 2012. For the three months ended March 31, 2013, the provision for credit losses was $\$ 804$ million lower than net charge-offs, resulting in a reduction in the allowance for credit losses primarily due to continued improvement in the home loans portfolio, as well as improvement in the credit card portfolio. Absent unexpected deterioration in the economy, we expect reductions in the allowance for credit losses to continue in the near term, though at a slower pace than in 2012.

Net charge-offs totaled $\$ 2.5$ billion, or 1.14 percent of average loans and leases for the three months ended March 31, 2013 compared to $\$ 4.1$ billion, or 1.80 percent for the same period in 2012. The decrease in net charge-offs was primarily driven by credit quality improvement across all portfolios. For more information on the provision for credit losses, see Provision for Credit Losses on page 108.

Noninterest Expense
Table 4
Noninterest Expense

|  | Three Months Ended March 31 |  |
| :---: | :---: | :---: |
| (Dollars in millions) | 2013 | 2012 |
| Personnel | \$9,891 | \$10,188 |
| Occupancy | 1,154 | 1,142 |
| Equipment | 550 | 611 |
| Marketing | 429 | 465 |
| Professional fees | 649 | 783 |
| Amortization of intangibles | 276 | 319 |
| Data processing | 812 | 856 |
| Telecommunications | 409 | 400 |
| Other general operating | 5,330 | 4,377 |
| Total noninterest expense | \$ 19,500 | \$19,141 |

Noninterest expense increased $\$ 359$ million to $\$ 19.5$ billion for the three months ended March 31, 2013 compared to same period in 2012. The increase was driven by a $\$ 953$ million increase in other general operating expense primarily due to higher litigation expense associated with the MBIA Settlement, partially offset by a $\$ 297$ million decrease in personnel expense as we continue to streamline processes and achieve cost savings. Noninterest expense also included $\$ 893$ million of annual expense associated with retirement-eligible stock compensation for the three months ended March 31, 2013 compared to $\$ 892$ million in the year ago quarter.

In connection with Project New BAC, which was first announced in the third quarter of 2011, we continue to achieve cost savings in certain noninterest expense categories as we further streamline workflows, simplify processes and align expenses with our overall strategic plan and operating principles. We expect total cost savings from Project New BAC to reach $\$ 8$ billion per year on an annualized basis, or $\$ 2$ billion per quarter, by mid-2015. We expect to achieve approximately $\$ 1.5$ billion in quarterly cost savings by the fourth quarter of 2013 , representing 75 percent of the quarterly target.

## Income Tax Expense

Income tax expense was $\$ 501$ million on pre-tax income of $\$ 2.0$ billion for the three months ended March 31, 2013 compared to $\$ 66$ million on pre-tax income of $\$ 719$ million a year ago and resulted in an effective tax rate of 25.3
percent compared to 9.2 percent.
The effective tax rate for the three months ended March 31, 2013 was primarily driven by our recurring tax preference items, and the effective tax rate in the year-ago quarter was primarily driven by discrete tax benefits and recurring tax preference items.

A proposal to further reduce the U.K. corporate income tax rate by three percent to 20 percent is expected to be enacted in July 2013. It is expected that two percent of the reduction will be effective on April 1, 2014 and the additional one percent reduction on April 1, 2015. These reductions would favorably affect income tax expense on future U.K. earnings but also would require us to remeasure, in the period of enactment, our U.K. net deferred tax assets using the lower tax rates. Upon enactment, we would expect to record a charge to income tax expense of nearly $\$ 1.2$ billion for these aggregate reductions, assuming no change in the deferred tax asset balance.

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Balance Sheet Overview
Table 5
Selected Balance Sheet Data


Period-end balance sheet amounts may vary from average balance sheet amounts due to liquidity and balance sheet management activities, primarily involving our portfolios of highly liquid assets. These portfolios are designed to ensure the adequacy of capital while enhancing our ability to manage liquidity requirements for the Corporation and our customers, and to position the balance sheet in accordance with the Corporation's risk appetite. The execution of these activities requires the use of balance sheet and capital-related limits including spot, average and risk-weighted asset limits, particularly within the market-making activities of our trading businesses. One of our key regulatory metrics, Tier 1 leverage ratio, is calculated based on adjusted quarterly average total assets.

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Assets
At March 31, 2013, total assets were approximately $\$ 2.2$ trillion, a decrease of $\$ 35.2$ billion, or two percent, from December 31, 2012. This decrease was driven by declines in cash and cash equivalent balances; other earning assets primarily driven by a decrease in margin loan balances; consumer loan balances due to paydowns and charge-offs outpacing new originations; debt securities as sales, maturities and paydowns outpaced purchases; and trading account assets primarily due to reduced holdings of U.S. government and agency securities. These decreases were partially offset by higher commercial loan balances.

Average total assets increased $\$ 25.3$ billion for the three months ended March 31, 2013 compared to the same period in 2012. The increase was driven by higher trading account assets primarily due to increases in short-term U.S. government and agency securities, an increase in debt securities primarily driven by net purchases of agency MBS, higher commercial loan balances, and lower allowance for loan and lease losses primarily due to improvements in the home loans and credit card portfolios. These increases were partially offset by declines in consumer loan balances due to paydowns and charge-offs outpacing new originations, cash and cash equivalent balances, and derivative dealer assets.

## Liabilities and Shareholders' Equity

At March 31, 2013, total liabilities were approximately $\$ 1.9$ trillion, a decrease of $\$ 35.5$ billion, or two percent, from December 31, 2012. This decrease was driven by lower securities sold under agreements to repurchase due to lower matched-book activity and trading inventory, and a decline in noninterest-bearing deposits primarily due to the expiration of the Transaction Account Guarantee Program at December 31, 2012. These decreases were partially offset by higher trading account liabilities due to increased short positions in equity securities.

Average total liabilities increased $\$ 20.8$ billion for the three months ended March 31, 2013 compared to the same period in 2012. The increase was primarily driven by growth in deposits driven by higher client balances, higher securities loaned or sold under agreements to repurchase driven by funding of trading inventory resulting from customer demand, and higher trading account liabilities. These increases were partially offset by planned reductions in long-term debt.

At March 31, 2013, shareholders' equity was $\$ 237.3$ billion, an increase of $\$ 337$ million from December 31, 2012 driven by earnings, partially offset by a decrease in unrealized gains in accumulated other comprehensive income (OCI) on available-for-sale (AFS) debt securities.

Average shareholders' equity increased $\$ 4.4$ billion for the three months ended March 31, 2013 compared to the same period in 2012 driven by earnings, an increase in unrealized gains in accumulated OCI on AFS debt securities, and common stock issued under employee benefit plans and in connection with exchanges of preferred stock and trust preferred securities in 2012.

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Table 6
Selected Quarterly Financial Data

(1) Due to a net loss applicable to common shareholders for the third quarter of 2012, the impact of antidilutive equity instruments was excluded from diluted earnings per share and average diluted common shares.
(2) Calculated as total net income for four consecutive quarters divided by annualized average assets for four consecutive quarters.
Tangible equity ratios and tangible book value per share of common stock are non-GAAP financial measures.
${ }^{(3)}$ Other companies may define or calculate these measures differently. For additional information on these ratios and for corresponding reconciliations to GAAP financial measures, see Supplemental Financial Data on page 16.
(4)

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For more information on the impact of the purchased credit-impaired loan portfolio on asset quality, see Consumer Portfolio Credit Risk Management on page 72.
${ }^{(5)}$ Includes the allowance for loan and lease losses and the reserve for unfunded lending commitments.
Balances and ratios do not include loans accounted for under the fair value option. For additional exclusions from nonperforming loans, leases and foreclosed properties, see Consumer Portfolio Credit Risk Management -
(6) Nonperforming Consumer Loans and Foreclosed Properties Activity on page 89 and corresponding Table 38, and Commercial Portfolio Credit Risk Management - Nonperforming Commercial Loans, Leases and Foreclosed Properties Activity on page 98 and corresponding Table 47.
(7) Primarily includes amounts allocated to the U.S. credit card and unsecured consumer lending portfolios in CBB, purchased credit-impaired loans and the non-U.S. credit card portfolio in All Other.
Net charge-offs exclude $\$ 839$ million, $\$ 1.1$ billion and $\$ 1.7$ billion of write-offs in the purchased credit-impaired loan portfolio for the first quarter of 2013 and the fourth and third quarters of 2012. These write-offs decreased the
${ }^{(8)}$ purchased credit-impaired valuation allowance included as part of the allowance for loan and lease losses. For more information on purchased credit-impaired write-offs, see Consumer Portfolio Credit Risk Management Purchased Credit-impaired Loan Portfolio on page 83.
${ }^{(9)}$ There were no write-offs in the purchased credit-impaired loan portfolio for the second and first quarters of 2012.
(10) Presents capital ratios in accordance with the Basel 1 - 2013 Rules at March 31, 2013. Basel 1 did not include the Basel 1 - 2013 Rules at December 31, 2012.
$\mathrm{n} / \mathrm{m}=$ not meaningful

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Table 6
Selected Quarterly Financial Data (continued)

2013
Quarter
(Dollars in millions)
Average balance sheet
Total loans and leases
Total assets
Total deposits
Long-term debt
Common shareholders' equity
Total shareholders' equity
Asset quality ${ }^{(4)}$
Allowance for credit losses ${ }^{(5)}$
Nonperforming loans, leases and foreclosed properties ${ }^{(6)}$

First
\$906,259
2,212,430
1,075,280
273,999
218,225
236,995
\$22,927
22,842

Allowance for loan and lease losses as a percentage of total loans and leases outstanding $2.49 \quad \% \quad 2.69 \quad \% \quad 2.96 \quad \% \quad 3.43 \quad \% \quad 3.61 \quad \%$ (6)

Allowance for loan and lease losses as a $\begin{array}{llllll}\text { percentage of total nonperforming loans and } & 102 & 107 & 111 & 127 & 126\end{array}$ leases (6)
Allowance for loan and lease losses as a percentage of total nonperforming loans and leases, excluding the PCI loan portfolio ${ }^{(5)}$
Amounts included in allowance that are excluded from nonperforming loans and leases $\$ 10,690$ (7)

Allowance as a percentage of total nonperforming loans and leases, excluding amounts included in the allowance that are excluded from nonperforming loans and leases (7)


Ratio of the allowance for loan and lease losses at period end to annualized net charge-offs, 1.7 excluding the PCI loan portfolio
Ratio of the allowance for loan and lease losses at period end to annualized net charge-offs and 1.65
PCI write-offs ${ }^{(9)}$
Capital ratios (period end) ${ }^{(10)}$
Risk-based capital:

| Tier 1 common capital | 10.49 | \% 11.06 | \% 11.41 | \% 11.24 | \% 10.78 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Tier 1 capital | 12.22 | 12.89 | 13.64 | 13.80 | 13.37 |
| Total capital | 15.50 | 16.31 | 17.16 | 17.51 | 17.49 |
| Tier 1 leverage | 7.49 | 7.37 | 7.84 | 7.84 | 7.79 |
| Tangible equity ${ }^{(3)}$ | 7.78 | 7.62 | 7.85 | 7.73 | 7.48 |
| Tangible common equity ${ }^{(3)}$ | 6.88 | 6.74 | 6.95 | 6.83 | 6.58 |

For footnotes see page 14.

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## Supplemental Financial Data

We view net interest income and related ratios and analyses on a FTE basis, which when presented on a consolidated basis, are non-GAAP financial measures. We believe managing the business with net interest income on a FTE basis provides a more accurate picture of the interest margin for comparative purposes. To derive the FTE basis, net interest income is adjusted to reflect tax-exempt income on an equivalent before-tax basis with a corresponding increase in income tax expense. For purposes of this calculation, we use the federal statutory tax rate of 35 percent. This measure ensures comparability of net interest income arising from taxable and tax-exempt sources.

Certain performance measures including the efficiency ratio and net interest yield utilize net interest income (and thus total revenue) on a FTE basis. The efficiency ratio measures the costs expended to generate a dollar of revenue, and net interest yield measures the bps we earn over the cost of funds.

We also evaluate our business based on certain ratios that utilize tangible equity, a non-GAAP financial measure. Tangible equity represents an adjusted shareholders' equity or common shareholders' equity amount which has been reduced by goodwill and intangible assets (excluding MSRs), net of related deferred tax liabilities. These measures are used to evaluate our use of equity. In addition, profitability, relationship and investment models all use return on average tangible shareholders' equity as key measures to support our overall growth goals. These ratios are as follows:

Return on average tangible common shareholders' equity measures our earnings contribution as a percentage of adjusted common shareholders' equity. The tangible common equity ratio represents adjusted common shareholders' equity divided by total assets less goodwill and intangible assets (excluding MSRs), net of related deferred tax liabilities.

Return on average tangible shareholders' equity measures our earnings contribution as a percentage of adjusted average total shareholders' equity. The tangible equity ratio represents adjusted total shareholders' equity divided by total assets less goodwill and intangible assets (excluding MSRs), net of related deferred tax liabilities.

Tangible book value per common share represents adjusted ending common shareholders' equity divided by ending common shares outstanding.

The aforementioned supplemental data and performance measures are presented in Table 6.
We evaluate our business segment results based on measures that utilize return on average allocated capital, and prior to January 1, 2013, the return on average economic capital, both of which represent non-GAAP measures. These ratios are calculated as net income adjusted for cost of funds and earnings credits and certain expenses related to intangibles, divided by average allocated capital or average economic capital, as applicable. In addition, for purposes of goodwill impairment testing, the Corporation utilizes allocated equity as a proxy for the carrying value of its reporting units. Allocated equity for the business segments is comprised of allocated capital (or economic capital prior to 2013) plus capital for the portion of goodwill and intangibles specifically assigned to the business segment. For more information, see Business Segment Operations on page 25 and Note 9 - Goodwill and Intangible Assets to the Consolidated Financial Statements.

Tables 7 and 8 provide reconciliations of these non-GAAP financial measures with GAAP financial measures. We believe the use of these non-GAAP financial measures provides additional clarity in assessing the results of the Corporation and our segments. Other companies may define or calculate these measures and ratios differently.

Table 7
Quarterly Supplemental Financial Data and Reconciliations to GAAP Financial Measures

|  | 2013 <br> Quarter |  | 2012 Qu | ter |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| (Dollars in millions) | First |  | Fourth |  | Third |  | Second |  | First |  |
| Fully taxable-equivalent basis data |  |  |  |  |  |  |  |  |  |  |
| Net interest income | \$ 10,875 |  | \$ 10,555 |  | \$ 10,167 |  | \$9,782 |  | \$11,053 |  |
| Total revenue, net of interest expense | 23,408 |  | 18,891 |  | 20,657 |  | 22,202 |  | 22,485 |  |
| Net interest yield ${ }^{(1)}$ | 2.43 | \% | 2.35 | \% | 2.32 | \% | 2.21 | \% | 2.51 | \% |
| Efficiency ratio | 83.31 |  | 97.19 |  | 84.93 |  | 76.79 |  | 85.13 |  |

Calculation includes fees earned on overnight deposits placed with the Federal Reserve and, beginning in the third
${ }^{(1)}$ quarter of 2012, fees earned on deposits, primarily overnight, placed with certain non-U.S. central banks, of $\$ 33$ million for the first quarter of 2013, and $\$ 42$ million, $\$ 48$ million, $\$ 52$ million and $\$ 47$ million for the fourth, third, second and first quarters of 2012, respectively.

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Table 7
Quarterly Supplemental Financial Data and Reconciliations to GAAP Financial Measures (continued) 2013 Quarter
(Dollars in millions)
First Fourth Third Second First
Reconciliation of net interest income to net interest income on a fully taxable-equivalent basis

| Net interest income | $\$ 10,664$ | $\$ 10,324$ | $\$ 9,938$ | $\$ 9,548$ | $\$ 10,846$ |
| :--- | :--- | :--- | :--- | :--- | :--- |
| Fully taxable-equivalent adjustment | 211 | 231 | 229 | 234 | 207 |
| Net interest income on a fully taxable-equivalent | $\$ 10,875$ | $\$ 10,555$ | $\$ 10,167$ | $\$ 9,782$ | $\$ 11,053$ |

Reconciliation of total revenue, net of interest
expense to total revenue, net of interest expense
on a fully taxable-equivalent basis

| Total revenue, net of interest expense | $\$ 23,197$ | $\$ 18,660$ | $\$ 20,428$ | $\$ 21,968$ | $\$ 22,278$ |
| :--- | :--- | :--- | :--- | :--- | :--- |
| Fully taxable-equivalent adjustment | 211 | 231 | 229 | 234 | 207 |
| Total revenue, net of interest expense on a fully <br> taxable-equivalent basis | $\$ 23,408$ | $\$ 18,891$ | $\$ 20,657$ | $\$ 22,202$ | $\$ 22,485$ |

Reconciliation of income tax expense (benefit) to income tax expense (benefit) on a fully
taxable-equivalent basis

| Income tax expense (benefit) | $\$ 501$ | $\$(2,636$ | $)$ | $\$ 770$ | $\$ 684$ |
| :--- | :--- | :--- | :--- | :--- | :--- |
| Fully taxable-equivalent adjustment | 211 | 231 | 229 | 234 | 207 |
| Income tax expense (benefit) on a fully | $\$ 712$ | $\$(2,405$ | $)$ | $\$ 999$ | $\$ 918$ |

Reconciliation of average common shareholders' equity to average tangible common shareholders' equity
Common shareholders' equity $\quad \$ 218,225 \quad \$ 219,744 \quad \$ 217,273 \quad \$ 216,782 \quad \$ 214,150$
Goodwill
Intangible assets (excluding MSRs)
Related deferred tax liabilities
Tangible common shareholders' equity

| $\$ 218,225$ | $\$ 219,744$ | $\$ 217,273$ | $\$ 216,782$ | $\$ 214,150$ |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
| $(69,945$ | $)$ | $(69,976$ | $)$ | $(69,976$ | $)$ |
| $(69,576$ | $)$ | $(69,967$ | $)$ |  |  |
| 2,425 | $)$ | $(6,874$ | $)(7,194$ | $)(7,533$ | $)$ |
| 2,490 | 2,556 | 2,626 | 2,700 |  |  |
| $\$ 144,156$ | $\$ 145,384$ | $\$ 142,659$ | $\$ 141,899$ | $\$ 139,014$ |  |

Reconciliation of average shareholders' equity to average tangible shareholders' equity
Shareholders' equity
Goodwill
Intangible assets (excluding MSRs)
Related deferred tax liabilities
Tangible shareholders' equity
Reconciliation of period-end common shareholders' equity to period-end tangible
common shareholders' equity
Common shareholders' equity
Goodwill
Intangible assets (excluding MSRs)
Related deferred tax liabilities
Tangible common shareholders' equity

| $\$ 218,513$ | $\$ 218,188$ | $\$ 219,838$ | $\$ 217,213$ | $\$ 213,711$ |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
| $(69,930$ | $)$ | $(69,976$ | $)$ | $(69,976$ | $)$ |
| $(6,379$ | $)$ | $(6,684$ | $)(7,030$ | $)$ | $(7,335$ |
| $(6,363$ | $)$ | $(7,976$ | $(7)$ |  |  |
| 2,363 | 2,428 | 2,494 | 2,559 | 2,628 |  |
| $\$ 144,567$ | $\$ 143,956$ | $\$ 145,326$ | $\$ 142,461$ | $\$ 138,667$ |  |

Reconciliation of period-end shareholders' equity
to period-end tangible shareholders' equity
Shareholders' equity

| \$237,293 | \$236,956 | \$238,606 | \$235,975 | \$ 232,499 |
| :---: | :---: | :---: | :---: | :---: |
| (69,930 | ) $(69,976$ | ) $(69,976$ | ) $(69,976$ | ) $(69,976$ |
| (6,379 | ) $(6,684$ | ) $(7,030$ | (7,335 | ) $(7,696$ |
| 2,363 | 2,428 | 2,494 | 2,559 | 2,628 |
| \$ 163,347 | \$ 162,724 | \$ 164,094 | \$ 161,223 | \$ 157,455 |

Goodwill
Intangible assets (excluding MSRs)
Related deferred tax liabilities
Tangible shareholders' equity
\$ 163,347 \$162,724 \$164,094 \$161,223 \$157,455
Reconciliation of period-end assets to period-end tangible assets
Assets $\quad \$ 2,174,819 \quad \$ 2,209,974 \quad \$ 2,166,162 \quad \$ 2,160,854 \quad \$ 2,181,449$
Goodwill
Intangible assets (excluding MSRs)
$(69,930)(69,976)(69,976)(69,976)(69,976)$
Related deferred tax liabilities
Tangible assets
$(6,379)(6,684)(7,030)(7,335)(7,696)$
$\begin{array}{lllll}2,363 & 2,428 & 2,494 & 2,559 & 2,628\end{array}$
$\$ 2,100,873 \quad \$ 2,135,742 \quad \$ 2,091,650 \quad \$ 2,086,102 \quad \$ 2,106,405$

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Table 8
Segment Supplemental Financial Data Reconciliations to GAAP Financial Measures ${ }^{(1)}$


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Table 8
Segment Supplemental Financial Data Reconciliations to GAAP Financial Measures (continued) ${ }^{(1)}$
Three Months Ended March 31
(Dollars in millions) 20132012
Consumer \& Business Banking
Deposits
$\begin{array}{lll}\text { Reported net income } & \$ 398 & \$ 403 \\ \text { Adjustment related to intangibles }{ }^{(2)} & - & - \\ \text { Adjusted net income } & \$ 398 & \$ 403\end{array}$
Average allocated equity ${ }^{(3)} \quad \$ 35,407 \quad \$ 32,219$
Adjustment related to goodwill and a percentage of intangibles $\quad(20,007)(20,030 \quad)$
$\begin{array}{ll}\text { Average allocated capital/economic capital } & \$ 15,400\end{array} \$ 12,189$
Card Services
Reported net income $\quad \$ 984 \quad \$ 1,042$
Adjustment related to intangibles (2) ${ }^{(2)} 3$
$\begin{array}{ll}\text { Adjusted net income } & \$ 986\end{array}$
Average allocated equity ${ }^{(3)} \quad \$ 22,981 \quad \$ 20,671$
Adjustment related to goodwill and a percentage of intangibles (10,381 ) (10,492 )
Average allocated capital/economic capital
\$12,600 \$10,179
For footnotes see page 18.
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Net Interest Income Excluding Trading-related Net Interest Income
We manage net interest income on a FTE basis and excluding the impact of trading-related activities. As discussed in Global Markets on page 39, we evaluate our sales and trading results and strategies on a total market-based revenue approach by combining net interest income and noninterest income for Global Markets. An analysis of net interest income, average earning assets and net interest yield on earning assets, all of which adjust for the impact of trading-related net interest income from reported net interest income on a FTE basis, is shown below. We believe the use of this non-GAAP presentation in Table 9 provides additional clarity in assessing our results.

Table 9
Net Interest Income Excluding Trading-related Net Interest Income
(Dollars in millions)
Net interest income (FTE basis)
As reported ${ }^{(1)}$
Impact of trading-related net interest income
Net interest income excluding trading-related net interest income ${ }^{(2)}$
Average earning assets
As reported
Impact of trading-related earning assets
Average earning assets excluding trading-related earning assets (2)
Net interest yield contribution (FTE basis) (3)
$\begin{array}{llll}\text { As reported }{ }^{(1)} & 2.43 & \% & 2.51 \\ \text { Impact of trading-related activities } & 0.62 & & 0.55 \\ \text { Net interest yield on earning assets excluding trading-related activities }{ }^{(2)} & 3.05 & \% & 3.06\end{array}$
Net interest income and net interest yield include fees earned on overnight deposits placed with the Federal
(1)

Reserve and, beginning in the third quarter of 2012, fees earned on deposits, primarily overnight, placed with certain non-U.S. central banks, of $\$ 33$ million and $\$ 47$ million for the three months ended March 31, 2013 and 2012.
${ }^{(2)}$ Represents a non-GAAP financial measure.
${ }^{(3)}$ Calculated on an annualized basis.
For the three months ended March 31, 2013, net interest income excluding trading-related net interest income decreased $\$ 392$ million to $\$ 9.9$ billion compared to the same period in 2012. The decrease was primarily due to the impact of lower consumer loan balances as well as lower asset yields driven by the low rate environment, partially offset by reductions in long-term debt balances and lower rates paid on deposits.

Average earning assets excluding trading-related earning assets decreased $\$ 40.6$ billion to $\$ 1,303.1$ billion compared to the same period in 2012. The decrease was primarily due to declines in consumer loans and time deposits placed, partially offset by increases in commercial loans and investment securities.

For the three months ended March 31, 2013, net interest yield on earning assets excluding trading-related activities decreased one bp to 3.05 percent compared to the same period in 2012 as the yield continued to be under pressure due to the factors noted above for net interest income.

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Table 10
Quarterly Average Balances and Interest Rates - FTE Basis
(Dollars in millions)
Earning assets
Time deposits placed and other short-term investments ${ }^{(1)}$
Federal funds sold and securities borrowed or purchased under agreements to resell
Trading account assets
Debt securities ${ }^{(2)}$
Loans and leases (3):
Residential mortgage (4)
Home equity
U.S. credit card

Non-U.S. credit card
Direct/Indirect consumer ${ }^{(5)}$
Other consumer ${ }^{(6)}$
Total consumer
U.S. commercial

Commercial real estate ${ }^{(7)}$
Commercial lease financing
Non-U.S. commercial
Total commercial
Total loans and leases
Other earning assets
Total earning assets ${ }^{(8)}$
Cash and cash equivalents ${ }^{(1)}$
Other assets, less allowance for loan and lease losses
Total assets

First Quarter 2013


For this presentation, fees earned on overnight deposits placed with the Federal Reserve are included in the cash and cash equivalents line, consistent with the Consolidated Balance Sheet presentation of these deposits. In
(1) addition, beginning in the third quarter of 2012, fees earned on deposits, primarily overnight, placed with certain non-U.S. central banks, which are included in the time deposits placed and other short-term investments line in prior periods, have been included in the cash and cash equivalents line. Net interest income and net interest yield are calculated excluding these fees.
(2) Yields on debt securities carried at fair value are calculated based on fair value rather than the cost basis. The use of fair value does not have a material impact on net interest yield.
Nonperforming loans are included in the respective average loan balances. Income on these nonperforming loans is
${ }^{(3)}$ recognized on a cost recovery basis. PCI loans were recorded at fair value upon acquisition and accrete interest income over the remaining life of the loan.
(4) Includes non-U.S. residential mortgage loans of $\$ 90$ million in the first quarter of 2013, and $\$ 93$ million, $\$ 92$ million, $\$ 89$ million and $\$ 86$ million in the fourth, third, second and first quarters of 2012, respectively.
${ }_{\text {(5) }}$ Includes non-U.S. consumer loans of $\$ 7.7$ billion in the first quarter of 2013, and $\$ 8.1$ billion, $\$ 7.8$ billion, $\$ 7.8$ billion and $\$ 7.5$ billion in the fourth, third, second and first quarters of 2012, respectively.
${ }^{(6)}$ Includes consumer finance loans of $\$ 1.4$ billion in the first quarter of 2013 , and $\$ 1.4$ billion, $\$ 1.5$ billion, $\$ 1.6$ billion and $\$ 1.6$ billion in the fourth, third, second and first quarters of 2012, respectively; other non-U.S.
consumer loans of $\$ 5$ million in the first quarter of 2013, and $\$ 4$ million, $\$ 997$ million, $\$ 895$ million and $\$ 903$ million in the fourth, third, second and first quarters of 2012, respectively; and consumer overdrafts of \$142 million in the first quarter of 2013, and $\$ 156$ million, $\$ 158$ million, $\$ 108$ million and $\$ 90$ million in the fourth, third, second and first quarters of 2012, respectively.
Includes U.S. commercial real estate loans of $\$ 37.7$ billion in the first quarter of 2013, and $\$ 36.7$ billion, $\$ 35.4$

## (7)

 billion, $\$ 36.0$ billion and $\$ 37.4$ billion in the fourth, third, second and first quarters of 2012, respectively; and non-U.S. commercial real estate loans of $\$ 1.5$ billion in the first quarter of 2013, and $\$ 1.5$ billion, $\$ 1.5$ billion, $\$ 1.6$ billion and $\$ 1.8$ billion in the fourth, third, second and first quarters of 2012, respectively.Interest income includes the impact of interest rate risk management contracts, which decreased interest income on the underlying assets by $\$ 141$ million in the first quarter of 2013 , and $\$ 146$ million, $\$ 136$ million, $\$ 366$ million and $\$ 106$ million in the fourth, third, second and first quarters of 2012, respectively. Interest expense includes the
${ }^{(8)}$ impact of interest rate risk management contracts, which decreased interest expense on the underlying liabilities by $\$ 618$ million in the first quarter of 2013 , and $\$ 598$ million, $\$ 454$ million, $\$ 591$ million and $\$ 658$ million in the fourth, third, second and first quarters of 2012, respectively. For further information on interest rate contracts, see Interest Rate Risk Management for Nontrading Activities on page 118.

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Table 10
Quarterly Average Balances and Interest Rates - FTE Basis (continued)
Third Quarter 2012 Second Quarter 2012

Earning assets
Time deposits placed and $\begin{array}{lllllllllllll}\text { other short-term } & \$ 15,849 & \$ 58 & 1.47 & \% & \$ 27,476 & \$ 64 & 0.94 & \% & \$ 31,404 & \$ 65 & 0.83 & \%\end{array}$ investments ${ }^{(1)}$
Federal funds sold and

| securities borrowed or purchased under agreements to resell | 234,955 | 353 | 0.60 | 234,148 | 360 | 0.62 | 233,061 | 460 | 0.79 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Trading account assets | 166,192 | 1,243 | 2.98 | 165,906 | 1,302 | 3.15 | 164,114 | 1,399 | 3.42 |
| Debt securities ${ }^{(2)}$ | 355,302 | 2,068 | 2.33 | 357,081 | 1,910 | 2.14 | 341,619 | 2,752 | 3.22 |
| Loans and leases ${ }^{(3)}$ : |  |  |  |  |  |  |  |  |  |
| Residential mortgage ${ }^{(4)}$ | 261,461 | 2,412 | 3.69 | 266,493 | 2,556 | 3.84 | 272,655 | 2,592 | 3.80 |
| Home equity | 116,184 | 1,097 | 3.77 | 119,657 | 1,090 | 3.66 | 122,933 | 1,164 | 3.80 |
| U.S. credit card | 93,292 | 2,353 | 10.04 | 95,018 | 2,356 | 9.97 | 98,334 | 2,459 | 10.06 |
| Non-U.S. credit card | 13,329 | 385 | 11.48 | 13,641 | 396 | 11.68 | 14,151 | 408 | 11.60 |
| Direct/Indirect consumer (5) | 82,635 | 704 | 3.39 | 84,198 | 733 | 3.50 | 88,321 | 801 | 3.65 |
| Other consumer ${ }^{(6)}$ | 2,654 | 40 | 6.03 | 2,565 | 41 | 6.41 | 2,617 | 40 | 6.24 |
| Total consumer | 569,555 | 6,991 | 4.89 | 581,572 | 7,172 | 4.95 | 599,011 | 7,464 | 5.00 |
| U.S. commercial | 201,072 | 1,752 | 3.47 | 199,644 | 1,742 | 3.51 | 195,111 | 1,756 | 3.62 |
| Commercial real estate ${ }^{(7)} 36,929$ |  | 329 | 3.54 | 37,627 | 323 | 3.46 | 39,190 | 339 | 3.48 |
| Commercial lease financing | 21,545 | 202 | 3.75 | 21,446 | 216 | 4.02 | 21,679 | 272 | 5.01 |
| Non-U.S. commercial | 59,758 | 401 | 2.67 | 59,209 | 369 | 2.50 | 58,731 | 391 | 2.68 |
| Total commercial | 319,304 | 2,684 | 3.35 | 317,926 | 2,650 | 3.35 | 314,711 | 2,758 | 3.52 |
| Total loans and leases | 888,859 | 9,675 | 4.34 | 899,498 | 9,822 | 4.38 | 913,722 | 10,222 | 4.49 |
| Other earning assets | 89,118 | 760 | 3.40 | 88,459 | 716 | 3.24 | 84,185 | 723 | 3.46 |
| Total earning assets ${ }^{(8)}$ | 1,750,275 | 14,157 | 3.22 | 1,772,568 | 14,174 | 3.21 | 1,768,105 | 15,621 | 3.55 |
| Cash and cash equivalents ${ }^{(1)}$ | 122,716 | 48 |  | 116,025 | 52 |  | 112,512 | 47 |  |
| Other assets, less allowance for loan and lease losses | 300,321 |  |  | 305,970 |  |  | 306,557 |  |  |
| Total assets | \$2,173,312 |  |  | \$2,194,563 |  |  | \$2,187,174 |  |  |

For footnotes see page 21.

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Table 10
Quarterly Average Balances and Interest Rates - FTE Basis (continued)

| (Dollars in millions) | First Quarter 2013 |  | Fourth Quarter 2012 |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Average Balance | Interest <br> Income/ <br> Expense | Yield/ <br> Rate |  | Average Balance | Interest <br> Income/ <br> Expense | Yield/ <br> Rate |
| Interest-bearing liabilities |  |  |  |  |  |  |  |
| U.S. interest-bearing deposits: |  |  |  |  |  |  |  |
| Savings | \$42,934 | \$6 | 0.05 | \% | \$41,294 | \$6 | 0.06 \% |
| NOW and money market deposit accounts | 501,177 | 117 | 0.09 |  | 479,130 | 146 | 0.12 |
| Consumer CDs and IRAs | 88,376 | 138 | 0.63 |  | 91,256 | 156 | 0.68 |
| Negotiable CDs, public funds and other deposits | 20,880 | 26 | 0.52 |  | 19,904 | 27 | 0.54 |
| Total U.S. interest-bearing deposits | 653,367 | 287 | 0.18 |  | 631,584 | 335 | 0.21 |
| Non-U.S. interest-bearing deposits: |  |  |  |  |  |  |  |
| Banks located in non-U.S. countries | 12,153 | 19 | 0.64 |  | 11,964 | 22 | 0.71 |
| Governments and official institutions | 901 | 1 | 0.23 |  | 876 | 1 | 0.29 |
| Time, savings and other | 54,599 | 75 | 0.56 |  | 53,655 | 80 | 0.60 |
| Total non-U.S. interest-bearing deposits | 67,653 | 95 | 0.57 |  | 66,495 | 103 | 0.62 |
| Total interest-bearing deposits | 721,020 | 382 | 0.22 |  | 698,079 | 438 | 0.25 |
| Federal funds purchased, securities loaned or sold under agreements to repurchase and short-term borrowings | 337,644 | 749 | 0.90 |  | 336,341 | 855 | 1.01 |
| Trading account liabilities | 92,047 | 472 | 2.08 |  | 80,084 | 420 | 2.09 |
| Long-term debt | 273,999 | 1,834 | 2.70 |  | 277,894 | 1,934 | 2.77 |
| Total interest-bearing liabilities ${ }^{(8)}$ | 1,424,710 | 3,437 | 0.98 |  | 1,392,398 | 3,647 | 1.04 |
| Noninterest-bearing sources: |  |  |  |  |  |  |  |
| Noninterest-bearing deposits | 354,260 |  |  |  | 379,997 |  |  |
| Other liabilities | 196,465 |  |  |  | 199,458 |  |  |
| Shareholders' equity | 236,995 |  |  |  | 238,512 |  |  |
| Total liabilities and shareholders' equity | \$2,212,430 |  |  |  | \$2,210,365 |  |  |
| Net interest spread |  |  | 2.22 | \% |  |  | 2.12 \% |
| Impact of noninterest-bearing sources |  |  | 0.21 |  |  |  | 0.22 |
| Net interest income/yield on earning assets ${ }^{(1)}$ |  | \$ 10,842 | 2.43 | \% |  | \$ 10,513 | 2.34 \% |

For footnotes see page 21.

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Table 10
Quarterly Average Balances and Interest Rates - FTE Basis (continued)
Third Quarter 2012
(Dollars in millions)

Interest-bearing
liabilities
U.S. interest-bearing
deposits:

| Savings | $\$ 41,581$ | $\$ 11$ | $0.10 \%$ | $\$ 42,394$ | $\$ 14$ | 0.13 | $\%$ | $\$ 40,543$ | $\$ 14$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $00.14 \%$

Non-U.S.
interest-bearing deposits:

| Banks located in non-U.S. countries | 13,883 | 19 | 0.56 | 14,598 | 25 | 0.69 | 18,170 | 28 | 0.62 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Governments and official institutions | 1,019 | 1 | 0.31 | 895 | 1 | 0.37 | 1,286 | 1 | 0.41 |
| Time, savings and other | 52,175 | 78 | 0.59 | 52,584 | 85 | 0.65 | 55,241 | 90 | 0.66 |
| Total non-U.S. interest-bearing deposits | 67,077 | 98 | 0.58 | 68,077 | 111 | 0.65 | 74,697 | 119 | 0.64 |
| Total interest-bearing deposits | 688,064 | 484 | 0.28 | 689,778 | 519 | 0.30 | 696,519 | 549 | 0.32 |
| Federal funds purchased, securities loaned or sold under agreements to repurchase and short-term borrowings | 325,023 | 893 | 1.09 | 318,909 | 943 | 1.19 | 293,056 | 881 | 1.21 |
| Trading account liabilities | 77,528 | 418 | 2.14 | 84,728 | 448 | 2.13 | 71,872 | 477 | 2.67 |
| Long-term debt | 291,684 | 2,243 | 3.07 | 333,173 | 2,534 | 3.05 | 363,518 | 2,708 | 2.99 |
| Total interest-bearing | 1,382,299 | 4,038 | 1.16 | 1,426,588 | 4,444 | 1.25 | 1,424,965 | 4,615 | 1.30 |

liabilities ${ }^{(8)}$
Noninterest-bearing
sources:

| Noninterest-bearing | 361,633 | 343,110 | 333,593 |
| :--- | :--- | :--- | :--- |
| deposits | 189,307 | 196,050 |  |
| Other liabilities | 193,341 | 235,558 | 232,566 |
| Shareholders' equity | 236,039 | $\$ 2,194,563$ | $\$ 2,187,174$ |
| Total liabilities and | $\$ 2,173,312$ | $2.06 \%$ | $1.96 \%$ |

Impact of noninterest-bearing
0.25
0.24
0.25
sources
Net interest income/yield on earning assets (1)
For footnotes see page 21 .

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Business Segment Operations
Segment Description and Basis of Presentation
We report the results of our operations through five business segments: CBB, CRES, Global Banking, Global Markets and GWIM, with the remaining operations recorded in All Other. We prepare and evaluate segment results using certain non-GAAP financial measures. For additional information, see Supplemental Financial Data on page 16. Table 11 provides selected summary financial data for our business segments and All Other for the three months ended March 31, 2013 compared to the same period in 2012. For additional detailed information on these results, see the business segment and All Other discussions which follow.

Table 11
Business Segment Results
(Dollars in millions)
Consumer \& Business Banking
Consumer Real Estate Services
Global Banking
Global Markets
Global Wealth \& Investment
Management
All Other
Total FTE basis
FTE adjustment
Total Consolidated

| Three Months Ended March 31 |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Total Revenue ${ }^{(1)}$ |  | Provision for Credit Losses |  | Noninterest <br> Expense |  | Net Income (Loss) |  |
| 2013 | 2012 | 2013 | 2012 | 2013 | 2012 | 2013 | 2012 |
| \$7,214 | \$7,422 | \$906 | \$877 | \$4,108 | \$4,263 | \$1,382 | \$1,445 |
| 2,312 | 2,664 | 335 | 507 | 5,407 | 3,884 | (2,157) | ) (1,138) |
| 4,225 | 4,236 | 195 | (245 | ) 1,900 | 1,997 | 1,338 | 1,573 |
| 4,872 | 4,411 | 5 | (13 | 3,076 | 3,239 | 1,169 | 828 |
| 4,421 | 4,147 | 22 | 46 | 3,253 | 3,232 | 720 | 550 |
| 364 | (395 ) | 250 | 1,246 | 1,756 | 2,526 | (969 ) | ) (2,605) |
| 23,408 | 22,485 | 1,713 | 2,418 | 19,500 | 19,141 | 1,483 | 653 |
| (211 ) | (207 ) | - | - | - | - | - |  |
| \$23,197 | \$22,278 | \$1,713 | \$2,418 | \$ 19,500 | \$19,141 | \$1,483 | \$653 |

${ }^{(1)}$ Total revenue is net of interest expense and is on a FTE basis which for consolidated revenue is a non-GAAP financial measure. For more information on this measure and for a corresponding reconciliation to a GAAP financial measure, see Supplemental Financial Data on page 16.

The management accounting and reporting process derives segment and business results by utilizing allocation methodologies for revenue and expense. The net income derived for the businesses is dependent upon revenue and cost allocations using an activity-based costing model, funds transfer pricing, and other methodologies and assumptions management believes are appropriate to reflect the results of the business.

Total revenue, net of interest expense, includes net interest income on a FTE basis and noninterest income. The adjustment of net interest income to a FTE basis results in a corresponding increase in income tax expense. The segment results also reflect certain revenue and expense methodologies that are utilized to determine net income. The net interest income of the businesses includes the results of a funds transfer pricing process that matches assets and liabilities with similar interest rate sensitivity and maturity characteristics. For presentation purposes, in segments where the total of liabilities and equity exceeds assets, which are generally deposit-taking segments, we allocate assets to match liabilities. Net interest income of the business segments also includes an allocation of net interest income generated by certain of our asset and liability management (ALM) activities.

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Our ALM activities include an overall interest rate risk management strategy that incorporates the use of various derivatives and cash instruments to manage fluctuations in earnings and capital that are caused by interest rate volatility. Our goal is to manage interest rate sensitivity so that movements in interest rates do not significantly adversely affect earnings and capital. The results of a majority of our ALM activities are allocated to the business segments and fluctuate based on the performance of the ALM activities. ALM activities include external product pricing decisions including deposit pricing strategies, the effects of our internal funds transfer pricing process and the net effects of other ALM activities.

Certain expenses not directly attributable to a specific business segment are allocated to the segments. The most significant of these expenses include data and item processing costs and certain centralized or shared functions. Data processing costs are allocated to the segments based on equipment usage. Item processing costs are allocated to the segments based on the volume of items processed for each segment. The costs of certain other centralized or shared functions are allocated based on methodologies that reflect utilization.

Effective January 1, 2013, on a prospective basis, we adjusted the amount of capital being allocated to our business segments. The adjustment reflects a refinement to the prior-year methodology (economic capital) which focused solely on internal risk-based economic capital models. The refined methodology (allocated capital) now also considers the effect of regulatory capital requirements in addition to internal risk-based economic capital models. The Corporation's internal risk-based capital models use a risk-adjusted methodology incorporating each segment's credit, market, interest rate, business and operational risk components. See Managing Risk and Strategic Risk Management on page 56 for more information on the nature of these risks. The capital allocated to the business segments is currently referred to as allocated capital and in prior years was referred to as economic capital, both of which represent non-GAAP financial measures. Allocated capital in the business segments is subject to change over time.

For purposes of goodwill impairment testing, the Corporation utilizes allocated equity as a proxy for the carrying value of its reporting units. For more information, see Note 9 - Goodwill and Intangible Assets to the Consolidated Financial Statements.

For more information on the business segments and reconciliations to consolidated total revenue, net income (loss) and period-end total assets, see Note 20 - Business Segment Information to the Consolidated Financial Statements.

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Consumer \& Business Banking
Three Months Ended March 31
Deposits $\quad$ Card


Balance Sheet
Average

| Total loans and leases | $\$ 22,616$ | $\$ 24,074$ | $\$ 106,954$ | $\$ 116,267$ | $\$ 129,570$ | $\$ 140,341$ | $(8$ | $)$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Total earning assets ${ }^{(2)}$ | 506,530 | 467,011 | 107,396 | 117,580 | 520,899 | 482,297 | 8 |  |
| Total assets ${ }^{(2)}$ | 539,319 | 500,436 | 114,429 | 123,179 | 560,721 | 521,321 | 8 |  |
| Total deposits | 502,063 | 463,715 | $\mathrm{n} / \mathrm{m}$ | $\mathrm{n} / \mathrm{m}$ | 502,483 | 464,023 | 8 |  |
| Allocated capital $^{(1)}$ | 15,400 | - | 12,600 | - | 28,000 | $\overline{1}$ | $\mathrm{n} / \mathrm{m}$ |  |
| Economic capital $^{(1)}$ | - | 12,189 | - | 10,179 | - | 22,368 | $\mathrm{n} / \mathrm{m}$ |  |


|  | March 31 | December 31March 31 |  | December 31 March 31 |  | December 31 |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Period end | 2013 | 2012 | 2013 | 2012 | 2013 | 2012 |  |  |
|  | $\$ 22,488$ | $\$ 22,907$ | $\$ 105,014$ | $\$ 110,380$ | $\$ 127,502$ | $\$ 133,287$ | $(4$ | $)$ |
| Total loans and leases | $\$ 34,098$ | 498,150 | 105,460 | 110,831 | 548,776 | 511,961 | 7 |  |
| Total earning assets ${ }^{(2)}$ | 534, |  |  |  |  |  |  |  |
| Total assets ${ }^{(2)}$ | 567,346 | 531,354 | 112,846 | 117,904 | 589,410 | 552,238 | 7 |  |
| Total deposits | 529,501 | 495,711 | $\mathrm{n} / \mathrm{m}$ | $\mathrm{n} / \mathrm{m}$ | 530,552 | 496,127 | 7 |  |

${ }^{(1)}$ Effective January 1, 2013, we revised, on a prospective basis, the methodology for allocating capital to the business segments. In connection with the change in methodology, we updated the applicable terminology in the above table to allocated capital from economic capital as reported in prior periods. For more information, see Business Segment

Operations on page 25.
${ }_{(2)}$ For presentation purposes, in segments and businesses where the total of liabilities and equity exceeds assets, we ${ }^{(2)}$ allocate assets from All Other to match the segments' and businesses' liabilities and allocated shareholders' equity. As a result, total earning assets and total assets of the businesses may not equal total CBB.
$\mathrm{n} / \mathrm{m}=$ not meaningful
CBB, which is comprised of Deposits and Card Services, offers a diversified range of credit, banking and investment products and services to consumers and businesses. Our customers and clients have access to a franchise network that stretches coast to coast through 32 states and the District of Columbia. The franchise network includes approximately 5,400 banking centers, 16,300 ATMs, nationwide call centers, and online and mobile platforms. During the first quarter of 2013, Business Banking results were moved into Deposits as we continue to integrate these businesses. Prior periods were reclassified to conform to current period presentation.

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## CBB Results

Net income for CBB decreased $\$ 63$ million to $\$ 1.4$ billion in the three months ended March 31, 2013 compared to the same period in 2012 primarily due to lower revenue and higher provision for credit losses, partially offset by lower noninterest expense. Net interest income decreased $\$ 250$ million to $\$ 4.8$ billion driven by the impact of lower average loan balances primarily in Card Services as well as compressed deposit spreads due to the continued low rate environment. Noninterest income increased $\$ 42$ million to $\$ 2.4$ billion primarily as a result of charges related to our consumer protection products in the prior-year period, partially offset by a decrease in service charges.

The provision for credit losses increased $\$ 29$ million to $\$ 906$ million largely due to an increase in Card Services. For more information, see Provision for Credit Losses on page 108. Noninterest expense decreased $\$ 155$ million to $\$ 4.1$ billion primarily due to lower operating and personnel expenses, partially offset by an increase in litigation expense.

## Deposits

Deposits includes the results of consumer deposit activities which consist of a comprehensive range of products provided to consumers and small businesses. Our deposit products include traditional savings accounts, money market savings accounts, CDs and IRAs, noninterest- and interest-bearing checking accounts, as well as investment accounts and products. The revenue is allocated to the deposit products using our funds transfer pricing process that matches assets and liabilities with similar interest rate sensitivity and maturity characteristics. Deposits generates fees such as account service fees, non-sufficient funds fees, overdraft charges and ATM fees, as well as investment and brokerage fees from Merrill Edge accounts. Merrill Edge is an integrated investing and banking service targeted at customers with less than $\$ 250,000$ in investable assets. Merrill Edge provides investment advice and guidance, brokerage services, a self-directed online investing platform and key banking capabilities including access to the Corporation's network of banking centers and ATMs.

Deposits also provides a wide range of lending-related products and services, integrated working capital management and treasury solutions to clients through our network of offices and client relationship teams along with various product partners. Our clients include U.S.-based companies generally with annual sales of $\$ 1$ million to $\$ 50$ million. Our lending products and services include commercial loans, lines of credit and real estate lending. Our capital management and treasury solutions include treasury management, foreign exchange and short-term investing options. Deposits also includes the results of our merchant services joint venture.

Deposits includes the net impact of migrating customers and their related deposit balances between Deposits and GWIM as well as other client-managed businesses. For more information on the migration of customer balances to or from GWIM, see GWIM on page 41.

Net income for Deposits of $\$ 398$ million remained relatively unchanged in the three months ended March 31, 2013 compared to the same period in 2012 as lower revenue was offset by lower noninterest expense and provision for credit losses. Net interest income declined $\$ 67$ million to $\$ 2.4$ billion driven by compressed deposit spreads due to the continued low rate environment, partially offset by ALM activities, growth in deposit balances, a customer shift to higher spread liquid products and continued pricing discipline. Noninterest income decreased $\$ 29$ million to $\$ 1.1$ billion primarily due to a decrease in service charges.

The provision for credit losses decreased $\$ 24$ million to $\$ 63$ million due to improvements in credit quality. Noninterest expense decreased $\$ 70$ million to $\$ 2.8$ billion as lower operating expense was partially offset by higher litigation expense.

Average loans decreased $\$ 1.5$ billion to $\$ 22.6$ billion primarily driven by loan prepayments and continued run-off of non-core portfolios. Average deposits increased $\$ 38.3$ billion to $\$ 502.1$ billion driven by a customer shift to more liquid products in the low rate environment and the net transfer of certain deposits from other businesses. Growth in checking, traditional savings and money market savings of $\$ 44.9$ billion was partially offset by a decline in time deposits of $\$ 6.6$ billion. As a result of our continued pricing discipline and the shift in the mix of deposits, the rate paid on average deposits declined by seven bps to 13 bps .

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Key Statistics

|  | Three Months Ended |  |  |
| :--- | :--- | :--- | :--- |
|  | March 31 |  |  |
|  | 2013 | 2012 | $\%$ |
| Total deposit spreads (excludes noninterest costs) | 1.52 | $\%$ | 1.96 |
| Period end |  |  |  |
| Client brokerage assets (in millions) | $\$ 82,616$ | $\$ 73,422$ |  |
| Online banking active accounts (units in thousands) | 30,102 | 30,439 |  |
| Mobile banking active accounts (units in thousands) | 12,641 | 9,702 |  |
| Banking centers | 5,389 | 5,651 |  |
| ATMs | 16,311 | 17,255 |  |

Mobile banking customers increased 2.9 million reflecting a change in our customers' banking preferences. The number of banking centers declined by 262 and ATMs declined by 944 as we continue to improve our cost-to-serve and optimize our consumer banking network.

## Card Services

Card Services is one of the leading issuers of credit and debit cards to consumers and small businesses in the U.S. In addition to earning net interest spread revenue on its lending activities, Card Services generates interchange revenue from credit and debit card transactions as well as annual credit card fees and other miscellaneous fees.

Net income for Card Services decreased $\$ 58$ million to $\$ 984$ million in the three months ended March 31, 2013 compared to the same period in 2012 primarily driven by a decrease in revenue and an increase in the provision for credit losses, partially offset by lower noninterest expense. Net interest income decreased $\$ 183$ million to $\$ 2.4$ billion driven by the impact of lower average loan balances. The net interest yield increased 24 bps to 9.19 percent primarily due to lower funding costs. Noninterest income increased $\$ 71$ million to $\$ 1.3$ billion primarily as a result of charges related to our consumer protection products in the prior-year period.

The provision for credit losses increased $\$ 53$ million to $\$ 843$ million as portfolio trends stabilized. Noninterest expense decreased $\$ 85$ million to $\$ 1.3$ billion primarily due to lower operating and personnel expenses.

Average loans decreased $\$ 9.3$ billion to $\$ 107.0$ billion primarily driven by charge-offs and continued run-off of non-core portfolios.

Key Statistics

|  | Three Months Ended <br> March 31 |  | 2012 |
| :--- | :--- | :--- | :--- |
| (Dollars in millions) | 2013 | 2012 |  |
| U.S. credit card | 9.95 | $\%$ | 10.06 |$\%$

The U.S. credit card risk-adjusted margin increased 185 bps due to a decrease in net charge-offs driven by an improvement in credit quality. U.S. credit card purchase volumes increased $\$ 1.8$ billion to $\$ 46.6$ billion and debit card
purchase volumes increased $\$ 1.6$ billion to $\$ 64.6$ billion reflecting higher levels of consumer spending.

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Consumer Real Estate Services
Three Months Ended March 31

|  | Home Loans |  |  | Legacy Assets \& Servicing |  |  | Total Consumer Real Estate Services |  |  | \% Change |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| (Dollars in millions) | 2013 | 2012 |  | 2013 | 2012 |  | 2013 | 2012 |  |  |
| Net interest income (FTE basis) | \$347 | \$ 347 |  | \$396 | \$ 421 |  | \$743 | \$ 768 |  | (3 )\% |
| Noninterest income: |  |  |  |  |  |  |  |  |  |  |
| Mortgage banking income | 697 | 714 |  | 790 | 1,114 |  | 1,487 | 1,828 |  | (19 |
| All other income (loss) | (64 | ) 29 |  | 146 | 39 |  | 82 | 68 |  | 21 |
| Total noninterest income | 633 | 743 |  | 936 | 1,153 |  | 1,569 | 1,896 |  | (17 |
| Total revenue, net of interest expense (FTE basis) | 980 | 1,090 |  | 1,332 | 1,574 |  | 2,312 | 2,664 |  | (13 |
| Provision for credit losses | 92 | 53 |  | 243 | 454 |  | 335 | 507 |  | (34 |
| Noninterest expense | 814 | 857 |  | 4,593 | 3,027 |  | 5,407 | 3,884 |  | 39 |
| Income (loss) before income taxes | 74 | 180 |  | (3,504 | ) $(1,907$ | ) | (3,430 | ) $(1,727$ | ) | 99 |
| Income tax expense (benefit) (FTE basis) | 28 | 66 |  | (1,301 | ) (655 | ) | (1,273 | ) (589 | ) | 116 |
| Net income (loss) | \$46 | \$ 114 |  | \$ 2,203 | ) \$ (1,252 | ) | \$(2,157 | ) \$ (1,138 | ) | 90 |
| Net interest yield (FTE basis) | 2.62 | \%2.43 | \% | 3.09 | \%2.37 | \% | 2.85 | \% 2.39 | \% |  |
| Efficiency ratio (FTE basis) | 83.06 | 78.62 |  | $\mathrm{n} / \mathrm{m}$ | $\mathrm{n} / \mathrm{m}$ |  | $\mathrm{n} / \mathrm{m}$ | $\mathrm{n} / \mathrm{m}$ |  |  |

Balance Sheet

Average
Total loans and leases
Total earning assets
Total assets
Allocated capital ${ }^{(1)}$
Economic capital ${ }^{(1)}$

Period end
Total loans and leases
Total earning assets
Total assets

| $\$ 47,228$ | $\$ 51,663$ | $\$ 45,735$ | $\$ 57,938$ | $\$ 92,963$ | $\$ 109,601$ | $(15$ | $)$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 53,746 | 57,474 | 51,969 | 71,565 | 105,715 | 129,039 | $(18$ | $)$ |
| 54,505 | 58,348 | 73,826 | 99,609 | 128,331 | 157,957 | $(19$ | $)$ |
| 6,000 | - | 18,000 | - | 24,000 | - | $n / m$ |  |
| - | 3,467 | - | 11,324 | - | 14,791 | $n / m$ |  |

March 31 December 31 March 31 December 31 March 31 December 31

| 2013 | 2012 | 2013 | 2012 | 2013 | 2012 |
| :--- | :--- | :--- | :--- | :--- | :--- |


| $\$ 46,929$ | $\$ 47,742$ | $\$ 44,042$ | $\$ 46,918$ | $\$ 90,971$ | $\$ 94,660$ | $(4)$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 55,111 | 54,394 | 50,433 | 52,580 | 105,544 | 106,974 | $(1)$ |

$55,581 \quad 55,463 \quad 73,535 \quad 75,584 \quad 129,116 \quad 131,047 \quad$ (1)
Effective January 1, 2013, we revised, on a prospective basis, the methodology for allocating capital to the
(1) business segments. In connection with the change in methodology, we updated the applicable terminology in the above table to allocated capital from economic capital as reported in prior periods. For more information, see Business Segment Operations on page 25.
$\mathrm{n} / \mathrm{m}=$ not meaningful
CRES operations include Home Loans and Legacy Assets \& Servicing. Home Loans is responsible for ongoing loan production activities and the CRES home equity loan portfolio not selected for inclusion in the Legacy Assets \& Servicing owned portfolio. Legacy Assets \& Servicing is responsible for all of our mortgage servicing activities related to loans serviced for others and loans held by the Corporation, including loans that have been designated as the

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Legacy Assets \& Servicing Portfolios. The Legacy Assets \& Servicing Portfolios (both owned and serviced), herein referred to as the Legacy Owned and Legacy Serviced Portfolios, respectively (together, the Legacy Portfolios), and as further defined below, include those loans that would not have been originated under our underwriting standards as of December 31, 2010. For additional information on our Legacy Portfolios, see page 32. In addition, Legacy Assets \& Servicing is responsible for managing legacy exposures related to CRES (e.g., representations and warranties). This alignment allows CRES management to lead the ongoing Home Loans business while also providing greater focus on legacy mortgage issues and servicing activities.

CRES, primarily through Home Loans operations, generates revenue by providing an extensive line of consumer real estate products and services to customers nationwide. CRES products offered by Home Loans include fixed- and adjustable-rate first-lien mortgage loans for home purchase and refinancing needs, home equity lines of credit (HELOCs) and home equity loans. First mortgage products are either sold into the secondary mortgage market to investors, while we generally retain MSRs (which are on the balance sheet of Legacy Assets \& Servicing) and the Bank of America customer relationships, or are held on the balance sheet in All Other for ALM purposes. Home Loans is compensated for loans held for ALM purposes on a management accounting basis with the corresponding offset in All Other. Newly originated HELOCs and home equity loans are retained on the CRES balance sheet in Home Loans.

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CRES includes the impact of transferring customers and their related loan balances between GWIM and CRES. For more information on the migration of customer balances, see GWIM on page 41.

## CRES Results

The net loss for CRES increased $\$ 1.0$ billion to $\$ 2.2$ billion in the three months ended March 31, 2013 compared to the same period in 2012 primarily driven by higher noninterest expense and lower mortgage banking income, partially offset by lower provision for credit losses. Mortgage banking income decreased $\$ 341$ million due to both lower servicing income and lower core production income. The decrease in servicing income was due to a decline in the size of our servicing portfolio driven by strategic sales of MSRs as well as loan prepayment activity. Loan prepayment activity exceeded new originations during the first quarter largely due to our exit from the correspondent lending channel in late 2011. The provision for credit losses decreased $\$ 172$ million due to improved portfolio trends and increased home prices. Noninterest expense increased $\$ 1.5$ billion primarily due to higher litigation expense driven in large part by the MBIA Settlement combined with higher default-related servicing expenses. These increases were partially offset by lower mortgage-related costs and lower costs due to the divestiture of certain ancillary servicing business units.

Home Loans
Home Loans products are available to our customers through our retail network of approximately 5,400 banking centers, mortgage loan officers in approximately 340 locations and a sales force offering our customers direct telephone and online access to our products.

Net income for Home Loans decreased $\$ 68$ million to $\$ 46$ million in the three months ended March 31, 2013 compared to the same period in 2012 primarily driven by a decrease in noninterest income and higher provision for credit losses, partially offset by lower noninterest expense. Noninterest income decreased $\$ 110$ million primarily due to the write-down of a receivable. The provision for credit losses increased $\$ 39$ million as portfolio trends remain stable. Noninterest expense decreased $\$ 43$ million primarily due to lower litigation and reduced infrastructure costs, partially offset by higher production costs associated with higher origination volume.

Legacy Assets \& Servicing
Legacy Assets \& Servicing is responsible for all of our servicing activities related to the residential mortgage and home equity loan portfolios, including owned loans and loans serviced for others (collectively, the mortgage serviced portfolio). A portion of this portfolio has been designated as the Legacy Serviced Portfolio, which represents 37 percent and 42 percent of the total mortgage serviced portfolio, as measured by unpaid principal balance, at March 31, 2013 and 2012.

Legacy Assets \& Servicing results reflect the net cost of legacy exposures that are included in the results of CRES, including representations and warranties provision, litigation costs, financial results of the CRES home equity portfolio selected as part of the Legacy Owned Portfolio, the financial results of the servicing operations and the results of MSR activities, including net hedge results. The financial results of the servicing operations reflect certain revenues and expenses on loans serviced for others, including owned loans serviced for Home Loans, GWIM and All Other.

Servicing activities include collecting cash for principal, interest and escrow payments from borrowers, and disbursing customer draws for lines of credit and accounting for and remitting principal and interest payments to investors and escrow payments to third parties along with responding to customer inquiries. Our home retention efforts, including single point of contact resources, are also part of our servicing activities, along with supervising foreclosures and
property dispositions. In an effort to help our customers avoid foreclosure, Legacy Assets \& Servicing evaluates various workout options prior to foreclosure sales which, combined with our temporary halt of foreclosures announced in October 2010, has resulted in elongated default timelines. Although we have resumed foreclosure proceedings in all states, there continues to be significant inventory levels in judicial states. For additional information on our servicing activities, including the impact of foreclosure delays, see Off-Balance Sheet Arrangements and Contractual Obligations - Other Mortgage-related Matters on page 61 of the MD\&A of the Corporation's 2012 Annual Report on Form 10-K.

The net loss for Legacy Assets \& Servicing increased $\$ 951$ million to $\$ 2.2$ billion in the three months ended March 31, 2013 compared to the same period in 2012 primarily driven by an increase in noninterest expense and a decrease in noninterest income, partially offset by a decrease in the provision for credit losses. Noninterest income decreased $\$ 217$ million primarily due to lower servicing income due to a decrease in the servicing portfolio and the divestiture of certain ancillary servicing business units in 2012, partially offset by lower representations and warranties provision. The provision for credit losses decreased $\$ 211$ million due to improved portfolio trends, as well as increased home prices in the non-PCI loan portfolio and an improved home price outlook in the PCI home equity loan portfolio.

Noninterest expense increased $\$ 1.6$ billion primarily due to a $\$ 1.7$ billion increase in litigation expense driven in large part by the MBIA Settlement and $\$ 178$ million in higher default-related servicing expenses. These increases were partially offset by a $\$ 211$ million reduction in mortgage-related assessments, waivers and similar costs related to foreclosure delays and a decrease of $\$ 125$ million due to the divestiture of certain ancillary servicing business units in 2012.

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Legacy Portfolios
The Legacy Portfolios (both owned and serviced) include those loans that would not have been originated under our underwriting standards at December 31, 2010. The PCI portfolios as well as certain loans that met a pre-defined delinquency status or probability of default threshold as of January 1, 2011 are also included in the Legacy Portfolios. Since determining the pool of loans to be included in the Legacy Portfolios as of January 1, 2011, the criteria have not changed for these portfolios, but will continue to be evaluated over time.

## Legacy Owned Portfolio

The Legacy Owned Portfolio includes those loans that met the criteria as described above and are on the balance sheet of the Corporation. The home equity loan portfolio is held on the balance sheet of Legacy Assets \& Servicing; whereas, the residential mortgage loan portfolio is held on the balance sheet of All Other. The financial results of the on-balance sheet loans are reported in the segment that owns the loans or in All Other. Total loans in the Legacy Owned Portfolio increased $\$ 685$ million during the three months ended March 31, 2013 to $\$ 131.8$ billion, of which $\$ 44.0$ billion was reflected on the Legacy Assets \& Servicing balance sheet and the remainder was held on the balance sheet of All Other. The increase was primarily related to the portion of the loans purchased in connection with the FNMA Settlement that met the criteria for inclusion in the Legacy Owned Portfolio, offset by payoffs, paydowns, charge-offs and PCI write-offs. For more information on the FNMA Settlement, see Consumer Portfolio Credit Risk Management on page 72.

Legacy Serviced Portfolio
The Legacy Serviced Portfolio includes the Legacy Owned Portfolio and those loans serviced for outside investors that met the criteria as described above. The following table summarizes the balances of the residential mortgage loans included in the Legacy Serviced Portfolio (the Legacy Residential Mortgage Serviced Portfolio) representing 37 percent and 40 percent of the total residential mortgage serviced portfolio, as measured by unpaid principal balance, of $\$ 1.1$ trillion and $\$ 1.5$ trillion at March 31, 2013 and 2012. The decline in the Legacy Residential Mortgage Serviced Portfolio was primarily related to servicing transfers, paydowns and payoffs.

Legacy Residential Mortgage Serviced Portfolio, a subset of the Residential Mortgage Serviced Portfolio ${ }^{(1,2)}$
Three Months Ended March 31
(Dollars in billions)
20132012
Unpaid principal balance
Residential mortgage loans
Total \$395 \$627
60 days or more past due $\quad 121$
Number of loans serviced (in thousands)
Residential mortgage loans
$\begin{array}{ll}\text { Total } & \text { 2,062 }\end{array}$
60 days or more past due 981
${ }^{(1)}$ Excludes $\$ 48$ billion and $\$ 76$ billion of home equity loans and HELOCs at March 31, 2013 and 2012.
(2) Excludes loans for which servicing transferred to third parties as of March 31, 2013, with an effective MSR sale date of April 1, 2013, totaling approximately $\$ 34$ billion.

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Non-Legacy Portfolio
As previously discussed, Legacy Assets \& Servicing is responsible for all of our servicing activities. The following table summarizes the balances of the residential mortgage loans that are not included in the Legacy Serviced Portfolio (the Non-Legacy Residential Mortgage Serviced Portfolio) representing 63 percent and 60 percent of the total residential mortgage serviced portfolio, as measured by unpaid principal balance, at March 31, 2013 and 2012. The decline in the Non-Legacy Residential Mortgage Serviced Portfolio was primarily related to servicing transfers, paydowns and payoffs.

Non-Legacy Residential Mortgage Serviced Portfolio, a subset of the Residential Mortgage Serviced Portfolio ${ }^{(1,2)}$ Three Months Ended March 31
(Dollars in billions)
20132012
Unpaid principal balance
Residential mortgage loans
Total \$687 \$922
60 days or more past due 20 20

Number of loans serviced (in thousands)
Residential mortgage loans
$\begin{array}{ll}\text { Total } & 4,378 \\ 5,553\end{array}$
60 days or more past due 111108
${ }^{(1)}$ Excludes $\$ 55$ billion and $\$ 61$ billion of home equity loans and HELOCs at March 31, 2013 and 2012.
(2) Excludes loans for which servicing transferred to third parties as of March 31, 2013, with an effective MSR sale date of April 1, 2013, totaling approximately $\$ 19$ billion.

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Mortgage Banking Income
CRES mortgage banking income is categorized into production and servicing income. Core production income is comprised primarily of revenue from the fair value gains and losses recognized on our interest rate lock commitments (IRLCs) and loans held-for-sale (LHFS), the related secondary market execution, costs related to representations and warranties in the sales transactions along with other obligations incurred in the sales of mortgage loans and revenues earned in production-related ancillary businesses. Ongoing costs related to representations and warranties and other obligations that were incurred in the sales of mortgage loans in prior periods are also included in production income.

Servicing income includes income earned in connection with servicing activities and MSR valuation adjustments, net of results from risk management activities used to hedge certain market risks of the MSRs. The costs associated with our servicing activities are included in noninterest expense.

The table below summarizes the components of mortgage banking income.
Mortgage Banking Income

| (Dollars in millions) | 2013 |  | 2012 |
| :---: | :---: | :---: | :---: |
| Production income: |  |  |  |
| Core production revenue | \$815 |  | \$928 |
| Representations and warranties provision | (250 |  | (282 |
| Total production income | 565 |  | 646 |
| Servicing income: |  |  |  |
| Servicing fees | 913 |  | 1,329 |
| Impact of customer payments ${ }^{(1)}$ | (314 | ) | (521 |
| Fair value changes of MSRs, net of risk management activities used to hedge certain market risks (2) | 312 |  | 194 |
| Other servicing-related revenue | 11 |  | 180 |
| Total net servicing income | 922 |  | 1,182 |
| Total CRES mortgage banking income | 1,487 |  | 1,828 |
| Eliminations ${ }^{(3)}$ | (224 | ) |  |
| Total consolidated mortgage banking income | \$1,263 |  | \$1,612 |

${ }_{\text {(1) }}$ Represents the change in the market value of the MSR asset due to the impact of customer payments received during the period.
${ }^{(2)}$ Includes gains (losses) on sales of MSRs.
${ }^{(3)}$ Includes the effect of transfers of mortgage loans from CRES to the ALM portfolio in All Other.
CRES first mortgage loan originations increased $\$ 7.1$ billion, or 58 percent, for the three months ended March 31, 2013 compared to the same period in 2012, reflecting both a higher market demand for refinances due to favorable interest rates and an increase in our estimated retail market share. Our increase in market share was due to expanded fulfillment capacity which allowed us to reduce the outstanding pipeline of applications and improve our competitive pricing position. Core production revenue decreased $\$ 113$ million as higher origination volumes were more than offset by lower margins primarily due to industry-wide margin compression. In addition, less favorable valuations of LHFS combined with lower volumes in certain production-related businesses contributed to the decline in core production revenue. During the three months ended March 31, 2013, 91 percent of our first mortgage production volume was for refinance originations and nine percent was for purchase originations compared to 84 percent and 16 percent for the same period in 2012. Home Affordable Refinance Program (HARP) refinance originations were 27 percent of all refinance originations in the three months ended March 31, 2013 as a result of expanded HARP programs over the
past year compared to 15 percent for the same period in 2012. Making Home Affordable non-HARP refinance originations were 21 percent of all refinance originations in the three months ended March 31, 2013 as compared to 13 percent for the same period in 2012. The remaining 52 percent of refinance originations related to normal conventional refinances as compared to 72 percent for the same period in 2012.

Net servicing income decreased $\$ 260$ million for the three months ended March 31, 2013 compared to the same period in 2012. The decline was driven by lower servicing fees due to a smaller servicing portfolio and lower ancillary income due to the divestiture of certain servicing business units in 2012. The decline in the size of our servicing portfolio is driven by strategic sales of MSRs as well as loan prepayment activity, which exceeded new originations, primarily due to our exit from the correspondent lending channel in late 2011. These declines were partially offset by $\$ 207$ million in reduced impact of customer payments driven by a lower MSR asset and more favorable MSR results, net of hedges. For additional information, see Note 19 - Mortgage Servicing Rights to the Consolidated Financial Statements.

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Key Statistics

| (Dollars in millions, except as noted) 2013 2012 <br> Loan production   <br> Total Corporation ${ }^{(1)}$ :   <br> First mortgage $\$ 23,920$ $\$ 15,238$ <br> Home equity 1,116 760 <br> CRES: $\$ 19,269$ $\$ 12,185$ <br> First mortgage 942 597 <br> Home equity  March 31 | December 31 <br>  <br> Period end | 2013 |
| :--- | :--- | :--- |
| Mortgage serviced portfolio (in billions) (2,3) | $\$ 1,185$ | $\$ 1,332$ |
| Mortgage loans serviced for investors (in billions) | 949 | 1,045 |
| Mortgage servicing rights: | 5,776 | 5,716 |

${ }_{(1)}$ In addition to loan production in CRES, the remaining first mortgage and home equity loan production is primarily in GWIM.
${ }^{(2)}$ Servicing of residential mortgage loans, HELOCs and home equity loans.
(3) $\quad$ Excludes loans for which servicing transferred to third parties

Retail first mortgage loan originations for the total Corporation were $\$ 23.9$ billion for the three months ended March 31,2013 compared to $\$ 15.2$ billion a year ago. The increase of $\$ 8.7$ billion was primarily driven by an increase in the overall market and increased market share.

Home equity production was $\$ 1.1$ billion for the three months ended March 31, 2013 compared to $\$ 760$ million for the same period in 2012 due to a higher demand in the market based on improving housing trends, and increased market share driven by improved banking center engagement with customers and more competitive pricing.

## Mortgage Servicing Rights

At March 31, 2013, the consumer MSR balance was $\$ 5.8$ billion, which represented 61 bps of the related unpaid principal balance compared to $\$ 5.7$ billion or 55 bps of the related unpaid principal balance at December 31, 2012. The consumer MSR balance increased $\$ 60$ million in the three months ended March 31, 2013 primarily driven by higher mortgage rates, which resulted in lower forecasted prepayment speeds partially offset by the change in the MSR asset value due to customer payments received during the period. For additional information on our servicing activities, see Off-Balance Sheet Arrangements and Contractual Obligations - Servicing Matters and Foreclosure Processes on page 52. For additional information on MSRs, see Note 19 - Mortgage Servicing Rights to the Consolidated Financial Statements.

Sales of Mortgage Servicing Rights
As previously disclosed, during the first quarter of 2013, Bank of America entered into definitive agreements with certain counterparties, and on April 1, 2013 with an additional counterparty to sell the servicing rights on certain residential mortgage loans serviced for others, with an aggregate unpaid principal balance of approximately $\$ 327$

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billion. The sales involve approximately 2.2 million loans serviced by us as of the applicable contract dates, including approximately 245,000 residential mortgage loans and approximately 24,000 home equity loans that were 60 days or more past due.

The transfers of servicing rights are expected to occur in stages throughout 2013, and began in the first quarter. Certain of the transfers are subject to the approval or consent of certain third parties. There is no assurance that all the required approvals and consents will be obtained, and accordingly, some of these transfers may not be consummated. We expect that the sales, when completed, will ultimately lead to a reduction in revenue of approximately $\$ 150$ million per quarter compared to the fourth quarter of 2012.

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Global Banking

| (Dollars in millions) | 2013 |  | 2012 |  | \% Change |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Net interest income (FTE basis) | \$2,351 |  | \$2,296 |  | 2 | \% |
| Noninterest income: |  |  |  |  |  |  |
| Service charges | 685 |  | 721 |  | (5 | ) |
| Investment banking fees | 790 |  | 651 |  | 21 |  |
| All other income | 399 |  | 568 |  | (30 | ) |
| Total noninterest income | 1,874 |  | 1,940 |  | (3 | ) |
| Total revenue, net of interest expense (FTE basis) | 4,225 |  | 4,236 |  | - |  |
| Provision for credit losses | 195 |  | (245 | ) | $\mathrm{n} / \mathrm{m}$ |  |
| Noninterest expense | 1,900 |  | 1,997 |  | (5 | ) |
| Income before income taxes | 2,130 |  | 2,484 |  | (14 | ) |
| Income tax expense (FTE basis) | 792 |  | 911 |  | (13 | ) |
| Net income | \$1,338 |  | \$1,573 |  | (15 | ) |
| Net interest yield (FTE basis) | 3.29 | \% | 3.33 | \% |  |  |
| Return on average allocated capital ${ }^{(1)}$ | 21.72 |  | - |  |  |  |
| Return on average economic capital ${ }^{(1)}$ | - |  | 31.34 |  |  |  |
| Efficiency ratio (FTE basis) | 44.96 |  | 47.13 |  |  |  |

Balance Sheet
Average

| Total loans and leases | $\$ 280,305$ | $\$ 266,206$ | 5 |
| :--- | :--- | :--- | :--- |
| Total earning assets | 289,452 | 277,039 | 4 |
| Total assets | 332,781 | 320,252 | 4 |
| Total deposits | 221,492 | 210,940 | 5 |
| Allocated capital $^{(1)}$ | 25,000 | - | $\mathrm{n} / \mathrm{m}$ |
| Economic capital ${ }^{(1)}$ | - | 20,200 | $\mathrm{n} / \mathrm{m}$ |
|  |  |  |  |
| Period end | March 31 | December 31 |  |
| Total loans and leases | 2013 | 2012 |  |
| Total earning assets | $\$ 287,263$ | $\$ 278,286$ | 3 |
| Total assets | 297,382 | 289,455 | 3 |
| Total deposits | 340,281 | 334,264 | 2 |

Effective January 1, 2013, we revised, on a prospective basis, the methodology for allocating capital to the business segments. In connection with the change in methodology, we updated the applicable terminology in the above table to allocated capital from economic capital as reported in prior periods. For more information, see Business Segment Operations on page 25.
$\mathrm{n} / \mathrm{m}=$ not meaningful
Global Banking, which includes Global Corporate and Global Commercial Banking, and Investment Banking, provides a wide range of lending-related products and services, integrated working capital management and treasury solutions to clients, and underwriting and advisory services through our network of offices and client relationship teams. Our lending products and services include commercial loans, leases, commitment facilities, trade finance, real

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estate lending, asset-based lending and direct/indirect consumer loans. Our treasury solutions business includes treasury management, foreign exchange and short-term investing options. We also work with our clients to provide investment banking products such as debt and equity underwriting and distribution, and merger-related and other advisory services. Underwriting debt and equity issuances, fixed-income and equity research, and certain market-based activities are executed through our global broker/dealer affiliates which are our primary dealers in several countries. Within Global Banking, Global Commercial Banking clients generally include middle-market companies, commercial real estate firms, auto dealerships and not-for-profit companies. Global Corporate Banking includes large global corporations, financial institutions and leasing clients.

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Net income for Global Banking decreased $\$ 235$ million to $\$ 1.3$ billion in the three months ended March 31, 2013 compared to the same period in 2012 primarily driven by an increase in the provision for credit losses, partially offset by lower noninterest expense.

Revenue remained relatively unchanged as higher investment banking fees and net interest income were offset by lower other income which included gains on liquidation of certain portfolios in the prior-year period.

The provision for credit losses increased $\$ 440$ million to $\$ 195$ million primarily as a result of stabilization of asset quality and core commercial loan growth.

Noninterest expense decreased $\$ 97$ million to $\$ 1.9$ billion primarily due to lower personnel expenses.

## Global Corporate and Global Commercial Banking

Global Corporate and Global Commercial Banking include Global Treasury Services and Business Lending activities. Global Treasury Services includes deposits, treasury management, credit card, foreign exchange, short-term investment and custody solutions to corporate and commercial banking clients. Business Lending includes various lending-related products and services including commercial loans, leases, commitment facilities, trade finance, real estate lending, asset-based lending and direct/indirect consumer loans. The table below presents a summary of Global Corporate and Global Commercial Banking results.

Global Corporate and Global Commercial Banking
Three Months Ended March 31

|  | Global Corporate Banking |  | Global Commercial <br> Banking <br> (Dollars in millions) |  | 2013 | 2012 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |

Balance Sheet
Average

| Total loans and leases | $\$ 118,791$ | $\$ 112,991$ | $\$ 161,502$ | $\$ 152,318$ | $\$ 280,293$ | $\$ 265,309$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Total deposits | 119,191 | 105,763 | 102,261 | 105,147 | 221,452 | 210,910 |
|  |  |  |  |  |  |  |
| Period end | $\$ 123,705$ | $\$ 109,327$ | $\$ 163,559$ | $\$ 151,194$ | $\$ 287,264$ | $\$ 260,521$ |
| Total loans and leases | 127,146 | 108,250 | 100,455 | 103,082 | 227,601 | 211,332 |

Global Corporate and Global Commercial Banking revenue remained relatively unchanged for the three months ended March 31, 2013 compared to the same period in 2012 as higher revenue in Business Lending was offset by a decrease in Global Treasury Services revenue.

Business Lending revenue in Global Corporate Banking remained relatively unchanged as the impact on revenue of growth in loan balances was offset by lower accretion on acquired portfolios and gains on liquidation of certain portfolios in the prior-year period. Business Lending revenue in Global Commercial Banking increased $\$ 45$ million as increases in the commercial and industrial, and commercial real estate portfolios offset the impact of the low rate
environment and declines in the consumer auto loan portfolio from run-off of a liquidating portfolio.
Global Treasury Services revenue remained relatively unchanged as the impact of the low rate environment was partially offset by growth in U.S. and non-U.S. deposit balances.

Average loans and leases in Global Corporate and Global Commercial Banking increased six percent for the three months ended March 31, 2013 compared to the same period in 2012 driven by growth in U.S. and non-U.S. commercial and industrial, leasing and commercial real estate portfolios from higher client demand, partially offset by declines in the consumer auto loan portfolio from run-off of a liquidating auto loan portfolio. Average deposits in Global Corporate and Global Commercial Banking increased five percent as balances continued to grow due to client liquidity, international growth and limited alternative investment options.

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Investment Banking
Client teams and product specialists underwrite and distribute debt, equity and other loan products, and provide advisory services and tailored risk management solutions. The economics of certain investment banking and underwriting activities are shared primarily between Global Banking and Global Markets based on the contribution by and involvement of each segment. To provide a complete discussion of our consolidated investment banking fees, the table below presents total Corporation investment banking fees as well as the portion attributable to Global Banking.

Investment Banking Fees
$\left.\begin{array}{llllll}\text { (Dollars in millions) } & 2013 & 2012 & 2013 & 2012 \\ \text { Products } & & & & \\ \text { Advisory } & \$ 233 & \$ 190 & \$ 257 & \$ 203 \\ \text { Debt issuance } & 428 & 347 & 1,022 & 775 \\ \text { Equity issuance } & 129 & 114 & 323 & 305 \\ \text { Gross investment banking fees } & 790 & 651 & 1,602 & 1,283 \\ \text { Self-led } & (28 & (20 & (67 & (66\end{array}\right)$

Total Corporation investment banking fees of $\$ 1.5$ billion, excluding self-led deals, included within Global Banking and Global Markets, increased 26 percent for the three months ended March 31, 2013 compared to the same period in 2012 due to strong performance in debt underwriting and advisory fees.

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Global Markets
(Dollars in millions)
Net interest income (FTE basis)
Noninterest income:
Investment and brokerage services
Investment banking fees
Trading account profits
All other income (loss)
Total noninterest income
Total revenue, net of interest expense (FTE basis)
Three Months Ended March
31

| Provision for credit losses | 5 | $(13$ | $)$ | $\mathrm{n} / \mathrm{m}$ |
| :--- | :--- | :--- | :--- | :--- |
| Noninterest expense | 3,076 | 3,239 | $(5$ |  |
| Income before income taxes | 1,791 | 1,185 | 51 |  |
| Income tax expense (FTE basis) | 622 | 357 | 74 |  |
| Net income | $\$ 1,169$ | $\$ 828$ | 41 |  |

Return on average allocated capital ${ }^{(1)}$
Return on average economic capital (1)
15.83 \% -

Efficiency ratio (FTE basis)

| 2013 | 2012 | \% Change |  |
| :--- | :--- | :--- | :---: |
| $\$ 1,111$ | $\$ 910$ | 22 |  |
|  |  | $\%$ |  |
| 528 | 514 | 3 |  |
| 679 | 556 | 22 |  |
| 2,890 | 2,037 | 42 |  |
| $(336$ | 394 | $\mathrm{n} / \mathrm{m}$ |  |
| 3,761 | 3,501 | 7 |  |
| 4,872 | 4,411 | 10 |  |
|  |  |  |  |
| 5 | $(13$ | $)$ |  |
| $3 / \mathrm{n} / \mathrm{m}$ |  |  |  |
| 3,076 | 3,239 | $(5$ |  |
| 1,791 | 1,185 | 51 |  |
| 622 | 357 | 74 |  |
| $\$ 1,169$ | $\$ 828$ | 41 |  |

Balance Sheet
Average

| Total trading-related assets (2) | $\$ 504,266$ | $\$ 448,731$ | 12 |
| :--- | :--- | :--- | :--- |
| Total earning assets (2) | 509,732 | 436,871 | 17 |
| Total assets | 666,626 | 573,305 | 16 |
| Allocated capital ${ }^{(1)}$ | 30,000 | - | $\mathrm{n} / \mathrm{m}$ |
| Economic capital ${ }^{(1)}$ | - | 14,384 | $\mathrm{n} / \mathrm{m}$ |
|  |  |  |  |
| Period end | March 31 | December 31 |  |
| Total trading-related assets (2) | 2013 | 2012 |  |
| Total earning assets (2) | $\$ 467,826$ | $\$ 465,836$ | - |
| Total assets | 480,077 | 486,503 | $(1$ |

Effective January 1, 2013, we revised, on a prospective basis, the methodology for allocating capital to the
(1) business segments. In connection with the change in methodology, we updated the applicable terminology in the above table to allocated capital from economic capital as reported in prior periods. For more information, see Business Segment Operations on page 25.
${ }^{(2)}$ Trading-related assets include derivative assets, which are considered non-earning assets.
$\mathrm{n} / \mathrm{m}=$ not meaningful
Global Markets offers sales and trading services, including research, to institutional clients across fixed-income, credit, currency, commodity and equity businesses. Global Markets product coverage includes securities and derivative products in both the primary and secondary markets. Global Markets provides market-making, financing, securities clearing, settlement and custody services globally to our institutional investor clients in support of their investing and trading activities. We also work with our commercial and corporate clients to provide risk management

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products using interest rate, equity, credit, currency and commodity derivatives, foreign exchange, fixed-income and mortgage-related products. As a result of our market-making activities in these products, we may be required to manage risk in government securities, equity and equity-linked securities, high-grade and high-yield corporate debt securities, MBS, commodities and asset-backed securities (ABS). In addition, the economics of certain investment banking and underwriting activities are shared primarily between Global Markets and Global Banking based on the activities performed by each segment. Global Banking originates certain deal-related transactions with our corporate and commercial clients that are executed and distributed by Global Markets. For additional information on investment banking fees on a consolidated basis, see page 38.

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Net income for Global Markets increased $\$ 341$ million to $\$ 1.2$ billion for the three months ended March 31, 2013 compared to the same period in 2012. In the three months ended March 31, 2013, net DVA losses on derivatives were $\$ 55$ million compared to $\$ 1.4$ billion for the same period in 2012. Excluding net DVA, net income decreased $\$ 527$ million to $\$ 1.2$ billion primarily driven by lower FICC revenue partially offset by lower noninterest expense. Noninterest expense decreased $\$ 163$ million to $\$ 3.1$ billion due to a reduction in operating costs.

Average earning assets increased $\$ 72.9$ billion to $\$ 509.7$ billion largely driven by increased client financing activity in the equities business as well as increases in trading-related assets and securities borrowed transactions.

## Sales and Trading Revenue

Sales and trading revenue includes unrealized and realized gains and losses on trading and other assets, net interest income, and fees primarily from commissions on equity securities. Sales and trading revenue is segregated into fixed income (government debt obligations, investment and non-investment grade corporate debt obligations, CMBS, RMBS and collateralized debt obligations (CDOs)), currencies (interest rate and foreign exchange contracts), commodities (primarily futures, forwards, swaps and options) and equities (equity-linked derivatives and cash equity activity). The table below and related discussion present sales and trading revenue, substantially all of which is in Global Markets with the remainder in Global Banking. In addition, the table below and related discussion present sales and trading revenue excluding DVA, which is a non-GAAP financial measure. We believe the use of this non-GAAP financial measure provides clarity in assessing the underlying performance of these businesses.

Sales and Trading Revenue ${ }^{(1,2)}$

|  | Three Months Ended March 31 |  |
| :---: | :---: | :---: |
| (Dollars in millions) | 2013 | 2012 |
| Sales and trading revenue |  |  |
| Fixed income, currencies and commodities | \$2,936 | \$2,843 |
| Equities | 1,159 | 912 |
| Total sales and trading revenue | \$4,095 | \$3,755 |
| Sales and trading revenue, excluding net DVA ${ }^{(3)}$ |  |  |
| Fixed income, currencies and commodities | \$3,001 | \$4,130 |
| Equities | 1,149 | 1,059 |
| Total sales and trading revenue, excluding net DVA | \$4,150 | \$5,189 |
| Includes FTE adjustments of \$46 million and \$50 million for the three months ended March 31, 2013 and 2012 |  |  |
| ${ }^{(1)}$ For additional information on sales and trading revenue, see Note 3 - Derivatives to the Consolidated Financia Statements. |  |  |
| (2) Includes Global Banking sales and trading revenue of $\$ 68$ million and $\$ 114$ million for the three months ended March 31, 2013 and 2012. |  |  |
| (3) non-GAAP financial measure. Net DVA losses included in FICC revenue were $\$ 65$ million and net DVA gains included in equities revenue were $\$ 10$ million for the three months ended March 31, 2013 compared to net DVA losses of $\$ 1.3$ billion and $\$ 147$ million for the same period in 2012. |  |  |

FICC revenue, including net DVA, increased $\$ 93$ million to $\$ 2.9$ billion. Excluding the impact of credit spreads on net DVA, FICC revenue decreased $\$ 1.1$ billion to $\$ 3.0$ billion partially driven by a $\$ 450$ million write-down of a receivable, of which $\$ 300$ million of the aforementioned fair value decrease was attributable to increased risk of MBIA going into rehabilitation or liquidation proceedings in the near term, significantly lower spreads primarily in credit-related products, and less favorable market conditions in commodities, as well as a gain on the sale of an equity

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investment in our mortgage business in the prior-year period. For additional information regarding the MBIA Settlement, see Recent Events - MBIA Settlement on page 6. Equities revenue, including net DVA, increased \$247 million to $\$ 1.2$ billion. Excluding the impact of credit spreads on net DVA, equities revenue increased $\$ 90$ million to $\$ 1.1$ billion primarily due to higher client financing balances. Sales and trading revenue included total commissions and brokerage fee revenue of $\$ 528$ million for the three months ended March 31, 2013 compared to $\$ 514$ million for the same period in 2012, substantially all from equities in both periods. The $\$ 14$ million increase in commissions and brokerage fee revenue was primarily due to a higher equity market share.

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Global Wealth \& Investment Management

| (Dollars in millions) | 2013 | 2012 | \% Change |
| :--- | :--- | :--- | :--- |
| Net interest income (FTE basis) | $\$ 1,596$ | $\$ 1,531$ | 4 |
| Noninterest income: |  |  |  |
| Investment and brokerage services | 2,331 | 2,175 | 7 |
| All other income | 494 | 441 | 12 |
| Total noninterest income | 2,825 | 2,616 | 8 |
| Total revenue, net of interest expense (FTE basis) | 4,421 | 4,147 | 7 |
|  |  |  |  |
| Provision for credit losses | 22 | 46 | $(52$ |
| Noninterest expense | 3,253 | 3,232 | 1 |
| Income before income taxes | 1,146 | 869 | 32 |
| Income tax expense (FTE basis) $_{\text {Net income }}$ | 426 | 319 | 34 |
| Net interest yield (FTE basis) | $\$ 720$ | $\$ 550$ | 31 |
| Return on average allocated capital ${ }^{(1)}$ |  |  |  |
| Return on average economic capital ${ }^{(1)}$ | 2.46 | $\%$ | 2.46 |
| Efficiency ratio (FTE basis) | 29.38 | - |  |

Balance Sheet

Average
$\left.\begin{array}{llll}\text { Total loans and leases } & \$ 106,082 & \$ 98,016 & 8 \\ \text { Total earning assets } & 263,484 & 250,727 & 5 \\ \text { Total assets } & 282,298 & 269,674 & 5 \\ \text { Total deposits } & 253,413 & 239,859 & 6 \\ \text { Allocated capital }{ }^{(1)} & 10,000 & - & \mathrm{n} / \mathrm{m} \\ \text { Economic capital }{ }^{(1)} & - & 6,420 & \mathrm{n} / \mathrm{m} \\ & & & \\ \text { Period end } & \text { March } 31 & \text { December } 31 & \\ \text { Total loans and leases } & 2013 & 2012 & \\ \text { Total earning assets } & \$ 107,048 & \$ 105,928 & 1 \\ \text { Total assets } & 248,960 & 277,103 & (10 \\ \text { Total deposits } & 268,263 & 297,326 & (10\end{array}\right)$

Effective January 1, 2013, we revised, on a prospective basis, the methodology for allocating capital to the (1) business segments. In connection with the change in methodology, we updated the applicable terminology in the above table to allocated capital from economic capital as reported in prior periods. For more information, see Business Segment Operations on page 25.
$\mathrm{n} / \mathrm{m}=$ not meaningful
GWIM consists of two primary businesses: Merrill Lynch Global Wealth Management (MLGWM) and U.S. Trust, Bank of America Private Wealth Management (U.S. Trust).

MLGWM's advisory business provides a high-touch client experience through a network of financial advisors focused on clients with over $\$ 250,000$ in total investable assets. MLGWM provides tailored solutions to meet our clients'
needs through a full set of brokerage, banking and retirement products.
U.S. Trust, together with MLGWM's Private Banking \& Investments Group, provides comprehensive wealth management solutions targeted to wealthy and ultra-wealthy clients with investable assets of more than $\$ 5$ million, as well as customized solutions to meet clients' wealth structuring, investment management, trust and banking needs, including specialty asset management services.

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Net income increased $\$ 170$ million to $\$ 720$ million, a record since the Merrill Lynch \& Co., Inc. (Merrill Lynch) merger, in the three months ended March 31, 2013 compared to the same period in 2012 driven by higher revenue and lower provision for credit losses, partially offset by higher noninterest expense. Revenue increased $\$ 274$ million to $\$ 4.4$ billion, also a post-merger record, primarily driven by higher asset management fees related to higher market levels and long-term AUM flows, increased transactional revenue and higher net interest income. The provision for credit losses decreased $\$ 24$ million to $\$ 22$ million driven by improvement in the home equity portfolio. Noninterest expense of $\$ 3.3$ billion increased slightly as higher volume-driven expenses and litigation expenses were partially offset by lower non-volume driven personnel costs.

For the three months ended March 31, 2013, revenue from MLGWM was $\$ 3.7$ billion, up seven percent, and revenue from U.S. Trust was $\$ 721$ million, up six percent, both driven by higher noninterest income and net interest income.

## Net Migration Summary

GWIM results are impacted by the migration of clients and their related deposit and loan balances to or from CBB, CRES and the ALM portfolio, as presented in the table below. The migration this quarter included $\$ 18.9$ billion of deposits from clients that were identified as being better aligned with CBB. We move clients, from time to time, between business segments where we can best meet the needs of our clients.

Migration Summary

|  | Three Months Ended March 31 |  |  |
| :---: | :---: | :---: | :---: |
| (Dollars in millions) | 2013 |  | 2012 |
| Average |  |  |  |
| Total deposits, net - GWIM to CBB | \$(7,291 | ) | \$ 89 |
| Total loans, net - GWIM to CRES and the ALM portfolio | (14 | ) | (95 |
| Period end |  |  |  |
| Total deposits, net - GWIM to CBB | \$(18,548 | ) | \$(87 |
| Total loans, net - GWIM to CRES and the ALM portfolio | (29 | ) | (144 |

## Client Balances

The table below presents client balances which consist of AUM, brokerage assets, assets in custody, deposits, and loans and leases.

Client Balances by Type

| (Dollars in millions) | March 31 | December 31 |
| :--- | :--- | :--- |
| Assets under management | 2013 | 2012 |
| Brokerage assets | $\$ 745,260$ | $\$ 698,095$ |
| Assets in custody | $1,026,495$ | 975,388 |
| Deposits | 127,013 | 117,686 |
| Loans and leases (1) | 239,853 | 266,188 |
| Total client balances | 110,103 | 109,305 |

[^0]The increase of $\$ 82.1$ billion, or four percent, in client balances was primarily driven by higher market levels and post-merger record long-term AUM flows, partially offset by deposit balance migration to CBB as described above.

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All Other
(Dollars in millions)

Three Months Ended
March 31

|  |  |  |  |  | ang |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Net interest income (FTE basis) | \$254 |  | \$478 |  | (47 | )\% |
| Noninterest income: |  |  |  |  |  |  |
| Card income | 85 |  | 87 |  | (2 | ) |
| Equity investment income | 520 |  | 429 |  | 21 |  |
| Gains on sales of debt securities | 67 |  | 712 |  | $(91$ | ) |
| All other loss | (562 | ) | (2,101 | ) | (73 | ) |
| Total noninterest income (loss) | 110 |  | (873 | ) | $n / m$ |  |
| Total revenue, net of interest expense (FTE basis) | 364 |  | (395 | ) | $\mathrm{n} / \mathrm{m}$ |  |
| Provision for credit losses | 250 |  | 1,246 |  | (80 | ) |
| Noninterest expense | 1,756 |  | 2,526 |  | (30 | ) |
| Loss before income taxes | (1,642 | ) | (4,167 | ) | (61 | ) |
| Income tax benefit (FTE basis) | (673 | ) | (1,562 | ) | (57 | ) |
| Net loss | \$(969 | ) | \$ 2,605 | ) | (63 | ) |

Balance Sheet
Average
Loans and leases:
Residential mortgage
Non-U.S. credit card
Other
Total loans and leases
Total assets ${ }^{(1)}$
Total deposits

Period end
Loans and leases:
Residential mortgage
Non-U.S. credit card
Other
Total loans and leases
Total assets ${ }^{(1)}$
Total deposits

| $\$ 215,342$ | $\$ 232,806$ | $(8$ | $)$ |
| :--- | :--- | :--- | :--- |
| 11,027 | 14,151 | $(22$ | $)$ |
| 18,188 | 23,271 | $(22$ | $)$ |
| 244,557 | 270,228 | $(9$ | $)$ |
| 241,673 | 344,665 | $(30$ | $)$ |
| 35,550 | 52,529 | $(32$ | $)$ |

March 31 December 31
20132012

For presentation purposes, in segments where the total of liabilities and equity exceeds assets, which are generally
(1) deposit-taking segments, we allocate assets from All Other to those segments to match liabilities (i.e., deposits) and allocated shareholders' equity. Such allocated assets were $\$ 538.0$ billion and $\$ 486.5$ billion for the three months ended March 31, 2013 and 2012, and $\$ 552.8$ billion and $\$ 537.8$ billion at March 31, 2013 and December 31, 2012.
$\mathrm{n} / \mathrm{m}=$ not meaningful
All Other consists of ALM activities, equity investments, liquidating businesses, residual expense allocations and other. ALM activities encompass the whole-loan residential mortgage portfolio and investment securities, interest rate and foreign currency risk management activities including the residual net interest income allocation, gains/losses on

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structured liabilities, the impact of certain allocation methodologies and accounting hedge ineffectiveness. For more information on our ALM activities, see Interest Rate Risk Management for Nontrading Activities on page 118. Equity investments include GPI which is comprised of a diversified portfolio of equity, real estate and other alternative investments. These investments are made either directly in a company or held through a fund with related income recorded in equity investment income. Equity investments also include strategic investments, which include our investment in China Construction Bank Corporation (CCB) and certain other investments. Additionally, All Other includes certain residential mortgage loans that are managed by Legacy Assets \& Servicing.

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The net loss for All Other decreased $\$ 1.6$ billion to $\$ 969$ million in the three months ended March 31, 2013 compared to the same period in 2012 primarily due to negative fair value adjustments on structured liabilities of $\$ 90$ million related to the improvement in our credit spreads compared to $\$ 3.3$ billion in the same period in 2012, a $\$ 996$ million reduction in the provision for credit losses and a decrease in noninterest expense of $\$ 770$ million. Partially offsetting these items were $\$ 1.2$ billion in gains related to exchanges of trust preferred securities in the year-ago period, a decrease of $\$ 645$ million in gains on sales of debt securities.

The provision for credit losses decreased $\$ 996$ million to $\$ 250$ million in the three months ended March 31, 2013 compared to the same period in 2012 primarily driven by the impact of an improved home price outlook on the residential mortgage PCI portfolio driving a reserve reduction in the current quarter compared to a reserve build in the year-ago quarter.

Noninterest expense decreased $\$ 770$ million to $\$ 1.8$ billion due to lower litigation and personnel expenses. The income tax benefit was $\$ 673$ million compared to a benefit of $\$ 1.6$ billion for the same period in 2012, with the decrease primarily attributable to the decline in pre-tax loss in All Other.

In January 2013, in connection with the FNMA Settlement, we repurchased certain residential mortgage loans, all of which are held in All Other. For additional information, see Note 8 - Representations and Warranties Obligations and Corporate Guarantees to the Consolidated Financial Statements.

## Equity Investment Activity

The tables below present the components of equity investments included in All Other at March 31, 2013 and December 31, 2012, and also a reconciliation to the total consolidated equity investment income for the three months ended March 31, 2013 and 2012.

Equity Investments

| (Dollars in millions) | March 31 | December 31 |
| :--- | :--- | :--- |
| Global Principal Investments | 2013 | 2012 |
| Strategic and other investments | $\$ 2,786$ | $\$ 3,470$ |
| Total equity investments included in All Other | 2,072 | 2,038 |
| $\$ 4,858$ | $\$ 5,508$ |  |

Equity Investment Income

|  | Three Months Ended March 31 |  |
| :---: | :---: | :---: |
| (Dollars in millions) | 2013 | 2012 |
| Global Principal Investments | \$104 | \$403 |
| Strategic and other investments | 416 | 26 |
| Total equity investment income included in All Other | 520 | 429 |
| Total equity investment income included in the business segments | 43 | 336 |
| Total consolidated equity investment income | \$563 | \$765 |

Equity investments included in All Other decreased $\$ 650$ million to $\$ 4.9$ billion at March 31, 2013, with the decrease due to sales in the GPI portfolio. In addition, GPI had unfunded equity commitments of $\$ 198$ million at March 31, 2013 compared to $\$ 224$ million at December 31, 2012.

At March 31, 2013 and December 31, 2012, we owned 2.0 billion shares representing approximately one percent of CCB. Sales restrictions on these shares continue until August 2013. Because the sales restrictions on these shares will

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expire within one year, these securities are classified as AFS marketable equity securities and carried at fair value with the after-tax unrealized gain included in accumulated OCI. At March 31, 2013, the cost basis was $\$ 716$ million and the fair value was $\$ 1.5$ billion.

Equity investment income included in All Other was $\$ 520$ million in the three months ended March 31, 2013, an increase of $\$ 91$ million from the same period in 2012, reflecting gains on the sale of other investments, partially offset by lower results in GPI. Total Corporation equity investment income was $\$ 563$ million in the three months ended March 31, 2013, a decrease of $\$ 202$ million from the same period in 2012, as the year-ago quarter included gains on the sale of an investment in Global Markets.

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## Off-Balance Sheet Arrangements and Contractual Obligations

We have contractual obligations to make future payments on debt and lease agreements. Additionally, in the normal course of business, we enter into contractual arrangements whereby we commit to future purchases of products or services from unaffiliated parties. For additional information on our obligations and commitments, see Note 11 Commitments and Contingencies to the Consolidated Financial Statements, Off-Balance Sheet Arrangements and Contractual Obligations on page 54 of the MD\&A of the Corporation's 2012 Annual Report on Form 10-K, as well as Note 12 - Long-term Debt and Note 13 - Commitments and Contingencies to the Consolidated Financial Statements of the Corporation's 2012 Annual Report on Form 10-K.

Representations and Warranties
We securitize first-lien residential mortgage loans generally in the form of MBS guaranteed by the government-sponsored enterprises (GSEs) or by GNMA in the case of Federal Housing Administration (FHA)-insured, U.S. Department of Veterans Affairs (VA)-guaranteed and Rural Housing Service-guaranteed mortgage loans. In addition, in prior years, legacy companies and certain subsidiaries sold pools of first-lien residential mortgage loans and home equity loans as private-label securitizations (in certain of these securitizations, monolines or financial guarantee providers insured all or some of the securities) or in the form of whole loans. In connection with these transactions, we or certain of our subsidiaries or legacy companies make or have made various representations and warranties. Breaches of these representations and warranties may result in the requirement to repurchase mortgage loans or to otherwise make whole or provide other remedies to the GSEs, U.S. Department of Housing and Urban Development (HUD) with respect to FHA-insured loans, VA, whole-loan investors, securitization trusts, monoline insurers or other financial guarantors (collectively, repurchases). In all such cases, we would be exposed to any credit loss on the repurchased mortgage loans after accounting for any mortgage insurance (MI) or mortgage guarantee payments that we may receive.

Subject to the requirements and limitations of the applicable sales and securitization agreements, these representations and warranties can be enforced by the GSEs, HUD, VA, the whole-loan investor, the securitization trustee or others as governed by the applicable agreement or, in certain first-lien and home equity securitizations where monoline insurers or other financial guarantee providers have insured all or some of the securities issued, by the monoline insurer or other financial guarantor, where the contract so provides. In the case of private-label securitizations, the applicable agreements may permit investors, which may include the GSEs, with contractually sufficient holdings to direct or influence action by the securitization trustee. In the case of loans sold to parties other than the GSEs or GNMA, the contractual liability to repurchase typically arises only if there is a breach of the representations and warranties that materially and adversely affects the interest of the investor, or investors, or of the monoline insurer or other financial guarantor (as applicable) in the loan. Contracts with the GSEs do not contain equivalent language, while GNMA generally limits repurchases to loans that are not insured or guaranteed as required.

For additional information about accounting for representations and warranties and our representations and warranties repurchase claims and exposures, see Note 8 - Representations and Warranties Obligations and Corporate Guarantees and Note 13 - Commitments and Contingencies to the Consolidated Financial Statements of the Corporation's 2012 Annual Report on Form 10-K and Item 1A. Risk Factors of the Corporation's 2012 Annual Report on Form 10-K.

Representations and Warranties Bulk Settlement Actions
We have settled, or entered into agreements to settle, certain bulk representations and warranties claims (1) with a trustee (the Trustee) for certain Countrywide private-label securitization trusts in 2011 (the BNY Mellon Settlement), (2) with three monoline insurers, Assured Guaranty Ltd. and subsidiaries in 2011(the Assured Guaranty Settlement), Syncora Guarantee Inc. and Syncora Holdings, Ltd. in 2012 (the Syncora Settlement) and MBIA Inc. and subsidiaries

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pursuant to the MBIA Settlement in 2013, (3) with each of the GSEs in 2010 (2010 GSE Agreements), and (4) with FNMA pursuant to the FNMA Settlement in 2013.

We have vigorously contested any request for repurchase when we conclude that a valid basis for repurchase does not exist and will continue to do so in the future. However, in an effort to resolve these legacy mortgage-related issues, we have reached bulk settlements, or agreements for bulk settlements, including settlement amounts which have been material, with the above-referenced counterparties in lieu of a loan-by-loan review process. For instance, in the first quarter of 2013 we entered into the FNMA Settlement to resolve substantially all outstanding and potential repurchase and certain other claims relating to the origination, sale and delivery of residential mortgage loans originated from January 1, 2000 through December 31, 2008 and sold directly to FNMA by entities related to Countrywide and BANA. We may reach other settlements in the future if opportunities arise on terms we believe to be advantageous. However, there can be no assurance that we will reach future settlements or, if we do, that the terms of past settlements can be relied upon to predict the terms of future settlements. For a summary of the larger bulk settlement actions and the related impact on the representations and warranties provision and liability, see Note 8 Representations and Warranties Obligations and Corporate Guarantees herein and Note 13 - Commitments and Contingencies to the Consolidated Financial Statements of the Corporation's 2012 Annual Report on Form 10-K. These

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bulk settlements generally did not cover all transactions with the relevant counterparties or all potential claims that may arise, including in some instances securities law, fraud and servicing claims, and our liability in connection with the transactions and claims not covered by these settlements could be material.

The BNY Mellon Settlement, entered into in June 2011, is subject to final court approval and certain other conditions. The court approval hearing on the settlement is scheduled to begin on May 30, 2013. Although we are not a party to the proceeding, certain of our rights and obligations under the settlement agreement are conditioned on final court approval of the settlement.

There can be no assurance that final court approval of the BNY Mellon Settlement will be obtained, that all conditions to the BNY Mellon Settlement will be satisfied or, if certain conditions to the BNY Mellon Settlement permitting withdrawal are met, that we and Countrywide will not withdraw from the settlement. If final court approval is not obtained or if we and Countrywide withdraw from the BNY Mellon Settlement in accordance with its terms, our future representations and warranties losses could be substantially different than existing accruals and the estimated range of possible loss over existing accruals. For more information about the risks associated with the BNY Mellon Settlement, see Item 1A. Risk Factors of the Corporation's 2012 Annual Report on Form 10-K.

## MBIA Settlement

On May 7, 2013, we entered into the MBIA Settlement which resolved all outstanding litigation between the parties, as well as other claims between the parties, including outstanding and potential claims from MBIA related to alleged representations and warranties breaches and other claims involving certain first- and second-lien RMBS trusts for which MBIA provided financial guarantee insurance, certain of which claims are the subject of litigation. As of March 31, 2013, the mortgages (first- and second-lien) in RMBS trusts covered by the MBIA Settlement had an original principal balance of $\$ 54.8$ billion and an unpaid principal balance of $\$ 19.2$ billion. For additional information, see Recent Events - MBIA Settlement on page 6, the Experience with Investors Other than Government-sponsored Enterprises - Monoline Insurers section herein and Note 8 - Representations and Warranties Obligations and Corporate Guarantees and Note 11 - Commitments and Contingencies to the Consolidated Financial Statements.

## Unresolved Claims Status

## Unresolved Repurchase Claims

During the three months ended March 31, 2013, we received $\$ 1.8$ billion in new repurchase claims, including $\$ 398$ million submitted by the GSEs for both Countrywide and legacy Bank of America originations not covered by the bulk settlements with the GSEs, $\$ 1.3$ billion submitted by private-label securitization trustees, $\$ 134$ million submitted by whole-loan investors, primarily third-party securitization sponsors, and $\$ 42$ million submitted by monoline insurers. During the three months ended March 31, 2013, $\$ 13.0$ billion in claims were resolved, primarily with the GSEs, including $\$ 12.2$ billion in GSE claims resolved through the FNMA Settlement. Of the remaining claims that were resolved, $\$ 409$ million were resolved through rescissions and $\$ 311$ million were resolved through mortgage repurchases and make-whole payments. For more information on unresolved repurchase claims from the GSEs, monoline insurers, private-label securitization trustees, whole-loan investors and others, and the resolution of such claims, see Note 8 - Representations and Warranties Obligations and Corporate Guarantees to the Consolidated Financial Statements.

At March 31, 2013, the total notional amount of our unresolved representations and warranties repurchase claims was approximately $\$ 17.1$ billion compared to $\$ 28.3$ billion at December 31, 2012. These repurchase claims do not include any repurchase claims related to the trusts covered by the BNY Mellon Settlement. Unresolved repurchase claims represent the notional amount of repurchase claims made by counterparties, typically the outstanding principal balance
or the unpaid principal balance at the time of default. In the case of first-lien mortgages, the claim amount is often significantly greater than the expected loss amount due to the benefit of collateral and, in some cases, MI or mortgage guarantee payments. Claims received from a counterparty remain outstanding until the underlying loan is repurchased, the claim is rescinded by the counterparty, or the claim is otherwise resolved. When a claim is denied and we do not receive a response from the counterparty, the claim remains in the unresolved repurchase claims balance until resolution.

The notional amount of unresolved GSE repurchase claims totaled $\$ 1.1$ billion at March 31, 2013 compared to $\$ 13.5$ billion at December 31, 2012. As a result of the FNMA Settlement, $\$ 12.2$ billion of GSE repurchase claims outstanding at December 31, 2012 were resolved in January 2013.

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The notional amount of unresolved monoline repurchase claims totaled $\$ 2.5$ billion at March 31, 2013 compared to $\$ 2.4$ billion at December 31, 2012. We have had limited loan-level repurchase claims experience with the majority of the monoline insurers due to ongoing litigation. In our experience, the monolines have been generally unwilling to withdraw repurchase claims, regardless of whether and what evidence was offered to refute a claim. Substantially all of the unresolved monoline claims pertain to second-lien loans and are currently the subject of litigation. As a result of the MBIA Settlement, $\$ 945$ million of monoline repurchase claims outstanding at March 31, 2013 were resolved in May 2013.

The notional amount of unresolved repurchase claims from private-label securitization trustees, third-party securitization sponsors, whole-loan investors and others increased to $\$ 13.5$ billion at March 31, 2013 compared to $\$ 12.3$ billion at December 31, 2012. The increase in the notional amount of unresolved repurchase claims is primarily due to continued submission of claims by private-label securitization trustees and a third-party securitization sponsor; the level of detail, support and analysis which impacts overall claim quality and, therefore, claims resolution; and the lack of an established process to resolve disputes related to these claims. We expect unresolved repurchase claims related to private-label securitizations to continue to increase as claims continue to be submitted by private-label securitization trustees and third-party securitization sponsors and there is not an established process for the ultimate resolution of claims on which there is a disagreement.

In addition to, and not included in, the total unresolved repurchase claims of $\$ 17.1$ billion at March 31, 2013, we have received repurchase demands from private-label securitization investors and a master servicer where we believe the claimants have not satisfied the contractual thresholds to direct the securitization trustee to take action and/or that these demands are otherwise procedurally or substantively invalid. The total amounts outstanding of such demands were $\$ 1.6$ billion at both March 31, 2013 and December 31, 2012, comprised of $\$ 1.3$ billion in claims received during 2012 and approximately $\$ 300$ million related to trusts covered by the BNY Mellon Settlement. We do not believe that the $\$ 1.6$ billion in demands outstanding at March 31, 2013 represents valid repurchase claims and, therefore, it is not possible to predict the resolution with respect to such demands.

## Open Mortgage Insurance Rescission Notices

In addition to repurchase claims, we receive notices from mortgage insurance companies of claim denials, cancellations or coverage rescission (collectively, MI rescission notices) and the number of such notices has remained elevated. At March 31, 2013, we had approximately 109,000 open MI rescission notices compared to 110,000 at December 31, 2012, including 48,000 pertaining principally to first-lien mortgages serviced for others, 11,000 pertaining to loans held-for-investment (HFI) and 50,000 pertaining to ongoing litigation for second-lien mortgages. Approximately 26,000 of the open MI rescission notices pertaining to first-lien mortgages serviced for others are related to loans sold to FNMA. As of March 31, 2013, 35 percent of the MI rescission notices received have been resolved. Of those resolved, 19 percent were resolved through our acceptance of the MI rescission, 61 percent were resolved through reinstatement of coverage or payment of the claim by the mortgage insurance company, and 20 percent were resolved on an aggregate basis through settlement, policy commutation or similar arrangement. As of March 31, 2013, 65 percent of the MI rescission notices we have received have not yet been resolved. Of those not yet resolved, 46 percent are implicated by ongoing litigation where no loan-level review is currently contemplated or required to preserve our legal rights. In this litigation, the litigating mortgage insurance companies are also seeking bulk rescission of certain policies, separate and apart from loan-by-loan denials or rescissions. We are in the process of reviewing 31 percent of the remaining open MI rescission notices, and we have reviewed and are contesting the MI rescission with respect to 69 percent of these remaining open MI rescission notices. Of the remaining open MI rescission notices, 41 percent are also the subject of ongoing litigation; although, at present, these MI rescissions are being processed in a manner generally consistent with those not affected by litigation.

Although the FNMA Settlement did not resolve underlying MI rescission notices, the FNMA Settlement resolved significant representations and warranties exposures, including unresolved and potential repurchase claims from FNMA resulting solely from MI rescission notices relating to loans covered by the FNMA Settlement. Our pipeline of unresolved repurchase claims from the GSEs resulting solely from MI rescission notices decreased to $\$ 427$ million at March 31, 2013 from $\$ 2.3$ billion at December 31, 2012 as the FNMA Settlement resolved approximately $\$ 1.9$ billion of such unresolved repurchase claims. Many of these claims represent repurchase claims on loans for which we received an MI rescission notice that is included in the 26,000 open MI rescission notices referenced in the paragraph above. In addition, the FNMA Settlement clarified the parties' obligations with respect to MI rescission notices including establishing timeframes for certain payments and other actions, setting parameters for potential bulk settlements and providing for cooperation in future dealings with mortgage insurers. As a result, we are required to pay the amount of certain MI coverage to FNMA as a result of MI claims rescissions in advance of collection from the mortgage insurance companies and have remitted the amounts required under the agreement related to the 26,000 open MI rescission notices. In certain cases, we may not ultimately collect all such amounts from the mortgage insurance companies. For additional information, see Off-Balance Sheet Arrangements and Contractual Obligations Unresolved Claims Status - Open Mortgage Insurance Rescission Notices on page 57 of the MD\&A of the Corporation's 2012 Annual Report on Form 10-K.

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Representations and Warranties Liability
The liability for representations and warranties and corporate guarantees is included in accrued expenses and other liabilities on the Consolidated Balance Sheet and the related provision is included in mortgage banking income.

The liability for obligations under representations and warranties and the corresponding estimated range of possible loss for these representations and warranties exposures do not consider any losses related to litigation matters, including litigation brought by monoline insurers, nor do they include any separate foreclosure costs and related costs, assessments and compensatory fees or any other possible losses related to potential claims for breaches of performance of servicing obligations, except as such losses are included as potential costs of the BNY Mellon Settlement, potential securities law or fraud claims or potential indemnity or other claims against us, including claims related to loans insured by the FHA. We are not able to reasonably estimate the amount of any possible loss with respect to any such servicing, securities law, fraud or other claims against us, except to the extent reflected in the aggregate estimated range of possible loss for litigation and regulatory matters disclosed in Note 11 - Commitments and Contingencies to the Consolidated Financial Statements; however, such loss could be material.

At March 31, 2013 and December 31, 2012, the liability for representations and warranties and corporate guarantees was $\$ 14.1$ billion and $\$ 19.0$ billion, with the decrease primarily driven by the payment and repurchase of loans related to the FNMA Settlement. For the three months ended March 31, 2013 and 2012, the representations and warranties and corporate guarantees provision was $\$ 250$ million and $\$ 282$ million. The provision for the three months ended March 31, 2013 was primarily driven by remaining GSE exposures and, to a lesser extent, by our obligations related to MI rescissions.

## Estimated Range of Possible Loss

Our estimated liability at March 31, 2013 for obligations under representations and warranties is necessarily dependent on, and limited by, a number of factors, including for private-label securitizations, the implied repurchase experience based on the BNY Mellon Settlement, as well as certain other assumptions and judgmental factors. Accordingly, future provisions associated with obligations under representations and warranties may be materially impacted if actual experiences are different from historical experience or our understandings, interpretations or assumptions.

In the case of non-GSE exposures, including private-label securitizations, our estimate of the representations and warranties liability and the corresponding estimated range of possible loss considers, among other things, repurchase experience based on the BNY Mellon Settlement, adjusted to reflect differences between the trusts covered by the BNY Mellon Settlement (Covered Trusts) and the remainder of the population of private-label securitizations, and assumes that the conditions to the BNY Mellon Settlement will be met. Where relevant, we also take into account more recent experience, such as increased claims and other facts and circumstances, such as bulk settlements, as we believe appropriate.

The representations and warranties liability represents our best estimate of probable incurred losses as of March 31, 2013. However, it is reasonably possible that future representations and warranties losses may occur in excess of the amounts recorded for these exposures. In addition, we have not recorded any representations and warranties liability for certain potential private-label securitization and whole-loan exposures where we have little to no claim activity. We currently estimate that the range of possible loss for representations and warranties exposures could be up to $\$ 4$ billion over accruals at both March 31, 2013 and December 31, 2012. The estimated range of possible loss reflects the impact of the FNMA Settlement and, as a result, addresses principally non-GSE exposures. The estimated range of possible loss related to these representations and warranties exposures does not represent a probable loss, and is based on currently available information, significant judgment and a number of assumptions that are subject to change. Our
estimated range of possible loss related to representations and warranties exposures does not include possible losses related to monoline insurers.

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Future provisions and/or ranges of possible loss for representations and warranties may be significantly impacted if actual experiences are different from our assumptions in our predictive models, including, without limitation, ultimate resolution of the BNY Mellon Settlement, estimated repurchase rates, estimated MI rescission rates, economic conditions, estimated home prices, consumer and counterparty behavior, and a variety of other judgmental factors. Adverse developments with respect to one or more of the assumptions underlying the liability for representations and warranties and the corresponding estimated range of possible loss could result in significant increases to future provisions and/or the estimated range of possible loss. For example, an appellate court, in the context of claims brought by a monoline insurer, recently disagreed with our interpretation that a loan must be in default in order to satisfy the underlying agreements' requirement that a breach have a material and adverse effect. If that decision is extended to non-monoline contexts, it could significantly impact our provision and/or the estimated range of possible loss. Additionally, if court rulings related to monoline litigation, including one related to us, that have allowed sampling of loan files instead of requiring a loan-by-loan review to determine if a representations and warranties breach has occurred, are followed generally by the courts in future monoline litigation, private-label securitization counterparties may view litigation as a more attractive alternative compared to a loan-by-loan review. Finally, although we believe that the representations and warranties typically given in non-GSE transactions are less rigorous and actionable than those given in GSE transactions, we do not have significant experience resolving loan-level claims in non-GSE transactions to measure the impact of these differences on the probability that a loan will be required to be repurchased.

For additional information about the methodology used to estimate the representations and warranties liability and the corresponding estimated range of possible loss for representations and warranties exposures, see Note 8 Representations and Warranties Obligations and Corporate Guarantees to the Consolidated Financial Statements and, for information related to the sensitivity of the assumptions used to estimate our liability for obligations under representations and warranties, see Complex Accounting Estimates - Representations and Warranties on page 126 of the MD\&A of the Corporation's 2012 Annual Report on Form 10-K.

## Experience with Government-sponsored Enterprises

As a result of the FNMA Settlement and earlier bulk settlements with the GSEs, our exposure to repurchase claims from the GSEs for vintages prior to 2009 has been significantly reduced. After these settlements, our exposure to representations and warranties liability for loans originated prior to 2009 and sold to the GSEs is limited to loans with an original principal balance of $\$ 205.9$ billion and loans with certain defects excluded from the settlements that we do not believe will be material, such as title defects and certain specified violations of FNMA's charter. As of March 31, 2013 , of the $\$ 205.9$ billion, approximately $\$ 165.3$ billion in principal has been paid, $\$ 10.9$ billion in principal has defaulted or was severely delinquent and the notional amount of unresolved repurchase claims submitted by the GSEs was $\$ 861$ million related to these vintages. We have performed an initial review with respect to $\$ 690$ million of these claims and do not believe a valid basis for repurchase has been established by the claimant and are still in the process of reviewing the remaining $\$ 171$ million of these claims.

The FNMA Settlement and earlier bulk settlements did not address loans originated after 2008. However, we believe that changes made to our operations and underwriting policies have reduced our exposure to the GSEs related to loans originated after 2008. In addition, we estimate that lifetime losses on these vintages will be significantly less than the losses we have experienced with respect to vintages prior to 2009. We have sold $\$ 497.7$ billion of loans originated after 2008 to the GSEs. At March 31, 2013, approximately $\$ 213.4$ billion in principal has been paid, $\$ 4.2$ billion in principal has defaulted or was severely delinquent and the notional amount of unresolved repurchase claims submitted by the GSEs was $\$ 277$ million related to these vintages. We have performed an initial review with respect to $\$ 244$ million of these claims and do not believe a valid basis for repurchase has been established by the claimant and are still in the process of reviewing the remaining $\$ 33$ million of these claims.

Experience with Investors Other than Government-sponsored Enterprises
In prior years, legacy companies and certain subsidiaries sold pools of first-lien mortgage loans and home equity loans as private-label securitizations or in the form of whole loans originated from 2004 through 2008 with an original principal balance of $\$ 963$ billion to investors other than GSEs (although the GSEs are investors in certain private-label securitizations), of which approximately $\$ 534$ billion in principal has been paid, $\$ 244$ billion in principal has defaulted or was severely delinquent, and $\$ 185$ billion is current or less than 180 days past due at March 31, 2013. For additional information, see Off-Balance Sheet Arrangements and Contractual Obligations - Experience with Investors Other than Government-sponsored Enterprises on page 59 of the MD\&A of the Corporation's 2012 Annual Report on Form 10-K.

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Table 12 details the population of loans originated between 2004 and 2008 and the population of loans sold as whole loans or in non-agency securitizations by entity and product together with the defaulted and severely delinquent loans stratified by the number of payments the borrower made prior to default or becoming severely delinquent as of March 31, 2013. We believe many of the defaults observed in these securitizations have been, and continue to be, driven by external factors like the substantial depreciation in home prices, persistently high unemployment and other negative economic trends, diminishing the likelihood that any loan defect (assuming one exists at all) was the cause of a loan's default. As of March 31, 2013, approximately 25 percent of the loans sold to non-GSEs that were originated between 2004 and 2008 have defaulted or are severely delinquent. Of the original principal balance for Countrywide, $\$ 409$ billion is included in the BNY Mellon Settlement and, of this amount, $\$ 111$ billion was defaulted or severely delinquent at March 31, 2013.

Table 12
Overview of Non-Agency Securitization and Whole Loan Balances

| (Dollars in billions) | ncipa |  | ault | Severel | delinquent | Borrower <br> Made <br> Less than <br> 13 <br> Payments | Borrower <br> Made <br> 13 to 24 <br> Payments | Borrower <br> Made <br> 25 to 36 <br> Payments | Borrower <br> Made <br> More than <br> 36 <br> Payments |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Original Principal Balance | Outstanding <br> Principal <br> Balance <br> March 31 <br> 2013 | Outstandin Principal Balance 180 Days or More Past Due | g <br> Defaulted <br> Principal <br> Balance | Defaulted <br> or <br> Severely <br> Delinquent |  |  |  |  |
| By Entity |  |  |  |  |  |  |  |  |  |
| Bank of America | \$100 | \$21 | \$4 | \$6 | \$ 10 | \$1 | \$2 | \$2 | \$5 |
| Countrywide | 716 | 195 | 52 | 137 | 189 | 25 | 45 | 46 | 73 |
| Merrill Lynch | 65 | 16 | 3 | 14 | 17 | 3 | 4 | 3 | 7 |
| First Franklin | 82 | 17 | 5 | 23 | 28 | 5 | 6 | 5 | 12 |
| Total ${ }^{(1,2)}$ | \$963 | \$249 | \$64 | \$180 | \$244 | \$34 | \$57 | \$56 | \$97 |
| By Product |  |  |  |  |  |  |  |  |  |
| Prime | \$302 | \$79 | \$10 | \$24 | \$34 | \$2 | \$6 | \$7 | \$19 |
| Alt-A | 172 | 55 | 13 | 37 | 50 | 8 | 12 | 12 | 18 |
| Pay option | 150 | 41 | 16 | 40 | 56 | 5 | 14 | 16 | 21 |
| Subprime | 245 | 60 | 21 | 61 | 82 | 17 | 20 | 16 | 29 |
| Home equity |  | 12 | - | 18 | 18 | 2 | 5 | 4 | 7 |
| Other | 6 | 2 | 4 | - | 4 | - | - | 1 | 3 |
| Total | \$963 | \$249 | \$64 | \$180 | \$244 | \$34 | \$57 | \$56 | \$97 |

${ }_{(1)}$ Excludes transactions sponsored by Bank of America and Merrill Lynch where no representations or warranties were made.
${ }^{(2)}$ Includes exposures on third-party sponsored transactions related to legacy entity originations.

## Monoline Insurers

Legacy companies sold $\$ 184.5$ billion of loans originated between 2004 and 2008 into monoline-insured securitizations, which are included in Table 12, including $\$ 103.9$ billion of first-lien mortgages and $\$ 80.6$ billion of second-lien mortgages. Of these balances, $\$ 48.0$ billion of the first-lien mortgages and $\$ 52.1$ billion of the second-lien mortgages have been paid in full, and $\$ 35.4$ billion of the first-lien mortgages and $\$ 17.7$ billion of the second-lien mortgages have defaulted or are severely delinquent at March 31, 2013. At least 25 payments have been made on approximately 58 percent of the defaulted and severely delinquent loans. Of the first-lien mortgages sold, $\$ 39.1$
billion, or 38 percent, were sold as whole loans to other institutions which subsequently included these loans with those of other originators in private-label securitization transactions in which the monolines insured one or more securities. During the three months ended March 31, 2013, there was minimal repurchase claim activity with the monolines.

At March 31, 2013, for loans originated between 2004 and 2008, the unpaid principal balance of loans related to unresolved monoline repurchase claims was $\$ 2.5$ billion compared to $\$ 2.4$ billion at December 31, 2012. At March 31, 2013, the unpaid principal balance of loans in these vintages for which the monolines had requested loan files for review but for which no repurchase claim had been received was $\$ 5.3$ billion, excluding loans that had been paid in full or resolved through settlements. Of these file requests, $\$ 4.0$ billion are aged and subject to ongoing litigation. There will likely be additional requests for loan files in the future leading to repurchase claims. In addition, we have received claims from private-label securitization trustees and a third-party securitization sponsor related to first-lien third-party sponsored securitizations that include monoline insurance.

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The MBIA Settlement resolved outstanding and potential claims between the parties to the settlement involving 31 first- and 17 second-lien RMBS trusts for which MBIA provided financial guarantee insurance, including $\$ 945$ million of monoline repurchase claims outstanding at March 31, 2013. In addition, this settlement covered loans with an unpaid principal balance of $\$ 2.6$ billion for which we have received file requests but for which no repurchase claim was received as of March 31, 2013. The first- and second-lien mortgages in the covered RMBS trusts had an original principal balance of $\$ 29.3$ billion and $\$ 25.5$ billion, and an unpaid principal balance of $\$ 9.8$ billion and $\$ 9.4$ billion as of March 31, 2013.

For additional information on historical repurchase claim activity, see Off-Balance Sheet Arrangements and Contractual Obligations - Experience with Investors Other than Government-sponsored Enterprises - Monoline Insurers on page 60 of the MD\&A of the Corporation's 2012 Annual Report on Form 10-K.

## Whole Loans and Private-label Securitizations

Legacy entities, and to a lesser extent Bank of America, sold loans to investors as whole loans or via private-label securitizations. The majority of the loans sold were included in private-label securitizations, including third-party sponsored transactions. We provided representations and warranties to the whole-loan investors and these investors may retain those rights even when the whole loans were aggregated with other collateral into private-label securitizations sponsored by the whole-loan investors. The loans sold with an original total principal balance of $\$ 778.2$ billion, included in Table 12, were originated between 2004 and 2008, of which $\$ 433.7$ billion have been paid in full and $\$ 190.8$ billion are defaulted or severely delinquent at March 31, 2013. At least 25 payments have been made on approximately 64 percent of the defaulted and severely delinquent loans. We have received approximately $\$ 20.7$ billion of representations and warranties repurchase claims from whole-loan investors, including third-party sponsors, and private-label securitization investors and trustees related to these vintages, including $\$ 11.8$ billion from private-label securitization trustees, $\$ 8.1$ billion from whole-loan investors and $\$ 813$ million from one private-label securitization counterparty. In private-label securitizations, certain presentation thresholds need to be met in order for investors to direct a trustee to assert repurchase claims. Continued high levels of new private-label claims are primarily related to repurchase requests received from trustees and third-party sponsors for private-label securitization transactions not included in the BNY Mellon Settlement, including claims related to first-lien third-party sponsored securitizations that include monoline insurance. Over time, there has been an increase in requests for loan files from certain private-label securitization trustees, as well as requests for tolling agreements to toll the applicable statute of limitations relating to representations and warranties repurchase claims, and we believe it is likely that these requests will lead to an increase in repurchase claims from private-label securitization trustees with standing to bring such claims. In addition, private-label securitization trustees may have obtained loan files through other means, including litigation and administrative subpoenas.

We have resolved $\$ 7.4$ billion of the claims received from whole-loan investors and private-label securitization investors and trustees with losses of $\$ 1.7$ billion. The majority of these resolved claims were from third-party whole-loan investors. Approximately $\$ 3.0$ billion of these claims were resolved through repurchase or indemnification and $\$ 4.4$ billion were rescinded by the investor. At March 31, 2013, for loans originated between 2004 and 2008, the notional amount of unresolved repurchase claims submitted by private-label securitization trustees and whole-loan investors was $\$ 13.3$ billion. We have performed an initial review with respect to $\$ 12.4$ billion of these claims and do not believe a valid basis for repurchase has been established by the claimant and are still in the process of reviewing the remaining $\$ 908$ million of these claims.

Certain whole-loan investors have engaged with us in a consistent repurchase process and we have used that and other experience to record a liability related to existing and future claims from such counterparties. The BNY Mellon Settlement and subsequent activity with certain counterparties led to the determination that we had sufficient experience to record a liability related to our exposure on certain private-label securitizations but did not provide

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sufficient experience related to certain private-label securitizations sponsored by third-party whole-loan investors. As it relates to the other private-label securitizations sponsored by third-party whole-loan investors and certain other whole loan sales, it is not possible to determine whether a loss has occurred or is probable and, therefore, no representations and warranties liability has been recorded in connection with these transactions. Until we receive a repurchase claim, we generally do not review loan files related to private-label securitizations sponsored by third-party whole-loan investors (and are not required by the governing documents to do so). Our estimated range of possible loss related to representations and warranties exposures as of March 31, 2013 included possible losses related to these whole loan sales and private-label securitizations sponsored by third-party whole-loan investors.

Private-label securitization investors generally do not have the contractual right to demand repurchase of loans directly or the right to access loan files. We have received repurchase demands totaling $\$ 1.6$ billion from private-label securitization investors and a master servicer where in each case we believe the claimant has not satisfied the contractual thresholds to direct the securitization trustee to take action and/or that the demands are otherwise procedurally or substantively invalid.

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## Servicing Matters and Foreclosure Processes

We service a large portion of the loans we or our subsidiaries have securitized and also service loans on behalf of third-party securitization vehicles and other investors. Our servicing obligations are set forth in servicing agreements with the applicable counterparty. These obligations may include, but are not limited to, loan repurchase requirements in certain circumstances, indemnifications, payment of fees, advances for foreclosure costs that are not reimbursable, or responsibility for losses in excess of partial guarantees for VA loans.

Servicing agreements with the GSEs generally provide the GSEs with broader rights relative to the servicer than are found in servicing agreements with private investors. For example, each GSE typically claims the right to demand that the servicer repurchase loans that breach the seller's representations and warranties made in connection with the initial sale of the loans even if the servicer was not the seller. The GSEs claim that they have the contractual right to demand indemnification or loan repurchase for certain servicing breaches. In addition, the GSEs' first-lien mortgage seller/servicer guides provide for timelines to resolve delinquent loans through workout efforts or liquidation, if necessary, and purport to require the imposition of compensatory fees if those deadlines are not satisfied except for reasons beyond the control of the servicer, although we believe that the governing contracts, our course of dealing, and collective past practices and understandings should inform resolution of these matters. In addition, many non-agency RMBS and whole-loan servicing agreements state that the servicer may be liable for failure to perform its servicing obligations in keeping with industry standards or for acts or omissions that involve willful malfeasance, bad faith or gross negligence in the performance of, or reckless disregard of, the servicer's duties.

It is not possible to reasonably estimate our liability with respect to certain potential servicing-related claims. While we have recorded certain accruals for servicing-related claims, the amount of potential liability in excess of existing accruals could be material. For additional information, see Off-Balance Sheet Arrangements and Contractual Obligations - Servicing Matters and Foreclosure Processes on page 61 of the MD\&A of the Corporation's 2012 Annual Report on Form 10-K.

In October 2010, we voluntarily stopped taking residential mortgage foreclosure proceedings to judgment in states where foreclosure requires a court order following a legal proceeding (judicial states) and stopped foreclosure sales in all states in order to complete an assessment of related business processes. We have resumed foreclosure sales in all states, but our progress on foreclosure sales in judicial states has been much slower than in states where foreclosure does not require a court order (nonjudicial states).

## 2013 IFR Acceleration Agreement

On January 7, 2013, Bank of America and other mortgage servicing institutions entered into an agreement with the Office of the Comptroller of the Currency (OCC) and the Federal Reserve to cease the Independent Foreclosure Review (IFR) that had commenced pursuant to a consent order entered into by Bank of America with the Federal Reserve and by BANA with the OCC on April 13, 2011 (2011 OCC Consent Order) and replace it with an accelerated remediation process (2013 IFR Acceleration Agreement). The 2013 IFR Acceleration Agreement requires us to provide $\$ 1.8$ billion of borrower assistance in the form of loan modifications and other foreclosure prevention actions, and in addition, we made a cash payment of $\$ 1.1$ billion into a qualified settlement fund in the first quarter of 2013, which was fully reserved at December 31, 2012. The borrower assistance program is not expected to result in any incremental credit provision, as we believe that the existing allowance for credit losses is adequate to absorb any costs that have not already been recorded as charge-offs.

National Mortgage Settlement

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In March 2012, we entered into settlement agreements (collectively, the National Mortgage Settlement) with (1) the U.S. Department of Justice, various federal regulatory agencies and 49 state Attorneys General to resolve federal and state investigations into certain residential mortgage origination, servicing and foreclosure practices, (2) HUD to resolve certain claims relating to the origination of FHA-insured mortgage loans, primarily originated by Countrywide prior to and for a period following our acquisition of that lender, and (3) each of the Federal Reserve and the OCC regarding civil monetary penalties related to conduct that was the subject of consent orders entered into with the banking regulators in April 2011. The National Mortgage Settlement was entered by the court as a consent judgment on April 5, 2012. The National Mortgage Settlement provided for the establishment of certain uniform servicing standards, upfront cash payments of approximately $\$ 1.9$ billion to the state and federal governments and for borrower restitution, approximately $\$ 7.6$ billion in borrower assistance in the form of, among other things, credits earned for principal reduction, short sales, deeds-in-lieu of foreclosure and approximately $\$ 1.0$ billion of credits earned for interest rate reduction modifications. In addition, the settlement with HUD provided for an upfront cash payment of $\$ 500$ million to settle certain claims related to FHA-insured loans. We will also be obligated to provide additional cash payments of up to $\$ 850$ million if we fail to earn an additional $\$ 850$ million of credits stemming from incremental first-lien principal reductions over a three-year period.

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We also entered into agreements with several states under which we committed to perform certain minimum levels of principal reduction and related activities within those states in connection with the National Mortgage Settlement, and under which we could be required to make additional payments if we fail to meet such minimum levels.

Subject to confirmation by the independent monitor appointed as a result of the National Mortgage Settlement to review and certify compliance with its provisions, we believe we have substantially fulfilled all borrower assistance, rate reduction modification and principal reduction commitments and, therefore, do not expect to be required to make additional cash payments. The borrower assistance program did not result in any incremental credit losses as of the settlement date, as the existing allowance for credit losses was adequate to absorb any losses that had not already been charged-off. Under the interest rate reduction program, modifications of approximately 20,200 loans with an aggregate unpaid principal balance of $\$ 5.4$ billion have been completed as of March 31, 2013, including approximately 12,600 modifications that were completed during the first quarter. These modifications, which are not accounted for as troubled debt restructurings (TDRs), provided for an average interest rate reduction of approximately two percent, resulting in an estimated decrease in fair value of the modified loans of approximately $\$ 600$ million and a reduction in annual interest income of approximately $\$ 104$ million. An additional 2,500 loans are expected to be modified under this program. Although we may incur additional operating costs such as servicing costs to implement parts of the National Mortgage Settlement in future periods, we do not expect that those costs will be material.

Under the terms of the National Mortgage Settlement, the federal and participating state governments agreed to release us from further liability for certain alleged residential mortgage origination, servicing and foreclosure deficiencies. In settling origination issues related to FHA-guaranteed loans originated on or before April 30, 2009, we received a release from further liability for all origination claims with respect to such loans if an insurance claim had been submitted to the FHA prior to January 1, 2012 and a release of multiple damages and penalties, but not single damages, if no such claim had been submitted. In addition, provided we meet our assistance and remediation commitments, the OCC agreed not to assess, and we will not be obligated to pay to the Federal Reserve, any civil monetary penalties.

The National Mortgage Settlement does not cover certain claims arising out of origination, securitization (including representations made to investors with respect to MBS), criminal claims, private claims by borrowers, claims by certain states for injunctive relief or actual economic damages to borrowers related to the Mortgage Electronic Registration Systems, Inc. (MERS), and claims by the GSEs (including repurchase demands), among other items. For additional information on MERS, see Off-Balance Sheet Arrangements and Contractual Obligations - Mortgage Electronic Registration Systems, Inc. on page 63 of the MD\&A of the Corporation's 2012 Annual Report on Form 10-K.

Additionally, we continue to be subject to additional borrower and non-borrower litigation and governmental and regulatory scrutiny related to our past and current origination, servicing and foreclosure activities, including those claims not covered by the National Mortgage Settlement. This scrutiny may extend beyond our pending foreclosure matters to issues arising out of alleged irregularities with respect to previously completed foreclosure activities. The current environment of heightened regulatory scrutiny may subject us to inquiries or investigations that could significantly adversely affect our reputation and result in material costs to us.

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Impact of Foreclosure Delays
Foreclosure delays impact our default-related servicing costs. We believe default-related servicing costs peaked in late 2012 and we anticipate that these costs will decline in 2013. However, unexpected foreclosure delays in 2013 could impact the rate of decline. Default-related servicing costs include costs related to resources needed for implementing new servicing standards mandated for the industry, including as part of the National Mortgage Settlement, other operational changes and operational costs due to delayed foreclosures, and do not include mortgage-related assessments, waivers and similar costs related to foreclosure delays.

Other areas of our operations are also impacted by foreclosure delays. In the three months ended March 31, 2013, we recorded $\$ 199$ million of mortgage-related assessments, waivers and similar costs related to foreclosure delays. It is also possible that the delays in foreclosure sales may result in additional costs and expenses, including costs associated with the maintenance of properties or possible home price declines while foreclosures are delayed. Finally, the time to complete foreclosure sales may continue to be protracted, which may result in a greater number of nonperforming loans and increased servicing advances, and may impact the collectability of such advances and the value of our MSR asset, MBS and real estate owned properties. Accordingly, the ultimate resolution of disagreements with counterparties, delays in foreclosure sales beyond those currently anticipated, and any issues that may arise out of alleged irregularities in our foreclosure process could significantly increase the costs associated with our mortgage operations.

## Mortgage-related Settlements - Servicing Matters

In connection with the BNY Mellon Settlement, BANA has agreed to implement certain servicing changes. The Trustee and BANA have agreed to clarify and conform certain servicing standards related to loss mitigation. In particular, the BNY Mellon Settlement clarifies that it is permissible to apply the same loss mitigation strategies to the Covered Trusts as are applied to BANA affiliates' HFI portfolios. This portion of the agreement was effective in the second quarter of 2011 and is not conditioned on final court approval.

BANA also agreed to transfer the servicing rights related to certain high-risk loans to qualified subservicers on a schedule that began with the signing of the BNY Mellon Settlement. This servicing transfer protocol will reduce the servicing fees payable to BANA in the future. Upon final court approval of the BNY Mellon Settlement, failure to meet the established benchmarking standards for loans not in subservicing arrangements can trigger the payment of agreed-upon fees. Additionally, we and Countrywide have agreed to work to resolve with the Trustee certain mortgage documentation issues related to the enforceability of mortgages in foreclosure and to reimburse the related Covered Trust for any loss if BANA is unable to foreclose on the mortgage and the Covered Trust is not made whole by a title policy because of these issues. These agreements will terminate if final court approval of the BNY Mellon Settlement is not obtained, although we could still have exposure under the pooling and servicing agreements related to the mortgages in the Covered Trusts for these issues.

In connection with the National Mortgage Settlement, BANA has agreed to implement certain additional servicing changes. The uniform servicing standards established under the National Mortgage Settlement are broadly consistent with the residential mortgage servicing practices imposed by the 2011 OCC Consent Order; however, they are more prescriptive and cover a broader range of our residential mortgage servicing activities. These standards are intended to strengthen procedural safeguards and documentation requirements associated with foreclosure, bankruptcy and loss mitigation activities, as well as addressing the imposition of fees and the integrity of documentation, with a goal of ensuring greater transparency for borrowers. These uniform servicing standards also obligate us to implement compliance processes reasonably designed to provide assurance of the achievement of these objectives. Compliance with the uniform servicing standards will be assessed by a monitor based on the measurement of outcomes with respect to these objectives. Implementation of these uniform servicing standards is expected to contribute to elevated
costs associated with the servicing process, but is not expected to result in material delays or dislocation in the performance of our mortgage servicing obligations, including the completion of foreclosures. For additional information, see Off-Balance Sheet Arrangements and Contractual Obligations - Mortgage-related Settlements Servicing Matters on page 63 of the MD\&A of the Corporation's 2012 Annual Report on Form 10-K.

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Regulatory Matters

## U.K. Regulatory Framework

Prior to April 1, 2013, our financial services operations in the U.K. were subject to regulation by and supervision of the Financial Services Authority (FSA). On April 1, 2013, the U.K. abolished the FSA, replacing it with two new regulators, the Prudential Regulatory Authority (PRA) and the Financial Conduct Authority (FCA). The PRA operates as a subsidiary of the Bank of England with responsibility for prudential regulation and supervision of banks, insurers and systemically significant investment firms. The FCA regulates and supervises the market conduct of all U.K. financial firms and prudentially regulates those firms not within the scope of the PRA. Our financial services operations in the U.K. are now subject to regulation and supervision by both the PRA and FCA.

## Financial Reform Act

The Dodd-Frank Wall Street Reform and Consumer Protection Act (Financial Reform Act), which was signed into law on July 21, 2010, enacted sweeping financial regulatory reform and has altered and will continue to alter the way in which we conduct certain businesses, increase our costs and reduce our revenues. Many aspects of the Financial Reform Act remain subject to final rulemaking which will take effect over several years, making it difficult to anticipate the precise impact on the Corporation, our customers or the financial services industry.

## Derivatives

The Financial Reform Act includes measures to broaden the scope of derivative instruments subject to regulation by requiring clearing and exchange trading of certain derivatives; imposing new capital, margin, reporting, registration and business conduct requirements for certain market participants; and imposing position limits on certain over-the-counter (OTC) derivatives. The Financial Reform Act grants the Commodity Futures Trading Commission (CFTC) and the Securities and Exchange Commission (SEC) substantial new authority and requires numerous rulemakings by these agencies. Swap dealers conducting dealing activity with U.S. persons above a specified dollar threshold were required to register with the CFTC on or before December 31, 2012. We registered BANA, Merrill Lynch Commodities Inc., Merrill Lynch Capital Services Inc., Merrill Lynch Financial Markets Inc., Merrill Lynch International and Merrill Lynch International Bank Limited as swap dealers on December 31, 2012. Upon registration, swap dealers became subject to additional CFTC rules relating to business conduct and reporting, and will continue to become subject to additional CFTC rules as and when such rules take effect. Those rules include, but are not limited to, measures that require clearing and exchange trading of certain derivatives, new capital and margin requirements for certain market participants, and additional reporting requirements for derivatives under the jurisdiction of the CFTC. The CFTC also granted relief from some of the rules that would have become effective during the fourth quarter of 2012, delaying the application of most external business conduct requirements until May 1, 2013 (with a further delay to May 15, 2013 for prime brokerage arrangements), and trading relationship and trade processing rules until July 1 , 2013. Regulatory reporting requirements on a real-time basis for all derivatives subject to CFTC jurisdiction became effective for swap dealers in the first quarter of 2013. The Financial Reform Act will also require BANA to "push out" certain derivatives activity to one or more non-bank affiliates as of July 13, 2013; however, the effective date for this requirement may be extended for up to two years at the option of the relevant banking regulators in consultation with the SEC and CFTC. While the CFTC has provided temporary exemptive relief from application of derivatives requirements of the Financial Reform Act for certain non-U.S. derivatives activity, there remains some uncertainty as to how the derivatives requirements of the Financial Reform Act will apply to non-U.S. derivatives activity because the CFTC has not yet adopted final cross-border guidance.

The CFTC has completed much of its other rulemakings, with the exception of final margin, capital and exchange trading rules, while the SEC has finalized a small number of clearing-related rules. The ultimate impact of the
derivatives regulations that have not yet been finalized and the time it will take to comply remain uncertain. The final regulations will impose additional operational and compliance costs on us and may require us to restructure certain businesses and may negatively impact our results of operations.

## The Consumer Financial Protection Bureau

The Financial Reform Act established the Consumer Financial Protection Bureau (CFPB), which principally regulates the offering of consumer financial products or services under federal consumer financial laws, and which has commenced its supervisory oversight. Certain federal consumer financial laws to which the Corporation is subject including, but not limited to, the Equal Credit Opportunity Act, Home Mortgage Disclosure Act, Electronic Fund Transfers Act, Fair Credit Reporting Act, Truth in Lending and Truth in Savings Acts are enforced by the CFPB, subject to certain statutory limitations. Through its rulemaking authority, the CFPB has promulgated several proposed and final rules that will affect our consumer businesses. Among these initiatives is a recently-issued final rule implementing sections of the Financial Reform Act establishing "ability to repay" and "qualified mortgage" standards under the Truth in Lending Act. In addition, the CFPB issued a final rule establishing mortgage loan servicing standards through amendments to the Real Estate Settlement Procedures Act. The CFPB has also finalized rules addressing items such as remittance transfer services, appraisal

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requirements and loan originator compensation requirements. The Corporation is evaluating the various CFPB rules and proposals and devoting substantial compliance, legal and operational business resources to facilitate compliance with these rules by their respective effective dates. In addition, the Corporation has cooperated with the CFPB on several industry-related information collection requests involving consumer financial products and services, including overdraft fees and practices.

For information regarding other significant regulatory matters, see Note 11 - Commitments and Contingencies to the Consolidated Financial Statements herein, Regulatory Matters on page 64 of the MD\&A of the Corporation's 2012 Annual Report on Form 10-K, and Item 1A. Risk Factors of the Corporation's 2012 Annual Report on Form 10-K.

## Managing Risk

## Overview

Risk is inherent in every material business activity that we undertake. Our business exposes us to strategic, credit, market, liquidity, compliance, operational and reputational risks. We must manage these risks to maximize our long-term results by ensuring the integrity of our assets and the quality of our earnings.

We take a comprehensive approach to risk management. We have a defined risk framework and articulated risk appetite which was approved on January 23, 2013 by the Corporation's Board of Directors (the Board). Risk management planning is integrated with strategic, financial and customer/client planning so that goals and responsibilities are aligned across the organization. Risk is managed in a systematic manner by focusing on the Corporation as a whole as well as managing risk across the enterprise and within individual business units, products, services and transactions, and across all geographic locations. We maintain a governance structure that delineates the responsibilities for risk management activities, as well as governance and oversight of those activities.

## Enterprise-wide Stress Testing

As a part of our core risk management practices, we conduct enterprise-wide stress tests on a periodic basis to better understand balance sheet, earnings, capital and liquidity sensitivities to certain economic and business scenarios, including economic and market conditions that are more severe than anticipated. These enterprise-wide stress tests provide illustrative hypothetical potential impacts from our risk profile on our balance sheet, earnings, capital and liquidity and serve as a key component of our capital, liquidity and risk management practices. Scenarios are selected by the Asset Liability and Market Risk Committee (ALMRC) and approved by the Chief Financial Officer and the Chief Risk Officer. Impacts to each business from each scenario are then determined and analyzed, primarily by leveraging the models and processes utilized in everyday management routines. Impacts are assessed along with potential mitigating actions that may be taken. Analysis from such stress scenarios is compiled for and reviewed through our Chief Financial Officer Risk Committee, ALMRC and the Board's Enterprise Risk Committee. For a more detailed discussion of our risk management activities, see pages 66 through 121 of the MD\&A of the Corporation's 2012 Annual Report on Form 10-K.

## Strategic Risk Management

Strategic risk is embedded in every business and is one of the major risk categories along with credit, market, liquidity, compliance, operational and reputational risks. It is the risk that results from adverse business decisions, ineffective or inappropriate business plans, or failure to respond to changes in the macroeconomic environment, such as business cycles, competitor actions, changing customer preferences, product obsolescence, technology developments and regulatory environment. We face significant strategic risk due to the changing regulatory environment and the fast-paced development of new products and technologies in the financial services industries.

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Our appetite for strategic risk is assessed based on the strategic plan, with strategic risks selectively and carefully considered against the backdrop of the evolving marketplace. Strategic risk is managed in the context of our overall financial condition, risk appetite, and stress results, among other considerations. The Chief Executive Officer and executive management team manage and act on significant strategic actions, such as material acquisitions or capital actions subsequent to required review and approval by the Board.

For more information on our Strategic Risk Management activities, see page 70 of the MD\&A of the Corporation's 2012 Annual Report on Form 10-K.

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Capital Management
The Corporation manages its capital position to maintain sufficient capital to support its business activities and maintain capital, risk and risk appetite commensurate with one another. Additionally, we seek to maintain safety and soundness at all times including under adverse conditions, take advantage of organic growth opportunities, maintain ready access to financial markets, continue to serve as a credit intermediary, remain a source of strength for our subsidiaries, and satisfy current and future regulatory capital requirements.

To determine the appropriate level of capital, we assess the results of our Internal Capital Adequacy Assessment Process (ICAAP), the current economic and market environment, and feedback from key stakeholders including investors, rating agencies and regulators. Based upon this analysis, we set goals for capital ratios to maintain an adequate capital position, including in severe adverse economic scenarios.

The ICAAP incorporates capital forecasts, stress test results, economic capital (which is a component of allocated capital), qualitative risk assessments and assessment of regulatory changes. Throughout the year, we generate regulatory capital and economic capital forecasts that are aligned to the most recent earnings, balance sheet and risk forecasts. We utilize quarterly stress tests to assess the potential impacts to our balance sheet, earnings, capital and liquidity of a variety of stress scenarios. We perform qualitative risk assessments to identify and assess material risks not fully captured in the forecasts, stress tests or economic capital. We regularly assess the capital impacts of proposed changes to regulatory capital requirements. Management regularly assesses ICAAP results and provides documented quarterly assessments of the adequacy of the capital guidelines and capital position to the Board or its committees.

Capital management is integrated into our risk and governance processes, as capital is a key consideration in the development of the strategic plan, risk appetite and risk limits. Effective January 1, 2013, on a prospective basis, we adjusted the amount of capital being allocated to our business segments. The adjustment reflects a refinement to the prior-year methodology (economic capital) which focused solely on internal risk-based economic capital models. The refined methodology (allocated capital) now also considers the effect of regulatory capital requirements in addition to internal risk-based economic capital models. The Corporation's internal risk-based capital models use a risk-adjusted methodology incorporating each segment's credit, market, interest rate, business and operational risk components. See Managing Risk and Strategic Risk Management on page 56 for more information on the nature of these risks. The capital allocated to the business segments is referred to as allocated capital and in prior years was referred to as economic capital, which represent non-GAAP financial measures. Allocated capital in the business segments is subject to change over time. For additional information on the refined methodology, see Business Segment Operations on page 25 .

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Regulatory Capital
As a financial services holding company, we are subject to the risk-based capital guidelines issued by federal banking regulators which was Basel 1 through December 31, 2012. On January 1, 2013, Basel 1 was amended prospectively, introducing changes to the measurement of risk-weighted assets for exposures subject to market risk (Market Risk Final Rule) and is referred to herein as the Basel 1-2013 Rules. Under these guidelines, the Corporation and its affiliated banking entities, BANA and FIA, measure capital adequacy based on Tier 1 common capital, Tier 1 capital and Total capital (Tier 1 plus Tier 2 capital). Capital ratios are calculated by dividing each capital amount by risk-weighted assets. Additionally, Tier 1 capital is divided by adjusted quarterly average total assets to derive the Tier 1 leverage ratio. For additional information on the Market Risk Final Rule, see Capital Management - Regulatory Capital Changes on page 60.

Certain corporate-sponsored trust companies which issued qualifying trust preferred securities (Trust Securities) are not consolidated. In accordance with Federal Reserve guidance effective March 31, 2011, Trust Securities continue to qualify as Tier 1 capital with revised quantitative limits. As a result, the Corporation includes Trust Securities in Tier 1 capital in accordance with the Basel 1 - 2013 Rules. The Financial Reform Act includes a provision under which Trust Securities will no longer qualify as Tier 1 capital. Under one of three notices of proposed rulemaking on Basel 3 issued by U.S. banking regulatory agencies, the Corporation's previously issued and outstanding Trust Securities in the aggregate qualifying amount of $\$ 6.7$ billion (approximately 52 bps of Tier 1 capital) at March 31, 2013 will no longer qualify as Tier 1 capital. While not yet final, the proposed rules provide a three-year transition period in which the exclusion of Trust Securities from Tier 1 capital will be phased-in incrementally each year.

The Federal Reserve requires bank holding companies (BHCs) to submit a capital plan and requests for capital actions on an annual basis, consistent with the rules governing the Comprehensive Capital Analysis and Review (CCAR). The CCAR is the central element to the Federal Reserve's approach to ensuring that large BHCs have adequate capital and robust processes for managing their capital. In January 2013, we submitted our 2013 capital plan, and received results on March 14, 2013. The Federal Reserve's stress scenario projections for the Corporation, based on the 2013 capital plan, estimated a minimum Tier 1 common capital ratio of 6.0 percent under severe adverse economic conditions with all proposed capital actions through the end of 2014, exceeding the five percent reference rate for all institutions involved in the CCAR. The capital plan submitted by the Corporation included a request to repurchase up to $\$ 5.0$ billion of common stock over the next four quarters, beginning in the second quarter of 2013, the redemption of approximately $\$ 5.5$ billion in preferred stock and a continuation of the quarterly common stock dividend at $\$ 0.01$ per share. The Federal Reserve did not object to our 2013 capital plan, including all proposed capital actions.

The timing and exact amount of common stock repurchases will be consistent with the Corporation's capital plan and will be subject to various factors, including the Corporation's capital position, liquidity, financial performance and alternative uses of capital, stock trading price, and general market conditions, and may be suspended at any time. The common stock repurchases may be effected through open market purchases or privately negotiated transactions, including Rule 10b5-1 plans. On April 1, 2013, a notice of redemption was sent to holders of the Corporation's $8.625 \%$ Non-Cumulative Preferred Stock, Series 8, including holders of depositary shares representing interests therein, to redeem approximately $\$ 2.7$ billion of the Series 8 Preferred Stock on May 28, 2013. On May 1, 2013, pursuant to the capital plan, we redeemed approximately $\$ 2.9$ billion of our $8.20 \%$ Non-Cumulative Preferred Stock, Series H.

For additional information, see Capital Management - Regulatory Capital on page 70 of the MD\&A of the Corporation's 2012 Annual Report on Form 10-K and Note 17 - Regulatory Requirements and Restrictions to the Consolidated Financial Statements of the Corporation's 2012 Annual Report on Form 10-K.

Capital Composition and Ratios

Under the Basel 1 - 2013 Rules, Tier 1 common capital was $\$ 136.1$ billion at March 31, 2013, an increase of $\$ 2.7$ billion from December 31, 2012. The increase was primarily driven by earnings eligible to be included in capital, which positively impacted the Tier 1 common capital ratio by approximately 12 bps and a decline in the deduction for disallowed deferred tax assets. These were partially offset by dividends, which negatively impacted the Tier 1 common capital ratio by approximately four bps. On a pro-forma basis, at December 31, 2012, the Tier 1 common capital ratio, assuming the Basel $1-2013$ Rules were then in effect, would have been 10.38 percent compared to 11.06 percent on an as reported basis, reflecting the impact of $\$ 78.8$ billion in additional risk-weighted assets. Tier 1 common capital would have remained unchanged at $\$ 133.4$ billion. Total capital increased $\$ 4.5$ billion during the three months ended March 31, 2013 primarily driven by the increase in Tier 1 common capital and an increase in the portion of the allowance for loan and lease losses eligible to be included in capital.

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Risk-weighted assets increased $\$ 92.2$ billion during the three months ended March 31, 2013 to $\$ 1,298$ billion. This increase adversely impacted Tier 1 common, Tier 1 and Total capital ratios by $79 \mathrm{bps}, 92 \mathrm{bps}$ and 117 bps , respectively. The increase was primarily due to the net impact of the implementation of the Basel 1-2013 Rules which added $\$ 87.5$ billion in risk-weighted assets and reduced the Tier 1 common capital ratio by approximately 75 bps. The Tier 1 leverage ratio increased 12 bps during the three months ended March 31, 2013 primarily driven by the increase in Tier 1 capital.

Table 13 presents Bank of America Corporation's risk-weighted assets activity for the three months ended March 31, 2013.

Table 13
Risk-weighted Assets Activity

| (Dollars in billions) | Ended March 31, <br> Risk-weighted assets, January 1 <br> Changes to risk-weighted assets |
| :--- | :--- |
| 2013 |  |
| Increase related to Comprehensive Risk Measure (1) | $\$ 1,206$ |
| Increase related to Incremental Risk Charge (1) | 22 |
| Increase related to market risk regulatory VaR | 7 |
| Standard specific risk (2) | 21 |
| Increase due to items no longer eligible to be included in market risk | 28 |
| Increases related to implementation of Basel 1 - 2013 Rules | 9 |
| Increase related to banking book (i.e. nontrading) and other exposures | 87 |
| Other changes | 3 |
| Total risk-weighted assets, March 31 | 2 |

${ }^{(1)}$ For additional information, see Capital Management - Regulatory Capital Changes on page 60.
${ }^{(2)}$ A measure of the risk of loss on a position that could result from factors other than broad market movements.
Table 14 presents Bank of America Corporation's capital ratios and related information in accordance with the Basel 1 - 2013 Rules as measured at March 31, 2013 and Basel 1 at December 31, 2012.

Table 14
Bank of America Corporation Regulatory Capital

March 31, 2013
Actual

| (Dollars in millions) | Ratio |  | Amount | Minimum <br> Required <br> (1) | Ratio |  | Amount | Minimum <br> Required ${ }^{(1)}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Tier 1 common capital | 10.49 | \% | \$136,119 | $\mathrm{n} / \mathrm{a}$ | 11.06 | \% | \$ 133,403 | $\mathrm{n} / \mathrm{a}$ |
| Tier 1 common capital (pro-forma) ${ }^{(2)}$ | n/a |  | n/a | n/a | 10.38 |  | 133,403 | n/a |
| Tier 1 capital | 12.22 |  | 158,677 | \$77,891 | 12.89 |  | 155,461 | \$ 72,359 |
| Total capital | 15.50 |  | 201,211 | 129,819 | 16.31 |  | 196,680 | 120,598 |
| Tier 1 leverage | 7.49 |  | 158,677 | 84,700 | 7.37 |  | 155,461 | 84,429 |
|  |  |  |  |  |  |  | $\begin{aligned} & \text { March } 31 \\ & 2013 \end{aligned}$ | $\begin{aligned} & \text { December } 31 \\ & 2012 \end{aligned}$ |
| Risk-weighted assets (in billions) |  |  |  |  |  |  | \$ 1,298 | \$ 1,206 |
|  |  |  |  |  |  |  | 2,118 | 2,111 |

Adjusted quarterly average total assets (in billions)
(3)
${ }^{(1)}$ Dollar amount required to meet guidelines to be considered well-capitalized.
Pro-forma Tier 1 common capital ratio at December 31, 2012 includes the estimated impact of the Basel 1 - 2013
${ }^{(2)}$ Rules. Represents a non-GAAP financial measure. On a pro-forma basis, risk-weighted assets would have been approximately $\$ 1,285$ billion with the inclusion of $\$ 78.8$ billion in pro-forma risk-weighted assets.
${ }^{(3)}$ Reflects adjusted average total assets for the three months ended March 31, 2013 and December 31, 2012.
$\mathrm{n} / \mathrm{a}=$ not applicable

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Table 15 presents the capital composition in accordance with the Basel 1 - 2013 Rules as measured at March 31, 2013 and Basel 1 at December 31, 2012.

Table 15
Capital Composition
(Dollars in millions)
Total common shareholders' equity

| March 31 | December 31 |  |
| :--- | :--- | :--- |
| 2013 | 2012 |  |
| $\$ 218,513$ | $\$ 218,188$ |  |
| $(69,930$ | $)$ | $(69,976$ |
| $(4,801$ | $)$ | $(4,994$ |
|  |  |  |
| $(1,302$ | $)$ | $(2,036$ |
| 4,371 | 4,456 |  |
| 4,140 | 4,084 |  |
| $(16,497$ | $(17,940$ |  |
| 1,625 | 1,621 |  |
| 136,119 | 133,403 |  |
| 15,862 | 15,851 |  |
| 6,696 | 6,207 |  |
| 158,677 | 155,461 |  |
| 24,459 | 24,287 |  |
| 22,441 | 24,179 |  |
| 486 | 513 |  |
| $(6,579$ | $(9,459$ |  |
| 358 | 329 |  |
| 1,369 | 1,370 |  |
| $\$ 201,211$ | $\$ 196,680$ |  |

Nonqualifying intangible assets (includes core deposit intangibles, affinity relationships, customer relationships and other intangibles)
Net unrealized gains on AFS debt and marketable equity securities and net losses on derivatives recorded in accumulated OCI, net-of-tax
Unamortized net periodic benefit costs recorded in accumulated OCI, net-of-tax
Fair value adjustment related to structured liabilities ${ }^{(1)}$
Disallowed deferred tax asset
Other
Total Tier 1 common capital
Qualifying preferred stock
Trust preferred securities
Total Tier 1 capital
Long-term debt qualifying as Tier 2 capital
Allowance for loan and lease losses
Reserve for unfunded lending commitments
Allowance for loan and lease losses exceeding 1.25 percent of risk-weighted assets 45 percent of the pre-tax net unrealized gains on AFS marketable equity securities Other

1,370
Total capital
\$201,211 \$ 196,680
${ }_{\text {(1) }}$ Represents loss on structured liabilities, net-of-tax, that is excluded from Tier 1 common capital, Tier 1 capital and Total capital for regulatory capital purposes.

## Regulatory Capital Changes

At March 31, 2013, we measured and reported our capital ratios and related information in accordance with the Basel 1 - 2013 Rules, which introduced new measures of market risk including a charge related to stressed Value-at-Risk ( VaR ), an incremental risk charge and the comprehensive risk measure (CRM), as well as other technical modifications. The implementation of the Basel $1-2013$ Rules was the primary driver of the changes in total risk-weighted assets, and Tier 1 capital, Tier 1 common capital and Total capital ratios from December 31, 2012. We manage regulatory capital to adhere to internal capital guidelines and regulatory standards of capital adequacy based on our current understanding of the rules and the application of such rules to our business as currently conducted. For additional information regarding Market Risk Management and VaR, see Trading Risk Management on page 113.

The regulatory capital rules continue to expand and evolve. In December 2007, U.S. banking regulators published final Basel 2 rules (Basel 2). We measure and report our capital ratios and related information under Basel 2 on a confidential basis to U.S. banking regulators during the required parallel period, during which we provide the U.S. banking regulators both the Basel $1-2013$ Rules and Basel 2 related information in parallel. The parallel period will continue until we receive regulatory approval to exit parallel reporting and subsequently begin publicly reporting our Basel 2 regulatory capital results and related disclosures.

In June 2012, U.S. banking regulators issued three notices of proposed rulemaking (collectively, the Basel 3 NPRs) which, if adopted as proposed, would materially change Tier 1 common, Tier 1 and Total capital calculations. The Basel 3 NPRs also introduce new minimum capital ratios and buffer requirements, expand and modify the calculation of risk-weighted assets for credit and market risk (the Advanced Approach) and introduce a Standardized Approach for the calculation of risk-weighted assets, which would replace the Basel 1-2013 Rules and provide a floor for minimum, adequately capitalized regulatory capital requirements under the Prompt Corrective Action framework. The Prompt Corrective Action framework establishes categories of capitalization, including "well-capitalized," based on regulatory ratio requirements. U.S. banking regulators are required to take certain mandatory actions depending on the category of capitalization, with no mandatory actions required for "well-capitalized" banking entities.

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Under the Basel 3 NPRs, Trust Securities will be phased out of Tier 1 capital in equal annual installments over a three-year transition period. Many of the changes to the composition of regulatory capital are subject to a transition period where the impact is recognized in 20 percent increments, phased in incrementally each year over a five-year period. The phase-in period for the new minimum capital requirements and related buffers is proposed to occur from the effective date of the Basel 3 NPRs through 2019. While U.S. banking regulators have not yet issued final rules for Basel 3, we expect them to issue final rules in 2013 with a January 1, 2014 effective date for the Advanced Approach described below.

Under the Basel 3 NPRs, we will be subject to the Advanced Approach for measuring risk-weighted assets (Basel 3 Advanced Approach) when finalized and implemented. The Basel 3 Advanced Approach also requires approval by the U.S. regulatory agencies of analytical models used as part of capital measurement. If these models are not approved, it would likely lead to an increase in our risk-weighted assets, which in some cases could be significant. The Basel 3 Advanced Approach, if adopted as proposed, is expected to substantially increase our capital requirements as discussed below.

In 2011, the Basel Committee on Banking Supervision (the Basel Committee) issued proposed guidance on capital requirements for global, systemically important financial institutions, of which we are one, including the methodology for measuring systemic importance, the additional capital required (the SIFI buffer), and the arrangements by which the guidance will be phased in. As proposed, the SIFI buffer would increase minimum capital requirements for Tier 1 common capital from one percent to 2.5 percent, and in certain circumstances, 3.5 percent. As of March 31, 2013, we estimate our SIFI buffer would be 1.5 percent, in line with the Financial Stability Board's report, "Update of Group of Global Systemically Important Banks," issued on November 1, 2012. U.S. banking regulators have not yet issued proposed or final rules related to the SIFI buffer.

On December 20, 2011, the Federal Reserve issued proposed rules to implement enhanced supervisory and prudential requirements, and the early remediation requirements established under the Financial Reform Act. The enhanced standards include liquidity standards, requirements for overall risk management, single-counterparty credit limits, stress test requirements and a debt-to-equity limit for certain companies determined to pose a threat to financial stability. The final rules, when adopted and fully implemented, are likely to influence our regulatory capital and liquidity planning process, and may impose additional operational and compliance costs on us.

Preparing for the implementation of the new capital rules is a top strategic priority, and we expect to comply with the final rules when issued and effective. Based on Basel 2 and our current understanding of the Basel 3 Advanced Approach issued by U.S. regulators, we estimated our Basel 3 Advanced Approach Tier 1 common capital ratio, on a fully phased-in basis, to be 9.52 percent at March 31, 2013. As of March 31, 2013, we estimated that our Tier 1 common capital would be $\$ 128.8$ billion and total risk-weighted assets would be $\$ 1,354$ billion, also on a fully phased-in basis. This assumes approval by U.S. banking regulators of our internal analytical models, but does not include the benefit of the removal of the surcharge applicable to the CRM. The CRM is used to determine the risk-weighted assets for correlation trading positions. Under the Basel 3 NPRs, Tier 1 common capital includes components that exhibit heightened sensitivity to changes in interest rates, such as the cumulative change in the fair value of AFS debt securities and at least 10 percent of the fair value of MSRs recognized on the Consolidated Balance Sheet.

Important differences between Basel 1, the Basel 1 - 2013 Rules and Basel 3 include capital deductions related to our MSRs, deferred tax assets and defined benefit pension assets, and the inclusion of unrealized gains and losses on debt and equity securities recognized in accumulated OCI, each of which will be impacted by future changes in interest rates, overall earnings performance or other corporate actions. Our estimates under the Basel 3 Advanced Approach will be refined over time as a result of further rulemaking or clarification by U.S. banking regulators and as our understanding and interpretation of the rules evolve.

Basel 3 regulatory capital metrics are non-GAAP measures until they are fully adopted and required by U.S. banking regulators. Table 16 presents a reconciliation of our Tier 1 common capital and risk-weighted assets in accordance with the Basel 1 - 2013 Rules to our Basel 3 estimates at March 31, 2013 and Basel 1 to Basel 3 estimates at December 31, 2012, assuming fully phased-in measures according to the Basel 3 Advanced Approach.

For additional information regarding Basel 2, Basel 3 and other proposed regulatory capital changes, see Note 17 Regulatory Requirements and Restrictions to the Consolidated Financial Statements of the Corporation's 2012 Annual Report on Form 10-K.

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Table 16
Basel 1 to Basel 3 (fully phased-in) Reconciliation (1)
(Dollars in millions)

| March 31 | December 31 |
| :--- | :--- |
| 2013 | 2012 |

Regulatory capital - Basel 1 to Basel 3 (fully phased-in)
Basel 1 Tier 1 capital
Deduction of qualifying preferred stock and trust preferred securities
Basel 1 Tier 1 common capital
Deduction of defined benefit pension assets
Change in deferred tax assets and threshold deductions (deferred tax asset temporary differences, MSRs and significant investments)
Change in all other deductions, net
Basel 3 (fully phased-in) Tier 1 common capital
$\left.\begin{array}{lll}\$ 158,677 & \$ 155,461 & \\ (22,558 & ) & (22,058 \\ 136,119 & 133,403 & \\ (776 & ) & (737 \\ (4,501 & ) & (3,020\end{array}\right)$

Risk-weighted assets - Basel 1 to Basel 3 (fully phased-in)
Basel 1 risk-weighted assets

| $\$ 1,298,187$ | $\$ 1,205,976$ |
| :--- | :--- |
| 55,454 | 103,085 |
| - | 81,811 |
| $\$ 1,353,641$ | $\$ 1,390,872$ |

Tier 1 common capital ratios
Basel $1 \quad 10.49 \quad \% 11.06 \quad \%$
Basel 3 (fully phased-in) 9.52 9.25
(1) Includes the Market Risk Final Rule at March 31, 2013. At December 31, 2012, the Basel 1 information did not include the Market Risk Final Rule.
Excludes the benefit of certain hedges at December 31, 2012. Including these hedges, the increase due to the
(2) Market Risk Final Rule would have been $\$ 78.8$ billion. For more information, see Capital Management - Capital Composition and Ratios on page 58.

Bank of America, N.A. and FIA Card Services, N.A. Regulatory Capital

Table 17 presents regulatory capital information for BANA and FIA at March 31, 2013 and December 31, 2012.
Table 17
Bank of America, N.A. and FIA Card Services, N.A. Regulatory Capital ${ }^{\text {(1) }}$

March 31, 2013
Actual
(Dollars in millions)

Tier 1 capital
Bank of America, N.A.
FIA Card Services, N.A.
Total capital
Bank of America, N.A.
FIA Card Services, N.A.
Tier 1 leverage
$\begin{array}{lllllll}\text { Bank of America, N.A. } & 8.82 & 121,272 & 68,760 & 8.59 & 118,431 & 68,957\end{array}$
FIA Card Services, N.A.

| Ratio | Amount | Minimum Required (2) | Ratio | Amount | Minimum Required (2) |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 12.28 \% | \$ 121,272 | \$59,239 | 12.44 \% | \$ 118,431 | \$57,099 |
| 17.37 | 20,938 | 7,232 | 17.34 | 22,061 | 7,632 |
| 14.31 | 141,329 | 98,732 | 14.76 | 140,434 | 95,165 |
| 18.67 | 22,499 | 12,054 | 18.64 | 23,707 | 12,719 |
| 8.82 | 121,272 | 68,760 | 8.59 | 118,431 | 68,957 |
| 12.73 | 20,938 | 8,224 | 13.67 | 22,061 | 8,067 |

BANA regulatory capital information included the Basel 1 - 2013 Rules at March 31, 2013. At December 31, 2012,
${ }^{(1)}$ BANA regulatory capital information did not include the Basel 1 - 2013 Rules. FIA is not impacted by the Basel 1 2013 Rules.
(2)

Dollar amount required to meet guidelines for well-capitalized institutions.

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BANA's Tier 1 capital ratio decreased 16 bps to 12.28 percent and the Total capital ratio decreased 45 bps to 14.31 percent at March 31, 2013 compared to December 31, 2012. The Tier 1 leverage ratio increased 23 bps to 8.82 percent at March 31, 2013 compared to December 31, 2012. The decrease in the Tier 1 capital ratio was driven by an increase in risk-weighted assets of $\$ 35.7$ billion compared to December 31, 2012 and returns of capital of $\$ 2.2$ billion to the Corporation for the three months ended March 31, 2013, partially offset by earnings eligible to be included in capital of $\$ 5.2$ billion. The decrease in the Total capital ratio was driven by the same factors as discussed for Tier 1 capital ratio above as well as a $\$ 2.4$ billion decrease in qualifying subordinated debt. The increase in the Tier 1 leverage ratio was primarily driven by an increase in Tier 1 capital. The increase in risk-weighted assets was primarily due to the impact of implementing the Basel 1-2013 Rules.

FIA's Tier 1 capital ratio increased three bps to 17.37 percent and the Total capital ratio increased three bps to 18.67 percent at March 31, 2013 compared to December 31, 2012. The Tier 1 leverage ratio decreased 94 bps to 12.73 percent at March 31, 2013 compared to December 31, 2012. The increase in the Tier 1 capital and Total capital ratios was driven by a decrease in risk-weighted assets of $\$ 6.7$ billion compared to December 31,2012 , primarily due to a decrease in loans, and earnings eligible to be included in capital of $\$ 931$ million for the three months ended March 31, 2013, partially offset by returns of capital of $\$ 2.1$ billion to the Corporation. The decrease in the Tier 1 leverage ratio was driven by the decrease in Tier 1 capital and an increase in adjusted quarterly average total assets of $\$ 3.1$ billion. FIA was not impacted by the implementation of the Basel $1-2013$ Rules.

## Broker/Dealer Regulatory Capital

The Corporation's principal U.S. broker/dealer subsidiaries are Merrill Lynch, Pierce, Fenner \& Smith (MLPF\&S) and Merrill Lynch Professional Clearing Corp (MLPCC). MLPCC is a fully-guaranteed subsidiary of MLPF\&S and provides clearing and settlement services. Both entities are subject to the net capital requirements of SEC Rule 15c3-1. Both entities are also registered as futures commission merchants and are subject to the Commodity Futures Trading Commission Regulation 1.17.

MLPF\&S has elected to compute the minimum capital requirement in accordance with the Alternative Net Capital Requirement as permitted by SEC Rule 15c3-1. At March 31, 2013, MLPF\&S's regulatory net capital as defined by Rule $15 \mathrm{c} 3-1$ was $\$ 10.2$ billion and exceeded the minimum requirement of $\$ 776$ million by $\$ 9.4$ billion. MLPCC's net capital of $\$ 1.6$ billion exceeded the minimum requirement of $\$ 235$ million by $\$ 1.4$ billion. In accordance with the Alternative Net Capital Requirements, MLPF\&S is required to maintain tentative net capital in excess of $\$ 1.0$ billion, net capital in excess of $\$ 500$ million and notify the SEC in the event its tentative net capital is less than $\$ 5.0$ billion. At March 31, 2013, MLPF\&S had tentative net capital and net capital in excess of the minimum and notification requirements.

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Common and Preferred Stock Dividends
For a summary of our declared quarterly cash dividends on common stock during the first quarter of 2013 and through May 7, 2013, see Note 12 - Shareholders' Equity to the Consolidated Financial Statements.

Table 18 is a summary of our cash dividend declarations on preferred stock during the first quarter of 2013 and through May 7, 2013. During the first quarter of 2013, preferred dividends were $\$ 373$ million. In connection with the announced redemptions, we expect second quarter preferred stock dividends to be comprised of the $\$ 364$ million in dividends declared on April 2, 2013 plus approximately $\$ 75$ million, representing the difference between the redemption price at par and the carrying value of the redeemed securities. We expect preferred dividends during the second half of 2013 to decline to approximately $\$ 255$ million per quarter as a result of the announced redemptions. For additional information on preferred stock, see Note 14 - Shareholders' Equity to the Consolidated Financial Statements of the Corporation's 2012 Annual Report on Form 10-K.

Table 18
Preferred Stock Cash Dividend Summary Outstanding Notional

| Preferred Stock | Notional <br> Amount <br> (in <br> millions) | Declaration Date | Record Date | Payment Date | Per Annum Dividend Rate |  | Dividend <br> Per <br> Share |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Series B ${ }^{(1)}$ | \$ 1 | January 23, 2013 | April 11, 2013 | April 25, 2013 | 7.00 | \% | \$1.75 |
|  |  | April 30, 2013 | July 11, 2013 | July 25, 2013 | 7.00 |  | 1.75 |
| Series D ${ }^{(2)}$ | \$ 654 | January 3, 2013 | February 28, 2013 | March 14, 2013 | 6.204 | \% | \$0.38775 |
|  |  | April 2, 2013 | May 31, 2013 | June 14, 2013 | 6.204 |  | 0.38775 |
| Series E ${ }^{(2)}$ | \$ 317 | January 3, 2013 | $\begin{aligned} & \text { January 31, } \\ & 2013 \end{aligned}$ | February 15, 2013 | Floating |  | \$0.25556 |
|  |  | April 2, 2013 | April 30, 2013 | May 15, 2013 | Floating |  | 0.24722 |
| Series F | \$ 141 | January 3, 2013 | February 28, 2013 | March 15, 2013 | Floating |  | \$1,000.00 |
|  |  | April 2, 2013 | May 31, 2013 | June 17, 2013 | Floating |  | 1,044.44 |
| Series G | \$ 493 | January 3, 2013 | February 28, 2013 | March 15, 2013 | Adjustable |  | \$1,000.00 |
|  |  | April 2, 2013 | May 31, 2013 | June 17, 2013 | Adjustable |  | 1,044.44 |
| Series H ${ }^{(2,3)}$ | \$ 2,862 | January 3, 2013 | $\begin{aligned} & \text { January } 15 \text {, } \\ & 2013 \end{aligned}$ | February 1, $2013$ | 8.20 | \% | \$0.51250 |
|  |  | April 2, 2013 | April 15, 2013 | May 1, 2013 | 8.20 |  | 0.51250 |
| Series I ${ }^{(2)}$ | \$ 365 | January 3, 2013 | March 15, 2013 | April 1, 2013 | 6.625 | \% | \$0.41406 |
|  |  | April 2, 2013 | June 15, 2013 | July 1, 2013 | 6.625 |  | 0.41406 |
| Series J ${ }^{(2)}$ | \$ 951 | January 3, 2013 | $\begin{aligned} & \text { January 15, } \\ & 2013 \end{aligned}$ | February 1, $2013$ | 7.25 | \% | \$0.45312 |
|  |  | April 2, 2013 | April 15, 2013 | May 1, 2013 | 7.25 |  | 0.45312 |
| Series K ${ }^{(4,5)}$ | \$ 1,544 | January 3, 2013 | $\begin{aligned} & \text { January 15, } \\ & 2013 \end{aligned}$ | $\begin{aligned} & \text { January } 30 \text {, } \\ & 2013 \end{aligned}$ | Fixed-to-floating |  | \$40.00 |
| Series L | \$ 3,080 | March 15, 2013 | April 1, 2013 | April 30, 2013 | 7.25 | \% | \$18.125 |
| Series M ${ }^{(4,5)}$ | \$ 1,310 | April 2, 2013 | April 30, 2013 | May 15, 2013 | Fixed-to-floating |  | \$40.625 |
| Series T ${ }^{(1)}$ | \$ 5,000 | March 15, 2013 | March 26, 2013 | April 10, 2013 | 6.00 | \% | \$1,500.00 |

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Table 18
Preferred Stock Cash Dividend Summary (continued) Outstanding

| Preferred Stock | Notional Amount (in millions) | Declaration Date | Record Date | Payment Date | Per Annum Dividend Rate |  | Dividend Per <br> Share |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Series $1{ }^{(6)}$ | \$ 98 | January 3, 2013 | February 15, 2013 | February 28, 2013 | Floating |  | \$0.18750 |
|  |  | April 2, 2013 | May 15, 2013 | May 28, 2013 | Floating |  | 0.18750 |
| Series $2{ }^{(6)}$ | \$ 299 | January 3, 2013 | February 15, 2013 | February 28, 2013 | Floating |  | \$0.19167 |
|  |  | April 2, 2013 | May 15, 2013 | May 28, 2013 | Floating |  | 0.18542 |
| Series $3{ }^{(6)}$ | \$ 653 | January 3, 2013 | $\begin{aligned} & \text { February } 15 \text {, } \\ & 2013 \end{aligned}$ | February 28, $2013$ | 6.375 | \% | \$0.39843 |
|  |  | April 2, 2013 | May 15, 2013 | May 28, 2013 | 6.375 |  | 0.39843 |
| Series $4{ }^{(6)}$ | \$ 210 | January 3, 2013 | February 15, 2013 | February 28, 2013 | Floating |  | \$0.25556 |
|  |  | April 2, 2013 | May 15, 2013 | May 28, 2013 | Floating |  | 0.24722 |
| Series $5{ }^{(6)}$ | \$ 422 | January 3, 2013 | February 1, 2013 | February 21, 2013 | Floating |  | \$0.25556 |
|  |  | April 2, 2013 | May 1, 2013 | May 21, 2013 | Floating |  | 0.24722 |
| Series $6{ }^{(7)}$ | \$ 59 | January 3, 2013 | March 15, 2013 | March 29, 2013 | 6.70 | \% | \$0.41875 |
|  |  | April 2, 2013 | June 15, 2013 | June 28, 2013 | 6.70 |  | 0.41875 |
| Series $7{ }^{(7)}$ | \$ 17 | January 3, 2013 | March 15, 2013 | March 29, 2013 | 6.25 | \% | \$0.39062 |
|  |  | April 2, 2013 | June 15, 2013 | June 28, 2013 | 6.25 |  | 0.39062 |
| Series $8{ }^{(6,8)}$ | \$ 2,673 | January 3, 2013 | February 15, | February 28, $2013$ | 8.625 | \% | \$0.53906 |
|  |  | April 2, 2013 | May 15, 2013 | May 28, 2013 | 8.625 |  | 0.53906 |

${ }^{(1)}$ Dividends are cumulative.
${ }^{(2)}$ Dividends per depositary share, each representing a $1 / 1,000^{\text {th }}$ interest in a share of preferred stock.
${ }^{(3)}$ This series was redeemed on May 1, 2013.
${ }^{(4)}$ Initially pays dividends semi-annually.
${ }^{(5)}$ Dividends per depositary share, each representing a $1 / 25^{\text {th }}$ interest in a share of preferred stock.
${ }^{(6)}$ Dividends per depositary share, each representing a $1 / 1,200^{\text {th }}$ interest in a share of preferred stock.
${ }^{(7)}$ Dividends per depositary share, each representing a $1 / 40^{\text {th }}$ interest in a share of preferred stock.
${ }^{(8)}$ Notice of redemption sent on April 1, 2013; preferred stock to be redeemed on May 28, 2013.
Liquidity Risk
Funding and Liquidity Risk Management
We define liquidity risk as the potential inability to meet our contractual and contingent financial obligations, on- or off-balance sheet, as they come due. Our primary liquidity objective is to provide adequate funding for our businesses throughout market cycles, including periods of financial stress. To achieve that objective, we analyze and monitor our liquidity risk, maintain excess liquidity and access diverse funding sources including our stable deposit base. We define excess liquidity as readily available assets, limited to cash and high-quality, liquid, unencumbered securities that we can use to meet our funding requirements as those obligations arise.

Global funding and liquidity risk management activities are centralized within Corporate Treasury. We believe that a centralized approach to funding and liquidity risk management enhances our ability to monitor liquidity requirements, maximizes access to funding sources, minimizes borrowing costs and facilitates timely responses to liquidity events. For additional information regarding global funding and liquidity risk management, see Liquidity Risk - Funding and Liquidity Risk Management on page 75 of the MD\&A of the Corporation's 2012 Annual Report on Form 10-K.

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Global Excess Liquidity Sources and Other Unencumbered Assets
We maintain excess liquidity available to Bank of America Corporation, or the parent company and selected subsidiaries in the form of cash and high-quality, liquid, unencumbered securities. These assets, which we call our Global Excess Liquidity Sources, serve as our primary means of liquidity risk mitigation. Our cash is primarily on deposit with the Federal Reserve and central banks outside of the U.S. We limit the composition of high-quality, liquid, unencumbered securities to U.S. government securities, U.S. agency securities, U.S. agency MBS and a select group of non-U.S. government and supranational securities. We believe we can quickly obtain cash for these securities, even in stressed market conditions, through repurchase agreements or outright sales. We hold our Global Excess Liquidity Sources in entities that allow us to meet the liquidity requirements of our global businesses, and we consider the impact of potential regulatory, tax, legal and other restrictions that could limit the transferability of funds among entities.

Our Global Excess Liquidity Sources were $\$ 372$ billion at both March 31, 2013 and December 31, 2012 and were maintained as presented in Table 19.

Table 19
Global Excess Liquidity Sources

| (Dollars in billions) |  |  | Average for |
| :---: | :---: | :---: | :---: |
|  | March 31 | December 31 | Three Months |
|  | 2013 | 2012 | Ended |
|  |  |  | March 31, 2013 |
| Parent company | \$ 100 | \$ 103 | \$93 |
| Bank subsidiaries | 249 | 247 | 238 |
| Broker/dealers | 23 | 22 | 23 |
| Total global excess liquidity sources | \$372 | \$ 372 | \$354 |

As shown in Table 19, parent company Global Excess Liquidity Sources totaled $\$ 100$ billion and $\$ 103$ billion at March 31, 2013 and December 31, 2012. The decrease in parent company liquidity was primarily due to the payment related to the FNMA Settlement, partially offset by net issuances of debt, and dividends and capital repayments from subsidiaries. Typically, parent company cash is deposited overnight with BANA.

Global Excess Liquidity Sources available to our bank subsidiaries totaled $\$ 249$ billion and $\$ 247$ billion at March 31, 2013 and December 31, 2012. These amounts are distinct from the cash deposited by the parent company. In addition to their Global Excess Liquidity Sources, our bank subsidiaries hold other unencumbered investment-grade securities that we believe could also be used to generate liquidity. Our bank subsidiaries can also generate incremental liquidity by pledging a range of other unencumbered loans and securities to certain Federal Home Loan Banks (FHLBs) and the Federal Reserve Discount Window. The cash we could have obtained by borrowing against this pool of specifically-identified eligible assets was approximately $\$ 199$ billion and $\$ 194$ billion at March 31, 2013 and December 31, 2012. We have established operational procedures to enable us to borrow against these assets, including regularly monitoring our total pool of eligible loans and securities collateral. Eligibility is defined by guidelines outlined by the FHLBs and the Federal Reserve and is subject to change at their discretion. Due to regulatory restrictions, liquidity generated by the bank subsidiaries can only be used to fund obligations within the bank subsidiaries and can only be transferred to the parent company or nonbank subsidiaries with prior regulatory approval.

Global Excess Liquidity Sources available to our broker/dealer subsidiaries totaled $\$ 23$ billion and $\$ 22$ billion at March 31, 2013 and December 31, 2012. Our broker/dealers also held other unencumbered investment-grade securities and equities that we believe could also be used to generate additional liquidity. Liquidity held in a broker/dealer subsidiary is available to meet the obligations of that entity and can only be transferred to the parent
company or to any other subsidiary with prior regulatory approval due to regulatory restrictions and minimum requirements.

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Table 20 presents the composition of Global Excess Liquidity Sources at March 31, 2013 and December 31, 2012.
Table 20
Global Excess Liquidity Sources Composition
(Dollars in billions)
Cash on deposit
U.S. Treasuries
U.S. agency securities and mortgage-backed securities

Non-U.S. government and supranational securities
Total global excess liquidity sources

| March 31 | December 31 |
| :--- | :--- |
| 2013 | 2012 |
| $\$ 58$ | $\$ 65$ |
| 22 | 21 |
| 277 | 271 |
| 15 | 15 |
| $\$ 372$ | $\$ 372$ |

## Time to Required Funding and Stress Modeling

We use a variety of metrics to determine the appropriate amounts of excess liquidity to maintain at the parent company and our bank and broker/dealer subsidiaries. One metric we use to evaluate the appropriate level of excess liquidity at the parent company is "Time to Required Funding." This debt coverage measure indicates the number of months that the parent company can continue to meet its unsecured contractual obligations as they come due using only its Global Excess Liquidity Sources without issuing any new debt or accessing any additional liquidity sources. We define unsecured contractual obligations for purposes of this metric as maturities of senior or subordinated debt issued or guaranteed by Bank of America Corporation or Merrill Lynch. These include certain unsecured debt instruments, primarily structured liabilities, which we may be required to settle for cash prior to maturity. Our Time to Required Funding was 30 months at March 31, 2013 ( 29 months including the impact of the MBIA Settlement - for additional information, see Recent Events - MBIA Settlement on page 6), which is above the Corporation's target minimum of 21 months. For purposes of calculating Time to Required Funding, at March 31, 2013, we have included in the amount of unsecured contractual obligations the $\$ 8.6$ billion liability related to the BNY Mellon Settlement and the planned redemption of $\$ 5.5$ billion in preferred stock. The BNY Mellon Settlement is subject to final court approval and certain other conditions, and the timing of payment is not certain. On April 1, 2013, a notice of redemption was sent to holders of the Corporation's $8.625 \%$ Non-Cumulative Preferred Stock, Series 8, including holders of depositary shares representing interests therein, to redeem approximately $\$ 2.7$ billion of the Series 8 Preferred Stock on May 28, 2013. On May 1, 2013, we redeemed approximately $\$ 2.9$ billion of our $8.20 \%$ Non-Cumulative Preferred Stock, Series H.

We utilize liquidity stress models to assist us in determining the appropriate amounts of excess liquidity to maintain at the parent company and our bank and broker/dealer subsidiaries. These models are risk sensitive and have become increasingly important in analyzing our potential contractual and contingent cash outflows beyond those outflows considered in the Time to Required Funding analysis. We evaluate the liquidity requirements under a range of scenarios with varying levels of severity and time horizons. The scenarios we consider and utilize incorporate market-wide and Corporation-specific events, including potential credit rating downgrades for the parent company and our subsidiaries, and are based on historical experience, regulatory guidance, and both expected and unexpected future events.

The types of potential contractual and contingent cash outflows we consider in our scenarios may include, but are not limited to, upcoming contractual maturities of unsecured debt and reductions in new debt issuance; diminished access to secured financing markets; potential deposit withdrawals and reduced rollover of maturing term deposits by customers; increased draws on loan commitments, liquidity facilities and letters of credit, including Variable Rate Demand Notes; additional collateral that counterparties could call if our credit ratings were downgraded; collateral, margin and subsidiary capital requirements arising from losses; and potential liquidity required to maintain businesses and finance customer activities. Changes in certain market factors, including, but not limited to, credit rating
downgrades, could negatively impact potential contractual and contingent outflows and the related financial instruments, and in some cases these impacts could be material to our financial results.

We consider all sources of funds that we could access during each stress scenario and focus particularly on matching available sources with corresponding liquidity requirements by legal entity. We also use the stress modeling results to manage our asset-liability profile and establish limits and guidelines on certain funding sources and businesses.

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Basel 3 Liquidity Standards
In December 2010, the Basel Committee proposed two measures of liquidity risk which are considered part of Basel 3. The first proposed liquidity measure is the Liquidity Coverage Ratio (LCR), which is calculated as the amount of a financial institution's unencumbered, high-quality, liquid assets relative to the net cash outflows the institution could encounter under a significant 30-day stress scenario. The Basel Committee announced in January 2013 that an initial minimum LCR requirement of 60 percent will be implemented in January 2015, and will thereafter increase in 10 percent annual increments through January 2019. The second proposed liquidity measure is the Net Stable Funding Ratio (NSFR), which measures the amount of longer-term, stable sources of funding employed by a financial institution relative to the liquidity profiles of the assets funded and the potential for contingent calls on funding liquidity arising from off-balance sheet commitments and obligations over a one-year period. The Basel Committee is currently reviewing the NSFR requirement and announced that it intends to implement the requirement by January 2018, following an observation period that is currently underway. We continue to monitor the development and the potential impact of these proposals and assuming adoption by U.S. banking regulators, we expect to meet the final standards within the regulatory timelines.

## Diversified Funding Sources

We fund our assets primarily with a mix of deposits and secured and unsecured liabilities through a globally coordinated funding strategy. We diversify our funding globally across products, programs, markets, currencies and investor groups.

We fund a substantial portion of our lending activities through our deposits, which were $\$ 1.10$ trillion and $\$ 1.11$ trillion at March 31, 2013 and December 31, 2012. Deposits are primarily generated by our CBB, GWIM and Global Banking segments. These deposits are diversified by clients, product type and geography, and the majority of our U.S. deposits are insured by the Federal Deposit Insurance Corporation. We consider a substantial portion of our deposits to be a stable, low-cost and consistent source of funding. We believe this deposit funding is generally less sensitive to interest rate changes, market volatility or changes in our credit ratings than wholesale funding sources. Our lending activities may also be financed through secured borrowings, including securitizations with GSEs, the FHA and private-label investors, as well as FHLB loans.

Our trading activities in broker/dealer subsidiaries are primarily funded on a secured basis through securities lending and repurchase agreements and these amounts will vary based on customer activity and market conditions. We believe funding these activities in the secured financing markets is more cost-efficient and less sensitive to changes in our credit ratings than unsecured financing. Repurchase agreements are generally short-term and often overnight. Disruptions in secured financing markets for financial institutions have occurred in prior market cycles which resulted in adverse changes in terms or significant reductions in the availability of such financing. We manage the liquidity risks arising from secured funding by sourcing funding globally from a diverse group of counterparties, providing a range of securities collateral and pursuing longer durations, when appropriate.

We issue the majority of our long-term unsecured debt at the parent company. During the three months ended March 31,2013 , the parent company issued $\$ 13.1$ billion of long-term unsecured debt, including structured liabilities of $\$ 1.6$ billion. We may also issue long-term unsecured debt through BANA in a variety of maturities and currencies to achieve cost-efficient funding and to maintain an appropriate maturity profile, although there were no new issuances through BANA during the three months ended March 31, 2013. While the cost and availability of unsecured funding may be negatively impacted by general market conditions or by matters specific to the financial services industry or the Corporation, we seek to mitigate refinancing risk by actively managing the amount of our borrowings that we anticipate will mature within any month or quarter.

The primary benefits expected from our centralized funding strategy include greater control, reduced funding costs, wider name recognition by investors and greater flexibility to meet the variable funding requirements of subsidiaries. Where regulations, time zone differences or other business considerations make parent company funding impractical, certain other subsidiaries may issue their own debt.

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Table 21 presents the carrying value of aggregate annual contractual maturities of long-term debt at March 31, 2013.
Table 21

| Long-term Debt By Maturity <br> (Dollars in millions) | 2013 | 2014 | 2015 | 2016 | 2017 | Thereafter Total |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Bank of America Corporation | $\$ 9,319$ | $\$ 21,196$ | $\$ 17,537$ | $\$ 22,086$ | $\$ 19,651$ | $\$ 52,406$ | $\$ 142,195$ |
| Merrill Lynch \& Co., Inc. and | 13,572 | 18,911 | 6,367 | 4,281 | 8,450 | 35,706 | 87,287 |
| subsidiaries | 67 | 2 | - | 1,092 | 6,439 | 1,821 | 9,421 |
| Bank of America, N.A. and subsidiaries | 3,388 | 1,490 | 1,656 | 1,514 | 18 | 1,211 | 9,277 |
| Other debt | 26,346 | 41,599 | 25,560 | 28,973 | 34,558 | 91,144 | 248,180 |
| Total long-term debt excluding | 10,527 | 9,551 | 1,462 | 1,850 | 1,726 | 6,345 | 31,461 |
| consolidated VIEs | $\$ 36,873$ | $\$ 51,150$ | $\$ 27,022$ | $\$ 30,823$ | $\$ 36,284$ | $\$ 97,489$ | $\$ 279,641$ |

Table 22 presents our long-term debt by major currency at March 31, 2013 and December 31, 2012.
Table 22
Long-term Debt By Major Currency
(Dollars in millions)
U.S. Dollar

Euro
Japanese Yen

| March 31 | December 31 |
| :--- | :--- |
| 2013 | 2012 |
| $\$ 189,917$ | $\$ 180,329$ |
| 55,554 | 58,985 |
| 11,541 | 12,749 |
| 10,320 | 11,126 |
| 3,425 | 3,560 |
| 2,680 | 2,760 |
| 1,831 | 1,917 |
| 4,373 | 4,159 |
| $\$ 279,641$ | $\$ 275,585$ |

Total long-term debt increased $\$ 4.1$ billion during the three months ended March 31, 2013, due in part to the acceleration of 2013 planned issuances. We anticipate that debt levels will decline due to maturities through 2013, reflecting our ongoing initiative to reduce our debt balances over time. We may, from time to time, purchase outstanding debt instruments in various transactions, depending on prevailing market conditions, liquidity and other factors. In addition, our broker/dealer subsidiaries may make markets in our debt instruments to provide liquidity for investors. For additional information on long-term debt funding, see Note 12 - Long-term Debt to the Consolidated Financial Statements of the Corporation's 2012 Annual Report on Form 10-K and for additional information regarding funding and liquidity risk management, see pages 75 through 79 of the MD\&A of the Corporation's 2012 Annual Report on Form 10-K.

We use derivative transactions to manage the duration, interest rate and currency risks of our borrowings, considering the characteristics of the assets they are funding. For further details on our ALM activities, see Interest Rate Risk Management for Nontrading Activities on page 118.

We also diversify our unsecured funding sources by issuing various types of debt instruments including structured liabilities, which are debt obligations that pay investors returns linked to other debt or equity securities, indices, currencies or commodities. We typically hedge the returns we are obligated to pay on these liabilities with derivative positions and/or investments in the underlying instruments, so that from a funding perspective, the cost is similar to

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our other unsecured long-term debt. We could be required to settle certain structured liability obligations for cash or other securities prior to maturity under certain circumstances, which we consider for liquidity planning purposes. We believe, however, that a portion of such borrowings will remain outstanding beyond the earliest put or redemption date. We had outstanding structured liabilities with a carrying value of $\$ 52.3$ billion and $\$ 51.7$ billion at March 31, 2013 and December 31, 2012.

Substantially all of our senior and subordinated debt obligations contain no provisions that could trigger a requirement for an early repayment, require additional collateral support, result in changes to terms, accelerate maturity or create additional financial obligations upon an adverse change in our credit ratings, financial ratios, earnings, cash flows or stock price.

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Contingency Planning
We maintain contingency funding plans that outline our potential responses to liquidity stress events at various levels of severity. These policies and plans are based on stress scenarios and include potential funding strategies and communication and notification procedures that we would implement in the event we experienced stressed liquidity conditions. We periodically review and test the contingency funding plans to validate efficacy and assess readiness.

Our U.S. bank subsidiaries can access contingency funding through the Federal Reserve Discount Window. Certain non-U.S. subsidiaries have access to central bank facilities in the jurisdictions in which they operate. While we do not rely on these sources in our liquidity modeling, we maintain the policies, procedures and governance processes that would enable us to access these sources if necessary.

## Credit Ratings

Our borrowing costs and ability to raise funds are impacted by our credit ratings. In addition, credit ratings may be important to customers or counterparties when we compete in certain markets and when we seek to engage in certain transactions, including OTC derivatives. Thus, it is our objective to maintain high-quality credit ratings.

Credit ratings and outlooks are opinions expressed by rating agencies on our creditworthiness and that of our obligations or securities, including long-term debt, short-term borrowings, preferred stock and other securities, including asset securitizations. Our credit ratings are subject to ongoing review by the rating agencies which consider a number of factors, including our own financial strength, performance, prospects and operations as well as factors not under our control. The rating agencies could make adjustments to our ratings at any time and they provide no assurances that they will maintain our ratings at current levels.

Other factors that influence our credit ratings include changes to the rating agencies' methodologies for our industry or certain security types, the rating agencies' assessment of the general operating environment for financial services companies, our mortgage exposures, our relative positions in the markets in which we compete, reputation, liquidity position, diversity of funding sources, funding costs, the level and volatility of earnings, corporate governance and risk management policies, capital position, capital management practices, and current or future regulatory and legislative initiatives.

The major rating agencies have each indicated that, as a systemically important financial institution, our credit ratings currently reflect their expectation that, if necessary, we would receive significant support from the U.S. government, and that they will continue to assess such support in the context of sovereign financial strength and regulatory and legislative developments.

On March 27, 2013, Moody's Investor Service, Inc. (Moody's) published an update on systemic support in U.S. bank ratings and indicated the agency expects to resolve the current negative outlooks on its ratings for systemically important U.S. BHCs, including that of the Corporation, during 2013. On December 20, 2012, Standard \& Poor's Ratings Services (S\&P) published a full credit analysis report on the Corporation, leaving the credit ratings for the company and its subsidiaries unchanged as of that date. On October 10, 2012, Fitch Ratings (Fitch) announced the results of its periodic review of its ratings for 12 large, complex securities trading and universal banks, including the Corporation. As part of this action, Fitch affirmed the Corporation's credit ratings.

Currently, the Corporation's long-term/short-term senior debt ratings and outlooks expressed by the rating agencies are as follows: Baa2/P-2 (negative) by Moody's, A-/A-2 (negative) by S\&P, and A/F1 (stable) by Fitch. BANA's long-term/short-term senior debt ratings and outlooks are as follows: A3/P-2 (stable) by Moody's, A/A-1 (negative) by S\&P, and A/F1 (stable) by Fitch. The credit ratings of Merrill Lynch from the three major credit rating agencies are
the same as those of the Corporation. The major credit rating agencies have indicated that the primary drivers of Merrill Lynch's credit ratings are the Corporation's credit ratings. MLPF\&S's long-term/short-term senior debt ratings and outlooks are A/A-1 (negative) by S\&P and A/F1 (stable) by Fitch. Merrill Lynch International's long-term/short-term senior debt rating is A/A-1 (negative) by S\&P.

A reduction in certain of our credit ratings or the ratings of certain asset-backed securitizations may have a material adverse effect on our liquidity, potential loss of access to credit markets, the related cost of funds, our businesses and on certain trading revenues, particularly in those businesses where counterparty creditworthiness is critical. In addition, under the terms of certain OTC derivative contracts and other trading agreements, in the event of downgrades of our or our rated subsidiaries' credit ratings, the counterparties to those agreements may require us to provide additional collateral, or to terminate these contracts or agreements, which could cause us to sustain losses and/or adversely impact our liquidity. If the short-term credit ratings of our parent company, bank or broker/dealer subsidiaries were downgraded by one or more levels, the potential loss of access to short-term funding sources such as repo financing and the effect on our incremental cost of funds could be material.

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At March 31, 2013, if the rating agencies had downgraded their long-term senior debt ratings for the Corporation or certain subsidiaries by one incremental notch, the amount of additional collateral contractually required by derivative contracts and other trading agreements would have been approximately $\$ 2.7$ billion, comprised of $\$ 2.3$ billion for BANA and $\$ 407$ million for Merrill Lynch and certain of its subsidiaries. If the rating agencies had downgraded their long-term senior debt ratings for these entities by a second incremental notch, approximately $\$ 5.4$ billion in additional incremental collateral, comprised of $\$ 1.4$ billion for BANA and $\$ 4.0$ billion for Merrill Lynch and certain of its subsidiaries, would have been required.

Also, if the rating agencies had downgraded their long-term senior debt ratings for the Corporation or certain subsidiaries by one incremental notch, the derivative liability that would be subject to unilateral termination by counterparties as of March 31, 2013 was $\$ 3.9$ billion, against which $\$ 3.1$ billion of collateral has been posted. If the rating agencies had downgraded their long-term senior debt ratings for the Corporation and certain subsidiaries by a second incremental notch, the derivative liability that would be subject to unilateral termination by counterparties as of March 31, 2013 was an incremental $\$ 1.5$ billion, against which $\$ 972$ million of collateral has been posted.

While certain potential impacts are contractual and quantifiable, the full scope of consequences of a credit ratings downgrade to a financial institution is inherently uncertain, as it depends upon numerous dynamic, complex and inter-related factors and assumptions, including whether any downgrade of a firm's long-term credit ratings precipitates downgrades to its short-term credit ratings, and assumptions about the potential behaviors of various customers, investors and counterparties. For additional information on potential impacts of credit rating downgrades, see Liquidity Risk - Time to Required Funding and Stress Modeling on page 67.

For information regarding the additional collateral and termination payments that could be required in connection with certain OTC derivative contracts and other trading agreements as a result of such a credit rating downgrade, see Note 3 - Derivatives to the Consolidated Financial Statements and Item 1A. Risk Factors of the Corporation's 2012 Annual Report on Form 10-K.

## Credit Risk Management

Credit quality continued to improve during the first quarter of 2013 due in part to improving economic conditions. Economic conditions and our proactive credit risk management activities positively impacted the credit portfolio as charge-offs and delinquencies continued to improve, primarily in the consumer portfolios and risk ratings improved in the commercial portfolios. For more information, see Executive Summary - First Quarter 2013 Economic and Business Environment on page 6.

We proactively refine our underwriting and credit management practices as well as credit standards to meet the changing economic environment. To actively mitigate losses and enhance customer support in our consumer businesses, we have in place collection programs and loan modification and customer assistance infrastructures. We utilize a number of actions to mitigate losses in the commercial businesses including increasing the frequency and intensity of portfolio monitoring, hedging activity and our practice of transferring management of deteriorating commercial exposures to independent special asset officers as credits enter criticized categories.

Certain European countries, including Greece, Ireland, Italy, Portugal and Spain, have experienced varying degrees of financial stress. For additional information on our exposures and related risks in non-U.S. countries, see Non-U.S. Portfolio on page 104 and Item 1A. Risk Factors of the Corporation's 2012 Annual Report on Form 10-K.

For information on our Credit Risk Management activities, see Consumer Portfolio Credit Risk Management on page 72, Commercial Portfolio Credit Risk Management on page 92, Non-U.S. Portfolio on page 104, Provision for Credit Losses and Allowance for Credit Losses both on page 108, Note 5 - Outstanding Loans and Leases and Note 6 -

Allowance for Credit Losses to the Consolidated Financial Statements.

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## Consumer Portfolio Credit Risk Management

Credit risk management for the consumer portfolio begins with initial underwriting and continues throughout a borrower's credit cycle. Statistical techniques in conjunction with experiential judgment are used in all aspects of portfolio management including underwriting, product pricing, risk appetite, setting credit limits, and establishing operating processes and metrics to quantify and balance risks and returns. Statistical models are built using detailed behavioral information from external sources such as credit bureaus and/or internal historical experience. These models are a component of our consumer credit risk management process and are used in part to help make both new and ongoing credit decisions, as well as portfolio management strategies, including authorizations and line management, collection practices and strategies, determination of the allowance for loan and lease losses, and allocated capital for credit risk.

Since January 2008, and through the first quarter of 2013, Bank of America and Countrywide have completed approximately 1.2 million loan modifications with customers. During the first quarter of 2013, we completed nearly 61,000 customer loan modifications with a total unpaid principal balance of approximately $\$ 13$ billion, including approximately 13,900 permanent modifications under the government's Making Home Affordable Program. Of the loan modifications completed in the three months ended March 31, 2013, in terms of both the volume of modifications and the unpaid principal balance associated with the underlying loans, most were in the portfolio serviced for investors and were not on our balance sheet. The most common types of modifications include a combination of rate reduction and/or capitalization of past due amounts which represented 66 percent of the volume of modifications completed during the three months ended March 31, 2013, while principal reductions and forgiveness represented 16 percent, principal forbearance represented 10 percent and capitalization of past due amounts represented five percent. For modified loans on our balance sheet, these modification types are generally considered TDRs. For more information on TDRs and portfolio impacts, see Consumer Portfolio Credit Risk Management - Nonperforming Consumer Loans and Foreclosed Properties Activity on page 89 and Note 5 - Outstanding Loans and Leases to the Consolidated Financial Statements.

## Consumer Credit Portfolio

Improvement in the U.S. economy, labor markets and home prices during 2012 and into the first quarter of 2013 resulted in lower credit losses across all major consumer portfolios compared to the first quarter of 2012. Although home prices have shown steady improvement over the past year, it was not enough to offset the adverse impact in the home loans portfolio since 2006.

Improved credit quality across the consumer portfolio drove a $\$ 1.8$ billion decrease in the consumer allowance for loan and lease losses to $\$ 19.3$ billion at March 31, 2013 compared to December 31, 2012. For more information, see Allowance for Credit Losses on page 108.

In January 2013, we entered into the FNMA Settlement to resolve substantially all outstanding and potential repurchase and certain other claims relating to the origination, sale and delivery of residential mortgage loans originated and sold directly to FNMA from January 1, 2000 through December 31, 2008 by entities related to Countrywide and BANA. In connection with the FNMA Settlement, we repurchased certain loans from FNMA and, as of March 31, 2013, these loans had an unpaid principal balance of $\$ 6.2$ billion and a carrying value of $\$ 5.3$ billion of which $\$ 5.9$ billion of unpaid principal balance and $\$ 4.9$ billion of carrying value were classified as PCI loans. All of these loans are included in the Legacy Assets \& Servicing portfolio in Table 26. For more information on PCI loans, see Consumer Portfolio Credit Risk Management - Purchased Credit-impaired Loan Portfolio on page 83 and Note 5 Outstanding Loans and Leases to the Consolidated Financial Statements. For more information on the FNMA Settlement, see Note 8 - Representations and Warranties Obligations and Corporate Guarantees to the Consolidated Financial Statements.

For further information on our accounting policies regarding delinquencies, nonperforming status, charge-offs and TDRs for the consumer portfolio, see Note 1 - Summary of Significant Accounting Principles to the Consolidated Financial Statements of the Corporation's 2012 Annual Report on Form 10-K.

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Table 23 presents our outstanding consumer loans and the PCI loan portfolio. In addition to being included in the "Outstandings" columns in Table 23, PCI loans are also shown separately, net of purchase accounting adjustments, in the "Purchased Credit-impaired Loan Portfolio" columns. For additional information, see Note 5 - Outstanding Loans and Leases to the Consolidated Financial Statements. The impact of the PCI loan portfolio on certain credit statistics is reported where appropriate. For more information, see Consumer Portfolio Credit Risk Management - Purchased Credit-impaired Loan Portfolio on page 83. In addition, given the continued run-off of our discontinued real estate portfolio, effective January 1, 2013, the pay option and subprime loans previously included in discontinued real estate loans are now included as part of our residential mortgage portfolio. The majority of these loans were considered credit-impaired and were written down to fair value upon acquisition. Prior periods were reclassified to conform to current period presentation. For more information on pay option and subprime loans, see Consumer Portfolio Credit Risk Management - Purchased Credit-impaired Residential Mortgage Loan Portfolio on page 85.

Table 23
Consumer Loans

## (Dollars in millions)

Residential mortgage ${ }^{(1)}$
Home equity
U.S. credit card

Non-U.S. credit card
Direct/Indirect consumer ${ }^{(2)}$
Other consumer ${ }^{(3)}$
Consumer loans excluding loans accounted for under the fair value option
Loans accounted for under the fair value option (4)
Total consumer loans

| Outstandings |  | Purchased |  |
| :---: | :---: | :---: | :---: |
|  |  | Credit-impaired Loan |  |
|  |  | Portfolio |  |
| March 31 | December 31 | March 31 | December 31 |
| 2013 | 2012 | 2013 | 2012 |
| \$256,924 | \$ 253,073 | \$22,004 | \$ 17,571 |
| 103,218 | 107,996 | 7,660 | 8,547 |
| 90,047 | 94,835 | n/a | n/a |
| 10,620 | 11,697 | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ |
| 81,518 | 83,205 | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ |
| 1,696 | 1,628 | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ |
| 544,023 | 552,434 | 29,664 | 26,118 |
| 1,041 | 1,005 | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ |
| \$545,064 | \$ 553,439 | \$29,664 | \$ 26,118 |

Outstandings include pay option loans of $\$ 6.5$ billion and $\$ 6.7$ billion, subprime loans of $\$ 533$ million and $\$ 509$
${ }^{(1)}$ million and non-U.S. residential mortgage loans of $\$ 86$ million and $\$ 93$ million at March 31, 2013 and December 31, 2012. We no longer originate pay option and subprime loans. Outstandings include dealer financial services loans of $\$ 36.1$ billion and $\$ 35.9$ billion, consumer lending loans of
(2) $\$ 4.1$ billion and $\$ 4.7$ billion, U.S. securities-based lending margin loans of $\$ 28.2$ billion and $\$ 28.3$ billion, student loans of $\$ 4.6$ billion and $\$ 4.8$ billion, non-U.S. consumer loans of $\$ 7.4$ billion and $\$ 8.3$ billion and other consumer loans of $\$ 1.1$ billion and $\$ 1.2$ billion at March 31, 2013 and December 31, 2012.
Outstandings include consumer finance loans of $\$ 1.4$ billion and other non-U.S. consumer loans of $\$ 5$ million at
(3) both period ends, and consumer overdrafts of $\$ 115$ million and $\$ 177$ million at March 31, 2013 and December 31, 2012.

Consumer loans accounted for under the fair value option were residential mortgage loans of $\$ 1.0$ billion at (4) both March 31, 2013 and December 31, 2012. See Consumer Portfolio Credit Risk Management - Consumer Loans Accounted for Under the Fair Value Option on page 88 and Note 17 - Fair Value Option to the Consolidated Financial Statements for additional information on the fair value option.
$\mathrm{n} / \mathrm{a}=$ not applicable

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Table 24 presents accruing consumer loans past due 90 days or more and consumer nonperforming loans. Nonperforming loans do not include past due consumer credit card loans, other unsecured loans and in general, consumer non-real estate-secured loans (excluding those loans discharged in Chapter 7 bankruptcy) as these loans are typically charged off no later than the end of the month in which the loan becomes 180 days past due. Real estate-secured past due consumer loans that are insured by the FHA or individually insured under long-term stand-by agreements with FNMA and FHLMC (collectively, the fully-insured loan portfolio) are reported as accruing as opposed to nonperforming since the principal repayment is insured. Fully-insured loans included in accruing past due 90 days or more are primarily from our repurchases of delinquent FHA loans pursuant to our servicing agreements with GNMA. Additionally, nonperforming loans and accruing balances past due 90 days or more do not include the PCI loan portfolio or loans accounted for under the fair value option even though the customer may be contractually past due. For additional information on FHA loans, see Off-Balance Sheet Arrangements and Contractual Obligations Servicing Matters and Foreclosure Processes on page 52.

Table 24
Consumer Credit Quality
(Dollars in millions)
Residential mortgage ${ }^{(1)}$
Home equity
U.S. credit card

Non-U.S. credit card
Direct/Indirect consumer
Other consumer
Total (2)
Consumer loans as a percentage of outstanding consumer loans (2)

Accruing Past Due 90 Days or More

| March 31 | December 31 | March 31 | December 31 |  |
| :--- | :--- | :--- | :--- | :--- |
| 2013 | 2012 | 2013 | 2012 |  |
| $\$ 21,617$ | $\$ 22,157$ | $\$ 15,002$ | $\$ 15,056$ |  |
| - | - | 4,195 | 4,281 |  |
| 1,360 | 1,437 | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ |  |
| 181 | 212 | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ |  |
| 494 | 545 | 84 | 92 |  |
| 1 | 2 | 1 | 2 |  |
| $\$ 23,653$ | $\$ 24,353$ |  | $\$ 19,282$ | $\$ 19,431$ |
| 4.35 | $\%$ | 4.41 | $\%$ | 3.54 |

Consumer loans as a percentage of outstanding loans, excluding PCI and fully-insured loan portfolios (2)
$4.35 \quad \% \quad 4.41 \quad \% \quad 3.54 \quad \% \quad 3.52 \quad \%$ Balances accruing past due 90 days or more are fully-insured loans. These balances include $\$ 17.0$ billion and $\$ 17.8$
(1) billion of loans on which interest has been curtailed by the FHA, and therefore are no longer accruing interest, although principal is still insured, and $\$ 4.6$ billion and $\$ 4.4$ billion of loans on which interest was still accruing at March 31, 2013 and December 31, 2012.
Balances exclude consumer loans accounted for under the fair value option. At March 31, 2013 and December 31,
(2) $2012, \$ 401$ million and $\$ 391$ million of loans accounted for under the fair value option were past due 90 days or more and not accruing interest.
$\mathrm{n} / \mathrm{a}=$ not applicable

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Table 25 presents net charge-offs and related ratios for consumer loans and leases.
Table 25
Consumer Net Charge-offs and Related Ratios

|  | Three Months Ended March 31 |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Net Charge-offs ${ }^{(1)}$ |  | Net Charge-off Ratios (1, 2) |  |  |  |
| (Dollars in millions) | 2013 | 2012 | 2013 |  | 2012 |  |
| Residential mortgage | \$383 | \$914 | 0.60 | \% | 1.36 | \% |
| Home equity | 684 | 957 | 2.62 |  | 3.13 |  |
| U.S. credit card | 947 | 1,331 | 4.19 |  | 5.44 |  |
| Non-U.S. credit card | 112 | 203 | 4.14 |  | 5.78 |  |
| Direct/Indirect consumer | 124 | 226 | 0.61 |  | 1.03 |  |
| Other consumer | 52 | 56 | 12.76 |  | 8.59 |  |
| Total | \$2,302 | \$3,687 | 1.70 |  | 2.48 |  |

Net charge-offs exclude $\$ 745$ million and $\$ 94$ million of write-offs in the home equity and residential mortgage PCI loan portfolios for the three months ended March 31, 2013 compared to none for the same period in 2012.
${ }^{(1)}$ These write-offs decreased the PCI valuation allowance included as part of the allowance for loan and lease losses. For more information on PCI write-offs, see Consumer Portfolio Credit Risk Management - Purchased Credit-impaired Loan Portfolio on page 83.
(2) Net charge-off ratios are calculated as annualized net charge-offs divided by average outstanding loans excluding loans accounted for under the fair value option.

Net charge-off ratios, excluding the PCI and fully-insured loan portfolios, were 1.06 percent and 2.33 percent for residential mortgage, 2.83 percent and 3.47 percent for home equity, and 2.17 percent and 3.14 percent for the total consumer portfolio for the three months ended March 31, 2013 and 2012. These are the only product classifications that include PCI and fully-insured loans for either period.

Net charge-offs exclude $\$ 745$ million and $\$ 94$ million of write-offs in the home equity and residential mortgage PCI loan portfolios for the three months ended March 31, 2013 compared to none for the same period in 2012. These write-offs decreased the PCI valuation allowance included as part of the allowance for loan and lease losses. Net charge-off ratios including the PCI write-offs for home equity and residential mortgage were 5.48 percent and 0.75 percent for the three months ended March 31, 2013. For more information on PCI write-offs, see Consumer Portfolio Credit Risk Management - Purchased Credit-impaired Loan Portfolio on page 83.

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Table 26 presents outstandings, nonperforming balances, net charge-offs, allowance for loan and lease losses and provision for loan and lease losses for the Core portfolio and the Legacy Assets \& Servicing portfolio within the home loans portfolio. For more information on Legacy Assets \& Servicing, see CRES on page 30.

Table 26
Home Loans Portfolio

|  | Outstandings |  | Nonperforming |  | Net Charge-offs ${ }^{(1)}$ Three Months |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |
|  | March 31 | December 31 | March 31 | December 31 | Ended |  |
|  | 2013 | 2012 | 2013 | 2012 | March 3 |  |
| (Dollars in millions) |  |  |  |  | 2013 | 2012 |
| Core portfolio |  |  |  |  |  |  |
| Residential mortgage | \$170,433 | \$ 170,116 | \$3,407 | \$ 3,190 | \$ 101 | \$143 |
| Home equity | 58,958 | 60,851 | 1,302 | 1,265 | 166 | 184 |
| Total Core portfolio | 229,391 | 230,967 | 4,709 | 4,455 | 267 | 327 |
| Legacy Assets \& Servicing portfolio |  |  |  |  |  |  |
| Residential mortgage ${ }^{(2)}$ | 86,491 | 82,957 | 11,595 | 11,866 | 282 | 771 |
| Home equity | 44,260 | 47,145 | 2,893 | 3,016 | 518 | 773 |
| Total Legacy Assets \& Servicing portfolio | 130,751 | 130,102 | 14,488 | 14,882 | 800 | 1,544 |
| Home loans portfolio |  |  |  |  |  |  |
| Residential mortgage | 256,924 | 253,073 | 15,002 | 15,056 | 383 | 914 |
| Home equity | 103,218 | 107,996 | 4,195 | 4,281 | 684 | 957 |
| Total home loans portfolio | \$360,142 | \$ 361,069 | \$19,197 | \$ 19,337 | \$1,067 | \$1,871 |
|  |  |  | Allowance for loan and lease losses |  | Provision for loan and lease losses Three Months |  |
|  |  |  | March 31 | December 31 | Ended |  |
|  |  |  | 2013 | 2012 | March 3 |  |
|  |  |  |  |  | 2013 | 2012 |
| Core portfolio |  |  |  |  |  |  |
| Residential mortgage |  |  | \$833 | \$ 829 | \$105 | \$200 |
| Home equity |  |  | 1,227 | 1,286 | 107 | 105 |
| Total Core portfolio |  |  | 2,060 | 2,115 | 212 | 305 |
| Legacy Assets \& Servicing portfolio |  |  |  |  |  |  |
| Residential mortgage |  |  | 5,898 | 6,259 | 34 | 1,023 |
| Home equity |  |  | 5,480 | 6,559 | 238 | 437 |
| Total Legacy Assets \& Servicing portfolio |  |  | 11,378 | 12,818 | 272 | 1,460 |
| Home loans portfolio |  |  |  |  |  |  |
| Residential mortgage |  |  | 6,731 | 7,088 | 139 | 1,223 |
| Home equity |  |  | 6,707 | 7,845 | 345 | 542 |
| Total home loans portfolio |  |  | \$ 13,438 | \$ 14,933 | \$484 | \$1,765 |

Net charge-offs exclude $\$ 745$ million and $\$ 94$ million of write-offs in the home equity and residential mortgage PCI loan portfolios for the three months ended March 31, 2013 which are included in the Legacy Assets \&
${ }_{(1)}$ Servicing portfolio. There were no write-offs for the three months ended March 31, 2012. Write-offs in the PCI loan portfolio decrease the PCI valuation allowance included as part of the allowance for loan and lease losses. For more information on PCI write-offs, see Consumer Portfolio Credit Risk Management - Purchased Credit-impaired Loan Portfolio on page 83.
(2)

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Balances exclude consumer loans accounted for under the fair value option of $\$ 1.0$ billion at both March 31, 2013 and December 31, 2012. See Consumer Portfolio Credit Risk Management - Consumer Loans Accounted for Under the Fair Value Option on page 88 and Note 17 - Fair Value Option to the Consolidated Financial Statements for additional information on the fair value option.

We believe that the presentation of information adjusted to exclude the impact of the PCI loan portfolio, the fully-insured loan portfolio and loans accounted for under the fair value option is more representative of the ongoing operations and credit quality of the business. As a result, in the following discussions of the residential mortgage and home equity portfolios, we provide information that excludes the impact of the PCI loan portfolio, the fully-insured loan portfolio and loans accounted for under the fair value option in certain credit quality statistics. We separately disclose information on the PCI loan portfolio on page 83.

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Residential Mortgage
The residential mortgage portfolio makes up the largest percentage of our consumer loan portfolio at 47 percent of consumer loans at March 31, 2013. Approximately 16 percent of the residential mortgage portfolio is in GWIM and represents residential mortgages that are originated for the home purchase and refinancing needs of our wealth management clients. The remaining portion of the portfolio is primarily in All Other and is comprised of originated loans, purchased loans used in our overall ALM activities, loans repurchased in connection with the FNMA Settlement, delinquent FHA loans repurchased pursuant to our servicing agreements with GNMA as well as loans repurchased related to our representations and warranties.

Outstanding balances in the residential mortgage portfolio, excluding $\$ 1.0$ billion of loans accounted for under the fair value option, at March 31, 2013 increased $\$ 3.9$ billion compared to December 31, 2012 as loans repurchased as part of the FNMA Settlement and new origination volume retained on our balance sheet were partially offset by paydowns, charge-offs and transfers to foreclosed properties.

At March 31, 2013 and December 31, 2012, the residential mortgage portfolio included $\$ 91.0$ billion and $\$ 90.9$ billion of outstanding fully-insured loans. On this portion of the residential mortgage portfolio, we are protected against principal loss as a result of either FHA insurance or long-term stand-by agreements with FNMA and FHLMC. At both March 31, 2013 and December 31, 2012, $\$ 66.6$ billion had FHA insurance with the remainder protected by long-term stand-by agreements. All of these loans are individually insured and therefore the Corporation does not record a significant allowance for credit losses with respect to these loans.

At March 31, 2013 and December 31, 2012, $\$ 26.7$ billion and $\$ 25.5$ billion of the FHA-insured loan population were repurchases of delinquent FHA loans pursuant to our servicing agreements with GNMA.

In addition to the long-term stand-by agreements with FNMA and FHLMC, we have mitigated a portion of our credit risk on the residential mortgage portfolio through the use of synthetic securitization vehicles as described in Note 5 Outstanding Loans and Leases to the Consolidated Financial Statements. At March 31, 2013 and December 31, 2012, the synthetic securitization vehicles referenced principal balances of $\$ 16.3$ billion and $\$ 17.6$ billion of residential mortgage loans and provided loss protection up to $\$ 449$ million and $\$ 500$ million. At March 31, 2013 and December 31, 2012, the Corporation had a receivable of $\$ 269$ million and $\$ 305$ million from these vehicles for reimbursement of losses. The Corporation records an allowance for credit losses on loans referenced by the synthetic securitization vehicles. The reported net charge-offs for the residential mortgage portfolio do not include the benefit of amounts reimbursable from these vehicles. Adjusting for the benefit of the credit protection from the synthetic securitizations, the residential mortgage net charge-off ratio, excluding the PCI and fully-insured loan portfolios, for the three months ended March 31, 2013 would have been reduced by four bps compared to seven bps for the same period in 2012.

The long-term stand-by agreements with FNMA and FHLMC and to a lesser extent the synthetic securitizations together reduce our regulatory risk-weighted assets due to the transfer of a portion of our credit risk to unaffiliated parties. At March 31, 2013 and December 31, 2012, these programs had the cumulative effect of reducing our risk-weighted assets by $\$ 7.3$ billion and $\$ 7.2$ billion, and increasing our Tier 1 capital ratio by seven bps and eight bps , and our Tier 1 common capital ratio by six bps and seven bps.

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Table 27 presents certain residential mortgage key credit statistics on both a reported basis excluding loans accounted for under the fair value option, and excluding the PCI loan portfolio, fully-insured loan portfolio and loans accounted for under the fair value option. Additionally, in the table below (in the "Reported Basis" columns) accruing balances past due and nonperforming loans do not include the PCI loan portfolio even though the customer may be contractually past due. We believe the presentation of information adjusted to exclude these loan portfolios is more representative of the credit risk in the residential mortgage loan portfolio. As such, the following discussion presents the residential mortgage portfolio excluding the PCI loan portfolio, the fully-insured loan portfolio and loans accounted for under the fair value option. For more information on the PCI loan portfolio, see page 83.

Table 27
Residential Mortgage - Key Credit Statistics
(Dollars in millions)
Outstandings
Accruing past due 30 days or more
Accruing past due 90 days or more
Nonperforming loans
Percent of portfolio
Refreshed LTV greater than 90 but less than 100
Refreshed LTV greater than 100
Refreshed FICO below 620
2006 and 2007 vintages ${ }^{(2)}$

| Reported Basis ${ }^{(1)}$ |  |  | Excluding Purchased Credit-impaired and Fully-insured Loans |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| March 31 |  | December 31 | March 31 |  |  | Dece |  |
| 2013 |  | 2012 | 2013 |  |  | 012 |  |
| \$256,924 |  | \$ 253,073 | \$ 143,967 |  |  | 144 |  |
| 27,584 |  | 28,816 | 2,851 |  |  | ,118 |  |
| 21,617 |  | 22,157 | - |  | - | - |  |
| 15,002 |  | 15,056 | 15,002 |  |  | 5,056 |  |
| 17 | \% | 15 \% | 9 | \% | 10 | 0 | \% |
| 22 |  | 28 | 17 |  | 20 | 0 |  |
| 24 |  | 23 | 14 |  | 14 | 4 |  |
| 25 |  | 25 | 33 |  | 34 | 4 |  |

Three Months Ended March 31

Net charge-off ratio ${ }^{(3)}$

| 2013 |  | 2012 |  | 2013 |  | 2012 |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 0.60 | \% | 1.36 | $\%$ | 1.06 | $\%$ | 2.33 | $\%$ |

Outstandings, accruing past due, nonperforming loans and percentages of portfolio exclude loans accounted for under the fair value option. There were $\$ 1.0$ billion of residential mortgage loans accounted for under the fair value
${ }^{(1)}$ option at both March 31, 2013 and December 31, 2012. See Consumer Portfolio Credit Risk Management Consumer Loans Accounted for Under the Fair Value Option on page 88 and Note 17 - Fair Value Option to the Consolidated Financial Statements for additional information on the fair value option.
These vintages of loans account for 59 percent and 61 percent of nonperforming residential mortgage loans at
(2) March 31, 2013 and December 31, 2012, and 65 percent and 73 percent of residential mortgage net charge-offs for the three months ended March 31, 2013 and 2012.
(3) Net charge-off ratios are calculated as annualized net charge-offs divided by average outstanding loans excluding loans accounted for under the fair value option.

Nonperforming residential mortgage loans at March 31, 2013 decreased $\$ 54$ million compared to December 31, 2012 as paydowns, returns to performing status and charge-offs outpaced new inflows. At March 31, 2013, borrowers were current on contractual payments with respect to $\$ 4.4$ billion, or 29 percent of nonperforming residential mortgage loans, and $\$ 8.2$ billion, or 54 percent of nonperforming residential mortgage loans were 180 days or more past due and had been written down to the estimated fair value of the collateral less costs to sell. Accruing loans past due 30 days or more at March 31, 2013 decreased $\$ 267$ million compared to December 31, 2012.

Net charge-offs decreased $\$ 531$ million to $\$ 383$ million for the three months ended March 31, 2013, or 1.06 percent of total average residential mortgage loans, compared to $\$ 914$ million, or 2.33 percent for the same period in 2012 . The

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decrease in net charge-offs was primarily driven by favorable portfolio trends and decreased write-downs on loans greater than 180 days past due which were written down to the estimated fair value of the collateral less costs to sell, due in part to improvement in home prices and the U.S. economy. Net charge-off ratios were further impacted by lower loan balances primarily due to paydowns and charge-offs outpacing new originations.

Loans in the residential mortgage portfolio with certain characteristics have greater risk of loss than others. These characteristics include loans with a high refreshed loan-to-value (LTV), loans originated at the peak of home prices in 2006 and 2007, interest-only loans and loans to borrowers located in California and Florida where we have concentrations and where significant declines in home prices have been experienced. Although the disclosures in this section address each of these risk characteristics separately, there is significant overlap in loans with these characteristics, which contributed to a disproportionate share of the losses in the portfolio. The residential mortgage loans with all of these higher risk characteristics comprised four percent of the residential mortgage portfolio at both March 31, 2013 and December 31, 2012, and accounted for 18 percent of the residential mortgage net charge-offs during the three months ended March 31, 2013 compared to 22 percent for the same period in 2012.

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Residential mortgage loans with a greater than 90 percent but less than 100 percent refreshed LTV represented nine percent and 10 percent of the residential mortgage portfolio at March 31, 2013 and December 31, 2012. Loans with a refreshed LTV greater than 100 percent represented 17 percent and 20 percent of the residential mortgage loan portfolio at March 31, 2013 and December 31, 2012. Of the loans with a refreshed LTV greater than 100 percent, 94 percent and 92 percent were performing at March 31, 2013 and December 31, 2012. Loans with a refreshed LTV greater than 100 percent reflect loans where the outstanding carrying value of the loan is greater than the most recent valuation of the property securing the loan. The majority of these loans have a refreshed LTV greater than 100 percent primarily due to home price deterioration since 2006. Loans to borrowers with refreshed FICO scores below 620 represented 14 percent of the residential mortgage portfolio at both March 31, 2013 and December 31, 2012.

Of the $\$ 144.0$ billion and $\$ 144.6$ billion in total residential mortgage loans outstanding at March 31, 2013 and December 31, 2012, as shown in Table 28, 41 percent and 40 percent were originated as interest-only loans. The outstanding balance of interest-only residential mortgage loans that have entered the amortization period was $\$ 15.5$ billion, or 26 percent at March 31, 2013. Residential mortgage loans that have entered the amortization period generally have experienced a higher rate of early stage delinquencies and nonperforming status compared to the residential mortgage portfolio as a whole. As of March 31, 2013, $\$ 377$ million, or two percent of outstanding interest-only residential mortgages that had entered the amortization period were accruing past due 30 days or more compared to $\$ 2.9$ billion, or two percent of accruing past due 30 days or more for the entire residential mortgage portfolio. In addition, at March 31, 2013, $\$ 2.6$ billion, or 17 percent of outstanding interest-only residential mortgages that had entered the amortization period were nonperforming compared to $\$ 15.0$ billion, or 10 percent of nonperforming loans for the entire residential mortgage portfolio. Loans in our interest-only residential mortgage portfolio have an interest-only period of three to ten years and more than 85 percent of these loans will not be required to make a fully-amortizing payment until 2015 or later.

Table 28 presents outstandings, nonperforming loans and net charge-offs by certain state concentrations for the residential mortgage portfolio. The Los Angeles-Long Beach-Santa Ana Metropolitan Statistical Area (MSA) within California represented 12 percent of outstandings at both March 31, 2013 and December 31, 2012. Loans within this MSA comprised only six percent and eight percent of net charge-offs for the three months ended March 31, 2013 and 2012.

Table 28
Residential Mortgage State Concentrations

|  | Outstandings ${ }^{(1)}$ |  | Nonperforming (1) |  | Net Charge-offs (2) Three Months |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |
|  | March 31 | December 31 | March 31 | December 31 | Ended |  |
|  | 2013 | 2012 | 2013 | 2012 | March |  |
| (Dollars in millions) |  |  |  |  | 2013 | 2012 |
| California | \$48,395 | \$ 48,673 | \$4,651 | \$ 4,581 | \$96 | \$337 |
| New York ${ }^{(3)}$ | 11,528 | 11,291 | 1,000 | 972 | 15 | 20 |
| Florida ${ }^{(3)}$ | 10,985 | 11,101 | 1,743 | 1,773 | 34 | 88 |
| Texas | 6,867 | 6,933 | 487 | 499 | 9 | 19 |
| Virginia | 5,006 | 5,097 | 426 | 410 | 9 | 16 |
| Other U.S./Non-U.S. | 61,186 | 61,553 | 6,695 | 6,821 | 220 | 434 |
| Residential mortgage loans ${ }^{(4)}$ | \$143,967 | \$ 144,648 | \$15,002 | \$ 15,056 | \$383 | \$914 |
| Fully-insured loan portfolio | 90,953 | 90,854 |  |  |  |  |
| Purchased credit-impaired residential mortgage loan portfolio | 22,004 | 17,571 |  |  |  |  |
| Total residential mortgage loan portfolio | \$256,924 | \$ 253,073 |  |  |  |  |

(1)

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Outstandings and nonperforming amounts exclude loans accounted for under the fair value option. There were $\$ 1.0$ billion of residential mortgage loans accounted for under the fair value option at both March 31, 2013 and December 31, 2012. See Consumer Portfolio Credit Risk Management - Consumer Loans Accounted for Under the Fair Value Option on page 88 and Note 17 - Fair Value Option to the Consolidated Financial Statements for additional information on the fair value option.
Net charge-offs exclude $\$ 94$ million of write-offs in the residential mortgage PCI loan portfolio for the three months ended March 31, 2013 compared to none for the same period in 2012. These write-offs decreased the PCI
${ }^{(2)}$ valuation allowance included as part of the allowance for loan and lease losses. For more information on PCI write-offs, see Consumer Portfolio Credit Risk Management - Purchased Credit-impaired Loan Portfolio on page 83.
${ }^{(3)}$ In these states, foreclosure requires a court order following a legal proceeding (judicial states).
${ }^{(4)}$ Amount excludes the PCI residential mortgage and fully-insured loan portfolios.

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The Community Reinvestment Act (CRA) encourages banks to meet the credit needs of their communities for housing and other purposes, particularly in neighborhoods with low or moderate incomes. At March 31, 2013 and December 31, 2012, our CRA portfolio was $\$ 11.2$ billion and $\$ 11.3$ billion, or eight percent of the residential mortgage loan balances for both periods. The CRA portfolio included $\$ 2.4$ billion and $\$ 2.5$ billion of nonperforming loans at March 31, 2013 and December 31, 2012 representing 16 percent of total nonperforming residential mortgage loans for both periods. Net charge-offs related to the CRA portfolio were $\$ 91$ million and $\$ 187$ million for the three months ended March 31, 2013 and 2012, or 24 percent and 20 percent of total net charge-offs for the residential mortgage portfolio.

## Home Equity

The home equity portfolio makes up 19 percent of the consumer portfolio and is comprised of HELOCs, home equity loans and reverse mortgages. At March 31, 2013, our HELOC portfolio had an outstanding balance of $\$ 87.6$ billion, or 85 percent of the total home equity portfolio. HELOCs generally have an initial draw period of 10 years with approximately nine percent of the portfolio having a draw period of five years with a five-year renewal option. During the initial draw period, the borrowers are only required to pay the interest due on the loans on a monthly basis. After the initial draw period ends, the loans generally convert to 15 -year amortizing loans.

At March 31, 2013, our home equity loan portfolio had an outstanding balance of $\$ 14.2$ billion, or 14 percent of the total home equity portfolio. Home equity loans are almost all fixed-rate loans with amortizing payment terms of 10 to 30 years and 51 percent of these loans have 25- to 30 -year terms.

At March 31, 2013, our reverse mortgage portfolio had an outstanding balance of $\$ 1.4$ billion, or one percent of the total home equity portfolio. We no longer originate these products.

At March 31, 2013, approximately 86 percent of the home equity portfolio was included in CRES while the remainder of the portfolio was primarily in GWIM. Outstanding balances in the home equity portfolio at March 31, 2013 decreased $\$ 4.8$ billion compared to December 31, 2012 primarily due to paydowns and charge-offs outpacing new originations and draws on existing lines. Of the total home equity portfolio at March 31, 2013 and December 31, 2012, $\$ 24.3$ billion and $\$ 24.7$ billion, or 23 percent for both periods, were in first-lien positions ( 25 percent excluding the PCI home equity portfolio at both March 31, 2013 and December 31, 2012). At March 31, 2013, outstanding balances in the home equity portfolio that were in a second-lien or more junior-lien position and where we also held the first-lien loan totaled $\$ 27.5$ billion, or 29 percent of our total home equity portfolio excluding the PCI loan portfolio.

Unused HELOCs totaled $\$ 60.0$ billion at March 31, 2013 compared to $\$ 60.9$ billion at December 31, 2012. This decrease was primarily due to customers choosing to close accounts as well as line management initiatives on deteriorating accounts, which more than offset new production. The HELOC utilization rate was 59 percent at March 31, 2013 compared to 60 percent at December 31, 2012.

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Table 29 presents certain home equity portfolio key credit statistics on both a reported basis as well as excluding the PCI loan portfolio. Additionally, in the table below (in the "Reported Basis" columns) accruing balances past due 30 days or more and nonperforming loans do not include the PCI loan portfolio even though the customer may be contractually past due. We believe the presentation of information adjusted to exclude the impact of the PCI loan portfolio is more representative of the credit risk in this portfolio.

Table 29
Home Equity - Key Credit Statistics
(Dollars in millions)
Outstandings
Accruing past due 30 days or more ${ }^{(1)}$
Nonperforming loans ${ }^{(1)}$
Percent of portfolio
Refreshed combined LTV greater than 90 but less than 100
Refreshed combined LTV greater than 100
Refreshed FICO below 620
2006 and 2007 vintages ${ }^{(2)}$

| Reported Basis |  |  | Excluding Purchased Credit-impaired Loans |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| March 31 |  | December 31 | March 31 |  |  |  |
| 2013 |  | 2012 | 2013 |  | 201 |  |
| \$ 103,218 |  | \$ 107,996 | \$95,558 |  |  |  |
| 983 |  | 1,098 | 983 |  | 1,0 |  |
| 4,195 |  | 4,281 | 4,195 |  | 4,2 |  |
| 10 | \% | 10 \% | 10 | \% | 10 | \% |
| 30 |  | 31 | 27 |  | 29 |  |
| 9 |  | 9 | 8 |  | 8 |  |
| 48 |  | 48 | 45 |  | 46 |  |

Three Months Ended March 31

| 2013 |  | 2012 |  | 2013 |  | 2012 |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 2.62 | $\%$ | 3.13 | $\%$ | 2.83 | $\%$ | 3.47 | $\%$ |

Accruing past due 30 days or more includes $\$ 303$ million and $\$ 321$ million and nonperforming loans includes $\$ 791$
${ }^{(1)}$ million and $\$ 824$ million of loans where we serviced the underlying first-lien at March 31, 2013 and December 31, 2012.

These vintages of loans have higher refreshed combined LTV ratios and accounted for 51 percent of
(2) nonperforming home equity loans at both March 31, 2013 and December 31, 2012, and accounted for 60 percent and 65 percent of net charge-offs for the three months ended March 31, 2013 and 2012.
${ }^{(3)}$ Net charge-off ratios are calculated as annualized net charge-offs divided by average outstanding loans.
The following discussion presents the home equity portfolio excluding the PCI loan portfolio.

Nonperforming outstanding balances in the home equity portfolio at March 31, 2013 decreased $\$ 86$ million compared to December 31, 2012 due to charge-offs and returns to performing status outpacing new inflows.

At March 31, 2013, on $\$ 2.0$ billion, or 48 percent of nonperforming home equity loans, the borrowers were current on contractual payments and $\$ 1.3$ billion, or 30 percent of nonperforming home equity loans were 180 days or more past due and had been written down to the estimated fair value of the collateral less costs to sell. Outstanding balances accruing past due 30 days or more at March 31, 2013 decreased $\$ 115$ million compared to December 31, 2012.

In some cases, the junior-lien home equity outstanding balance that we hold is performing, but the underlying first-lien is not. For outstanding balances in the home equity portfolio on which we service the first-lien loan, we are able to track whether the first-lien loan is in default. For loans where the first-lien is serviced by a third party, we utilize credit bureau data to estimate the delinquency status of the first-lien. Given that the credit bureau database we use does not include a property address for the mortgages, we are unable to identify with certainty whether a reported delinquent first-lien mortgage pertains to the same property for which we hold a junior-lien loan. At March 31, 2013, we estimate that $\$ 2.5$ billion of current and $\$ 508$ million of 30 to 89 days past due junior-lien loans were behind a

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delinquent first-lien loan. We service the first-lien loans on $\$ 858$ million of these combined amounts, with the remaining $\$ 2.1$ billion serviced by third parties. Of the $\$ 3.0$ billion current to 89 days past due junior-lien loans, based on available credit bureau data and our own internal servicing data, we estimate that approximately $\$ 1.4$ billion had first-lien loans that were 90 days or more past due.

Net charge-offs decreased $\$ 273$ million to $\$ 684$ million, or 2.83 percent of the total average home equity portfolio, for the three months ended March 31, 2013 compared to $\$ 957$ million, or 3.47 percent for the same period in 2012 primarily driven by favorable portfolio trends due in part to improvement in home prices and the U.S. economy. Net charge-off ratios were further impacted by lower outstanding balances primarily as a result of paydowns and charge-offs outpacing new originations and draws on existing lines.

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There are certain characteristics of the home equity portfolio that have contributed to higher losses including those loans with a high refreshed combined loan-to-value (CLTV), loans that were originated at the peak of home prices in 2006 and 2007, and loans in geographic areas that have experienced the most significant declines in home prices. Home price declines since 2006 coupled with the fact that most home equity outstandings are secured by second-lien positions have significantly reduced and, in some cases, eliminated all collateral value after consideration of the first-lien position. Although the disclosures in this section address each of these risk characteristics separately, there is significant overlap in outstanding balances with these characteristics, which has contributed to a disproportionate share of losses in the portfolio. Outstanding balances in the home equity portfolio with all of these higher risk characteristics comprised eight percent of the total home equity portfolio at both March 31, 2013 and December 31, 2012, and accounted for 19 percent and 26 percent of the home equity net charge-offs for the three months ended March 31, 2013 and 2012.

Outstanding balances in the home equity portfolio with greater than 90 percent but less than 100 percent refreshed CLTVs comprised 10 percent of the home equity portfolio at both March 31, 2013 and December 31, 2012. Outstanding balances with refreshed CLTVs greater than 100 percent comprised 27 percent and 29 percent of the home equity portfolio at March 31, 2013 and December 31, 2012. Outstanding balances in the home equity portfolio with a refreshed CLTV greater than 100 percent reflect loans where the carrying value and available line of credit of the combined loans are equal to or greater than the most recent valuation of the property securing the loan. Depending on the value of the property, there may be collateral in excess of the first-lien that is available to reduce the severity of loss on the second-lien. Home price deterioration since 2006 has contributed to an increase in CLTV ratios. Of those outstanding balances with a refreshed CLTV greater than 100 percent, 96 percent of the customers were current on their home equity loan and 92 percent of second-lien loans with a refreshed CLTV greater than 100 percent were current on both their second-lien and underlying first-lien loans at March 31, 2013. Outstanding balances in the home equity portfolio to borrowers with a refreshed FICO score below 620 represented eight percent of the home equity portfolio at both March 31, 2013 and December 31, 2012.

Of the $\$ 95.6$ billion and $\$ 99.4$ billion in total home equity portfolio outstandings at March 31, 2013 and December 31, 2012, 80 percent and 79 percent were interest-only loans, almost all of which were HELOCs. The outstanding balance of HELOCs that have entered the amortization period was $\$ 2.2$ billion, or three percent of total HELOCs at March 31, 2013. The HELOCs that have entered the amortization period have experienced a higher percentage of early stage delinquencies and nonperforming status when compared to the HELOC portfolio as a whole. At March 31, 2013, \$70 million, or three percent of outstanding HELOCs that had entered the amortization period were accruing past due 30 days or more compared to $\$ 879$ million, or one percent of outstanding accruing past due 30 days or more for the entire HELOC portfolio. In addition, at March 31, 2013, $\$ 149$ million, or seven percent of outstanding HELOCs that had entered the amortization period were nonperforming compared to $\$ 3.7$ billion, or four percent of outstandings that were nonperforming for the entire HELOC portfolio. Loans in our HELOC portfolio generally have an initial draw period of 10 years and more than 85 percent of these loans will not be required to make a fully-amortizing payment until 2015 or later.

Although we do not actively track how many of our home equity customers pay only the minimum amount due on their home equity loans and lines, we can infer some of this information through a review of our HELOC portfolio that we service and that is still in its revolving period (i.e., customers may draw on and repay their line of credit, but are generally only required to pay interest on a monthly basis). During the three months ended March 31, 2013, approximately 62 percent of these customers did not pay any principal on their HELOCs.

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Table 30 presents outstandings, nonperforming balances and net charge-offs by certain state concentrations for the home equity portfolio. In the New York area, the New York-Northern New Jersey-Long Island MSA made up 11 percent of the outstanding home equity portfolio at both March 31, 2013 and December 31, 2012. This MSA comprised nine percent and eight percent of net charge-offs for the three months ended March 31, 2013 and 2012. The Los Angeles-Long Beach-Santa Ana MSA within California made up 12 percent of the outstanding home equity portfolio at both March 31, 2013 and December 31, 2012. This MSA comprised 10 percent and 12 percent of net charge-offs for the three months ended March 31, 2013 and 2012.

For information on representations and warranties related to our home equity portfolio, see Off-Balance Sheet Arrangements and Contractual Obligations - Representations and Warranties on page 45 and Note 8 - Representations and Warranties Obligations and Corporate Guarantees to the Consolidated Financial Statements.

Table 30
Home Equity State Concentrations

|  | Outstandings |  | Nonperforming |  | Net Charge-offs ${ }^{(1)}$ Three Months |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |
|  | March 31 | December 31 | March 31 | December 31 | Ended |  |
|  | 2013 | 2012 | 2013 | 2012 | March |  |
| (Dollars in millions) |  |  |  |  | 2013 | 2012 |
| California | \$27,566 | \$ 28,728 | \$1,100 | \$ 1,127 | \$193 | \$316 |
| Florida ${ }^{(2)}$ | 11,523 | 11,898 | 682 | 706 | 122 | 164 |
| New Jersey ${ }^{(2)}$ | 6,574 | 6,788 | 305 | 312 | 36 | 43 |
| New York ${ }^{(2)}$ | 6,518 | 6,734 | 409 | 419 | 39 | 48 |
| Massachusetts | 4,200 | 4,381 | 141 | 140 | 15 | 14 |
| Other U.S./Non-U.S. | 39,177 | 40,920 | 1,558 | 1,577 | 279 | 372 |
| Home equity loans ${ }^{(3)}$ | \$95,558 | \$ 99,449 | \$4,195 | \$ 4,281 | \$684 | \$957 |
| Purchased credit-impaired home equity portfolio | 7,660 | 8,547 |  |  |  |  |
| Total home equity loan portfolio | \$103,218 | \$ 107,996 |  |  |  |  |

Net charge-offs exclude $\$ 745$ million of write-offs in the home equity PCI loan portfolio for the three months ${ }_{(1)}$ ended March 31, 2013 compared to none for the same period in 2012. These write-offs decreased the PCI valuation allowance included as part of the allowance for loan and lease losses. For more information on PCI write-offs, see Consumer Portfolio Credit Risk Management - Purchased Credit-impaired Loan Portfolio on page 83.
${ }^{(2)}$ In these states, foreclosure requires a court order following a legal proceeding (judicial states).
${ }^{(3)}$ Amount excludes the PCI home equity portfolio.

## Purchased Credit-impaired Loan Portfolio

Loans acquired with evidence of credit quality deterioration since origination and for which it is probable at purchase that we will be unable to collect all contractually required payments are accounted for under the accounting guidance for PCI loans, which addresses accounting for differences between contractual and expected cash flows to be collected from the purchaser's initial investment in loans if those differences are attributable, at least in part, to credit quality. Evidence of credit quality deterioration as of the acquisition date may include statistics such as past due status, refreshed FICO scores and refreshed LTVs. PCI loans are recorded at fair value upon acquisition and the applicable accounting guidance prohibits carrying over or recording a valuation allowance in the initial accounting.

PCI loans that have similar risk characteristics, primarily credit risk, collateral type and interest rate risk, are pooled and accounted for as a single asset with a single composite interest rate and an aggregate expectation of cash flows. Once a pool is assembled, it is considered as if it were one loan for purposes of applying the accounting guidance for

PCI loans. An individual loan is removed from a PCI loan pool if it is sold, foreclosed, forgiven or the expectation of any future proceeds is remote. When a loan is removed from a PCI loan pool and the foreclosure or recovery value of the loan is less than the loan's carrying value, the difference is first applied against the PCI pool's nonaccretable difference. If the nonaccretable difference has been fully utilized, only then is the PCI pool's basis applicable to that loan written-off against its valuation reserve; however, the integrity of the pool is maintained and it continues to be accounted for as if it were one loan.

In January 2013, in connection with the FNMA Settlement, we repurchased certain residential mortgage loans that had previously been sold to FNMA, which we have valued at less than the purchase price. As of March 31, 2013, loans repurchased in connection with the FNMA Settlement that we classified as PCI had an unpaid principal balance of $\$ 5.9$ billion and a carrying value of $\$ 4.9$ billion, all of which were residential mortgage loans. For additional information, see Note 8 - Representations and Warranties Obligations and Corporate Guarantees to the Consolidated Financial Statements.

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Table 31 presents the unpaid principal balance, carrying value, related valuation allowance and the net carrying value as a percentage of the unpaid principal balance for the PCI loan portfolio.

Table 31
Purchased Credit-impaired Loan Portfolio

|  |  |  | Carrying |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | | Percent of |
| :--- |

The total PCI unpaid principal balance increased $\$ 4.1$ billion, or 16 percent, to $\$ 30.7$ billion at March 31, 2013 compared to December 31, 2012 primarily due to the $\$ 5.9$ billion of loans repurchased in connection with the FNMA Settlement. Excluding the $\$ 5.9$ billion of loans repurchased, the total PCI unpaid principal balance decreased $\$ 1.7$ billion primarily driven by liquidations, payoffs and paydowns.

Of the unpaid principal balance of $\$ 30.7$ billion at March 31, 2013, $\$ 7.8$ billion was 180 days or more past due, including $\$ 7.6$ billion of first-lien and $\$ 205$ million of home equity loans. Of the $\$ 22.9$ billion that was less than 180 days past due, $\$ 19.5$ billion, or 85 percent of the total unpaid principal balance, was current based on the contractual terms while $\$ 2.1$ billion, or nine percent, was in early stage delinquency.

During the three months ended March 31, 2013, we recorded a provision benefit of $\$ 207$ million for the PCI loan portfolio including a provision benefit of $\$ 191$ million for residential mortgage and a benefit of $\$ 16$ million for home equity. This compared to a total provision expense of $\$ 487$ million for the three months ended March 31, 2012. The provision for credit losses for the three months ended March 31, 2013 was primarily driven by an improvement in our home price outlook.

The PCI valuation allowance declined $\$ 1.0$ billion during the three months ended March 31, 2013 due to $\$ 745$ million and $\$ 94$ million of write-offs in the home equity and residential mortgage PCI loan portfolios, and a provision benefit of $\$ 207$ million for the PCI loan portfolio. Subsequent to the substantial fulfillment of the principal reduction commitments associated with the National Mortgage Settlement, we reviewed certain PCI loans that were ineligible for the program but had similar characteristics as the eligible PCI loans. Based on this review, we updated our estimates as to the likelihood of any proceeds being received from the ineligible PCI loans and wrote off the loans where the expectation of future cash proceeds is now considered remote.

Additional information on the PCI residential mortgage and home equity portfolios is provided in the following sections.

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Purchased Credit-impaired Residential Mortgage Loan Portfolio
The PCI residential mortgage loan portfolio comprised 74 percent of the total PCI loan portfolio at March 31, 2013. Those loans to borrowers with a refreshed FICO score below 620 represented 56 percent of the PCI residential mortgage loan portfolio at March 31, 2013. Loans with a refreshed LTV greater than 90 percent, after consideration of purchase accounting adjustments and the related valuation allowance, represented 46 percent of the PCI residential mortgage loan portfolio and 68 percent based on the unpaid principal balance at March 31, 2013. Table 32 presents outstandings net of purchase accounting adjustments and before the related valuation allowance, by certain state concentrations.

Table 32
Outstanding Purchased Credit-impaired Loan Portfolio - Residential Mortgage State Concentrations
(Dollars in millions)
California
Florida ${ }^{(1)}$
Virginia
Maryland
Texas
Other U.S./Non-U.S.
Total

March 31
20132012
\$9,841 \$ 9,253
2,080 1,812
$848 \quad 718$
$819 \quad 421$
$503 \quad 204$
7,913 5,163
\$22,004
\$ 17,571
${ }^{(1)}$ In this state, foreclosure requires a court order following a legal proceeding (judicial state).
Pay option adjustable-rate mortgages (ARMs), which are included in the residential mortgage portfolio, have interest rates that adjust monthly and minimum required payments that adjust annually, subject to resetting if minimum payments are made and deferred interest limits are reached. Annual payment adjustments are subject to a 7.5 percent maximum change. To ensure that contractual loan payments are adequate to repay a loan, the fully-amortizing loan payment amount is re-established after the initial five- or 10 -year period and again every five years thereafter. These payment adjustments are not subject to the 7.5 percent limit and may be substantial due to changes in interest rates and the addition of unpaid interest to the loan balance. Payment advantage ARMs have interest rates that are fixed for an initial period of five years. Payments are subject to reset if the minimum payments are made and deferred interest limits are reached. If interest deferrals cause a loan's principal balance to reach a certain level within the first 10 years of the life of the loan, the payment is reset to the interest-only payment; then at the 10-year point, the fully-amortizing payment is required.

The difference between the frequency of changes in a loan's interest rates and payments along with a limitation on changes in the minimum monthly payments of 7.5 percent per year can result in payments that are not sufficient to pay all of the monthly interest charges (i.e., negative amortization). Unpaid interest is added to the loan balance until the loan balance increases to a specified limit, which can be no more than 115 percent of the original loan amount, at which time a new monthly payment amount adequate to repay the loan over its remaining contractual life is established.

At March 31, 2013, the unpaid principal balance of pay option loans was $\$ 6.7$ billion, with a carrying amount of $\$ 6.5$ billion, including $\$ 5.9$ billion of loans that were credit-impaired upon acquisition, and accordingly, the reserve is based on a life-of-loan loss estimate. The total unpaid principal balance of pay option loans with accumulated negative amortization was $\$ 4.2$ billion including $\$ 260$ million of negative amortization. For those borrowers who are making payments in accordance with their contractual terms, six percent and 10 percent at March 31, 2013 and December 31, 2012 elected to make only the minimum payment on pay option ARMs. We believe the majority of borrowers are now making scheduled payments primarily because the low rate environment has caused the fully indexed rates to be

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affordable to more borrowers. We continue to evaluate our exposure to payment resets on the acquired negative-amortizing loans including the PCI pay option loan portfolio and have taken into consideration in the evaluation several assumptions regarding this evaluation including prepayment and default rates. Of the loans in the pay option portfolio at March 31, 2013 that have not already experienced a payment reset, less than one percent are expected to reset before 2016, 17 percent are expected to reset in 2016 and seven percent are expected to reset thereafter. In addition, seven percent are expected to prepay and 68 percent are expected to default prior to being reset, most of which were severely delinquent as of March 31, 2013.

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Purchased Credit-impaired Home Equity Loan Portfolio
The PCI home equity portfolio comprised 26 percent of the total PCI loan portfolio at March 31, 2013. Those loans with a refreshed FICO score below 620 represented 18 percent of the PCI home equity portfolio at March 31, 2013. Loans with a refreshed CLTV greater than 90 percent, after consideration of purchase accounting adjustments and the related valuation allowance, represented 74 percent of the PCI home equity portfolio and 75 percent based on the unpaid principal balance at March 31, 2013. Table 33 presents outstandings net of purchase accounting adjustments and before the related valuation allowance, by certain state concentrations.

Table 33
Outstanding Purchased Credit-impaired Loan Portfolio - Home Equity State Concentrations

| (Dollars in millions) | March 31 | December 31 |
| :--- | :--- | :--- |
| California | 2013 | 2012 |
| Florida $^{(1)}$ | $\$ 2,299$ | $\$ 2,614$ |
| Virginia | 413 | 509 |
| Arizona | 356 | 380 |
| Colorado | 252 | 294 |
| Other U.S./Non-U.S. | 244 | 260 |
| Total | 4,096 | 4,490 |
| (1) In this state, foreclosure requires a court order following a legal proceeding (judicial state). |  |  |

## U.S. Credit Card

The U.S. credit card portfolio is managed in CBB. Outstandings in the U.S. credit card portfolio at March 31, 2013 decreased $\$ 4.8$ billion compared to December 31, 2012 due to a seasonal decline in retail transaction volume. For the three months ended March 31, 2013, net charge-offs decreased $\$ 384$ million to $\$ 947$ million compared to the same period in 2012 due to improvements in delinquencies and bankruptcies as a result of an improved economic environment, account management on higher risk accounts and the impact of higher credit quality originations. U.S. credit card loans 30 days or more past due and still accruing interest at March 31, 2013 decreased $\$ 238$ million while loans 90 days or more past due and still accruing interest declined $\$ 77$ million compared to December 31, 2012 as a result of the factors mentioned above that contributed to lower net charge-offs. Table 34 presents certain key credit statistics for the consumer U.S. credit card portfolio.

Table 34
U.S. Credit Card - Key Credit Statistics

| (Dollars in millions) | March 31 | December 31 |
| :--- | :--- | :--- |
| Outstandings | 2013 | 2012 |
| Accruing past due 30 days or more | $\$ 90,047$ | $\$ 94,835$ |
| Accruing past due 90 days or more | 2,510 | 2,748 |
|  | 1,360 | 1,437 |


|  | Three Months Ended |  |
| :--- | :--- | :--- | :--- |
| March 31 |  |  |
| Net charge-offs | 2013 | 2012 |
| Net charge-off ratios (1) | $\$ 947$ | $\$ 1,331$ |

${ }^{(1)}$ Net charge-off ratios are calculated as annualized net charge-offs divided by average outstanding loans.

Unused lines of credit for U.S. credit card totaled $\$ 330.4$ billion at March 31, 2013 compared to $\$ 335.5$ billion at December 31, 2012. The $\$ 5.1$ billion decrease was driven by closure of inactive accounts and account management initiatives on higher risk accounts.

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Table 35 presents certain state concentrations for the U.S. credit card portfolio.
Table 35
U.S. Credit Card State Concentrations

|  | Outstandings |  |  | Accruing Past Due <br> 90 Days or More | Net Charge-offs |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |

Non-U.S. Credit Card
Outstandings in the non-U.S. credit card portfolio, which are recorded in All Other, at March 31, 2013 decreased $\$ 1.1$ billion compared to December 31, 2012 due to a weakening of the British Pound against the U.S. Dollar and a seasonal decline in retail transaction volume. For the three months ended March 31, 2013, net charge-offs decreased $\$ 91$ million to $\$ 112$ million compared to the same period in 2012 due primarily to improvement in delinquencies as a result of higher credit quality originations and portfolio sales.

Unused lines of credit for non-U.S. credit card at March 31, 2013 decreased $\$ 2.6$ billion to $\$ 29.6$ billion compared to December 31, 2012 driven by a weakening of the British Pound against the U.S. Dollar.

Table 36 presents certain key credit statistics for the non-U.S. credit card portfolio.
Table 36
Non-U.S. Credit Card - Key Credit Statistics

| (Dollars in millions) | March 31 | December 31 |
| :--- | :--- | :--- |
| Outstandings | 2013 | 2012 |
| Accruing past due 30 days or more | $\$ 10,620$ | $\$ 11,697$ |
| Accruing past due 90 days or more | 337 | 403 |
|  | 181 | 212 |
|  |  |  |
|  | Three Months Ended |  |
|  | March 31 |  |
| Net charge-offs | 2013 | 2012 |
| Net charge-off ratios ${ }^{(1)}$ | $\$ 112$ | $\$ 203$ |

${ }^{(1)}$ Net charge-off ratios are calculated as annualized net charge-offs divided by average outstanding loans and leases.

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Direct/Indirect Consumer
At March 31, 2013, approximately 44 percent of the direct/indirect portfolio was included in Global Banking (dealer financial services - automotive, marine, aircraft and recreational vehicle loans), 40 percent was included in GWIM (principally securities-based lending margin loans and unsecured personal loans), five percent was included in CBB (consumer personal loans) and the remainder was in All Other (the GWIM International Wealth Management (IWM) businesses based outside of the U.S. and student loans).

Outstanding loans and leases at March 31, 2013 decreased $\$ 1.7$ billion compared to December 31, 2012 due to a loan sale within securities-based lending (in connection with the Corporation's agreement to sell the IWM businesses) and lower outstandings in the unsecured consumer lending portfolio. For the three months ended March 31, 2013, net charge-offs decreased $\$ 102$ million to $\$ 124$ million, or 0.61 percent of total average direct/indirect loans compared to 1.03 percent for the same period in 2012. This decrease was primarily driven by improvements in delinquencies and bankruptcies in the unsecured consumer lending portfolio as a result of an improved economic environment as well as reduced outstandings.

For the three months ended March 31, 2013, net charge-offs in the unsecured consumer lending portfolio decreased $\$ 87$ million to $\$ 70$ million, or 6.43 percent of total average unsecured consumer lending loans compared to 8.31 percent for the same period in 2012. Direct/indirect loans that were past due 30 days or more and still accruing interest declined $\$ 194$ million to $\$ 1.2$ billion at March 31, 2013 compared to December 31, 2012 due to improvements in the unsecured consumer lending, dealer financial services and student lending portfolios.

Table 37 presents certain state concentrations for the direct/indirect consumer loan portfolio.
Table 37
Direct/Indirect State Concentrations

|  | Outstandings |  | Accruing Past Due 90 Days or More |  | Net Charge-offs Three Months |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |
|  | March 31 | December 31 | March 31 | December 31 | Ended |
|  | 2013 | 2012 | 2013 | 2012 | March 31 |
| (Dollars in millions) |  |  |  |  | 20132012 |
| California | \$ 10,403 | \$ 10,793 | \$45 | \$ 53 | \$14 \$31 |
| Florida | 7,504 | 7,363 | 30 | 37 | $13 \quad 25$ |
| Texas | 7,295 | 7,239 | 37 | 41 | $12 \quad 18$ |
| New York | 4,687 | 4,794 | 24 | 28 | $7 \quad 12$ |
| Georgia | 2,458 | 2,491 | 28 | 31 | 9 |
| Other U.S./Non-U.S. | 49,171 | 50,525 | 330 | 355 | 73131 |
| Total direct/indirect loan portfolio | \$81,518 | \$ 83,205 | \$494 | \$ 545 | \$124 \$226 |

## Other Consumer

At March 31, 2013, approximately 80 percent of the $\$ 1.7$ billion other consumer portfolio was associated with certain consumer finance businesses that we previously exited and non-U.S. consumer loan portfolios that are included in All Other. The remainder is primarily deposit overdrafts included in CBB.

Consumer Loans Accounted for Under the Fair Value Option

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Outstanding consumer loans accounted for under the fair value option were comprised entirely of residential mortgage loans in consolidated variable interest entities of $\$ 1.0$ billion at March 31, 2013. During the three months ended March 31,2013 , we recorded net gains of $\$ 36$ million resulting from changes in the fair value of the loan portfolio. These were offset by net losses recorded on the related long-term debt.

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Nonperforming Consumer Loans and Foreclosed Properties Activity
Table 38 presents nonperforming consumer loans and foreclosed properties activity for the three months ended March 31, 2013 and 2012. Nonperforming LHFS are excluded from nonperforming loans as they are recorded at either fair value or the lower of cost or fair value. Nonperforming loans do not include past due consumer credit card loans, other unsecured loans and in general, consumer non-real estate-secured loans (excluding those loans discharged in Chapter 7 bankruptcy), as these loans are typically charged off no later than the end of the month in which the loan becomes 180 days past due. The charge-offs on these loans have no impact on nonperforming activity and accordingly are excluded from Table 38. The fully-insured loan portfolio is not reported as nonperforming as principal repayment is insured. Additionally, nonperforming loans do not include the PCI loan portfolio or loans accounted for under the fair value option. For further information on nonperforming loans, see Note 1 - Summary of Significant Accounting Principles to the Consolidated Financial Statements of the Corporation's 2012 Annual Report on Form 10-K. During the three months ended March 31, 2013, nonperforming loans decreased $\$ 149$ million to $\$ 19.3$ billion as outflows outpaced new inflows which continued to improve due to favorable delinquency trends.

The outstanding balance of a real estate-secured loan that is in excess of the estimated property value less costs to sell, is charged off no later than the end of the month in which the loan becomes 180 days past due unless repayment of the loan is fully insured. At March 31, 2013, \$10.1 billion, or 51 percent of nonperforming consumer real estate loans and foreclosed properties had been written down to their estimated property value less costs to sell, including $\$ 9.4$ billion of nonperforming loans 180 days or more past due and $\$ 620$ million of foreclosed properties. In addition, at March 31, 2013, $\$ 6.4$ billion of nonperforming loans, or 33 percent of nonperforming consumer loans were modified and are now current after successful trial periods, or are current loans classified as nonperforming loans due to regulatory guidance issued in 2012. For additional information on regulatory guidance issued in 2012, see Consumer Portfolio Credit Risk Management on page 80 of the MD\&A of the Corporation's 2012 Annual Report on Form 10-K.

Foreclosed properties decreased $\$ 30$ million during the three months ended March 31, 2013 as liquidations outpaced additions. PCI loans are excluded from nonperforming loans as these loans were written down to fair value at the acquisition date; however, once the underlying real estate is acquired by the Corporation upon foreclosure of the delinquent PCI loan, it is included in foreclosed properties. PCI related foreclosed properties increased $\$ 47$ million during the three months ended March 31, 2013. Not included in foreclosed properties at March 31, 2013 was $\$ 2.3$ billion of real estate that was acquired upon foreclosure of delinquent FHA-insured loans. We hold this real estate on our balance sheet until we convey these properties to the FHA. We exclude these amounts from our nonperforming loans and foreclosed properties activity as we will be reimbursed once the property is conveyed to the FHA for principal and, up to certain limits, costs incurred during the foreclosure process and interest incurred during the holding period. For additional information on the review of our foreclosure processes, see Off-Balance Sheet Arrangements and Contractual Obligations - Servicing Matters and Foreclosure Processes on page 52.

## Restructured Loans

Nonperforming loans also include certain loans that have been modified in TDRs where economic concessions have been granted to borrowers experiencing financial difficulties. These concessions typically result from the Corporation's loss mitigation activities and could include reductions in the interest rate, payment extensions, forgiveness of principal, forbearance or other actions. Certain TDRs are classified as nonperforming at the time of restructuring and may only be returned to performing status after considering the borrower's sustained repayment performance for a reasonable period, generally six months. Nonperforming TDRs, excluding those modified loans in the PCI loan portfolio, are included in Table 38.

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Table 38
Nonperforming Consumer Loans and Foreclosed Properties Activity (1)
(Dollars in millions)
Nonperforming loans, January 1
Additions to nonperforming loans:
New nonperforming loans
Implementation of regulatory interagency guidance (2)
Reductions to nonperforming loans:
Paydowns and payoffs
Returns to performing status (3)
Charge-offs
Transfers to foreclosed properties (4)
Total net additions (reductions) to nonperforming loans
Total nonperforming loans, March 31 (5)
Foreclosed properties, January $1{ }^{(6)}$
Additions to foreclosed properties:
New foreclosed properties ${ }^{(4)}$
Reductions to foreclosed properties:
Sales
Write-downs
Total net reductions to foreclosed properties
Total foreclosed properties, March 31
Nonperforming consumer loans and foreclosed properties, March 31
Nonperforming consumer loans as a percentage of outstanding consumer loans (7)
Nonperforming consumer loans and foreclosed properties as a percentage of outstanding consumer loans and foreclosed properties (7)

Three Months Ended March 31
20132012
\$19,431 \$18,768

2,661 3,308
n/a $\quad 1,853$
(680 ) (1,153 )
(943 ) (913)
$(1,072) \quad(1,737)$
(115 ) (402 )
(149) 956

19,282 19,724
$650 \quad 1,991$
$208 \quad 547$

| $(218$ | $)$ | $(649$ | $)$ |
| :--- | :--- | :--- | :--- |
| $(20$ | $)$ | $(84$ | $)$ |
| $(30$ | $)$ | $(186$ | $)$ |
| 620 |  | 1,805 |  |
| $\$ 19,902$ |  | $\$ 21,529$ |  |
| 3.54 | $\%$ | 3.36 | $\%$ |
| 3.65 |  | 3.65 |  |

Balances do not include nonperforming LHFS of $\$ 672$ million and $\$ 645$ million and nonaccruing TDRs removed
(1) from the PCI loan portfolio prior to January 1, 2010 of $\$ 512$ million and $\$ 459$ million at March 31, 2013 and 2012 as well as loans accruing past due 90 days or more as presented in Table 24 and Note 5 - Outstanding Loans and Leases to the Consolidated Financial Statements.
As a result of regulatory interagency guidance issued during 2012, we reclassified $\$ 1.9$ billion of performing home
(2) equity loans (of which $\$ 1.6$ billion were current) to nonperforming. For additional information on regulatory interagency guidance, see Consumer Portfolio Credit Risk Management on page 80 of the MD\&A of the Corporation's 2012 Annual Report on Form 10-K.
Consumer loans may be returned to performing status when all principal and interest is current and full repayment
(3) of the remaining contractual principal and interest is expected, or when the loan otherwise becomes well-secured and is in the process of collection.
New foreclosed properties represents transfers of nonperforming loans to foreclosed properties net of charge-offs
(4) taken during the first 90 days after transfer of a loan to foreclosed properties. New foreclosed properties also includes properties obtained upon foreclosure of delinquent PCI loans, properties repurchased due to representations and warranties exposure and properties acquired with newly consolidated subsidiaries.
(5) At March 31, 2013, 49 percent of nonperforming loans were 180 days or more past due and were written down through charge-offs to 62 percent of their unpaid principal balance.
(6) Foreclosed property balances do not include loans that are insured by the FHA and have entered foreclosure of $\$ 2.3$ billion and $\$ 1.1$ billion at March 31, 2013 and 2012.
(7) Outstanding consumer loans exclude loans accounted for under the fair value option.
$\mathrm{n} / \mathrm{a}=$ not applicable

Our policy is to record any losses in the value of foreclosed properties as a reduction in the allowance for loan and lease losses during the first 90 days after transfer of a loan to foreclosed properties. Thereafter, further losses in value are recorded in noninterest expense. New foreclosed properties included in Table 38 are net of $\$ 41$ million and $\$ 141$ million of charge-offs for the three months ended March 31, 2013 and 2012, recorded during the first 90 days after transfer.

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In accordance with regulatory guidance, we classify consumer real estate loans that have been discharged in Chapter 7 bankruptcy and not reaffirmed by the borrower as TDRs, irrespective of payment history or delinquency status, even if the repayment terms for the loan have not been otherwise modified. We continue to have a lien on the underlying collateral. At March 31, 2013, $\$ 4.1$ billion of loans discharged in Chapter 7 bankruptcy with no change in repayment terms at the time of discharge were included in TDRs, of which $\$ 2.0$ billion were classified as nonperforming and $\$ 2.1$ billion were loans fully-insured by the FHA. Of the $\$ 4.1$ billion of TDRs, approximately six percent, 38 percent and 56 percent were discharged in Chapter 7 bankruptcy during the three months ended March 31, 2013, for the year ended December 31, 2012 and in years prior to 2012, respectively. In addition, at March 31, 2013, of the $\$ 2.0$ billion of nonperforming loans discharged in Chapter 7 bankruptcy, $\$ 961$ million were current on their contractual payments while $\$ 917$ million were 90 days or more past due. Of the contractually current nonperforming loans, more than 70 percent were discharged in Chapter 7 bankruptcy more than 12 months ago, and nearly 45 percent were discharged 24 months or more ago. As subsequent cash payments are received, the interest component of the payments is generally recorded as interest income on a cash basis and the principal component is recorded as a reduction in the carrying value of the loan. For more information on the impacts to consumer home loans TDRs, see Note 5 - Outstanding Loans and Leases to the Consolidated Financial Statements.

In accordance with bank regulatory interagency guidance, we classify junior-lien home equity loans as nonperforming when the first-lien loan becomes 90 days past due even if the junior-lien loan is performing. At March 31, 2012 and December 31, 2012, $\$ 1.4$ billion and $\$ 1.5$ billion of such loans were included in nonperforming loans.

Table 39 presents TDRs for the home loans portfolio. Performing TDR balances are excluded from nonperforming loans in Table 38.

Table 39
Home Loans Troubled Debt Restructurings
March 31, 2013
December 31, 2012

| (Dollars in millions) | Total | Nonperforming Performing |  | Total | Nonperforming Performing |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Residential mortgage ${ }^{(1,2)}$ | $\$ 31,462$ | $\$ 9,595$ | $\$ 21,867$ | $\$ 28,125$ | $\$ 9,040$ | $\$ 19,085$ |
| Home equity ${ }^{(3)}$ | 2,119 | 1,259 | 860 | 2,125 | 1,242 | 883 |
| Total home loans troubled debt | $\$ 33,581$ | $\$ 10,854$ | $\$ 22,727$ | $\$ 30,250$ | $\$ 10,282$ | $\$ 19,968$ |
| restructurings |  |  |  |  |  |  |

Residential mortgage TDRs deemed collateral dependent totaled $\$ 9.7$ billion and $\$ 9.4$ billion, and included $\$ 6.9$
${ }^{(1)}$ billion and $\$ 6.4$ billion of loans classified as nonperforming and $\$ 2.8$ billion and $\$ 3.0$ billion of loans classified as performing at March 31, 2013 and December 31, 2012.
(2)

Residential mortgage performing TDRs included $\$ 14.6$ billion and $\$ 11.9$ billion of loans that were fully-insured at March 31, 2013 and December 31, 2012.
Home equity TDRs deemed collateral dependent totaled $\$ 1.4$ billion and included $\$ 1.0$ billion of loans classified as
${ }^{(3)}$ nonperforming at both period ends, and $\$ 330$ million and $\$ 348$ million of loans classified as performing at March 31, 2013 and December 31, 2012.

We work with customers that are experiencing financial difficulty by modifying credit card and other consumer loans, while complying with Federal Financial Institutions Examination Council guidelines. Credit card and other consumer loan modifications generally involve a reduction in the consumer's interest rate on the account and placing the customer on a fixed payment plan not exceeding 60 months, all of which are considered TDRs (the renegotiated TDR portfolio). In addition, non-U.S. credit card modifications may involve reducing the interest rate on the account without placing the customer on a fixed payment plan, and are also considered TDRs (also a part of the renegotiated TDR portfolio). We make modifications primarily through internal renegotiation programs utilizing direct customer contact, but may also utilize external renegotiation programs. The renegotiated TDR portfolio is generally excluded from Table 38 as substantially all of the loans remain on accrual status until either charged off or paid in full. At

March 31, 2013 and December 31, 2012, our renegotiated TDR portfolio was $\$ 3.3$ billion and $\$ 3.9$ billion, of which $\$ 2.6$ billion and $\$ 3.1$ billion were current or less than 30 days past due under the modified terms. The decline in the renegotiated TDR portfolio was primarily driven by paydowns and charge-offs as well as lower program enrollments. For more information on the renegotiated TDR portfolio, see Note 5 - Outstanding Loans and Leases to the Consolidated Financial Statements.

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## Commercial Portfolio Credit Risk Management

Commercial credit risk is evaluated and managed with the goal that concentrations of credit exposure do not result in undesirable levels of risk. We review, measure and manage concentrations of credit exposure by industry, product, geography, customer relationship and loan size. We also review, measure and manage commercial real estate loans by geographic location and property type. In addition, within our international portfolio, we evaluate exposures by region and by country. Tables $44,49,56$ and 57 summarize our concentrations. We also utilize syndications of exposure to third parties, loan sales, hedging and other risk mitigation techniques to manage the size and risk profile of the commercial credit portfolio.

For information on our accounting policies regarding delinquencies, nonperforming status and net charge-offs for the commercial portfolio, see Note 1 - Summary of Significant Accounting Principles to the Consolidated Financial Statements of the Corporation's 2012 Annual Report on Form 10-K.

## Commercial Credit Portfolio

Table 40 presents our commercial loans and leases, and related credit quality information at March 31, 2013 and December 31, 2012.

Table 40
Commercial Loans and Leases

| (Dollars in millions) | Outstandings |  | Nonperforming |  | Accruing Past Due 90 Days or More |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | March 31 | December 31 | March 31 | December 31 | March 31 | December 31 |
|  | 2013 | 2012 | 2013 | 2012 | 2013 | 2012 |
| U.S. commercial | \$201,360 | \$ 197,126 | \$1,354 | \$ 1,484 | \$23 | \$ 65 |
| Commercial real estate ${ }^{(1)}$ | 39,060 | 38,637 | 1,139 | 1,513 | 11 | 29 |
| Commercial lease financing | 23,467 | 23,843 | 19 | 44 | 10 | 15 |
| Non-U.S. commercial | 82,460 | 74,184 | 112 | 68 | - | - |
|  | 346,347 | 333,790 | 2,624 | 3,109 | 44 | 109 |
| U.S. small business commercial (2) | 12,402 | 12,593 | 110 | 115 | 116 | 120 |
| Commercial loans excluding loans accounted for under the fair value option | 358,749 | 346,383 | 2,734 | 3,224 | 160 | 229 |
| Loans accounted for under the fair value option ${ }^{(3)}$ | 7,779 | 7,997 | 11 | 11 | - | - |
| Total commercial loans and leases | \$366,528 | \$ 354,380 | \$2,745 | \$ 3,235 | \$160 | \$ 229 |

(1) Includes U.S. commercial real estate loans of $\$ 37.6$ billion and $\$ 37.2$ billion and non-U.S. commercial real estate loans of $\$ 1.4$ billion and $\$ 1.5$ billion at March 31, 2013 and December 31, 2012.
${ }^{(2)}$ Includes card-related products.
Commercial loans accounted for under the fair value option include U.S. commercial loans of $\$ 2.1$ billion and $\$ 2.3$
(3) billion at March 31, 2013 and December 31, 2012, and non-U.S. commercial loans of $\$ 5.7$ billion at both periods.

See Note 17 - Fair Value Option to the Consolidated Financial Statements for additional information on the fair value option.

Outstanding commercial loans and leases increased $\$ 12.1$ billion during the three months ended March 31, 2013 primarily in the non-U.S. commercial and U.S. commercial product types. During the three months ended March 31, 2013, credit quality in the commercial loan portfolio continued to show improvement. Reservable criticized balances and nonperforming loans, leases and foreclosed property balances declined during the three months ended March 31,

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2013, with the declines primarily in the commercial real estate portfolio. Commercial real estate continued to show improvement in both the residential and non-residential portfolios. Most other credit indicators across the remaining commercial portfolios also improved. The allowance for loan and lease losses was relatively unchanged compared to December 31, 2012 as continued improvement in credit quality was offset by loan growth across the core commercial portfolio (total commercial products excluding U.S. small business). For more information, see Allowance for Credit Losses on page 108.

Nonperforming commercial loans and leases as a percentage of outstanding commercial loans and leases improved during the three months ended March 31, 2013 to 0.75 percent from 0.91 percent ( 0.76 percent and 0.93 percent excluding loans accounted for under the fair value option) at December 31, 2012. Accruing commercial loans and leases past due 90 days or more as a percentage of outstanding commercial loans and leases was 0.04 percent and 0.06 percent at March 31, 2013 and December 31, 2012.

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Table 41 presents net charge-offs and related ratios for our commercial loans and leases for the three months ended March 31, 2013 and 2012. Improving portfolio trends drove lower charge-offs across the portfolio.

Table 41
Commercial Net Charge-offs and Related Ratios
(Dollars in millions)
U.S. commercial

Commercial real estate
Commercial lease financing
Non-U.S. commercial
U.S. small business commercial

Total commercial

| Three Months Ended March 31 |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Net Charge-offs |  | Net Charge-off Ratios (1) |  |  |
| 2013 | 2012 | 2013 |  | 2012 |
| \$45 | \$66 | 0.09 | \% | 0.15 |
| 93 | 132 | 0.96 |  | 1.36 |
| (10 | ) $(9$ | ) $(0.18$ | ) | (0.16 |
| (15 | ) (5 | ) (0.08 | ) | (0.04 |
| 113 | 184 | 0.14 |  | 0.25 |
| 102 | 185 | 3.33 |  | 5.63 |
| \$215 | \$369 | 0.25 |  | 0.48 |

(1) Net charge-off ratios are calculated as annualized net charge-offs divided by average outstanding loans and leases excluding loans accounted for under the fair value option.

Table 42 presents commercial credit exposure by type for utilized, unfunded and total binding committed credit exposure. Commercial utilized credit exposure includes standby letters of credit (SBLCs) and financial guarantees, bankers' acceptances and commercial letters of credit for which we are legally bound to advance funds under prescribed conditions, during a specified period. Although funds have not yet been advanced, these exposure types are considered utilized for credit risk management purposes. Total commercial committed credit exposure increased $\$ 5.0$ billion during the three months ended March 31, 2013 primarily driven by increases in loans, partially offset by decreases in LHFS, SBLCs and financial guarantees, and derivative assets.

Total commercial utilized credit exposure increased $\$ 8.6$ billion during the three months ended March 31, 2013 primarily driven by increases in loans partially offset by small decreases in nearly all other categories. The utilization rate for loans and leases, SBLCs and financial guarantees, commercial letters of credit and bankers' acceptances was 59 percent and 58 percent at March 31, 2013 and December 31, 2012.

Table 42
Commercial Credit Exposure by Type

| (Dollars in millions) | Commercial Utilized ${ }^{(1)}$ |  | Commercial Unfunded ${ }^{(2,}$ 3) |  | Total Commercial Committed |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | March 31 | December 31 | March 31 | December 31 | March 31 | December 31 |
|  | 2013 | 2012 | 2013 | 2012 | 2013 | 2012 |
| Loans and leases | \$366,528 | \$ 354,380 | \$281,857 | \$ 281,915 | \$648,385 | \$ 636,295 |
| Derivative assets (4) | 52,247 | 53,497 | - | - | 52,247 | 53,497 |
| Standby letters of credit and financia guarantees | 39,839 | 41,036 | 1,539 | 2,119 | 41,378 | 43,155 |
| Debt securities and other investments | 9,720 | 10,937 | 7,456 | 6,914 | 17,176 | 17,851 |
| Loans held-for-sale | 8,389 | 7,928 | 209 | 3,763 | 8,598 | 11,691 |
| Commercial letters of credit | 2,097 | 2,065 | 611 | 564 | 2,708 | 2,629 |
| Bankers' acceptances | 315 | 185 | 2 | 3 | 317 | 188 |
| Foreclosed properties and other ${ }^{(5)}$ | 1,146 | 1,699 | - | - | 1,146 | 1,699 |
| Total | \$480,281 | \$ 471,727 | \$291,674 | \$ 295,278 | \$771,955 | \$ 767,005 |

Total commercial utilized exposure at March 31, 2013 and December 31, 2012 includes loans outstanding of $\$ 7.8$ billion and $\$ 8.0$ billion and commercial letters of credit with a notional value of $\$ 567$ million and $\$ 672$ million accounted for under the fair value option.
(2) Total commercial unfunded exposure at March 31, 2013 and December 31, 2012 includes loan commitments with a notional value of $\$ 15.1$ billion and $\$ 17.6$ billion accounted for under the fair value option.
${ }^{(3)}$ Excludes unused business card lines which are not legally binding.
Derivative assets are carried at fair value, reflect the effects of legally enforceable master netting agreements and
(4) have been reduced by cash collateral of $\$ 57.7$ billion and $\$ 58.1$ billion at March 31, 2013 and December 31, $\$ 18.7$ billion which consists primarily of other marketable securities.
(5) Includes $\$ 813$ million and $\$ 1.3$ billion of monoline exposure at March 31, 2013 and December 31, 2012, as discussed in Commercial Portfolio Credit Risk Management - Monoline Exposure on page 100.

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Table 43 presents commercial utilized reservable criticized exposure by product type. Criticized exposure corresponds to the Special Mention, Substandard and Doubtful asset categories as defined by regulatory authorities. Total commercial utilized reservable criticized exposure decreased $\$ 930$ million, or six percent, during the three months ended March 31, 2013 primarily in commercial real estate and non-U.S. commercial product types driven largely by continued paydowns, upgrades, charge-offs and sales outpacing downgrades. At March 31, 2013, approximately 84 percent of commercial utilized reservable criticized exposure was secured compared to 82 percent at December 31, 2012.

Table 43
Commercial Utilized Reservable Criticized Exposure
(Dollars in millions)
U.S. commercial

Commercial real estate
Commercial lease financing
Non-U.S. commercial
U.S. small business commercial

March 31, 2013
Amount
(1)
\$8,680
$3,048 \quad 7.37$
$957 \quad 4.08$
$1,417 \quad 1.60$
14,102 3.63
$904 \quad 7.28$

December 31, 2012
Amount
Percent ${ }^{(2)}$
(1)
\% \$8,631 $3.72 \quad \%$
3,782 9.24
$969 \quad 4.06$
1,614 2.02
14,996
3.98


[^0]:    (1) Includes margin receivables which are classified in customer and other receivables on the Consolidated Balance Sheet.

