BANK OF AMERICA CORP /DE/
Form 10-Q
November 02, 2012

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 September 30, 2012
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).
Yes ü 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 October 31, 2012, there were 10,778,078, 165 shares of Bank of America Corporation Common Stock outstanding.
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September 30, 2012
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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 expressi future or conditional verbs such as "will," "may," "might," "should," "would" and "could." The forward-looking statements m 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: the achievement of cost savings in certain noninterest expense categories as the Corporation continues to streamline workflows, simplify processes and align expenses with its overall strategic plan and operating principles; with regard to Phase 1 of Project New BAC, the Corporation expects to realize more than $\$ 1$ billion of cost savings in 2012 and $\$ 5$ billion of annualized cost savings by the fourth quarter of 2013 with the full impact realized in 2014; the Corporation expects that Phase 2 of Project New BAC will result in an additional $\$ 3$ billion of annualized cost savings by mid-2015; that during the fourth quarter of 2012 and the second quarter of 2013 the Corporation will redeem $\$ 5.1$ billion liquidation amount of trust preferred securities issued by various unconsolidated trusts, that redemption of these trust preferred securities will result in a pre-tax charge of approximately $\$ 100$ million in the fourth quarter of 2012, and pre-tax net interest income savings of approximately $\$ 50$ million for the fourth quarter of 2012 and approximately $\$ 300$ million for 2013; that the Corporation may conduct additional redemptions, tender offers, exercises and other transactions in the future depending on prevailing market conditions, liquidity, regulatory and other factors; the expectation that the Corporation would record a charge to income tax expense of approximately $\$ 400$ million if the income tax rate were reduced to 22 percent by 2014 as suggested in U.K. Treasury announcements and assuming no change in the deferred tax asset balance; the resolution of representations and warranties repurchase and other claims; that there will likely be additional requests for loan files in the future leading to repurchase claims; the final resolution of the BNY Mellon Settlement, including that ongoing costs incurred in connection with the BNY Mellon Settlement will be in line with current expectations; the final resolution of the Merrill Lynch Class Action Settlement; the estimates of liability and range of possible loss for various representations and warranties claims; the possibility that future representations and warranties losses may occur in excess of the amounts recorded for those exposures; the expectation that unresolved repurchase claims will continue to increase, including those from Fannie Mae and private-label securitization trustees and sponsors; the Corporation's expected response to repurchase requests for which it concludes that a valid basis for repurchase does not exist and the possibility of future settlement actions; that the expiration and mutual non-renewal of certain contractual delivery commitments and variances with Fannie Mae will not have a material impact on our CRES business, as the Corporation expects to rely on other sources of liquidity to actively extend mortgage credit to customers including continuing to deliver such products into Freddie Mac mortgage-backed securities pools; that there continues to be a backlog of foreclosure inventory in judicial states; the ability to resolve mortgage insurance rescission notices with the mortgage insurance companies before the expiration of the appeal period prescribed by the Fannie Mae announcement; the disposition and resolution of servicing matters; beliefs and expectations concerning the servicing National Mortgage Settlement, including expectations about the amounts of credits to be generated by various programs, the effects on annual interest income and the fair value of loans in the programs and whether loans modified under programs will be accounted for as troubled debt restructurings, and the likelihood that the Corporation will fail to meet commitments and be required to make additional cash payments, whether material or not; the impacts of foreclosure delays; that implementation of uniform servicing standards will incrementally increase costs associated with the servicing process, but it will not result in material delays or dislocation in the performance of mortgage servicing obligations, including the completion of foreclosures; the Corporation's belief that default-related servicing costs peaked during the third quarter of 2012 and the expectation that they will decline in the fourth quarter of 2012, with the decline accelerating in 2013; the
expectation that the Corporation will comply with the final Basel 3 rules when issued and effective; 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 Market Risk Amendment and the Basel 3 Advanced Approach, if adopted as proposed, are expected to substantially increase the Corporation's capital requirements; the intention to build capital through retaining earnings, actively managing the Corporation's portfolios and implementing other capital-related initiatives, including focusing on reducing both higher risk-weighted assets and assets proposed to be deducted from capital under Basel 3; the expectations that the Corporation will be required to submit its 2013 capital plan in early January 2013, that it will be required to use stress scenario assumptions provided by the Federal Reserve in the fourth quarter, and that results will be received from the Federal Reserve in the first half of 2013; 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 liquidity risk management strategies; that funding trading activities in broker/dealer subsidiaries is more cost efficient and less sensitive to changes in credit ratings than unsecured financing; that VaR model results will be supplemented if risks associated with positions that are illiquid and/or unobservable are material; the cost and availability of unsecured funding; 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 continue to decline, both from maturities and liability management, through 2013; that, of the loans in the pay option portfolio at September 30, 2012 that have not already experienced a payment reset, one percent are expected to reset during the remainder of 2012 and 22 percent thereafter, and that eight percent are expected to prepay and 69 percent are expected to default prior to being reset, most of which were severely delinquent as of September 30, 2012; that the

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sale of the GWIM international wealth management business is not expected to have a significant impact on the Corporation's balance sheet, results of operations or capital ratios, and the expected timing of the closings of the transaction; effects of the ongoing debt crisis in Europe, including the expectation of continued volatility as long as challenges remain, 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; that, absent unexpected deterioration in the economy, the Corporation expects that reductions in the allowance for loan and lease losses, excluding the valuation allowance for PCI loans, will continue in the near term, though at a slower pace than in 2011; and other matters relating to the Corporation and the securities that it may offer from time to time. The foregoing is not an exclusive list of all forward-looking 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 2011 Annual Report on Form 10-K, and in any of the Corporation's subsequent Securities and Exchange Commission filings: the Corporation's resolution of differences with Fannie Mae regarding representations and warranties repurchase claims, including with respect to mortgage insurance rescissions, and foreclosure delays; the Corporation's ability to resolve representations and warranties 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 monolines or private-label and other investors; if future representations and warranties losses occur in excess of the Corporation's recorded liability and estimated range of possible loss for its representations and warranties exposures; 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 uncertainty regarding the timing and final substance of any capital or liquidity standards, including the final Basel 3 requirements and their 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 Dodd-Frank Wall Street Reform and Consumer Protection 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; the Corporation's satisfaction of its borrower assistance programs under the National Mortgage Settlement with federal agencies and state Attorneys General; 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.

The Corporation's Annual Report on Form 10-K for the year ended December 31, 2011 as supplemented by a Current Report on Form 8-K filed on May 4, 2012 to reflect reclassified business segment information is referred to herein as the 2011 Annual Report on Form 10-K.

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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 the Corporation individually, the Corporation and its subsidiaries, or certain of the 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. Effective January 1, 2012, the Corporation changed its basis of presentation from six to the above five segments. For more information on this realignment, see Business Segment Operations on page 32. At September 30, 2012, the Corporation had approximately $\$ 2.2$ trillion in assets and approximately 272,600 full-time equivalent employees.

As of September 30, 2012, 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 more than 55 million consumer and small business relationships with approximately 5,500 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 and nine months ended September 30, 2012 and 2011, and at September 30, 2012 and December 31, 2011.

Table 1
Selected Financial Data
(Dollars in millions, except per share information)
Income statement
Revenue, net of interest expense (FTE basis) ${ }^{(1)}$
Net income (loss)
Net income, excluding goodwill impairment charge (2)
Diluted earnings (loss) per common share ${ }^{(3)}$
Three Months Ended
September 30

Diluted earnings (loss) per common share, excluding goodwill 0.00
impairment charge ${ }^{(2)}$
Dividends paid per common share
0.01

Performance ratios
Return on average assets 0.06
Return on average assets, excluding goodwill impairment charge ${ }^{\text {(2) }}$
Return on average tangible shareholders' equity(1) 0.84
Return on average tangible shareholders' equity, excluding
goodwill impairment charge ${ }^{(1,2)}$
Efficiency ratio (FTE basis) ${ }^{(1)} 84.93$
Efficiency ratio (FTE basis), excluding goodwill impairment charge ${ }^{(1,2)}$
Asset quality
Allowance for loan and lease losses at period end
Allowance for loan and lease losses as a percentage of total
loans and leases outstanding at period end ${ }^{(4)}$
Nonperforming loans, leases and foreclosed properties at period end ${ }^{(4)}$
Net charge-offs ${ }^{(5)}$
Annualized net charge-offs as a percentage of average loans and leases outstanding $(4,5)$
Annualized net charge-offs as a percentage of average loans and leases outstanding excluding purchased credit-impaired loans ${ }^{(4)}$
Ratio of the allowance for loan and lease losses at period end to annualized
1.60
1.74
1.66
1.56
net charge-offs (5)
Ratio of the allowance for loan and lease losses at period end to annualized net charge-offs excluding purchased
1.17
1.33
1.21
1.20
credit-impaired loans

Balance sheet
Total loans and leases
\$893,035
\$926,200

| Total assets | $2,166,162$ | $2,129,046$ |  |
| :--- | :--- | :--- | :--- |
| Total deposits | $1,063,307$ | $1,033,041$ |  |
| Total common shareholders' equity | 219,838 | 211,704 |  |
| Total shareholders' equity | 238,606 | 230,101 |  |
| Capital ratios |  |  |  |
| Tier 1 common capital | 11.41 | $\%$ | 9.86 |
| Tier 1 capital | 13.64 | 12.40 |  |
| Total capital | 17.16 | 16.75 |  |
| Tier 1 leverage | 7.84 | 7.53 |  |

Fully taxable-equivalent (FTE) basis, return on average tangible shareholders' equity and the efficiency ratio are
${ }_{(1)}$ 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 19.
Net income, diluted earnings per common share, return on average assets, return on average tangible shareholders' equity and the efficiency ratio have been calculated excluding the impact of the goodwill impairment charge of
(2) $\$ 2.6$ billion in the second quarter of 2011, and accordingly, these are non-GAAP measures. For additional information on these measures and for a corresponding reconciliation to GAAP financial measures, see Supplemental Financial Data on page 19.
Due to a net loss applicable to common shareholders for the three months ended September 30, 2012 and the nine
${ }^{(3)}$ months ended September 30, 2011, the impact of antidilutive equity instruments was excluded from diluted earnings (loss) per share and average diluted common shares.
Balances and ratios do not include loans accounted for under the fair value option. For additional exclusions from
(4) nonperforming loans, leases and foreclosed properties, see Nonperforming Consumer Loans and Foreclosed Properties Activity on page 106 and corresponding Table 45, and Nonperforming Commercial Loans, Leases and Foreclosed Properties Activity on page 118 and corresponding Table 54.
Net charge-offs exclude $\$ 1.7$ billion of write-offs in the Countrywide home equity purchased credit-impaired
${ }^{(5)}$ portfolio for the three and nine months ended September 30, 2012. These write-offs decreased the purchased credit-impaired valuation allowance included as part of the allowance for loan and lease losses.
$\mathrm{n} / \mathrm{m}=$ not meaningful
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Third Quarter 2012 Economic and Business Environment
In the U.S., the slow pace of economic growth experienced in Spring 2012 continued through the third quarter. Consumer spending grew slowly, as household deleveraging continued, vehicle sales remained firm and store sales rebounded. Employment rose moderately despite considerable domestic and foreign uncertainty and the unemployment rate ended the quarter at 7.8 percent. Business spending on equipment and software, as well as structures, sustained further weakening. The housing market continued its recent improvement with a sixth consecutive quarterly rise in residential building activity and a rise in home prices. Equity markets partially reversed losses from the previous quarter and ended the third quarter just below their high for the year. Stock prices benefited from an easing in the Eurozone crisis, with the European Central Bank announcing its willingness to intervene in sovereign debt markets under specified conditions, and the announcement in mid-September of further monetary easing by the Board of Governors of the Federal Reserve System (Federal Reserve). Nevertheless, financial market uncertainty was elevated by recession and political anxieties in Europe, and the scheduled year-end expiration of income tax cuts, extended unemployment insurance, the temporary payroll tax cut and the steadily approaching deadline for automatic federal spending reductions agreed to in last year's debt ceiling bill (referred to as the "fiscal cliff") in the U.S. Consumer confidence ended the quarter slightly higher than a year earlier and business confidence reversed its early-year gains.

The Federal Reserve announced at its mid-September meeting that, while continuing its program of extending the average maturity of its portfolio by buying longer term U.S. Treasury securities and selling short-term holdings, it would commence a new program in which it would purchase $\$ 40$ billion per month in agency mortgage-backed securities until substantial labor market improvement was achieved subject to maintaining the Federal Reserve's price stability objective. In addition, the Federal Reserve modified its forward guidance on interest rates, anticipating that exceptionally low levels for the federal funds rate would likely be warranted at least through mid-2015. This monetary easing helped push down longer term U.S. Treasury and secondary market mortgage yields. Concerns regarding federal tax and spending policies also continued ahead of the anticipated fiscal cliff.

## Recent Events

## Merrill Lynch Class Action Settlement

On September 28, 2012, the Corporation announced an agreement, subject to the execution of a written settlement agreement and court approval, to settle a class action lawsuit brought in 2009 on behalf of investors who purchased or held Bank of America securities at the time we announced plans to acquire Merrill Lynch (the Merrill Lynch Class Action Settlement).

Under the terms of the proposed Merrill Lynch Class Action Settlement, we will pay a total of $\$ 2.4$ billion and institute and/or continue certain corporate governance policies until January 1, 2015. The amount to be paid under the proposed Merrill Lynch Class Action Settlement will be covered by litigation reserves at September 30, 2012. For additional information, see Note 10 - Commitments and Contingencies to the Consolidated Financial Statements.

## Capital and Liquidity Related Matters

During the three months ended September 30, 2012, we repurchased certain of our debt and trust preferred securities with an aggregate carrying value of $\$ 6.0$ billion resulting in a pre-tax charge of $\$ 25$ million.

On October 4, 2012, we announced that during the fourth quarter of 2012 and the second quarter of 2013, we will redeem $\$ 5.1$ billion liquidation amount of trust preferred securities issued by various unconsolidated trusts. We expect that redemption of these trust preferred securities will result in a pre-tax charge of approximately $\$ 100$ million in the
fourth quarter of 2012, and pre-tax net interest income savings of approximately $\$ 50$ million for the fourth quarter of 2012 and approximately $\$ 300$ million for 2013.

We may conduct additional redemptions, tender offers, exercises and other transactions in the future depending on prevailing market conditions, liquidity, regulatory and other factors.

## Weather Events

In the last few days in October, the mid-Atlantic and northeast regions of the U.S. experienced a major storm resulting in wide-spread flooding, power outages, transportation and telecommunication service interruptions and other impacts including but not limited to closures of the New York City based securities exchanges. Certain services have been restored and others will require longer periods of recovery time. Our operations in the affected areas have been impacted, including certain branch closures. We are continuing to support the needs of our clients and customers during this difficult time.

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## Performance Overview

Summary results for the three and nine months ended September 30, 2012 and 2011 are presented in Table 2. Certain selected items that affected pre-tax income for the three and nine months ended September 30, 2012 were the following: provision for credit losses of $\$ 1.8$ billion and $\$ 6.0$ billion which included reserve reductions of $\$ 2.3$ billion and $\$ 5.8$ billion, net gains of $\$ 1.7$ billion on repurchases of debt and trust preferred securities for the nine-month period, and $\$ 339$ million and $\$ 1.5$ billion of gains on sales of debt securities. These items were offset by negative fair value adjustments of $\$ 1.3$ billion and $\$ 4.7$ billion on structured liabilities related to improvement in our own credit spreads, debit valuation adjustment (DVA) losses on derivatives of $\$ 583$ million and $\$ 2.2$ billion, net of hedges, litigation expense of $\$ 1.6$ billion and $\$ 3.3$ billion, which included the incremental litigation reserves recorded during the third quarter of 2012 for the Merrill Lynch Class Action Settlement, and annual retirement-eligible incentive compensation costs of $\$ 892$ million recorded in the first quarter of 2012. In addition, the representations and warranties provision increased $\$ 29$ million to $\$ 307$ million for the three-month period and decreased $\$ 14.3$ billion to $\$ 984$ million for the nine-month period as the prior-year nine-month period included $\$ 8.6$ billion related to the agreement entered into with the Bank of New York Mellon (BNY Mellon Settlement) and $\$ 6.7$ billion related to other non-government-sponsored enterprise (GSE) exposures, and to a lesser extent, GSE exposures. For the three and nine months ended September 30, 2012, income tax expense included a $\$ 788$ million charge to remeasure certain deferred tax assets due to decreases in the U.K. corporate tax rate compared to a similar charge of $\$ 782$ million for the same periods in 2011.

Table 2
Summary Income Statement
(Dollars in millions)
Net interest income (FTE basis) ${ }^{(1)}$
Noninterest income
Total revenue, net of interest expense (FTE basis) ${ }^{(1)}$
Provision for credit losses
Goodwill impairment
All other noninterest expense
Income (loss) before income taxes
Income tax expense (benefit) (FTE basis) ${ }^{(1)}$
Net income (loss)
Preferred stock dividends
Net income (loss) applicable to common shareholders
Three Months Ended
September 30

| 2012 | 2011 | 2012 | 2011 |
| :--- | :--- | :--- | :--- |
| $\$ 10,167$ | $\$ 10,739$ | $\$ 31,002$ | $\$ 34,629$ |
| 10,490 | 17,963 | 34,342 | 34,651 |
| 20,657 | 28,702 | 65,344 | 69,280 |
| 1,774 | 3,407 | 5,965 | 10,476 |
| - | - | - | 2,603 |
| 17,544 | 17,613 | 53,733 | 58,149 |

$\left.\begin{array}{llll}1,339 & 7,682 & 5,646 & (1,948\end{array}\right)$
$999 \quad 1,450 \quad 2,190 \quad(1,403)$
$340 \quad 6,232 \quad 3,456 \quad$ (545 )
$373 \quad 343 \quad 1,063 \quad 954$
\$(33 ) \$5,889 \$2,393 \$(1,499 )

Per common share information
$\left.\begin{array}{lllll}\text { Earnings (loss) } & \$ 0.00 & \$ 0.58 & \$ 0.22 & \$(0.15 \\ \text { Diluted earnings (loss) }{ }^{(2)} & 0.00 & 0.56 & 0.22 & (0.15\end{array}\right)$
(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 19. Due to a net loss applicable to common shareholders for the three months ended September 30, 2012 and the nine
${ }^{(2)}$ months ended September 30, 2011, the impact of antidilutive equity instruments was excluded from diluted earnings (loss) per share and average diluted common shares.

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Net interest income on a fully taxable-equivalent (FTE) basis decreased $\$ 572$ million to $\$ 10.2$ billion, and $\$ 3.6$ billion to $\$ 31.0$ billion for the three and nine months ended September 30, 2012 compared to the same periods in 2011. The decreases were primarily driven by lower consumer loan balances and yields. Lower trading-related net interest income also negatively impacted the results. These were partially offset by reductions in long-term debt balances and lower rates paid on deposits. The net interest yield on a FTE basis was 2.32 percent and 2.35 percent for the three and nine months ended September 30, 2012 compared to 2.32 percent and 2.50 percent for the same periods in 2011.

Noninterest income decreased $\$ 7.5$ billion to $\$ 10.5$ billion, and $\$ 309$ million to $\$ 34.3$ billion for the three and nine months ended September 30, 2012 compared to the same periods in 2011. The most significant contributors to the decreases were negative fair value adjustments on structured liabilities for the three and nine months ended September 30, 2012 compared to positive fair value adjustments for the same periods in 2011, a decrease in equity investment income and net DVA losses. For the nine-month period, these were partially offset by a significantly lower representations and warranties provision and net gains on repurchases of certain debt and trust preferred securities in 2012. For additional information on the repurchases and exchanges, see Liquidity Risk on page 78.

The provision for credit losses decreased $\$ 1.6$ billion to $\$ 1.8$ billion, and $\$ 4.5$ billion to $\$ 6.0$ billion for the three and nine months ended September 30, 2012 compared to the same periods in 2011. The improvement was primarily in the home equity and residential mortgage loan portfolios due to improved portfolio trends and an improved home price outlook in our purchased credit-impaired (PCI) loan portfolios. The provision for credit losses was $\$ 2.3$ billion and $\$ 5.8$ billion lower than net charge-offs for the three and nine months ended September 30, 2012, resulting in a reduction in the allowance for credit losses. This compared to reductions of $\$ 1.7$ billion and $\$ 6.3$ billion in the allowance for credit losses for the three and nine months ended September 30, 2011. For more information on the provision for credit losses, see Provision for Credit Losses on page 129.

Noninterest expense was relatively unchanged for the three months ended September 30, 2012 and decreased $\$ 7.0$ billion to $\$ 53.7$ billion for the nine months ended September 30, 2012 compared to the same periods in 2011. The decline for the nine-month period was driven by a decrease in other general operating expense primarily related to lower litigation expense and mortgage-related assessments, waivers and similar costs related to foreclosure delays, and a decrease in personnel expense. The decrease in noninterest expense for the nine-month period was also the result of a $\$ 2.6$ billion non-cash, non-tax deductible goodwill impairment charge recorded during the second quarter of 2011 as well as $\$ 537$ million of merger and restructuring charges recorded during the nine-month period in 2011.

Income tax expense on a FTE basis was $\$ 999$ million on pre-tax income of $\$ 1.3$ billion, and $\$ 2.2$ billion on pre-tax income of $\$ 5.6$ billion for three and nine months ended September 30, 2012 compared to income tax expense of $\$ 1.5$ billion on a pre-tax income of $\$ 7.7$ billion and a benefit of $\$ 1.4$ billion on a pre-tax loss of $\$ 1.9$ billion for same periods in 2011. For more information, see Financial Highlights - Income Tax Expense on page 14.

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Segment Results
Table 3
Business Segment Results

| (Dollars in millions) | Three Months Ended September 30 |  |  |  | Nine Months Ended September 30 |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Total Revenue ${ }^{(1)}$ |  | Net Income (Loss) |  | Total Revenue ${ }^{(1)}$ |  | Net Income (Loss) |  |
|  | 2012 | 2011 | 2012 | 2011 | 2012 | 2011 | 2012 | 2011 |
| Consumer \& Business Banking (CBB) | \$7,070 | \$8,127 | \$1,285 | \$1,664 | \$21,819 | \$25,274 | \$3,893 | \$6,204 |
| Consumer Real Estate Services (CRES) | 3,096 | 2,822 | (877 ) | $(1,121)$ | 8,291 | (6,430 | (2,786 ) | $(18,023)$ |
| Global Banking | 4,147 | 3,951 | 1,295 | 1,206 | 12,882 | 13,311 | 4,292 | 4,709 |
| Global Markets | 3,106 | 3,294 | (359 | (553 | 10,664 | 12,980 | 900 | 1,753 |
| Global Wealth \& Investment <br> Management (GWIM) | 4,278 | 4,238 | 542 | 362 | 12,954 | 13,229 | 1,639 | 1,424 |
| All Other | (1,040 ) | 6,270 | (1,546) | 4,674 | (1,266 ) | 10,916 | $(4,482)$ | 3,388 |
| Total FTE basis | 20,657 | 28,702 | 340 | 6,232 | 65,344 | 69,280 | 3,456 | (545 |
| FTE adjustment | (229 | (249 | - | - | (670 | (714 ) | - |  |
| Total Consolidated | \$20,428 | \$28,453 | \$340 | \$6,232 | \$64,674 | \$68,566 | \$3,456 | \$(545 ) |

Total revenue is net of interest expense and is on a FTE basis which for consolidated revenue is a non-GAAP
${ }^{(1)}$ financial measure. For more information on this measure and for a corresponding reconciliation to a GAAP financial measure, see Supplemental Financial Data on page 19.

The following discussion provides an overview of the results of our business segments and All Other for the three and nine months ended September 30, 2012 compared to the same periods in 2011. For additional information on these results, see Business Segment Operations on page 32.

CBB net income decreased in the three and nine months ended September 30, 2012 compared to the same periods in 2011. Revenue decreased in both periods driven by the impact of the Durbin Amendment, lower average loan balances, the continued low rate environment and the net impact of charges related to our consumer protection products. Revenue for the nine-month period also decreased driven by the net impact of portfolio sales. The provision for credit losses decreased in the three-month period due to improvements in delinquencies and bankruptcies and increased in the nine-month period as portfolio trends began to stabilize during 2012. Noninterest expense declined due to lower Federal Deposit Insurance Corporation (FDIC) and operating expenses, partially offset by an increase in litigation expense in the nine-month period.

CRES net loss decreased in the three and nine months ended September 30, 2012 compared to the same periods in 2011 primarily driven by an increase in noninterest income and lower provision for credit losses. Noninterest income increased for the three-month period driven by improved mortgage servicing rights (MSR) results, net of hedges, and increases in production revenue. Noninterest income increased in the nine-month period primarily because the prior-year period included provisions recorded in connection with the BNY Mellon Settlement. The provision for credit losses decreased in both periods driven by improved portfolio trends in the home equity portfolio. Noninterest expense increased in the three-month period due to an increase in default-related servicing costs and litigation expense. This was partially offset by lower production expenses and a reduction in mortgage-related assessments, waivers and similar costs related to foreclosure delays. Noninterest expense decreased in the nine-month period due to the absence of a goodwill impairment charge, a decline in litigation expense and lower mortgage-related assessments, waivers and similar costs related to foreclosure delays, partially offset by higher default-related servicing costs.

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Global Banking net income increased in the three months ended and decreased for the nine months ended September 30, 2012 compared to the same periods in 2011. Revenues for the three-month period increased primarily due to gains on fair value option loans compared to the same period in 2011. Revenues for the nine-month period decreased as a result of lower investment banking fees, lower net interest income as a result of spread compression and benefits from accretion on certain acquired portfolios in the year-ago period, partially offset by the impact of higher average loan and deposit balances and gains from certain legacy portfolios. The provision for credit losses increased in both periods primarily driven by stabilization in asset quality and core commercial loan growth in the portfolio. Noninterest expense decreased in both periods primarily due to lower personnel expense and operating costs.

Global Markets net loss decreased in the three months ended September 30, 2012 compared to the same period in 2011. Excluding net DVA, net income increased primarily driven by higher sales and trading revenue, higher investment banking fees from an increase in capital markets underwriting activity and lower noninterest expense due to decreased personnel-related expenses and operational costs. Net income decreased in the nine months ended September 30, 2012. Excluding net DVA, net income increased primarily driven by higher sales and trading revenue as well as lower personnel-related expenses, brokerage, clearing and exchange fees, and operational costs.

GWIM net income increased in the three and nine months ended September 30, 2012 compared to the same periods in 2011 primarily due to lower noninterest expense driven by lower FDIC expense, lower support and personnel costs, and other expense reductions. Revenue increased in the three-month period due to higher all other income driven by market origination revenue and higher net interest income, partially offset by lower investment and brokerage services revenue. Revenue decreased in the nine-month period due to lower investment and brokerage services revenue resulting from lower transactional activity and lower net interest income. In addition, the provision for credit losses declined for the three- and nine-month periods due to lower delinquencies and improving portfolio trends within the residential mortgage portfolio.

All Other decreased to a net loss in the three and nine months ended September 30, 2012 compared to net income in the same periods in 2011 primarily due to negative fair value adjustments on structured liabilities for the three- and nine-month periods ended September 30, 2012 compared to positive fair value adjustments on structured liabilities for the same periods in 2011 and a decrease in equity investment income, partially offset by a reduction in the provision for credit losses and net gains resulting from the repurchase of certain debt and trust preferred securities in the nine-month period. In addition, for the three- and nine-month periods, the provision for credit losses decreased primarily due to continued improvement in credit quality in the residential mortgage portfolio and noninterest expense increased due to higher litigation expense related to the Merrill Lynch Class Action Settlement and other litigation.

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Financial Highlights
Net Interest Income
Net interest income on a FTE basis decreased $\$ 572$ million to $\$ 10.2$ billion, and $\$ 3.6$ billion to $\$ 31.0$ billion for the three and nine months ended September 30, 2012 compared to the same periods in 2011. The decreases were primarily driven by lower consumer loan balances and yields. Lower trading-related net interest income also negatively impacted the results. These were partially offset by ongoing reductions in long-term debt balances and lower rates paid on deposits. The net interest yield on a FTE basis was 2.32 percent for the three months ended September 30, 2012 and 2011. The net interest yield on a FTE basis decreased 15 basis points (bps) to 2.35 percent for the nine months ended September 30, 2012 compared to the same period in 2011 as the yield continued to be under pressure due to the aforementioned items and the low rate environment.

## Noninterest Income

Table 4
Noninterest Income

|  | $\begin{array}{l}\text { Three Months Ended } \\ \text { September 30 }\end{array}$ |  | $\begin{array}{l}\text { Nine Months Ended } \\ \text { September 30 }\end{array}$ |  |
| :--- | :--- | :--- | :--- | :--- |
| (Dollars in millions) | 2012 | 2011 | $\begin{array}{l}\text { Sep12 }\end{array}$ |  |
| Card income | $\$ 1,538$ | $\$ 1,911$ | $\$ 4,573$ | $\$ 5,706$ |
| Service charges | 1,934 | 2,068 | 5,780 | 6,112 |
| Investment and brokerage services | 2,781 | 3,022 | 8,504 | 9,132 |
| Investment banking income | 1,336 | 942 | 3,699 | 4,204 |
| Equity investment income | 238 | 1,446 | 1,371 | 4,133 |
| Trading account profits | 1,239 | 1,604 | 5,078 | 6,417 |
| Mortgage banking income (loss) | 2,019 | 1,617 | 5,290 | $(10,949$ |$)$

Noninterest income decreased $\$ 7.5$ billion to $\$ 10.5$ billion, and $\$ 309$ million to $\$ 34.3$ billion for the three and nine months ended September 30, 2012 compared to the same periods in 2011. The following highlights the significant changes.

Card income decreased $\$ 373$ million and $\$ 1.1$ billion for the three and nine months ended September 30, 2012 primarily driven by the implementation of interchange fee rules under the Durbin Amendment, which became effective on October 1, 2011.

Investment and brokerage services income decreased $\$ 241$ million to $\$ 2.8$ billion, and $\$ 628$ million to $\$ 8.5$ billion for the three and nine months ended September 30, 2012 primarily driven by lower transactional volumes.

Investment banking income increased $\$ 394$ million for the three months ended September 30, 2012 driven by an increase in capital markets underwriting, partially offset by lower advisory fees. Investment banking income for the nine-month period decreased $\$ 505$ million primarily driven by lower advisory and equity underwriting fees, and an overall decline in global fee pools.

Equity investment income decreased $\$ 1.2$ billion and $\$ 2.8$ billion for the three and nine months ended September 30, 2012. The three-month period a year ago included a $\$ 3.6$ billion gain from the sale of a portion of our investment in China Construction Bank Corporation (CCB), partially offset by $\$ 2.2$ billion of net losses related to equity and strategic investments other than CCB. The nine-month period in 2011 also included an $\$ 836$ million CCB dividend, $\$ 500$ million of additional impairment write-downs on our merchant services joint venture and a $\$ 377$ million gain related to the sale of an equity investment.

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Trading account profits decreased $\$ 365$ million and $\$ 1.3$ billion for the three and nine months ended September 30, 2012. Net DVA losses on derivatives were $\$ 583$ million and $\$ 2.2$ billion in the current-year periods compared to net DVA gains of $\$ 1.7$ billion and $\$ 1.5$ billion for the same periods in 2011. Excluding net DVA, trading account profits increased $\$ 1.9$ billion and $\$ 2.3$ billion for the three and nine months ended September 30, 2012 compared to the same periods in 2011 as credit markets improved and volatility declined.

Mortgage banking income increased $\$ 402$ million and $\$ 16.2$ billion for the three and nine months ended September 30, 2012. The increase for the three-month period was primarily driven by an increase in servicing income. The nine-month increase was driven by a $\$ 14.3$ billion decrease in the representations and warranties provision as the prior-year period included $\$ 15.3$ billion in provision related to the agreement to resolve nearly all legacy Countrywide Financial Corporation (Countrywide)-issued first-lien non-GSE residential mortgage-backed securities (RMBS) repurchase exposures, other non-GSE exposures, and to a lesser extent, GSE exposures.

Insurance income decreased $\$ 328$ million and $\$ 1.3$ billion for the three and nine months ended September 30, 2012. The three- month decrease was driven by provision in the current-year period related to payment protection insurance in the U.K. and the nine-month decrease was also due to the impact of the sale of Balboa Insurance Company's lender-placed insurance business (Balboa) in the second quarter of 2011.

Other income decreased $\$ 5.3$ billion and $\$ 8.1$ billion for the three and nine months ended September 30, 2012 primarily driven by negative fair value adjustments on our structured liabilities of $\$ 1.3$ billion and $\$ 4.7$ billion compared to positive fair value adjustments of $\$ 4.5$ billion and $\$ 4.1$ billion for the same periods in 2011. The nine months ended September 30, 2012 also included $\$ 1.7$ billion of gains related to debt repurchases and exchanges of trust preferred securities. The nine-month period in 2011 included a net gain of $\$ 752$ million on the sale of Balboa.

## Provision for Credit Losses

The provision for credit losses decreased $\$ 1.6$ billion to $\$ 1.8$ billion, and $\$ 4.5$ billion to $\$ 6.0$ billion for the three and nine months ended September 30, 2012 compared to the same periods in 2011. For the three and nine months ended September 30, 2012, the provision for credit losses was $\$ 2.3$ billion and $\$ 5.8$ billion lower than net charge-offs, resulting in reductions in the allowance for credit losses compared to reductions of $\$ 1.7$ billion and $\$ 6.3$ billion in the allowance for credit losses for the three and nine months ended September 30, 2011. The reduction in the allowance for the three and nine months ended September 30, 2012 included $\$ 435$ million of reserves on the loans forgiven as a part of the National Mortgage Settlement. For more information on the National Mortgage Settlement, see Consumer Portfolio Credit Risk Management on page 86. The provision for credit losses related to the PCI loan portfolios was a benefit of $\$ 166$ million and an expense of $\$ 327$ million for the three and nine months ended September 30, 2012.

The provision for credit losses related to our consumer portfolio decreased $\$ 1.9$ billion to $\$ 1.6$ billion, and $\$ 5.2$ billion to $\$ 6.0$ billion for the three and nine months ended September 30, 2012 compared to the same periods in 2011. The improvement was primarily in the home equity and residential mortgage loan portfolios due to improved portfolio trends and an improved home price outlook in our PCI portfolios. This was partially offset by the impact of new regulatory guidance regarding the treatment of loans discharged in Chapter 7 bankruptcy. The provision for credit losses related to our commercial portfolio, including the provision benefit for unfunded lending commitments, increased $\$ 256$ million to $\$ 197$ million, and $\$ 706$ million to $\$ 11$ million for the three and nine months ended September 30, 2012 compared to the same periods in 2011 due to stabilization in the credit quality of the core commercial portfolio.

Net charge-offs totaled $\$ 4.1$ billion, or 1.86 percent, and $\$ 11.8$ billion, or 1.77 percent of average loans and leases for the three and nine months ended September 30, 2012 compared to $\$ 5.1$ billion, or 2.17 percent, and $\$ 16.8$ billion, or 2.41 percent, for the same periods in 2011. Included in net charge-offs in the three and nine months ended September

30, 2012 were $\$ 478$ million of charge-offs related to the impact of new regulatory guidance regarding the treatment of loans discharged in Chapter 7 bankruptcy and $\$ 435$ million of charge-offs related to loans forgiven as a part of the National Mortgage Settlement. The decrease in net charge-offs was primarily driven by fewer delinquent loans and lower bankruptcy filings across the U.S. credit card and unsecured consumer lending portfolios, as well as lower net charge-offs in the consumer real estate and core commercial portfolios in the three and nine months ended September 30, 2012. For more information on the provision for credit losses, see Provision for Credit Losses on page 129.

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Noninterest Expense
Table 5
Noninterest Expense
(Dollars in millions)
Personnel
Occupancy
Equipment
Marketing
Professional fees
Amortization of intangibles
Data processing
Telecommunications
Other general operating
Goodwill impairment
Merger and restructuring charges
Total noninterest expense

| Three Months Ended |  | Nine Months Ended |  |
| :--- | :--- | :--- | :--- |
| September 30 | September 30 |  |  |
| 2012 | 2011 | 2012 | 2011 |
| $\$ 8,431$ | $\$ 8,865$ | $\$ 27,348$ | $\$ 28,204$ |
| 1,160 | 1,183 | 3,419 | 3,617 |
| 561 | 616 | 1,718 | 1,815 |
| 479 | 556 | 1,393 | 1,680 |
| 873 | 937 | 2,578 | 2,349 |
| 315 | 377 | 955 | 1,144 |
| 640 | 626 | 2,188 | 1,964 |
| 410 | 405 | 1,227 | 1,167 |
| 4,675 | 3,872 | 12,907 | 15,672 |
| - | - | - | 2,603 |
| - | 176 | - | 537 |
| $\$ 17,544$ | $\$ 17,613$ | $\$ 53,733$ | $\$ 60,752$ |

Noninterest expense was relatively unchanged for the three months ended September 30, 2012 as an increase in other general operating expense primarily related to costs associated with the Merrill Lynch Class Action Settlement and other litigation was offset by a decrease in personnel expense as the company continued to streamline processes and achieve cost savings. Noninterest expense decreased $\$ 7.0$ billion to $\$ 53.7$ billion for the nine months ended September 30,2012 compared to the same period in 2011 with the decrease primarily driven by a $\$ 2.8$ billion decrease in other general operating expense primarily related to lower litigation expense and mortgage-related assessments, waivers and similar costs related to foreclosure delays and an $\$ 856$ million decrease in personnel expense as we continue to streamline processes and achieve cost savings. The nine months ended September 30, 2011 also included a $\$ 2.6$ billion non-cash non-tax deductible goodwill impairment charge as well as $\$ 537$ million of merger and restructuring charges.

In connection with Project New BAC, we expect to continue to achieve cost savings in certain noninterest expense categories as we continue to further streamline workflows, simplify processes and align expenses with our overall strategic plan and operating principles. During the nine months ended September 30, 2012, we continued implementation of Phase 1 initiatives, completed Phase 2 evaluations and began implementation of certain Phase 2 initiatives. With regard to Phase 1, we expect to realize more than $\$ 1$ billion of cost savings in 2012 and $\$ 5$ billion of annualized cost savings by the fourth quarter of 2013 with the full impact realized in 2014. We expect that Phase 2 will result in an additional $\$ 3$ billion of annualized cost savings by mid-2015.

## Income Tax Expense

Income tax expense was $\$ 770$ million for the three months ended September 30, 2012 compared to $\$ 1.2$ billion for the same period in 2011 and resulted in an effective tax rate of 69.4 percent compared to 16.2 percent in the year-ago quarter. Income tax expense was $\$ 1.5$ billion for the nine months ended September 30, 2012 compared to an income tax benefit of $\$ 2.1$ billion for the same period in 2011 and resulted in an effective tax rate of 30.5 percent compared to 79.5 percent in the year-ago period.

The effective tax rate for the three months ended September 30, 2012 was primarily driven by the $\$ 788$ million impact of the U.K. corporate income tax rate reduction, as described in the next paragraph, partially offset by our recurring
tax preference items and by tax benefits related to certain non-U.S. jurisdictions, including an increase in our accumulated earnings presumed to be permanently reinvested offshore. The effective tax rate for the three months ended September 30, 2011 was driven by a $\$ 619$ million valuation allowance reduction, a $\$ 593$ million benefit for the recognition of certain deferred tax related assets and recurring tax preference items, partially offset by the $\$ 782$ million impact of the U.K. corporate income tax rate reduction that was enacted in July 2011. The effective tax rates for the nine months ended September 30, 2012 and 2011 were primarily driven by the same factors described in the three-month discussion above and, for the prior-year period, included the impact of the $\$ 2.6$ billion non-deductible goodwill impairment charge.

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On July 17, 2012, the U.K. 2012 Finance Bill was enacted, which reduced the U.K. corporate income tax rate by two percent to 23 percent. The first one percent reduction was effective on April 1, 2012 and the second reduction will be effective April 1, 2013. These reductions favorably affect income tax expense on future U.K. earnings, but also required us to remeasure our U.K. net deferred tax assets using the lower tax rates. If the corporate income tax rate is reduced to 22 percent by 2014 as suggested in U.K. Treasury announcements and assuming no change in the deferred tax asset balance, we would record a charge to income tax expense of approximately $\$ 400$ million in the period of enactment.
Balance Sheet Overview
Table 6
Selected Balance Sheet Data
(Dollars in millions)

| September 302012 | December 31 | Average Balance |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  | Three Months Ended | Nine | Ended |
|  |  | September 30 | Septe |  |
|  | 20 | 20122011 | 2012 | 2011 |

Assets
Federal funds sold and securities borrowed or purchased under agreements to resell
Trading account assets
Debt securities
Loans and leases
Allowance for loan and lease
losses
All other assets
Total assets
Liabilities
Deposits
Federal funds purchased and securities loaned or sold under agreements to repurchase Trading account liabilities Commercial paper and other short-term borrowings
Long-term debt
All other liabilities
Total liabilities
Shareholders' equity
Total liabilities and shareholders' equity

| $\$ 234,034$ | $\$ 211,183$ | $\$ 234,955$ | $\$ 256,143$ | $\$ 234,058$ | $\$ 247,635$ |
| :--- | :--- | :--- | :--- | :--- | :--- |
| 211,090 | 169,319 | 177,075 | 180,438 | 177,846 | 195,931 |
| 345,847 | 311,416 | 340,773 | 344,327 | 336,939 | 338,512 |
| 893,035 | 926,200 | 888,859 | 942,032 | 900,650 | 939,848 |
| $(26,233$ | $)$ | $(33,783$ | $)$ | $(29,478$ | $)$ |
| $56,36,429$ | $)$ | $(31,377$ | $)(38,632$ |  |  |
| 508,389 | 544,711 | 561,128 | 614,943 | 566,858 | 642,938 |
| $\$ 2,166,162$ | $\$ 2,129,046$ | $\$ 2,173,312$ | $\$ 2,301,454$ | $\$ 2,184,974$ | $\$ 2,326,232$ |
|  |  |  |  |  |  |
| $\$ 1,063,307$ | $\$ 1,033,041$ | $\$ 1,049,697$ | $\$ 1,051,320$ | $\$ 1,037,610$ | $\$ 1,036,905$ |
| 273,900 | 214,864 | 287,142 | 261,830 | 274,395 | 281,476 |
|  |  |  |  |  |  |
| 72,179 | 60,508 | 77,528 | 87,841 | 78,041 | 89,302 |
| 35,291 | 35,698 | 37,881 | 41,404 | 37,981 | 56,107 |
| 286,534 | 372,265 | 291,684 | 420,273 | 329,320 | 431,902 |
| 196,345 | 182,569 | 193,341 | 216,376 | 192,901 | 201,155 |
| $1,927,556$ | $1,898,945$ | $1,937,273$ | $2,079,044$ | $1,950,248$ | $2,096,847$ |
| 238,606 | 230,101 | 236,039 | 222,410 | 234,726 | 229,385 |
| $\$ 2,166,162$ | $\$ 2,129,046$ | $\$ 2,173,312$ | $\$ 2,301,454$ | $\$ 2,184,974$ | $\$ 2,326,232$ |

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, that 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 September 30, 2012, total assets were approximately $\$ 2.2$ trillion, an increase of $\$ 37.1$ billion, or two percent, from December 31, 2011. This increase was driven by trading account assets due to increases in U.S. Treasuries, EMEA sovereign debt and hedges in leveraged credit trading; debt securities primarily driven by net purchases of agency mortgage-backed securities (MBS); and federal funds sold and securities borrowed or purchased under agreements to resell to cover increases in client short positions, customer financing activities through the matched book and collateral requirements. These increases were partially offset by lower consumer loan balances due to continued run-off in targeted portfolios, lower card balances and asset sales, as well as lower cash and cash equivalents.

Average total assets decreased $\$ 128.1$ billion and $\$ 141.3$ billion for the three and nine months ended September 30, 2012 compared to the same periods in 2011. The decreases were driven by lower consumer loan balances as described above and the sale of strategic investments. The nine-month comparison to the same period in 2011 was also impacted by reduced trading account assets.

Liabilities and Shareholders' Equity
At September 30, 2012, total liabilities were approximately $\$ 1.9$ trillion, an increase of $\$ 28.6$ billion, or two percent, from December 31, 2011 primarily driven by an increase in securities sold under agreements to repurchase due to funding of trading inventory resulting from customer demand and funding of higher trading account assets and securities, and an increase in deposits. Partially offsetting this increase were planned reductions in long-term debt.

Average total liabilities decreased $\$ 141.8$ billion and $\$ 146.6$ billion for the three and nine months ended September 30,2012 compared to the same periods in 2011. The decreases were primarily driven by planned reductions in long-term debt, lower short-term borrowings due to the Corporation's reduced use of commercial paper and master notes, and lower trading account liabilities. The three-month comparison to the same period in 2011 was also impacted by an increase in securities sold under agreements to repurchase due to funding trading inventory resulting from customer demand and funding of trading account assets and securities, and matched book activity.

At September 30, 2012, shareholders' equity was $\$ 238.6$ billion, an increase of $\$ 8.5$ billion, or four percent, from December 31, 2011 due to earnings, an increase in unrealized gains on available-for-sale (AFS) debt securities in other comprehensive income (OCI), common stock issued under employee plans and exchanges of preferred and trust preferred securities, and a gain on curtailment of the Corporation's Qualified Pension Plans.

Average shareholders' equity increased $\$ 13.6$ billion and $\$ 5.3$ billion for the three and nine months ended September 30, 2012 compared to the same periods in 2011 driven by earnings, common stock issued under employee plans, and the sale of preferred stock and related warrants to Berkshire Hathaway, Inc. in the third quarter of 2011. The nine-month increase was also impacted by exchanges of preferred and trust preferred securities and a gain on curtailment of the Corporation's Qualified Pension Plans. These increases were partially offset by lower unrealized gains on AFS debt securities in accumulated OCI in 2012.

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Table 7
Selected Quarterly Financial Data
(In millions, except per share information)
Income statement
Net interest income
Noninterest income
Total revenue, net of interest expense
Provision for credit losses
Goodwill impairment
Merger and restructuring charges
All other noninterest expense ${ }^{(1)}$
Income before income taxes
Income tax expense
Net income
Net income (loss) applicable to common
shareholders
Average common shares issued and outstanding
Average diluted common shares issued and outstanding
Performance ratios
Return on average assets
Four quarter trailing return on average assets ${ }^{(2)}$
Return on average common shareholders' equity
Return on average tangible common shareholders' equity ${ }^{(3)}$
Return on average tangible shareholders' equity(3)
Total ending equity to total ending assets
Total average equity to total average assets
Dividend payout
Per common share data
Earnings
Diluted earnings
Dividends paid
Book value
Tangible book value ${ }^{(3)}$
Market price per share of common stock
Closing
High closing
Low closing
Market capitalization
Average balance sheet
Total loans and leases
Total assets
Total deposits
Long-term debt
Common shareholders' equity
Total shareholders' equity
Asset quality ${ }^{(4)}$

2012 Quarters

| Third | Second | First | Fourth | Third |
| :--- | :--- | :--- | :--- | :--- |
|  |  |  |  |  |
| $\$ 9,938$ | $\$ 9,548$ | $\$ 10,846$ | $\$ 10,701$ | $\$ 10,490$ |
| 10,490 | 12,420 | 11,432 | 14,187 | 17,963 |
| 20,428 | 21,968 | 22,278 | 24,888 | 28,453 |
| 1,774 | 1,773 | 2,418 | 2,934 | 3,407 |
| - | - | - | 581 | - |
| - | - | - | 101 | 176 |
| 17,544 | 17,048 | 19,141 | 18,840 | 17,437 |
| 1,110 | 3,147 | 719 | 2,432 | 7,433 |
| 770 | 684 | 66 | 441 | 1,201 |
| 340 | 2,463 | 653 | 1,991 | 6,232 |
| $(33$ | 2,098 | 328 | 1,584 | 5,889 |
| 10,776 | 10,776 | 10,651 | 10,281 | 10,116 |
| 10,776 | 11,556 | 10,762 | 11,125 | 10,464 |


| 0.06 | \% 0.45 | \% 0.12 | \% 0.36 | \% 1.07 |
| :---: | :---: | :---: | :---: | :---: |
| 0.25 | 0.51 | $\mathrm{n} / \mathrm{m}$ | 0.06 | $\mathrm{n} / \mathrm{m}$ |
| $\mathrm{n} / \mathrm{m}$ | 3.89 | 0.62 | 3.00 | 11.40 |
| $\mathrm{n} / \mathrm{m}$ | 5.95 | 0.95 | 4.72 | 18.30 |
| 0.84 | 6.16 | 1.67 | 5.20 | 17.03 |
| 11.02 | 10.92 | 10.66 | 10.81 | 10.37 |
| 10.86 | 10.73 | 10.63 | 10.34 | 9.66 |


| $\$ 0.00$ | $\$ 0.19$ | $\$ 0.03$ | $\$ 0.15$ | $\$ 0.58$ |
| :--- | :--- | :--- | :--- | :--- |
| 0.00 | 0.19 | 0.03 | 0.15 | 0.56 |
| 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| 20.40 | 20.16 | 19.83 | 20.09 | 20.80 |
| 13.48 | 13.22 | 12.87 | 12.95 | 13.22 |
|  |  |  |  |  |
| $\$ 8.83$ | $\$ 8.18$ | $\$ 9.57$ | $\$ 5.56$ | $\$ 6.12$ |
| 9.55 | 9.68 | 9.93 | 7.35 | 11.09 |
| 7.04 | 6.83 | 5.80 | 4.99 | 6.06 |
| $\$ 95,163$ | $\$ 88,155$ | $\$ 103,123$ | $\$ 58,580$ | $\$ 62,023$ |
|  |  |  |  |  |
| $\$ 888,859$ | $\$ 899,498$ | $\$ 913,722$ | $\$ 932,898$ | $\$ 942,032$ |
| $2,173,312$ | $2,194,563$ | $2,187,174$ | $2,207,567$ | $2,301,454$ |
| $1,049,697$ | $1,032,888$ | $1,030,112$ | $1,032,531$ | $1,051,320$ |
| 291,684 | 333,173 | 363,518 | 389,557 | 420,273 |
| 217,273 | 216,782 | 214,150 | 209,324 | 204,928 |
| 236,039 | 235,558 | 232,566 | 228,235 | 222,410 |


| Allowance for credit losses ${ }^{(5)}$ | $\$ 26,751$ | $\$ 30,862$ | $\$ 32,862$ | $\$ 34,497$ | $\$ 35,872$ |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Nonperforming loans, leases and foreclosed <br> properties (6) | 24,925 | 25,377 | 27,790 | 27,708 | 29,059 |  |  |
| Allowance for loan and lease losses as a percentage <br> of total loans and leases outstanding (6) | 2.96 | $\%$ | 3.43 | $\%$ | 3.61 | $\%$ | 3.68 |
| Allowance for loan and lease losses as a percentage <br> of total nonperforming loans and leases (6) | 111 | 127 | 126 | 135 | 13.81 | $\%$ |  |
| Allowance for loan and lease losses as a percentage <br> of total nonperforming loans and leases excluding the 81 | 90 | 91 | 101 | 101 |  |  |  |
| PCI loan portfolio ${ }^{(6)}$ | $\$ 13,978$ | $\$ 16,327$ | $\$ 17,006$ | $\$ 17,490$ | $\$ 18,317$ |  |  |

Allowance as a percentage of total nonperforming
loans and leases excluding the amounts included in $52 \quad \% \quad 59 \quad \% \quad 60 \quad \% \quad 65 \quad \% \quad 63 \quad \%$ the allowance that are excluded from nonperforming loans ${ }^{(7)}$
Net charge-offs ${ }^{(8)}$
Annualized net charge-offs as a percentage of average loans and leases outstanding $(6,8)$
Nonperforming loans and leases as a percentage of total loans and leases outstanding (6)
Nonperforming loans, leases and foreclosed properties as a percentage of total loans, leases and foreclosed properties ${ }^{(6)}$
Ratio of the allowance for loan and lease losses at period end to annualized net charge-offs ${ }^{(8)}$
Ratio of the allowance for loan and lease losses at
period end to annualized net charge-offs, excluding the PCI loan portfolio
Capital ratios (period end)
Risk-based capital:

| Tier 1 common | 11.41 | $\%$ | 11.24 | $\%$ | 10.78 | $\%$ | 9.86 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Tier 1 | 13.64 | 13.80 |  | 13.37 |  | 12.40 | 11.48 |
| Total | 17.16 | 17.51 |  | 17.49 |  | 16.75 | 15.86 |
| Tier 1 leverage | 7.84 | 7.84 |  | 7.79 | 7.53 | 7.11 |  |
| Tangible equity ${ }^{(3)}$ | 7.85 | 7.73 | 7.48 | 7.54 | 7.16 |  |  |
| Tangible common equity ${ }^{(3)}$ | 6.95 | 6.83 | 6.58 | 6.64 | 6.25 |  |  |

${ }^{(1)}$ Excludes merger and restructuring charges and goodwill impairment charges.
(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 19 and Table 9 on pages 20 through 21.
(4) For more information on
Management on page 86.
${ }^{(5)}$ 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
(6) nonperforming loans, leases and foreclosed properties, see Nonperforming Consumer Loans and Foreclosed Properties Activity on page 106 and corresponding Table 45, and Nonperforming Commercial Loans, Leases and Foreclosed Properties Activity on page 118 and corresponding Table 54.

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Amounts included in allowance that are excluded from nonperforming loans primarily include amounts allocated
${ }^{(7)}$ to the U.S. credit card and unsecured consumer lending portfolios in CBB, PCI loans and the non-U.S. credit card portfolio in All Other.
Net charge-offs exclude $\$ 1.7$ billion of write-offs in the Countrywide home equity PCI portfolio for the three
${ }^{(8)}$ months ended September 30, 2012. These write-offs decreased the PCI valuation allowance included as part of the allowance for loan and lease losses.
$\mathrm{n} / \mathrm{m}=$ not meaningful
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Table 8
Selected Year-to-Date Financial Data

|  | Nine Months Ended September 30 |  |
| :---: | :---: | :---: |
| (In millions, except per share information) | 2012 | 2011 |
| Income statement |  |  |
| Net interest income | \$30,332 | \$33,915 |
| Noninterest income | 34,342 | 34,651 |
| Total revenue, net of interest expense | 64,674 | 68,566 |
| Provision for credit losses | 5,965 | 10,476 |
| Goodwill impairment | - | 2,603 |
| Merger and restructuring charges | - | 537 |
| All other noninterest expense ${ }^{(1)}$ | 53,733 | 57,612 |
| Income (loss) before income taxes | 4,976 | (2,662 ) |
| Income tax expense (benefit) | 1,520 | (2,117 |
| Net income (loss) | 3,456 | (545 |
| Net income (loss) applicable to common shareholders | 2,393 | (1,499 |
| Average common shares issued and outstanding | 10,735 | 10,096 |
| Average diluted common shares issued and outstanding | 10,827 | 10,096 |
| Performance ratios |  |  |
| Return on average assets | 0.21 | \% $\mathrm{n} / \mathrm{m}$ |
| Return on average common shareholders' equity | 1.48 | $\mathrm{n} / \mathrm{m}$ |
| Return on average tangible common shareholders' equity ${ }^{(2)}$ | 2.26 | $\mathrm{n} / \mathrm{m}$ |
| Return on average tangible shareholders' equity ${ }^{(2)}$ | 2.89 | $\mathrm{n} / \mathrm{m}$ |
| Total ending equity to total ending assets | 11.02 | 10.37 \% |
| Total average equity to total average assets | 10.74 | 9.86 |
| Dividend payout | 13.79 | $\mathrm{n} / \mathrm{m}$ |
| Per common share data |  |  |
| Earnings (loss) | \$0.22 | \$(0.15 |
| Diluted earnings (loss) | 0.22 | (0.15 |
| Dividends paid | 0.03 | 0.03 |
| Book value | 20.40 | 20.80 |
| Tangible book value ${ }^{(2)}$ | 13.48 | 13.22 |
| Market price per share of common stock |  |  |
| Closing | \$8.83 | \$6.12 |
| High closing | 9.93 | 15.25 |
| Low closing | 5.80 | 6.06 |
| Market capitalization | \$95,163 | \$62,023 |
| Average balance sheet |  |  |
| Total loans and leases | \$900,650 | \$939,848 |
| Total assets | 2,184,974 | 2,326,232 |
| Total deposits | 1,037,610 | 1,036,905 |
| Long-term debt | 329,320 | 431,902 |
| Common shareholders' equity | 216,073 | 212,512 |
| Total shareholders' equity | 234,726 | 229,385 |
| Asset quality ${ }^{(3)}$ |  |  |
| Allowance for credit losses ${ }^{(4)}$ | \$26,751 | \$35,872 |
| Nonperforming loans, leases and foreclosed properties ${ }^{(5)}$ | 24,925 | 29,059 |
| Allowance for loan and lease losses as a percentage of total loans and leases outstanding (5) | 2.96 | \% 3.81 \% |

(5)
Allowance for loan and lease losses as a percentage of total nonperforming loans and leases
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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 ${ }^{(6)}$
Allowance as a percentage of total nonperforming loans and leases excluding the amounts included in the allowance that are excluded from nonperforming loans ${ }^{(6)}$
Net charge-offs ${ }^{(7)}$
Annualized net charge-offs as a percentage of average loans and leases outstanding $(5,7)$
Nonperforming loans and leases as a percentage of total loans and leases outstanding (5)
$81 \quad 101$

Nonperforming loans, leases and foreclosed properties as a percentage of total loans, leases and foreclosed properties ${ }^{(5)}$
Ratio of the allowance for loan and lease losses at period end to annualized net charge-offs (7)
\$13,978
\$18,317
$52 \quad \% 63 \quad \%$
\$11,804 \$16,779
1.77 \% 2.41 \%
$2.68 \quad 2.87$
2.81
3.15

Ratio of the allowance for loan and lease losses at period end to annualized net charge-offs, excluding the PCI loan portfolio
${ }^{(1)}$ Excludes merger and restructuring charges and goodwill impairment charges.
Tangible equity ratios and tangible book value per share of common stock are non-GAAP financial measures.
(2) 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 19 and Table 9 on pages 20 through 21.
(3) For more information on the impact of the PCI loan portfolio on asset quality, see Consumer Portfolio Credit Risk Management on page 86.
${ }^{(4)}$ 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
(5) nonperforming loans, leases and foreclosed properties, see Nonperforming Consumer Loans and Foreclosed Properties Activity on page 106 and corresponding Table 45, and Nonperforming Commercial Loans, Leases and Foreclosed Properties Activity on page 118 and corresponding Table 54.
Amounts included in allowance that are excluded from nonperforming loans primarily include amounts allocated
${ }^{(6)}$ to the U.S. credit card and unsecured consumer lending portfolios in CBB, PCI loans and the non-U.S. credit card portfolio in All Other.
Net charge-offs exclude $\$ 1.7$ billion of write-offs in the Countrywide home equity PCI portfolio for the nine
${ }^{(7)}$ months ended September 30, 2012. These write-offs decreased the PCI valuation allowance included as part of the allowance for loan and lease losses.
$\mathrm{n} / \mathrm{m}=$ not meaningful

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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 (ROTE) 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.

ROTE 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 Tables 7 and 8 .
In addition, we evaluate our business segment results based on measures that utilize return on economic capital, a non-GAAP financial measure, including the following:

Return on average economic capital for the segments is calculated as net income, adjusted for cost of funds and earnings credits and certain expenses related to intangibles, divided by average economic capital.

Economic capital represents allocated equity less goodwill and a percentage of intangible assets (excluding MSRs).

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Certain of the information presented in Table 9 excludes the impact of a goodwill impairment charge of $\$ 581$ million recorded in the fourth quarter of 2011 and certain of the information presented in Table 10 excludes the impact of a goodwill impairment charge of $\$ 2.6$ billion recorded in the second quarter of 2011 . Accordingly, these are non-GAAP financial measures. Tables 9,10 and 11 provide reconciliations of these non-GAAP financial measures to 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 9
Quarterly Supplemental Financial Data and Reconciliations to GAAP Financial Measures

| 2012 Quarters |  | 2011 Quarters |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Third | Second | First | Fourth |  | Third |  |
|  |  |  |  |  |  |  |
| $\$ 10,167$ | $\$ 9,782$ |  | $\$ 11,053$ | $\$ 10,959$ | $\$ 10,739$ |  |
| 20,657 | 22,202 |  | 22,485 | 25,146 | 28,702 |  |
| 2.32 | $\%$ | 2.21 | $\%$ | 2.51 | $\%$ | 2.45 |$\left.\%\right) 2.32 \quad \%$

Performance ratios, excluding goodwill impairment charge
(1)

Per common share information
Earnings \$0.21
Diluted earnings 0.20
Efficiency ratio (FTE basis) $\quad 75.33$ \%
Return on average assets 0.46
Four quarter trailing return on average assets ${ }^{(2)} \quad 0.20$
$\begin{array}{ll}\text { Return on average common shareholders' equity } & 4.10\end{array}$
Return on average tangible common shareholders' equity $\quad 6.46$
Return on average tangible shareholders' equity $\quad 6.72$
(1) Performance ratios are calculated excluding the impact of the goodwill impairment charge of $\$ 581$ million recorded during the fourth quarter of 2011.
(2) Calculated as total net income for four consecutive quarters divided by annualized average assets for four consecutive quarters.

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Table 9
Quarterly Supplemental Financial Data and Reconciliations to GAAP Financial Measures (continued)
2012 Quarters 2011 Quarters
(Dollars in millions) Third Second First Fourth Third

Reconciliation of net interest income to net interest income on a fully taxable-equivalent basis

| Net interest income | $\$ 9,938$ | $\$ 9,548$ | $\$ 10,846$ | $\$ 10,701$ | $\$ 10,490$ |
| :--- | :--- | :--- | :--- | :--- | :--- |
| Fully taxable-equivalent adjustment | 229 | 234 | 207 | 258 | 249 |
| Net interest income on a fully taxable-equivalent <br> basis | $\$ 10,167$ | $\$ 9,782$ | $\$ 11,053$ | $\$ 10,959$ | $\$ 10,739$ |

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 $\quad \$ 20,428 \quad \$ 21,968 \quad \$ 22,278 \quad \$ 24,888 \quad \$ 28,453$
Fully taxable-equivalent adjustment
Total revenue, net of interest expense on a fully taxable-equivalent basis
Reconciliation of total noninterest expense to total noninterest expense, excluding goodwill impairment charge
$\begin{array}{llllll}\text { Total noninterest expense } & \$ 17,544 & \$ 17,048 & \$ 19,141 & \$ 19,522 & \$ 17,613\end{array}$
Goodwill impairment charge
Total noninterest expense, excluding goodwill impairment charge
Reconciliation of income tax expense to income tax expense on a fully taxable-equivalent basis

| Income tax expense | $\$ 770$ | $\$ 684$ | $\$ 66$ | $\$ 441$ | $\$ 1,201$ |
| :--- | :--- | :--- | :--- | :--- | :--- |
| Fully taxable-equivalent adjustment | 229 | 234 | 207 | 258 | 249 |
| Income tax expense on a fully taxable-equivalent |  |  |  |  |  |
| basis | $\$ 999$ | $\$ 918$ | $\$ 273$ | $\$ 699$ | $\$ 1,450$ |

Reconciliation of net income to net income, excluding goodwill impairment charge

| Net income | $\$ 340$ | $\$ 2,463$ | $\$ 653$ | $\$ 1,991$ | $\$ 6,232$ |
| :--- | :--- | :--- | :--- | :--- | :--- |
| Goodwill impairment charge <br> Net income, excluding goodwill impairment <br> charge | - | - | - | 581 | - |
| Reconciliation of net income (loss) applicable to <br> common shareholders to net income (loss) <br> applicable to common shareholders, excluding <br> goodwill impairment charge | $\$ 340$ | $\$ 2,463$ | $\$ 653$ | $\$ 2,572$ | $\$ 6,232$ |
| Net income (loss) applicable to common <br> shareholders | $\$(33$ | $) \$ 2,098$ | $\$ 328$ | $\$ 1,584$ | $\$ 5,889$ |
| Goodwill impairment charge |  | - | - | 581 | - |
| Net income (loss) applicable to common <br> shareholders, excluding goodwill impairment | $\$(33$ | $) \$ 2,098$ | $\$ 328$ | $\$ 2,165$ | $\$ 5,889$ |

charge
Reconciliation of average common shareholders' equity to average tangible common shareholders' equity

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Common shareholders' equity
Goodwill
Intangible assets (excluding MSRs)
Related deferred tax liabilities
Tangible common shareholders' equity

| $\$ 217,273$ | $\$ 216,782$ | $\$ 214,150$ | $\$ 209,324$ | $\$ 204,928$ |
| :--- | :--- | :--- | :--- | :--- |
| $(69,976$ | $)$ | $(69,976$ | $)$ | $(69,967$ |
| $(7,194$ | $)$ | $(7,533$ | $)(70,647$ | $)(71,070$ |
| 2,556 | 2,626 | 2,700 | $)(8,566$ | $)(9,005$ |
| $\$ 142,659$ | $\$ 141,899$ | $\$ 139,014$ | $\$ 132,886$ | $\$ 127,705$ |

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 $\quad \$ 219,838 \quad \$ 217,213 \quad \$ 213,711 \quad \$ 211,704 \quad \$ 210,772$
Goodwill
Intangible assets (excluding MSRs)
Related deferred tax liabilities
Tangible common shareholders' equity

| $\$ 236,039$ | $\$ 235,558$ | $\$ 232,566$ | $\$ 228,235$ | $\$ 222,410$ |
| :--- | :--- | :--- | :--- | :--- |
| $(69,976$ | $)$ | $(69,976$ | $)$ | $(69,967$ |
| $(7,194$ | $)$ | $(7,533$ | $)(70,647$ | $)(71,070$ |
| 2,556 | 2,626 | 2,700 | $)(8,566$ | $)(9,005$ |
| $\$ 161,425$ | $\$ 160,675$ | $\$ 157,430$ | $\$ 151,797$ | $\$ 145,187$ |

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

| $\$ 238,606$ | $\$ 235,975$ | $\$ 232,499$ | $\$ 230,101$ | $\$ 230,252$ |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
| $(69,976$ | $)$ | $(69,976$ | $)$ | $(69,976$ | $)$ |
| $(7,030$ | $)$ | $(7,335$ | $)(7,696$ | $)(8,021$ | $)(70,832$ |
| $(7,764$ | $(8,757$ |  |  |  |  |
| 2,494 | 2,559 | 2,628 | 2,702 | 2,777 |  |
| $\$ 164,094$ | $\$ 161,223$ | $\$ 157,455$ | $\$ 154,815$ | $\$ 153,433$ |  |

Reconciliation of period-end assets to period-end tangible assets
Assets
Goodwill
Intangible assets (excluding MSRs)
Related deferred tax liabilities
Tangible assets

| $\$ 2,166,162$ | $\$ 2,160,854$ | $\$ 2,181,449$ | $\$ 2,129,046$ | $\$ 2,219,628$ |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
| $(69,976$ | $)$ | $(69,976$ | $)$ | $(69,976$ | $)$ |
| $(7,030$ | $)$ | $(7,335$ | $)$ | $(7,696$ | $)$ |
| $(8,067$ | $(70,832)$ |  |  |  |  |
| 2,494 | 2,559 | 2,628 | 2,702 | $(8,764$ |  |
| $\$ 2,091,650$ | $\$ 2,086,102$ | $\$ 2,106,405$ | $\$ 2,053,760$ | $\$ 2,142,809$ |  |

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Table 10
Year-to-Date Supplemental Financial Data and Reconciliations to GAAP Financial Measures


Reconciliation of average common shareholders' equity to average tangible common shareholders' equity
Common shareholders' equity $\quad \$ 216,073 \quad \$ 212,512$
Goodwill (69,973 ) (72,903 )
Intangible assets (excluding MSRs) (7,531 ) (9,386 )
$\begin{array}{ll}\text { Related deferred tax liabilities } & 2,627 \quad 2,939\end{array}$
$\begin{array}{ll}\text { Tangible common shareholders' equity } & \$ 141,196 \quad \$ 133,162\end{array}$
Reconciliation of average shareholders' equity to average tangible shareholders' equity
Shareholders' equity $\quad \$ 234,726 \quad \$ 229,385$
Goodwill (69,973 ) (72,903 )
Intangible assets (excluding MSRs) (7,531 ) (9,386 )
Related deferred tax liabilities 2,627 2,939
Tangible shareholders' equity $\quad \$ 159,849 \quad \$ 150,035$
${ }_{(1)}$ Performance ratios have been calculated excluding the impact of the goodwill impairment charge of $\$ 2.6$ billion recorded during the second quarter of 2011.

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Table 11
Segment Supplemental Financial Data Reconciliations to GAAP Financial Measures

|  | Three Months Ended <br> September 30 |  |  | Nine Months Ended September 30 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| (Dollars in millions) | 2012 | 2011 |  | 2012 |  | 2011 |
| Consumer \& Business Banking |  |  |  |  |  |  |
| Reported net income | \$1,285 | \$ 1,664 |  | \$3,893 |  | \$6,204 |
| Adjustment related to intangibles ${ }^{(1)}$ | 3 |  |  | 10 |  | 15 |
| Adjusted net income | \$1,288 | \$1,670 |  | \$3,903 |  | \$6,219 |
| Average allocated equity | \$53,982 | \$52,381 |  | \$53,462 |  | \$52,875 |
| Adjustment related to goodwill and a percentage of intangibles | (30,447 | ) $(30,600$ | ) | (30,485 | ) | (30,650 |
| Average economic capital | \$23,535 | \$21,781 |  | \$22,977 |  | \$22,225 |
| Consumer Real Estate Services |  |  |  |  |  |  |
| Reported net loss | \$(877 | ) \$(1,121 | ) | \$(2,786 | ) | \$(18,023 |
| Adjustment related to intangibles ${ }^{(1)}$ | - | - |  | - |  | - |
| Goodwill impairment charge | - | - |  | - |  | 2,603 |
| Adjusted net loss | \$(877 | ) \$(1,121 | ) | \$(2,786 | ) | \$(15,420 |
| Average allocated equity | \$13,332 | \$ 14,240 |  | \$14,077 |  | \$ 16,688 |
| Adjustment related to goodwill and a percentage of intangibles (excluding MSRs) | - | - |  | - |  | (1,804 |
| Average economic capital | \$13,332 | \$ 14,240 |  | \$14,077 |  | \$ 14,884 |
| Global Banking |  |  |  |  |  |  |
| Reported net income | \$1,295 | \$1,206 |  | \$4,292 |  | \$4,709 |
| Adjustment related to intangibles ${ }^{(1)}$ | 1 | 2 |  | 3 |  | 5 |
| Adjusted net income | \$1,296 | \$ 1,208 |  | \$4,295 |  | \$4,714 |
| Average allocated equity | \$46,223 | \$47,682 |  | \$45,967 |  | \$47,820 |
| Adjustment related to goodwill and a percentage of intangibles | (24,852 | ) $(24,724$ | ) | (24,856 | ) | (24,529 |
| Average economic capital | \$21,371 | \$22,958 |  | \$21,111 |  | \$23,291 |
| Global Markets |  |  |  |  |  |  |
| Reported net income (loss) | \$(359 | ) \$(553 | ) | \$900 |  | \$ 1,753 |
| Adjustment related to intangibles ${ }^{(1)}$ | 2 | 3 |  | 7 |  | 9 |
| Adjusted net income (loss) | \$(357 | ) $\$(550$ | ) | \$907 |  | \$ 1,762 |
| Average allocated equity | \$17,068 | \$21,609 |  | \$17,504 |  | \$23,636 |
| Adjustment related to goodwill and a percentage of intangibles | (4,651 | ) $(4,655$ | ) | (4,636 | ) | (4,616 |
| Average economic capital | \$12,417 | \$16,954 |  | \$12,868 |  | \$19,020 |
| Global Wealth and Investment Management |  |  |  |  |  |  |
| Reported net income | \$542 | \$362 |  | \$1,639 |  | \$ 1,424 |
| Adjustment related to intangibles ${ }^{(1)}$ | 6 | 7 |  | 18 |  | 23 |
| Adjusted net income | \$548 | \$369 |  | \$1,657 |  | \$ 1,447 |


| Average allocated equity | $\$ 18,871$ | $\$ 17,826$ | $\$ 18,027$ | $\$ 17,772$ |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
| Adjustment related to goodwill and a percentage of intangibles | $(10,600$ | $)$ | $(10,691$ | $)$ | $(10,620$ |
| Average economic capital | $\$ 8,271$ | $\$ 7,135$ | $\$ 7,407$ | $\$ 7,064$ |  |
| (1) Represents cost of funds, earnings credit and certain expenses related to intangibles. |  |  |  |  |  |

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Table 11
Segment Supplemental Financial Data Reconciliations to GAAP Financial Measures (continued)

| Three Months Ended | Nine Months Ended |
| :--- | :--- |
| September 30 | September 30 |
| 2012 | 2012 |

$\left.\begin{array}{lllll}\text { (Dollars in millions) } & 2012 & 2011 & 2012 & 2011 \\ \begin{array}{lll}\text { Consumer \& Business Banking } \\ \text { Deposits } \\ \text { Reported net income }\end{array} & & & & \\ \begin{array}{l}\text { Adjustment related to intangibles (1) } \\ \text { Adjusted net income }\end{array} & \$ 207 & \$ 280 & \$ 702 & \$ 1,063 \\ & - & 1 & 1 & 2 \\ \text { Average allocated equity } & \$ 207 & \$ 281 & \$ 703 & \$ 1,065 \\ \begin{array}{l}\text { Adjustment related to goodwill and a percentage of intangibles } \\ \text { Average economic capital }\end{array} & \$ 25,047 & \$ 23,819 & \$ 24,078 & \$ 23,692 \\ & \$ 7,127 & \$ 5,872 & \$ 6,152 & \$ 5,740\end{array}\right)$
${ }^{(1)}$ For footnote see page 23.

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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 49, 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 12 provides additional clarity in assessing our results.

Table 12
Net Interest Income Excluding Trading-related Net Interest Income
 trading-related activities ${ }^{(3)}$
2.85 \% $2.80 \quad$ \% $2.89 \quad$ \% 3.04 \%

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, deposits, primarily overnight, placed with certain foreign central banks of $\$ 48$ million and $\$ 147$ million for the three and nine months ended September 30, 2012 and $\$ 38$ million and $\$ 150$ million for the same periods in 2011.
${ }^{(2)}$ Represents the impact of trading-related amounts included in Global Markets.
${ }^{(3)}$ Represents a non-GAAP financial measure.
${ }^{(4)}$ Calculated on an annualized basis.
For the three and nine months ended September 30, 2012, net interest income excluding trading-related net interest income decreased $\$ 490$ million to $\$ 9.3$ billion, and $\$ 3.1$ billion to $\$ 28.7$ billion compared to the same periods in 2011. The declines were primarily driven by lower consumer loan balances and yields, partially offset by reductions in long-term debt balances and lower rates paid on deposits. The three-month comparison also reflects lower hedge ineffectiveness in the third quarter of 2012.

Average earning assets excluding trading-related earning assets for the three and nine months ended September 30, 2012 decreased $\$ 92.4$ billion to $\$ 1,303.3$ billion, and $\$ 70.7$ billion to $\$ 1,325.0$ billion compared to the same periods in 2011. The decreases were due to declines in consumer loans, securities purchased under agreement to resell, time deposits placed and loans held-for-sale (LHFS).

For the three and nine months ended September 30, 2012, net interest yield on earning assets excluding trading-related activities increased five bps to 2.85 percent and decreased 15 bps to 2.89 percent compared to the same periods in the prior year. The three-month increase was primarily due to lower hedge ineffectiveness and the nine-month decrease was primarily due to the factors noted above for net interest income excluding trading-related net interest income. These impacts include a significant flattening of the yield curve driven by lower long-term rates compared to the same periods in the prior year.

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Table 13
Quarterly Average Balances and Interest Rates - FTE Basis

Third Quarter 2012
(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
Discontinued real estate
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
$\left.\begin{array}{lllllll}\begin{array}{l}\text { Average } \\ \text { Balance }\end{array} & \begin{array}{l}\text { Interest } \\ \text { Income/ } \\ \text { Expense }\end{array} & \begin{array}{l}\text { Yield/ } \\ \text { Rate }\end{array} & \begin{array}{l}\text { Average } \\ \text { Balance }\end{array} & \begin{array}{l}\text { Interest } \\ \text { Income/ } \\ \text { Yield/ } \\ \text { Expense }\end{array} \\ \text { Rate }\end{array}\right\}$

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 Corporation's Consolidated Balance Sheet presentation of these deposits. In addition, beginning in the third quarter of 2012, fees earned on deposits, primarily overnight, placed with certain foreign 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 AFS debt securities 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 $\$ 92$ million, $\$ 89$ million and $\$ 86$ million in the third, second and first quarters of 2012, and $\$ 88$ million and $\$ 91$ million in the fourth and third quarters of 2011, respectively.
(5) Includes non-U.S. consumer loans of $\$ 7.8$ billion, $\$ 7.8$ billion and $\$ 7.5$ billion in the third, second and first quarters of 2012 , and $\$ 8.4$ billion and $\$ 8.6$ billion in the fourth and third quarters of 2011, respectively.
(6)

Includes consumer finance loans of $\$ 1.5$ billion, $\$ 1.6$ billion and $\$ 1.6$ billion in the third, second and first quarters of 2012, and $\$ 1.7$ billion and $\$ 1.8$ billion in the fourth and third quarters of 2011, respectively; other non-U.S. consumer loans of $\$ 997$ million, $\$ 895$ million and $\$ 903$ million in the third, second and first quarters of 2012, and $\$ 959$ million and $\$ 932$ million in the fourth and third quarters of 2011, respectively; and consumer overdrafts of $\$ 158$ million, $\$ 108$ million and $\$ 90$ million in the third, second and first quarters of 2012, and $\$ 107$ million in both the fourth and third quarters of 2011, respectively.
Includes U.S. commercial real estate loans of $\$ 35.4$ billion, $\$ 36.0$ billion and $\$ 37.4$ billion in the third, second and first quarters of 2012, and $\$ 38.7$ billion and $\$ 40.7$ billion in the fourth and third quarters of 2011, respectively; and non-U.S. commercial real estate loans of $\$ 1.5$ billion, $\$ 1.6$ billion and $\$ 1.8$ billion in the third, second and first quarters of 2012, and $\$ 1.9$ billion and $\$ 2.2$ billion in the fourth and third quarters of 2011, respectively. Interest income includes the impact of interest rate risk management contracts, which decreased interest income on the underlying assets by $\$ 136$ million, $\$ 366$ million and $\$ 106$ million in the third, second and first quarters of 2012, and $\$ 427$ million and $\$ 1.0$ billion in the fourth and third quarters of 2011, respectively. Interest expense
${ }^{(8)}$ includes the impact of interest rate risk management contracts, which decreased interest expense on the underlying liabilities by $\$ 454$ million, $\$ 591$ million and $\$ 658$ million in the third, second and first quarters of 2012, and $\$ 763$ million and $\$ 631$ million in the fourth and third quarters of 2011, respectively. For further information on interest rate contracts, see Interest Rate Risk Management for Nontrading Activities on page 139.

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Table 13
Quarterly Average Balances and Interest Rates - FTE Basis (continued)

First Quarter $2012 \quad$ Fourth Quarter 2011

Earning assets
Time deposits placed and $\begin{array}{llllllllllll}\text { other short-term } & \$ 31,404 & \$ 65 & 0.83 & \% & \$ 27,688 & \$ 85 & 1.19 & \% & \$ 26,743 & \$ 87 & 1.31\end{array}$ investments ${ }^{(1)}$
Federal funds sold and

| securities borrowed or purchased under agreements to resell | 233,061 | 460 | 0.79 | 237,453 | 449 | 0.75 | 256,143 | 584 | 0.90 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Trading account assets | 175,778 | 1,399 | 3.19 | 161,848 | 1,354 | 3.33 | 180,438 | 1,543 | 3.40 |
| Debt securities ${ }^{(2)}$ | 327,758 | 2,732 | 3.33 | 332,990 | 2,245 | 2.69 | 344,327 | 1,744 | 2.02 |
| Loans and leases ${ }^{(3)}$ : |  |  |  |  |  |  |  |  |  |
| Residential mortgage ${ }^{(4)}$ | 260,573 | 2,489 | 3.82 | 266,144 | 2,596 | 3.90 | 268,494 | 2,856 | 4.25 |
| Home equity | 122,933 | 1,164 | 3.80 | 126,251 | 1,207 | 3.80 | 129,125 | 1,238 | 3.81 |
| Discontinued real estate | 12,082 | 103 | 3.42 | 14,073 | 128 | 3.65 | 15,923 | 134 | 3.36 |
| U.S. credit card | 98,334 | 2,459 | 10.06 | 102,241 | 2,603 | 10.10 | 103,671 | 2,650 | 10.14 |
| Non-U.S. credit card Direct/Indirect consumer (5) | 14,151 | 408 | 11.60 | 15,981 | 420 | 10.41 | 25,434 | 697 | 10.88 |
|  | 88,321 | 801 | 3.65 | 90,861 | 863 | 3.77 | 90,280 | 915 | 4.02 |
| Other consumer ${ }^{(6)}$ | 2,617 | 40 | 6.24 | 2,751 | 41 | 6.14 | 2,795 | 43 | 6.07 |
| Total consumer | 599,011 | 7,464 | 5.00 | 618,302 | 7,858 | 5.06 | 635,722 | 8,533 | 5.34 |
| U.S. commercial | 195,111 | 1,756 | 3.62 | 196,778 | 1,798 | 3.63 | 191,439 | 1,809 | 3.75 |
| Commercial real estate ${ }^{(7)} 39,190$ |  | 339 | 3.48 | 40,673 | 343 | 3.34 | 42,931 | 360 | 3.33 |
| Commercial lease financing | 21,679 | 272 | 5.01 | 21,278 | 204 | 3.84 | 21,342 | 240 | 4.51 |
| Non-U.S. commercial | 58,731 | 391 | 2.68 | 55,867 | 395 | 2.80 | 50,598 | 349 | 2.73 |
| Total commercial | 314,711 | 2,758 | 3.52 | 314,596 | 2,740 | 3.46 | 306,310 | 2,758 | 3.58 |
| Total loans and leases | 913,722 | 10,222 | 4.49 | 932,898 | 10,598 | 4.52 | 942,032 | 11,291 | 4.77 |
| Other earning assets | 86,382 | 743 | 3.46 | 91,109 | 904 | 3.95 | 91,452 | 814 | 3.54 |
| Total earning assets ${ }^{(8)}$ | 1,768,105 | 15,621 | 3.55 | 1,783,986 | 15,635 | 3.49 | 1,841,135 | 16,063 | 3.47 |
| Cash and cash equivalents ${ }^{(1)}$ | 112,512 | 47 |  | 94,287 | 36 |  | 102,573 | 38 |  |
| Other assets, less allowance for loan and lease losses | 306,557 |  |  | 329,294 |  |  | 357,746 |  |  |
| Total assets | \$2,187,174 |  |  | \$2,207,567 |  |  | \$2,301,454 |  |  |

For footnotes see page 26.

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Table 13
Quarterly Average Balances and Interest Rates - FTE Basis (continued)
(Dollars in millions)
Interest-bearing liabilities
U.S. interest-bearing deposits:
$\left.\begin{array}{llllllll}\text { (Dollars in millions) } & \begin{array}{llllll}\text { Average } \\ \text { Balance }\end{array} & \begin{array}{l}\text { Interest } \\ \text { Income// } \\ \text { Expense }\end{array} & \begin{array}{l}\text { Yield/ } \\ \text { Rate }\end{array} & \begin{array}{l}\text { Interest } \\ \text { Average } \\ \text { Balance }\end{array} & \begin{array}{l}\text { Yield/ } \\ \text { Income/ } \\ \text { Expense }\end{array} \\ \text { Rate }\end{array}\right\}$

## Third Quarter 2012

$\left.\begin{array}{lllllll}\begin{array}{l}\text { Average } \\ \text { Balance }\end{array} & \begin{array}{l}\text { Interest } \\ \text { Income/ } \\ \text { Expense }\end{array} & \begin{array}{l}\text { Yield/ } \\ \text { Rate }\end{array} & \begin{array}{l}\text { Average } \\ \text { Balance }\end{array} & \begin{array}{l}\text { Interest } \\ \text { Income/ } \\ \text { Expense }\end{array} \\ \text { Yield/ } \\ \text { Rate }\end{array}\right\}$

Second Quarter 2012

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Table 13
Quarterly Average Balances and Interest Rates - FTE Basis (continued)
 Interest-bearing liabilities
U.S. interest-bearing deposits:

| Savings | $\$ 40,543$ | $\$ 14$ | 0.14 | $\%$ | $\$ 39,609$ | $\$ 16$ | 0.16 | $\%$ | $\$ 41,256$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| NOW and money |  |  |  |  |  |  |  |  |  |
| market deposit accounts | 458,649 | 186 | 0.16 | 454,249 | 192 | 0.17 | 473,391 | 248 | $0.19 \%$ |
| Consumer CDs and | 100,044 | 194 | 0.78 | 103,488 | 220 | 0.84 | 108,359 | 244 | 0.89 |
| IRAs |  |  |  |  |  |  |  |  |  |
| Negotiable CDs, public <br> funds and other deposits <br> Total U.S. 22,586 |  |  |  |  |  |  |  |  |  |

Non-U.S.
interest-bearing
deposits:

| Banks located in |  |  |  |  |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| non-U.S. countries | 18,170 | 28 | 0.62 | 20,454 | 29 | 0.55 | 21,037 | 34 | 0.65 |
| Governments and <br> official institutions | 1,286 | 1 | 0.41 | 1,466 | 1 | 0.36 | 2,043 | 2 | 0.32 |
| Time, savings and other <br> Total non-U.S. | 74,241 | 90 | 0.66 | 57,814 | 124 | 0.85 | 64,271 | 150 | 0.93 |
| interest-bearing deposits | 119 | 0.64 | 79,734 | 154 | 0.77 | 87,351 | 186 | 0.85 |  |
| Total interest-bearing <br> deposits | 696,519 | 549 | 0.32 | 699,493 | 616 | 0.35 | 728,904 | 704 | 0.38 |

Federal funds
purchased, securities
loaned or sold under agreements to repurchase and other short-term borrowings
Trading account

| Trading account | 71,872 | 477 | 2.67 | 70,999 | 411 | 2.29 | 87,841 | 547 | 2.47 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| liabilities | 363,518 | 2,708 | 2.99 | 389,557 | 2,764 | 2.80 | 420,273 | 2,959 | 2.82 |
| Long-term debt |  |  |  |  |  |  |  |  |  |
| Total interest-bearing | $1,424,965$ | 4,615 | 1.30 | $1,444,815$ | 4,712 | 1.29 | $1,540,252$ | 5,362 | 1.39 |
| liabilities (8) |  |  |  |  |  |  |  |  |  |

Noninterest-bearing
sources:
Noninterest-bearing
deposits
333,593
Other liabilities 196,050
Shareholders' equity

232,566
\$2,187,174

333,038
322,416
201,479
216,376
228,235 222,410
\$2,207,567
\$2,301,454

Total liabilities and shareholders' equity Net interest spread Impact of noninterest-bearing sources
Net interest $\begin{array}{lllllll}\text { income/yield on earning } & \$ 11,006 & 2.50 \% & \$ 10,923 & 2.44 \% & \$ 10,701 & 2.31 \%\end{array}$ assets ${ }^{(1)}$
For footnotes see page 26.
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Table 14
Year-to-Date Average Balances and Interest Rates - FTE Basis
Nine Months Ended September 30
20122011
(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
Discontinued real estate
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 304,269
Total assets
\$2,184,974
2011

| Average | Interest | Income/ Yield/ | Average |
| :--- | :--- | :--- | :--- |
| Balance | Interest | Yield/ |  |
| Expense |  |  |  |

Includes consumer finance loans of $\$ 1.6$ billion and $\$ 1.8$ billion, other non-U.S. consumer loans of $\$ 932$ million
${ }^{(6)}$ and $\$ 851$ million, and consumer overdrafts of $\$ 119$ million and $\$ 88$ million for the nine months ended September 30, 2012 and 2011.
(7) Includes U.S. commercial real estate loans of $\$ 36.3$ billion and $\$ 43.3$ billion, and non-U.S. commercial real estate loans of $\$ 1.7$ billion and $\$ 2.4$ billion for the nine months ended September 30, 2012 and 2011.
Interest income includes the impact of interest rate risk management contracts, which decreased interest income on the underlying assets by $\$ 608$ million and $\$ 2.2$ billion for the nine months ended September 30, 2012 and 2011.
(8) Interest expense includes the impact of interest rate risk management contracts, which decreased interest expense on the underlying liabilities by $\$ 1.7$ billion and $\$ 1.9$ billion for the nine months ended September 30, 2012 and 2011. For further information on interest rate contracts, see Interest Rate Risk Management for Nontrading Activities on page 139.

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Table 14
Year-to-Date Average Balances and Interest Rates - FTE Basis (continued)
Nine Months Ended September 30

| (Dollars in millions) | 2012 |  |  | 2011 |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 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 | \$41,506 | \$39 | 0.12 | \% | \$40,618 | \$84 | 0.28 \% |
| NOW and money market deposit accounts | 461,720 | 547 | 0.16 |  | 476,002 | 868 | 0.24 |
| Consumer CDs and IRAs | 97,003 | 537 | 0.74 |  | 113,428 | 825 | 0.97 |
| Negotiable CDs, public funds and other deposits | 21,273 | 101 | 0.63 |  | 15,478 | 86 | 0.74 |
| Total U.S. interest-bearing deposits | 621,502 | 1,224 | 0.26 |  | 645,526 | 1,863 | 0.39 |
| Non-U.S. interest-bearing deposits: |  |  |  |  |  |  |  |
| Banks located in non-U.S. countries | 15,544 | 72 | 0.62 |  | 20,600 | 109 | 0.71 |
| Governments and official institutions | 1,067 | 3 | 0.37 |  | 2,159 | 6 | 0.35 |
| Time, savings and other | 53,328 | 253 | 0.63 |  | 63,212 | 408 | 0.86 |
| Total non-U.S. interest-bearing deposits | 69,939 | 328 | 0.63 |  | 85,971 | 523 | 0.81 |
| Total interest-bearing deposits | 691,441 | 1,552 | 0.30 |  | 731,497 | 2,386 | 0.44 |
| Federal funds purchased, securities loaned or sold under agreements to repurchase and other short-term borrowings | 312,376 | 2,717 | 1.16 |  | 337,583 | 3,678 | 1.46 |
| Trading account liabilities | 78,041 | 1,343 | 2.30 |  | 89,302 | 1,801 | 2.70 |
| Long-term debt | 329,320 | 7,485 | 3.03 |  | 431,902 | 9,043 | 2.80 |
| Total interest-bearing liabilities ${ }^{(8)}$ | 1,411,178 | 13,097 | 1.24 |  | 1,590,284 | 16,908 | 1.42 |
| Noninterest-bearing sources: |  |  |  |  |  |  |  |
| Noninterest-bearing deposits | 346,169 |  |  |  | 305,408 |  |  |
| Other liabilities | 192,901 |  |  |  | 201,155 |  |  |
| Shareholders' equity | 234,726 |  |  |  | 229,385 |  |  |
| Total liabilities and shareholders' equity | \$2,184,974 |  |  |  | \$2,326,232 |  |  |
| Net interest spread |  |  | 2.09 | \% |  |  | 2.30 \% |
| Impact of noninterest-bearing sources |  |  | 0.24 |  |  |  | 0.19 |
| Net interest income/yield on earning assets ${ }^{(1)}$ |  | \$30,855 | 2.33 | \% |  | \$34,479 | 2.49 \% |

For footnotes see page 30.

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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. Effective January 1, 2012, we changed the basis of presentation from six segments to the above five segments. The former Deposits and Card Services segments, as well as Business Banking, which was included in the former Global Commercial Banking segment, are now reflected in CBB. The former Global Commercial Banking segment was combined with the Global Corporate and Investment Banking business, which was included in the former Global Banking \& Markets (GBAM) segment, to form Global Banking. The remaining global markets business of GBAM is now reported as a separate Global Markets segment. In addition, certain management accounting methodologies and related allocations were refined. Prior period results have been reclassified to conform to current period presentation.

We prepare and evaluate segment results using certain non-GAAP financial measures. For additional information, see Supplemental Financial Data on page 19.

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.

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 majority of our ALM activities are allocated to the business segments and fluctuate based on performance. 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.

We allocate economic capital to the business segments and related businesses using a risk-adjusted methodology incorporating each segment's credit, market, interest rate, strategic and operational risk components. See Managing Risk and Strategic Risk Management on page 70 for more information on the nature of these risks. A business segment's allocated equity includes this economic capital allocation and also includes the portion of goodwill and intangibles specifically assigned to the business segment. We benefit from the diversification of risk across these
components which is reflected as a reduction to allocated equity for each segment. The risk-adjusted methodology is periodically refined and such refinements are reflected as changes to allocated equity in each segment.

For more information on selected financial information for the business segments and reconciliations to consolidated total revenue, net income (loss) and period-end total assets, see Note 19 - Business Segment Information to the Consolidated Financial Statements.

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Consumer \& Business Banking
Three Months Ended September 30

| Deposits | Card |
| :--- | :--- |
|  | Services |


| Business |  |
| :--- | :--- |
| Banking | Business Banking |


(loss)
Total

| noninterest, 075 | 1,133 | 1,225 | 1,678 | 119 | 167 | 2,419 | 2,978 | $(19)$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

income
Total
revenue,
net of
$\left.\begin{array}{lllllllllll}\text { interest } & 2,957 & 3,120 & 3,704 & 4,498 & 409 & 509 & 7,070 & 8,127 & (13\end{array}\right)$
expense
(FTE
basis)
Provision

| for credit 60 | 52 | 836 | 1,037 | 74 | 43 | 970 | 1,132 | (14 | ) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| losses |  |  |  |  |  |  |  |  |  |
| $\begin{aligned} & \text { Noninterest } \\ & \text { expense } \end{aligned}$ | 2,623 | 1,290 | 1,444 | 203 | 280 | 4,061 | 4,347 | (7 | ) |
| Income before income 329 taxes | 445 | 1,578 | 2,017 | 132 | 186 | 2,039 | 2,648 | (23 | ) |
| Income <br> tax |  |  |  |  |  |  |  |  |  |
| $\begin{aligned} & \text { expense } 122 \\ & \text { (FTE } \\ & \text { basis) } \end{aligned}$ | 165 | 584 | 750 | 48 | 69 | 754 | 984 | (23 | ) |
| $\begin{aligned} & \text { Net } \\ & \text { income } \end{aligned} \quad \$ 207$ | \$280 | \$994 | \$1,267 | \$84 | \$117 | \$1,285 | \$1,664 | (23 | ) |

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Net
interest

(FTE
basis)
Return
on

| average | 3.29 | 4.67 | 19.33 | 24.22 | 3.89 | 5.93 | 9.47 | 12.60 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

allocated
equity
Return
on

| average | 11.60 | 19.01 | 39.54 | 49.50 | 5.17 | 8.11 | 21.77 | 30.42 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

economic
capital
Efficiency

| ratio | 86.82 | 84.07 | 34.79 | 32.09 | 50.03 | 54.95 | 57.43 | 53.48 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $\left(\begin{array}{lll}\text { FTE }\end{array}\right.$ |  |  |  |  |  |  |  |  |
| basis) |  |  |  |  |  |  |  |  |

Balance
Sheet

Average
Total
loans andn $/ \mathrm{m} \quad \mathrm{n} / \mathrm{m} \quad \$ 109,707 \quad \$ 123,547 \quad \$ 23,375 \quad \$ 27,258 \quad \$ 133,881 \quad \$ 151,492 \quad$ (12 $)$
leases
Total
$\begin{array}{llllllllll}\text { earning } & \$ 437,234 & \$ 420,876 & 110,233 & 124,766 & 44,974 & 44,342 & 494,485 & 480,312 & 3\end{array}$
assets (1)

| Total assets (1) 463,248 | 447,620 | 116,760 | 129,170 | 51,929 | 52,394 | 533,981 | 519,512 | 3 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Total deposits $436,688$ | 422,331 | $\mathrm{n} / \mathrm{m}$ | $\mathrm{n} / \mathrm{m}$ | 43,294 | 41,622 | 480,342 | 464,256 | 3 |
| $\begin{aligned} & \text { Allocated } \\ & \text { equity } \end{aligned}$ | 23,819 | 20,463 | 20,755 | 8,472 | 7,807 | 53,982 | 52,381 | 3 |
| Economic ${ }_{7,127}$ capital | 5,872 | 10,034 | 10,194 | 6,374 | 5,715 | 23,535 | 21,781 | 8 |

(1) For presentation purposes, in segments and businesses where the total of liabilities and equity exceeds assets, we
${ }^{(1)}$ allocate assets to match liabilities. As a result, total earning assets and total assets of the businesses may not equal total CBB.
$\mathrm{n} / \mathrm{m}=$ not meaningful

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Net
interest
yield
(FTE
basis)
Return
on

| average 3.89 | 6.00 | 19.25 | 30.02 | 3.47 | 6.08 | 9.73 | 15.69 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| allocated <br> equity <br> Return <br> on <br> average 15.27 | 24.82 | 39.32 | 59.92 | 4.55 | 8.28 | 22.69 | 37.42 |
| economic <br> capital |  |  |  |  |  |  |  |
| Efficiency <br> ratio <br> (FTE 86.09 <br> basis) | 81.35 | 36.49 | 32.60 | 52.15 | 55.42 | 58.08 | 52.59 |

Balance
Sheet

Average
Total

| loans andn/m leases | $\mathrm{n} / \mathrm{m}$ | \$112,689 | \$127,755 | \$23,998 | \$27,423 | \$137,431 | \$155,829 | (12 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Total earning \$430,837 assets (1) | \$421,530 | 113,659 | 128,904 | 45,640 | 42,475 | 490,393 | 482,003 | 2 |
| $\begin{aligned} & \text { Total } \\ & \text { assets (1) } \end{aligned} \text { 457,011 }$ | 447,926 | 119,741 | 131,172 | 52,802 | 50,807 | 529,811 | 518,998 | 2 |
| $\begin{aligned} & \text { Total } \\ & \text { deposits } \end{aligned} 431,516$ | 422,452 | $\mathrm{n} / \mathrm{m}$ | $\mathrm{n} / \mathrm{m}$ | 42,562 | 40,103 | 474,409 | 462,851 | 2 |
| $\begin{aligned} & \text { Allocated } \\ & \text { equity } \end{aligned} 24,078$ | 23,692 | 20,553 | 21,302 | 8,831 | 7,881 | 53,462 | 52,875 | 1 |
| $\begin{aligned} & \text { Economic } \\ & \text { capital } 6,152 \end{aligned}$ | 5,740 | 10,092 | 10,699 | 6,733 | 5,786 | 22,977 | 22,225 | 3 |

Period September 3December 31September 3December 31September 3December 3September 3December 31

| end 2012 | 2011 | 2012 | 2011 | 2012 | 2011 | 2012 | 2011 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Total |  |  |  |  |  |  |  |  |
| loans andn/m leases | $\mathrm{n} / \mathrm{m}$ | \$ 109,358 | \$ 120,668 | \$23,150 | \$25,006 | \$133,308 | \$146,378 | (9 |
| Total earning \$442,960 assets ${ }^{1)}$ | \$419,215 | 109,865 | 121,991 | 44,532 | 46,516 | 499,604 | 480,972 | 4 |
| $\begin{aligned} & \text { Total } \\ & \text { assets }{ }^{(1)} 468,885 \end{aligned}$ | 446,274 | 116,921 | 127,623 | 52,207 | 53,950 | 540,260 | 521,097 | 4 |
| $\begin{aligned} & \text { Total } \\ & \text { deposits } \end{aligned} 442,875$ | 421,871 | $\mathrm{n} / \mathrm{m}$ | $\mathrm{n} / \mathrm{m}$ | 43,055 | 41,519 | 486,857 | 464,264 | 5 |

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${ }_{1)}$ For presentation purposes, in segments and businesses where the total of liabilities and equity exceeds assets, we allocate assets to match liabilities. 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, Card Services and Business Banking, 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 5,500 banking centers, 16,300 ATMs, nationwide call centers, and online and mobile platforms.

The Federal Reserve adopted a final rule with respect to the Durbin Amendment, which became effective October 1, 2011, that established the maximum allowable interchange fees a bank can receive for a debit card transaction. The interchange fee rules resulted in a reduction of debit card revenue of approximately $\$ 420$ million in each of the first three quarters of 2012 when compared to the same periods in 2011. For more information on the Durbin Amendment and the final interchange rules, see Regulatory Matters on page 43 of the MD\&A of the Corporation's 2011 Annual Report on Form 10-K.

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## CBB Results

Three Months Ended September 30, 2012 Compared to Three Months Ended September 30, 2011

Net income for CBB decreased $\$ 379$ million to $\$ 1.3$ billion primarily due to lower revenue, partially offset by lower noninterest expense and provision for credit losses. Net interest income decreased $\$ 498$ million to $\$ 4.7$ billion due to lower average loan balances primarily in Card Services as well as compressed deposit spreads due to the continued low rate environment. Noninterest income decreased $\$ 559$ million to $\$ 2.4$ billion primarily due to a decline in Card Services. The provision for credit losses decreased $\$ 162$ million to $\$ 970$ million due to improvements in delinquencies and bankruptcies primarily in Card Services. Noninterest expense decreased $\$ 286$ million to $\$ 4.1$ billion primarily due to lower FDIC and operating expenses.

The return on average economic capital decreased primarily due to lower net income.

Nine Months Ended September 30, 2012 Compared to Nine Months Ended September 30, 2011

Net income for CBB decreased $\$ 2.3$ billion to $\$ 3.9$ billion primarily due to lower revenue and higher provision for credit losses, partially offset by lower noninterest expense. Net interest income decreased $\$ 1.9$ billion to $\$ 14.4$ billion and noninterest income decreased $\$ 1.6$ billion to $\$ 7.4$ billion. These changes were driven by the same factors as described in the three-month discussion above. The provision for credit losses increased $\$ 785$ million to $\$ 3.0$ billion with the increase largely in Card Services. Noninterest expense decreased $\$ 619$ million to $\$ 12.7$ billion primarily due to lower FDIC and operating expenses, partially offset by an increase in litigation expense.

The return on average economic capital decreased due to the same factor as described in the three-month discussion above. For more information regarding economic capital, see Supplemental Financial Data on page 19.

## 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. Deposit products provide a relatively stable source of funding and liquidity for the Corporation. We earn net interest spread revenue from investing this liquidity in earning assets through client-facing lending and ALM activities. 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 also 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 clients with less than $\$ 250,000$ in total assets. Merrill Edge provides team-based 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 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 52.

Three Months Ended September 30, 2012 Compared to Three Months Ended September 30, 2011

Net income for Deposits decreased $\$ 73$ million to $\$ 207$ million primarily driven by lower revenue, partially offset by lower noninterest expense. Net interest income declined $\$ 105$ million, or five percent, to $\$ 1.9$ billion driven by
compressed deposit spreads due to the continued low rate environment, partially offset by a customer shift to higher spread liquid products and continued pricing discipline. Noninterest income decreased $\$ 58$ million, or five percent, to $\$ 1.1$ billion primarily due to a decrease in service charges. Noninterest expense decreased $\$ 55$ million, or two percent, to $\$ 2.6$ billion as lower FDIC expense was partially offset by higher operating expense.

Average deposits increased $\$ 14.4$ billion driven by a customer shift to more liquid products in a low rate environment as checking, traditional savings and money market savings grew $\$ 24.3$ billion. Growth in liquid products was partially offset by a decline in average time deposits of $\$ 9.9$ billion. As a result of the shift in the mix of deposits and our continued pricing discipline, rates paid on average deposits declined by five bps to 20 bps .

Nine Months Ended September 30, 2012 Compared to Nine Months Ended September 30, 2011
Net income for Deposits decreased $\$ 361$ million to $\$ 702$ million primarily driven by lower net interest income. Net interest income declined $\$ 557$ million, or nine percent, to $\$ 5.9$ billion driven by the same factors as described in the three-month discussion. Noninterest income of $\$ 3.2$ billion and noninterest expense of $\$ 7.8$ billion remained relatively unchanged. Average deposits increased $\$ 9.1$ billion driven by the same factor as described in the three-month discussion.

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Key Statistics

|  | Three Months Ended September 30 |  |  | Nine Months Ended September 30 |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2012 |  | 2011 |  | 2012 |  | 2011 |
| Total deposit spreads (excludes noninterest costs) ${ }^{(1)}$ | 1.75 | \% | 2.09 | \% | 1.86 | \% | 2.14 |
| Period end |  |  |  |  |  |  |  |
| Client brokerage assets (in millions) |  |  |  |  | \$75,852 |  | \$61,918 |
| Online banking active accounts (units in thousands) |  |  |  |  | 29,809 |  | 29,917 |
| Mobile banking active accounts (units in thousands) |  |  |  |  | 11,097 |  | 8,531 |
| Banking centers |  |  |  |  | 5,540 |  | 5,715 |
| ATMs |  |  |  |  | 16,253 |  | 17,752 |

Mobile banking customers increased 2.6 million from a year ago reflecting a change in our customers' banking preferences. The number of banking centers declined 175 and ATMs declined 1,499 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.

Three Months Ended September 30, 2012 Compared to Three Months Ended September 30, 2011
Net income for Card Services decreased $\$ 273$ million to $\$ 994$ million primarily driven by a decrease in revenue, partially offset by a decrease in the provision for credit losses and lower noninterest expense. Net interest income decreased $\$ 341$ million, or 12 percent, to $\$ 2.5$ billion driven by lower average loan balances. Noninterest income decreased $\$ 453$ million, or 27 percent, to $\$ 1.2$ billion primarily due to lower interchange fees as a result of implementing the Durbin Amendment and the net impact of charges related to our consumer protection products. For information on the Durbin Amendment, see page 34.

The provision for credit losses decreased $\$ 201$ million to $\$ 836$ million due to improvements in delinquencies and bankruptcies. For more information, see Provision for Credit Losses on page 129. Noninterest expense decreased \$154 million, or 11 percent, to $\$ 1.3$ billion primarily due to lower operating expenses.

Average loans decreased $\$ 13.8$ billion, or 11 percent, driven by the impact of portfolio sales, charge-offs and continued run-off of non-core portfolios.

Nine Months Ended September 30, 2012 Compared to Nine Months Ended September 30, 2011
Net income for Card Services decreased $\$ 1.8$ billion to $\$ 3.0$ billion 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 $\$ 1.2$ billion, or 13 percent, to $\$ 7.6$ billion driven by lower average loan balances and yields. The net interest yield decreased 16 bps to 8.90 percent due to charge-offs and paydowns of higher interest rate products. Noninterest income decreased $\$ 1.5$ billion, or 28 percent, to $\$ 3.9$ billion driven by the same factors as described in the three-month discussion above as well as the net impact of portfolio sales.

The provision for credit losses increased $\$ 632$ million, or 33 percent, to $\$ 2.6$ billion as portfolio trends began to stabilize during 2012. Noninterest expense decreased $\$ 413$ million, or nine percent, to $\$ 4.2$ billion primarily due to lower operating expenses, partially offset by an increase in litigation expense.

Average loans decreased $\$ 15.1$ billion, or 12 percent, driven by the same factors as described in the three-month discussion.

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Key Statistics
(Dollars in millions)
U.S. credit card

Gross interest yield
Risk-adjusted margin
New accounts (in thousands)
Purchase volumes
Debit card purchase volumes

| Three Months Ended September 30 |  |  | Nine Months Ended |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | September 30 |  |  |  |
| 2012 |  | 2011 |  | 2012 |  | 2011 |
| 10.04 | \% | 10.14 | \% | 10.02 | \% | 10.29 |
| 7.66 |  | 6.08 |  | 7.23 |  | 5.51 |
| 857 |  | 851 |  | 2,421 |  | 2,238 |
| \$48,189 |  | \$48,547 |  | \$ 141,872 |  | \$ 141,457 |
| 64,121 |  | 62,774 |  | 192,146 |  | 186,819 |

During the three and nine months ended September 30, 2012, the U.S. credit card risk-adjusted margin increased 158 bps and 172 bps from the same periods in 2011, reflecting improvement in credit quality in the portfolio. During the nine months ended September 30, 2012, U.S. credit card new accounts grew by 183,000 accounts to 2.4 million accounts compared to the same period in 2011. U.S. credit card purchase volumes remained relatively unchanged for the three- and nine-month periods resulting from the net impact of portfolio sales and higher consumer spending. During the three and nine months ended September 30, 2012, debit card purchase volumes increased $\$ 1.3$ billion to $\$ 64.1$ billion, and $\$ 5.3$ billion to $\$ 192.1$ billion compared to the same periods in 2011 , reflecting higher levels of consumer spending.

## Business Banking

Business Banking 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. Business Banking also includes the results of our merchant services joint venture.

Three Months Ended September 30, 2012 Compared to Three Months Ended September 30, 2011

Net income for Business Banking decreased $\$ 33$ million to $\$ 84$ million primarily driven by lower revenue and an increase in the provision for credit losses, partially offset by lower noninterest expense. Net interest income decreased $\$ 52$ million, or 15 percent, to $\$ 290$ million driven by lower average loan balances. Noninterest income decreased $\$ 48$ million, or 29 percent, to $\$ 119$ million primarily due to the transfer of certain processing activities to our merchant services joint venture. The provision for credit losses increased $\$ 31$ million to $\$ 74$ million due to an increase in projected losses. Noninterest expense decreased $\$ 77$ million, or 28 percent, to $\$ 203$ million driven by lower FDIC and merchant processing expenses.

Average loans decreased $\$ 3.9$ billion, or 14 percent, primarily driven by the net transfer of certain loans to other businesses, higher prepayments and continued run-off of non-core portfolios. Average deposits increased $\$ 1.7$ billion, or four percent, due to the current client preference for liquidity and the net transfer of certain deposits from other businesses.

Nine Months Ended September 30, 2012 Compared to Nine Months Ended September 30, 2011

Net income for Business Banking decreased $\$ 129$ million to $\$ 229$ million driven by the same factors as described in the three-month discussion above. Average loans decreased $\$ 3.4$ billion and average deposits increased $\$ 2.5$ billion driven by the same factors as described in the three-month discussion above.

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Consumer Real Estate Services
Three Months Ended September 30

|  | Home Loans |  | Legacy Assets \& Servicing |  |  |  | Total Consumer Real Estate Services |  |  | \% Change |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| (Dollars in millions) | 2012 | 2011 |  | 2012 | 2011 |  | 2012 | 2011 |  |  |
| Net interest income (FTE basis) | \$336 | \$446 |  | \$393 | \$476 |  | \$729 | \$922 |  | (21)\% |
| Noninterest income: |  |  |  |  |  |  |  |  |  |  |
| Mortgage banking income | 853 | 656 |  | 1,339 | 1,144 |  | 2,192 | 1,800 |  | 22 |
| Insurance income | 1 | 23 |  | - | - |  | 1 | 23 |  | (96 |
| All other income (loss) | (11 | ) 42 |  | 185 | 35 |  | 174 | 77 |  | 126 |
| Total noninterest income | 843 | 721 |  | 1,524 | 1,179 |  | 2,367 | 1,900 |  | 25 |
| Total revenue, net of interest expense (FTE basis) | 1,179 | 1,167 |  | 1,917 | 1,655 |  | 3,096 | 2,822 |  | 10 |
| Provision for credit losses | (23 | ) 50 |  | 287 | 868 |  | 264 | 918 |  | (71 |
| Noninterest expense | 783 | 1,068 |  | 3,441 | 2,758 |  | 4,224 | 3,826 |  | 10 |
| Income (loss) before income taxe | 419 | 49 |  | (1,811 | ) $(1,971$ | ) | (1,392 | ) $(1,922$ | ) | (28 |
| Income tax expense (benefit) (FTE basis) | 155 | 18 |  | (670 | ) (819 | ) | (515 | ) (801 | ) | (36 |
| Net income (loss) | \$264 | \$31 |  | \$(1,141 | ) $\$(1,152$ | ) | \$(877 | ) $\$(1,121$ | ) | (22 |
| Net interest yield (FTE basis) | 2.37 | \%2.57 | \% | 2.45 | \%2.35 | \% | 2.41 | \% 2.45 | \% |  |
| Efficiency ratio (FTE basis) | 66.41 | 91.52 |  | $\mathrm{n} / \mathrm{m}$ | $\mathrm{n} / \mathrm{m}$ |  | $\mathrm{n} / \mathrm{m}$ | $\mathrm{n} / \mathrm{m}$ |  |  |

Balance Sheet

Average
Total loans and leases $\quad \$ 49,561 \quad \$ 54,858 \quad \$ 54,147 \quad \$ 65,221 \quad \$ 103,708 \quad \$ 120,079 \quad(14)$
Total earning assets
Total assets
Allocated equity
Economic capital

| $\$ 49,561$ | $\$ 54,858$ | $\$ 54,147$ | $\$ 65,221$ | $\$ 103,708$ | $\$ 120,079$ | $(14$ | $)$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 56,285 | 68,815 | 63,863 | 80,362 | 120,148 | 149,177 | $(19$ | $)$ |
| 57,370 | 71,422 | 84,409 | 111,421 | 141,779 | 182,843 | $(22$ | $)$ |
| n/a | n/a | n/a | n/a | 13,332 | 14,240 | $(6$ | $)$ |
| n/a | n/a | n/a | n/a | 13,332 | 14,240 | $(6$ | $)$ |

$\mathrm{n} / \mathrm{m}=$ not meaningful
$\mathrm{n} / \mathrm{a}=$ not applicable

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| (Dollars in millions) | Nine Months Ended September 30 |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Home Loans |  |  | Legacy Assets \& Servicing |  |  | Total Consumer Real Estate Services |  |  | \% <br> Change |
|  | 2012 | 2011 |  | 2012 | 2011 |  | 2012 | 2011 |  |  |
| Net interest income (FTE basis) | \$ 1,013 | \$ 1,444 |  | \$1,205 | \$ 954 |  | \$2,218 | \$ 2,398 |  | (8)\% |
| Noninterest income: |  |  |  |  |  |  |  |  |  |  |
| Mortgage banking income (loss) | 2,394 | 1,873 |  | 3,440 | (12,396 | ) | 5,834 | (10,523 | ) | n/m |
| Insurance income | 8 | 753 |  | - | - |  | 8 | 753 |  | (99 |
| All other income (loss) | (22 | ) 871 |  | 253 | 71 |  | 231 | 942 |  | (75 |
| Total noninterest income (loss) | 2,380 | 3,497 |  | 3,693 | (12,325 | ) | 6,073 | (8,828 | ) | $\mathrm{n} / \mathrm{m}$ |
| Total revenue, net of interest expense (FTE basis) | 3,393 | 4,941 |  | 4,898 | (11,371 | ) | 8,291 | (6,430 | ) | $\mathrm{n} / \mathrm{m}$ |
| Provision for credit losses | (5 | 171 |  | 962 | 3,352 |  | 957 | 3,523 |  | (73 |
| Goodwill impairment | - | - |  | - | 2,603 |  | - | 2,603 |  | n/m |
| All other noninterest expense | 2,430 | 3,837 |  | 9,248 | 10,782 |  | 11,678 | 14,619 |  | (20 |
| Income (loss) before income taxes | 968 | 933 |  | (5,312 | ) $(28,108$ | ) | (4,344 | ) $(27,175$ | ) | (84 |
| Income tax expense (benefit) (FTE basis) | 357 | 346 |  | (1,915 | ) $(9,498$ | ) | (1,558 | ) $(9,152$ | ) | (83 |
| Net income (loss) | \$611 | \$ 587 |  | \$(3,397 | \$ (18,610 |  | \$(2,786 | ) $\$(18,023$ |  | (85 ) |
| Net interest yield (FTE basis) | 2.37 | \%2.65 | \% | 2.35 | \% 1.46 | \% | 2.36 | \% 2.00 | \% |  |
| Efficiency ratio (FTE basis) | 71.62 | 77.66 |  | $\mathrm{n} / \mathrm{m}$ | $\mathrm{n} / \mathrm{m}$ |  | $\mathrm{n} / \mathrm{m}$ | $\mathrm{n} / \mathrm{m}$ |  |  |

Balance Sheet

Average
Total loans and leases
Total earning assets
Total assets
Allocated equity
Economic capital

| $\$ 50,598$ | $\$ 54,785$ | $\$ 56,453$ | $\$ 65,987$ | $\$ 107,051$ | $\$ 120,772$ | $(11$ | $)$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 57,206 | 72,765 | 68,498 | 87,214 | 125,704 | 159,979 | $(21$ | $)$ |
| 58,202 | 73,705 | 92,984 | 122,931 | 151,186 | 196,636 | $(23$ | $)$ |
| n/a | n/a | n/a | n/a | 14,077 | 16,688 | $(16$ | $)$ |
| n/a | n/a | n/a | n/a | 14,077 | 14,884 | $(5$ | $)$ |

Period end
Total loans and leases
Total earning assets
Total assets
$\mathrm{n} / \mathrm{m}=$ not meaningful
$\mathrm{n} / \mathrm{a}=$ not applicable
September 3lecember 31 September 3lecember 31 September 3December 31

| 2012 | 2011 | 2012 | 2011 | 2012 | 2011 |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $\$ 48,865$ | $\$ 52,371$ | $\$ 51,025$ | $\$ 59,988$ | $\$ 99,890$ | $\$ 112,359$ | $(11$ | $)$ |
| 56,137 | 58,819 | 58,088 | 73,562 | 114,225 | 132,381 | $(14$ | $)$ |
| 57,335 | 59,647 | 82,031 | 104,065 | 139,366 | 163,712 | $(15$ | $)$ |

CRES operations include Home Loans and Legacy Assets \& Servicing. This alignment allows CRES management to lead the ongoing home loan business while also providing greater focus on legacy mortgage issues and servicing activities. Effective January 1, 2012, servicing activities previously recorded in Home Loans were moved to Legacy Assets \& Servicing, and results of MSR activities, including net hedge results, and goodwill were moved from what was formerly referred to as Other within CRES to Legacy Assets \& Servicing. Prior period amounts have been
reclassified to conform to the current period presentation.
CRES 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 retain MSRs and the Bank of America customer relationships, or are held on our balance sheet in All Other for ALM purposes. HELOC and home equity loans are retained on the CRES balance sheet in Home Loans and Legacy Assets \& Servicing. CRES, through Legacy Assets \& Servicing, services mortgage loans, including those loans it owns, loans owned by other business segments and All Other, and loans owned by outside investors.

The financial results of the on-balance sheet loans are reported in the business segment that owns the loans or All Other. CRES is not impacted by the Corporation's first mortgage production retention decisions as CRES is compensated for loans held for ALM purposes on a management accounting basis, with a corresponding offset recorded in All Other, and is also compensated for servicing loans owned by other business segments and All Other.

CRES includes the impact of transferring customers and their related loan balances between GWIM and CRES based on client segmentation thresholds. For more information on the migration of customer balances, see GWIM on page 52.

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CRES Results
Three Months Ended September 30, 2012 Compared to Three Months Ended September 30, 2011
The net loss for CRES decreased $\$ 244$ million to $\$ 877$ million primarily driven by lower provision for credit losses and higher mortgage banking income, partially offset by higher Legacy Assets \& Servicing expenses. Mortgage banking income increased $\$ 392$ million due to more favorable MSR results, net of hedges, and higher production income. The provision for credit losses decreased $\$ 654$ million due to improved portfolio trends in both the non-PCI and PCI home equity loan portfolios in Legacy Assets \& Servicing. Noninterest expense increased $\$ 398$ million primarily due to higher expenses in Legacy Assets \& Servicing, partially offset by lower production expenses in Home Loans.

Average economic capital decreased six percent due to a reduction in credit risk driven by lower loan balances in the home equity portfolio.

Nine Months Ended September 30, 2012 Compared to Nine Months Ended September 30, 2011
The net loss for CRES decreased $\$ 15.2$ billion to $\$ 2.8$ billion primarily driven by higher mortgage banking income due to a significantly lower representations and warranties provision, lower provision for credit losses and a decline in noninterest expense. Mortgage banking income increased $\$ 16.4$ billion primarily due to a $\$ 14.3$ billion decrease in representations and warranties expense in Legacy Assets \& Servicing. The provision for credit losses decreased \$2.6 billion due to improved portfolio trends in both the non-PCI and PCI home equity loan portfolios. Noninterest expense, excluding goodwill impairment, decreased $\$ 2.9$ billion due to lower expenses in Legacy Assets \& Servicing and lower production and insurance expenses in Home Loans.

Average economic capital decreased five percent primarily due to a reduction in operational risk driven by the sale of Balboa and a reduction in credit risk. For more information regarding economic capital, see Supplemental Financial Data on page 19.

Home Loans
Home Loans products are available to our customers through our retail network of approximately 5,500 banking centers, mortgage loan officers in approximately 400 locations and a sales force offering our customers direct telephone and online access to our products. These products were also offered through our correspondent lending channel which we exited in the second half of 2011 and the reverse mortgage origination business which we exited in the first half of 2011. These strategic changes were made to allow greater focus on our direct-to-consumer channels, deepen relationships with existing customers and use mortgage products to acquire new relationships.

Home Loans includes ongoing loan production activities and the CRES home equity portfolio not originally selected for inclusion in the Legacy Assets \& Servicing portfolio. Home Loans also included insurance operations through June 30, 2011, when the ongoing insurance business was transferred to CBB following the sale of Balboa.

Three Months Ended September 30, 2012 Compared to Three Months Ended September 30, 2011
Home Loans net income increased $\$ 233$ million to $\$ 264$ million primarily driven by lower noninterest expense, higher mortgage banking income and lower provision for credit losses, partially offset by lower net interest income. Net interest income decreased $\$ 110$ million primarily driven by lower LHFS balances due to our exit from the correspondent lending channel. Mortgage banking income increased $\$ 197$ million driven by an increase in core loan production due to higher retail originations and margins. The provision for credit losses decreased $\$ 73$ million driven
by improved portfolio trends. Noninterest expense decreased $\$ 285$ million primarily due to lower production expense driven largely by our exit from the correspondent lending channel and cost efficiencies in the retail channel.

Nine Months Ended September 30, 2012 Compared to Nine Months Ended September 30, 2011
Home Loans net income increased $\$ 24$ million to $\$ 611$ million primarily driven by decreases in noninterest expense and the provision for credit losses, offset by lower revenue. The $\$ 1.5$ billion decline in revenue was the result of $\$ 745$ million lower insurance income as a result of the Balboa sale and a $\$ 431$ million decline in net interest income driven by the same factors as described in the three-month discussion above. In addition, a net $\$ 752$ million gain on the sale of Balboa in 2011 contributed to the decline in revenue. These drivers were offset by an increase of $\$ 521$ million in mortgage banking income as higher retail margins more than offset lower originations. The $\$ 176$ million decline in the provision for credit losses and $\$ 1.4$ billion decline in noninterest expense were driven by the same factors as described in the three-month discussion above. Also contributing to the decline in noninterest expense was lower insurance expense as a result of the sale of Balboa.

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Legacy Assets \& Servicing
Legacy Assets \& Servicing is responsible for servicing the residential, home equity and discontinued real estate loan portfolios, including owned loans and loans serviced for others. Legacy Assets \& Servicing is also responsible for managing mortgage-related legacy exposures, including exposures related to selected owned residential mortgage, home equity and discontinued real estate loan portfolios (collectively, the Legacy Assets \& Servicing portfolio). For additional information, see Legacy Assets \& Servicing Portfolio below.

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 Assets \& Servicing portfolio, the financial results of the servicing operations and the results of MSR activities, including net hedge results, together with any related assets or liabilities used as economic hedges. The financial results of the servicing operations reflect certain revenues and expenses on loans serviced for others, including owned loans serviced for Home Loans and All Other. Legacy Assets \& Servicing is compensated for servicing such loans on a management accounting basis with a corresponding offset recorded in Home Loans 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 a backlog of foreclosure inventory in judicial states. For additional information on our servicing activities, including the impact of foreclosure delays, see Off-Balance Sheet Arrangements and Contractual Obligations - Servicing Matters and Foreclosure Processes on page 67 and Off-Balance Sheet Arrangements and Contractual Obligations - Other Mortgage-related Matters on page 40 of the MD\&A of the Corporation's 2011 Annual Report on Form 10-K.

Three Months Ended September 30, 2012 Compared to Three Months Ended September 30, 2011
The Legacy Assets \& Servicing results were relatively unchanged at a net loss of $\$ 1.1$ billion as a $\$ 345$ million increase in noninterest income and a $\$ 581$ million reduction in the provision for credit losses were largely offset by a $\$ 683$ million increase in noninterest expense. Noninterest income increased due to higher mortgage banking income of $\$ 195$ million and an increase of $\$ 150$ million in other income due to gains on the sales of certain ancillary servicing business units. The provision for credit losses decreased due to improved portfolio trends in the non-PCI home equity portfolio and an improved home price outlook in the home equity PCI loan portfolio, partially offset by the impact of new regulatory guidance regarding the treatment of loans discharged in Chapter 7 bankruptcy. For more information on the new regulatory guidance, see Consumer Portfolio Credit Risk Management on page 86.

Noninterest expense increased $\$ 683$ million primarily due to an increase of $\$ 768$ million in default-related servicing expenses and a $\$ 134$ million increase in litigation expense, partially offset by a $\$ 219$ million decline in mortgage-related assessments, waivers and similar costs related to foreclosure delays. We believe default-related servicing costs peaked during the third quarter of 2012 and we expect them to decline in the fourth quarter of 2012, with the decline accelerating 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.

Nine Months Ended September 30, 2012 Compared to Nine Months Ended September 30, 2011
The Legacy Assets \& Servicing net loss decreased $\$ 15.2$ billion to $\$ 3.4$ billion driven by a $\$ 15.8$ billion increase in mortgage banking income, a $\$ 4.1$ billion decrease in noninterest expense and a $\$ 2.4$ billion decrease in the provision for credit losses. The increase in mortgage banking income was due to a decrease of $\$ 14.3$ billion in representations and warranties expense as the provision of $\$ 15.3$ billion in the year-ago period included $\$ 8.6$ billion in provision and other expenses related to the BNY Mellon Settlement to resolve nearly all of the legacy Countrywide-issued first-lien non-GSE repurchase exposures, and $\$ 6.7$ billion in provision related to other non-GSE, and to a lesser extent, GSE exposures. The provision for credit losses decreased due to the same factors as described in the three-month discussion above.

Noninterest expense decreased $\$ 4.1$ billion primarily due to a $\$ 2.6$ billion goodwill impairment charge in 2011, a $\$ 2.2$ billion decline in litigation expense and $\$ 1.4$ billion lower mortgage-related assessments, waivers and similar costs related to foreclosure delays. These declines were partially offset by an increase of $\$ 2.1$ billion in default-related servicing expenses due to resources needed to implement new servicing standards mandated for the industry, including as part of the National Mortgage Settlement, other operational changes and costs due to delayed foreclosures.

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Legacy Assets \& Servicing Portfolio
The Legacy Assets \& Servicing portfolio includes owned residential mortgage loans, home equity loans and discontinued real estate loans that would not have been originated under our underwriting standards at December 31, 2010. The Countrywide PCI portfolio 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 Assets \& Servicing portfolio. The residential mortgage and discontinued real estate loans are held primarily on the balance sheet of All Other and the home equity loans are held in Legacy Assets \& Servicing. Since determining the pool of owned loans to be included in the Legacy Assets \& Servicing portfolio as of January 1, 2011, the criteria have not changed for this portfolio. However, the criteria for inclusion of certain assets and liabilities in the Legacy Assets \& Servicing portfolio will continue to be evaluated over time.

The total owned loans in the Legacy Assets \& Servicing portfolio decreased $\$ 18.2$ billion to $\$ 136.7$ billion at September 30, 2012 compared to $\$ 154.9$ billion at December 31, 2011, of which $\$ 51.0$ billion of the September 30, 2012 balance was reflected on the balance sheet of Legacy Assets \& Servicing within CRES and the remainder held on the balance sheet of All Other. The decline was primarily related to paydowns and payoffs, but also reflects forgiveness of loans in connection with the National Mortgage Settlement, and charge-offs recorded on loans discharged in Chapter 7 bankruptcy under new regulatory guidance issued during the third quarter of 2012. For more information on the National Mortgage Settlement and the new regulatory guidance, see Consumer Portfolio Credit Risk Management on page 86.

Mortgage Banking Income
CRES mortgage banking income is categorized into production and servicing income. Core production income is comprised of revenue from the fair value gains and losses recognized on our interest rate lock commitments (IRLCs) and LHFS, the related secondary market execution, and costs related to representations and warranties in the sales transactions along with other obligations incurred in the sales of mortgage loans. 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 economic hedge activities. 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

|  | Three Months Ended September 30 |  |  | Nine Months Ended September 30 |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| (Dollars in millions) | 2012 |  | 2011 |  | 2012 |  | 2011 |
| Production income (loss): |  |  |  |  |  |  |  |
| Core production revenue | \$942 |  | \$803 |  | \$2,756 |  | \$2,295 |
| Representations and warranties provision | (307 | ) | (278 | ) | (984 | ) | (15,328 |
| Total production income (loss) | 635 |  | 525 |  | 1,772 |  | (13,033 |
| Servicing income: |  |  |  |  |  |  |  |
| Servicing fees | 1,088 |  | 1,538 |  | 3,622 |  | 4,700 |
| Impact of customer payments ${ }^{(1)}$ | (346 | ) | (664 | ) | (1,149 | ) | (2,009 |
| Fair value changes of MSRs, net of economic hedge results ${ }^{(2)}$ | 560 |  | 360 |  | 948 |  | (510 |
| Other servicing-related revenue | 255 |  | 41 |  | 641 |  | 329 |
| Total net servicing income | 1,557 |  | 1,275 |  | 4,062 |  | 2,510 |


| Total CRES mortgage banking income (loss) | 2,192 | 1,800 | 5,834 | $(10,523$ | $)$ |
| :--- | :--- | :--- | :--- | :--- | :--- |
| Eliminations $^{(3)}$ | $(173$ | $)$ | $(183$ | $)$ | $(544$ |
| Total consolidated mortgage banking income (loss) | $\$ 2,019$ | $\$ 1,617$ | $\$ 5,290$ | $\$(10,949$ | $)$ |

${ }_{(1)}$ 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.

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Three Months Ended September 30, 2012 Compared to Three Months Ended September 30, 2011
CRES first mortgage loan originations declined $\$ 14.9$ billion, or 49 percent, primarily as a result of our exit from the correspondent lending channel in 2011. Core production revenue increased $\$ 139$ million to $\$ 942$ million due to higher direct retail originations and margins. CRES retail first mortgage loan originations were $\$ 15.6$ billion compared to $\$ 14.5$ billion, excluding correspondent lending, reflecting a drop in estimated retail market share as the overall market for mortgages increased. Our decline in market share was primarily due to our decisions to price loan products in order to manage demand. The decline in mortgage originations was offset by the increase in margins on retail originations primarily as a result of these pricing strategies and a change in the mix of loan products. During the three months ended September 30, 2012, 83 percent of our first mortgage production volume was for refinance originations and 17 percent was for purchase originations compared to 53 percent and 47 percent in 2011.

Net servicing income increased $\$ 282$ million to $\$ 1.6$ billion primarily due to the reduced impact of customer payments driven by a lower MSR asset, and improved MSR results, net of hedges. The improved MSR results, net of hedges, were partially offset by lower servicing fees primarily due to a reduction in the size of the servicing portfolio and lower servicing fee rates.

Nine Months Ended September 30, 2012 Compared to Nine Months Ended September 30, 2011
CRES first mortgage loan originations declined $\$ 79.3$ billion, or 65 percent, primarily as a result of our exit from the correspondent lending channel in 2011 and a decline in retail production. Core production revenue increased $\$ 461$ million to $\$ 2.8$ billion due to higher direct retail margins. CRES retail first mortgage loan originations were $\$ 42.0$ billion compared to $\$ 56.2$ billion, excluding correspondent lending, reflecting a drop in estimated retail market share as the overall market for mortgages increased. Our decline in market share was primarily due to our decisions to price loan products in order to manage demand. The impact of our exit from the correspondent lending channel and the decline in retail originations were offset by higher retail margins primarily driven by our pricing strategies and a change in the mix of loan products. During the nine months ended September 30, 2012, 83 percent of our first mortgage production volume was for refinance originations and 17 percent was for purchase originations compared to 59 percent and 41 percent in 2011. Since March 31, 2012, the estimated retail market share for CRES has increased primarily due to expanded fulfillment capacity.

The representations and warranties provision decreased $\$ 14.3$ billion to $\$ 984$ million as the provision of $\$ 15.3$ billion in the year-ago period included $\$ 8.6$ billion in provision and other expenses related to the BNY Mellon Settlement to resolve nearly all of the legacy Countrywide-issued first-lien non-GSE repurchase exposures, and $\$ 6.7$ billion in provision related to other non-GSE, and to a lesser extent, GSE exposures.

Net servicing income increased $\$ 1.6$ billion to $\$ 4.1$ billion primarily due to the factors described in the three-month discussion above. For additional information, see Note 18 - Mortgage Servicing Rights to the Consolidated Financial Statements.

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Key Statistics
(Dollars in millions, except as noted)
Loan production
Total Corporation ${ }^{(1)}$ :
First mortgage
First mortgage (excluding correspondent lending)
Home equity
CRES:
First mortgage
First mortgage (excluding correspondent lending)
Home equity

| Three Months Ended <br> September 30 <br> 2012 | 2011 |
| :--- | :--- |
|  |  |
|  |  |
| $\$ 20,315$ | $\$ 33,038$ |
| 20,315 | 17,131 |
| 933 | 847 |
|  |  |
| $\$ 15,566$ | $\$ 30,448$ |
| 15,566 | 14,541 |
| 746 | 660 |

Period end
Mortgage servicing portfolio (in billions) ${ }^{(2)}$
Mortgage loans serviced for investors (in billions)
Mortgage servicing rights:
Balance
Capitalized mortgage servicing rights (\% of loans serviced for investors)
${ }_{\text {(1) }}$ 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, home equity loans and discontinued real estate mortgage loans.
Retail first mortgage production for the total Corporation was $\$ 20.3$ billion and $\$ 53.6$ billion for the three and nine months ended September 30, 2012 compared to $\$ 17.1$ billion and $\$ 65.2$ billion for the same periods in 2011, excluding correspondent lending. The increase of $\$ 3.2$ billion for the three-month period was primarily driven by increased volume in the mortgage market. The decrease of $\$ 11.6$ billion for the nine-month period was primarily driven by a strategic decision to price loan products in order to manage our fulfillment capacity.

Home equity production was $\$ 933$ million and $\$ 2.6$ billion for the three and nine months ended September 30, 2012 compared to $\$ 847$ million and $\$ 3.6$ billion for the same periods in 2011 primarily due to our decision to exit the reverse mortgage origination business.

## Mortgage Servicing Rights

At September 30, 2012, the consumer MSR balance was $\$ 5.1$ billion, which represented 45 bps of the related unpaid principal balance compared to $\$ 7.4$ billion or 54 bps of the related unpaid principal balance at December 31, 2011. The consumer MSR balance decreased $\$ 621$ million during the three months ended September 30, 2012 primarily driven by lower mortgage rates, which resulted in higher forecasted prepayment speeds and the change in the MSR asset value due to customer payments received during the period. Fair value changes of MSRs, net of economic hedge results, were $\$ 560$ million and $\$ 948$ million for the three and nine months ended September 30, 2012. During the three months ended September 30, 2012, the positive hedge results more than offset the market valuation decline. The hedges outperformed the MSRs due to significant upward price movements in the MBS market near the end of the third quarter. For more information, see Executive Summary - Third Quarter 2012 Economic and Business Environment on page 7. For additional information on our servicing activities, see Off-Balance Sheet Arrangements and Contractual Obligations - Servicing Matters and Foreclosure Processes on page 67. For additional information on

MSRs, see Note 18 - Mortgage Servicing Rights to the Consolidated Financial Statements.

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Global Banking

| (Dollars in millions) | 2012 |  | 2011 |  | \% Change 2012 |  |  | 2011 |  |  | \% Change |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Net interest income (FTE basis) | \$2,264 |  | \$2,323 |  | (3 |  | \$6,847 |  | \$7,181 |  | (5 | )\% |
| Noninterest income: |  |  |  |  |  |  |  |  |  |  |  |  |
| Service charges | 796 |  | 828 |  | (4 | ) | 2,418 |  | 2,618 |  | (8) | ) |
| Investment banking fees | 662 |  | 616 |  | 7 |  | 1,945 |  | 2,431 |  | (20 | ) |
| All other income | 425 |  | 184 |  | 131 |  | 1,672 |  | 1,081 |  | 55 |  |
| Total noninterest income | 1,883 |  | 1,628 |  | 16 |  | 6,035 |  | 6,130 |  | (2 | ) |
| Total revenue, net of interest expense (FTE basis) | 4,147 |  | 3,951 |  | 5 |  | 12,882 |  | 13,311 |  | (3) | ) |
| Provision for credit losses | 68 |  | (182 | ) | $\mathrm{n} / \mathrm{m}$ |  | (283 | ) | (862 | ) | (67 | ) |
| Noninterest expense | 2,023 |  | 2,217 |  | (9 | ) | 6,364 |  | 6,748 |  | (6 | ) |
| Income before income taxes | 2,056 |  | 1,916 |  | 7 |  | 6,801 |  | 7,425 |  | (8) | ) |
| Income tax expense (FTE basis) | 761 |  | 710 |  | 7 |  | 2,509 |  | 2,716 |  | (8) | ) |
| Net income | \$1,295 |  | \$1,206 |  | 7 |  | \$4,292 |  | \$4,709 |  | (9 | ) |
| Net interest yield (FTE basis) | 2.92 | \% | 3.06 | \% |  |  | 3.02 | \% | 3.34 | \% |  |  |
| Return on average allocated equity | 11.15 |  | 10.03 |  |  |  | 12.47 |  | 13.17 |  |  |  |
| Return on average economic capital | 24.14 |  | 20.87 |  |  |  | 27.18 |  | 27.06 |  |  |  |
| Efficiency ratio (FTE basis) | 48.74 |  | 56.12 |  |  |  | 49.40 |  | 50.70 |  |  |  |

Balance Sheet
Average
Total loans and lease
Total earning assets
Total assets
Total deposits
Allocated equity
Economic capital

| $\$ 267,390$ | $\$ 268,174$ | - |  | $\$ 270,747$ | $\$ 261,766$ | 3 |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 308,357 | 301,384 | 2 |  | 302,493 | 287,388 | 5 |  |
| 355,670 | 348,087 | 2 |  | 348,461 | 333,995 | 4 |  |
| 252,226 | 246,395 | 2 |  | 243,028 | 236,151 | 3 |  |
| 46,223 | 47,682 | $(3$ | $)$ | 45,967 | 47,820 | $(4$ | $)$ |
| 21,371 | 22,958 | $(7$ | $)$ | 21,111 | 23,291 | $(9)$ | $)$ |

Period end
Total loans and leases
Total earning assets
Total assets
Total deposits
$\mathrm{n} / \mathrm{m}=$ 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, underwriting and advisory services through our network of offices and client relationship teams along with various product partners. Our lending products and services include commercial loans, leases, commitment facilities, trade finance, real estate lending, asset-based lending and 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, federal and state governments, and municipalities. Global Corporate Banking includes large global corporations, financial institutions and leasing clients.

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Three Months Ended September 30, 2012 Compared to Three Months Ended September 30, 2011
Net income increased $\$ 89$ million to $\$ 1.3$ billion driven by an increase in revenue of $\$ 196$ million, or five percent, primarily due to gains on the fair value option loan book and lower noninterest expense, partially offset by an increase in the provision for credit losses.

The provision for credit losses was $\$ 68$ million compared to a benefit of $\$ 182$ million for the same period in 2011 primarily driven by stabilization in asset quality and core commercial loan growth in the portfolio.

Noninterest expense decreased $\$ 194$ million, or nine percent, to $\$ 2.0$ billion primarily due to lower personnel expenses and operational costs.

Average loans and leases were relatively unchanged as managed reductions in the commercial real estate portfolio and run-off of a liquidating auto loan portfolio were partially offset by growth in U.S. and non-U.S. commercial and industrial loans. Average deposits increased $\$ 5.8$ billion, or two percent, as balances continued to grow from excess market liquidity, growth in international balances and limited alternative investment options.

The return on average economic capital increased due to a decrease in average economic capital and higher net income. Average economic capital decreased seven percent primarily due to a reduction in credit risk.

Nine Months Ended September 30, 2012 Compared to Nine Months Ended September 30, 2011
Net income decreased $\$ 417$ million to $\$ 4.3$ billion driven by an increase in the provision for credit losses and a decrease in revenue, partially offset by lower noninterest expense. Revenue decreased $\$ 429$ million, or three percent, primarily due to lower investment banking fees, lower net interest income as a result of spread compression and the benefit from accretion on certain acquired portfolios in the prior-year period, partially offset by the impact of higher average loan and deposit balances and gains from certain legacy portfolios.

The provision for credit losses was a benefit of $\$ 283$ million compared to a benefit of $\$ 862$ million for the same period in 2011 primarily driven by the same factors as described in the three-month discussion above as well as the accelerated rate of loan resolutions in the commercial real estate portfolio in the prior-year period.

Noninterest expense decreased $\$ 384$ million, or six percent, to $\$ 6.4$ billion primarily driven by the same factors as described in the three-month discussion above.

Average loans and leases increased $\$ 9.0$ billion, or three percent, primarily driven by growth in U.S. and non-U.S. commercial and industrial loans in large corporate, middle market and trade finance, partially offset by managed reductions in commercial real estate. Average deposits increased $\$ 6.9$ billion, or three percent, primarily driven by the same factors as described in the three-month discussion above.

The return on average economic capital increased marginally as a decrease in average economic capital was partially offset by lower net income. Average economic capital decreased primarily due to a reduction in credit risk. For more information regarding economic capital, see Supplemental Financial Data on page 19.

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Global Corporate and Global Commercial Banking
Global Corporate and Global Commercial Banking includes Global Treasury Services and Business Lending activities. Global Treasury Services includes deposit, treasury management, credit card, foreign exchange, short-term investment and custody solutions to corporate and commercial banking clients. Business Lending includes various loan-related products and services including commercial loans, leases, commitment facilities, trade financing, real estate lending, asset-based lending and 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 September 30 |  |  |  |  |  |  |  |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Global Corporate Banking |  |  |  |  |  |  | Global Commercial <br> Banking <br> (Dollars in millions) | 2012 | 2011 | 2012 | 2011 | Total |

Average

| Total loans and leases | $\$ 107,300$ | $\$ 106,369$ | $\$ 159,206$ | $\$ 160,779$ | $\$ 266,506$ | $\$ 267,148$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Total deposits | 116,064 | 114,130 | 136,128 | 132,215 | 252,192 | 246,345 |


|  | Nine Months Ended September 30 |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  | 2012 | 2011 | 2012 | 2011 | 2012 | 2011 |
| Revenue |  |  |  |  |  |  |
| Global Treasury Services <br> Business Lending | $\$ 1,913$ | $\$ 1,875$ | $\$ 2,731$ | $\$ 2,649$ | $\$ 4,644$ | $\$ 4,524$ |
| Total revenue, net of interest <br> expense | 2,509 | 2,547 | 3,400 | 3,750 | 5,909 | 6,297 |
|  | $\$ 4,422$ | $\$ 4,422$ | $\$ 6,131$ | $\$ 6,399$ | $\$ 10,553$ | $\$ 10,821$ |
| Average |  |  |  |  |  |  |
| Total loans and leases <br> Total deposits | $\$ 109,526$ | $\$ 98,129$ | $\$ 160,577$ | $\$ 162,501$ | $\$ 270,103$ | $\$ 260,630$ |
|  | 110,148 | 109,311 | 132,851 | 126,792 | 242,999 | 236,103 |
| Period end <br> Total loans and leases <br> Total deposits | $\$ 107,897$ | $\$ 110,752$ | $\$ 162,541$ | $\$ 161,811$ | $\$ 270,438$ | $\$ 272,563$ |
|  | 122,551 | 106,394 | 137,433 | 130,115 | 259,984 | 236,509 |

Global Corporate and Global Commercial Banking revenue was relatively unchanged for the three months ended September 30, 2012 and decreased $\$ 268$ million to $\$ 10.6$ billion for the nine months ended September 30, 2012 compared to the same periods in 2011.

Global Treasury Services revenue increased $\$ 32$ million in Global Corporate Banking and $\$ 17$ million in Global Commercial Banking for the three months ended September 30, 2012 as growth in U.S. and non-U.S. deposit volumes was offset by the impact of the low rate environment. Global Treasury Services revenue increased $\$ 38$ million in Global Corporate Banking and $\$ 82$ million in Global Commercial Banking for the nine months ended September 30, 2012 primarily driven by the same factors.

Business Lending revenue in Global Corporate Banking was relatively unchanged for the three months ended September 30, 2012 as gains in the fair value option loan book were offset by lower net interest income. Business Lending revenue in Global Corporate Banking declined $\$ 38$ million for the nine months ended September 30, 2012 from lower net interest income impacted by the low rate environment and lower accretion on acquired portfolios, partially offset by the gains in the fair value option loan book. Business Lending revenue declined $\$ 24$ million and $\$ 350$ million in Global Commercial Banking for the three and nine months ended September 30, 2012 as managed reductions of commercial real estate criticized assets and run-off of a liquidating auto loan portfolio, and lower accretion on acquired portfolios were partially offset by increases in the commercial and industrial loan portfolio.

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Average loans and leases in Global Corporate and Global Commercial Banking were relatively unchanged for the three months ended September 30, 2012 and increased four percent for the nine months ended September 30, 2012 compared to the same periods in 2011. Growth in U.S. and non-U.S. commercial and industrial loans driven by continued international demand and improved domestic momentum was partially offset by managed reductions of commercial real estate criticized assets and run-off of a liquidating auto loan portfolio. Average deposits in Global Corporate and Global Commercial Banking increased two and three percent for the three and nine months ended September 30, 2012 as balances continued to grow due to excess market liquidity, international growth and limited alternative investment options.

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 income, the table below presents total Corporation investment banking income as well as the portion attributable to Global Banking.

Investment Banking Fees
(Dollars in millions)
Products
$\begin{array}{llllllllll}\text { Advisory } & \$ 206 & \$ 260 & \$ 221 & \$ 273 & \$ 710 & \$ 918 & \$ 764 & \$ 975\end{array}$
Debt issuance
Equity issuance
Gross investment banking fees
Self-led
Total investment banking fees

| Three <br> 30 | onths | ded Se | mber | Nine | nths En | Sept | ber 30 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Global |  | Total |  |  |  |  |  |
| Bankin |  | Corpora | tion |  | anking |  | n |
| 2012 | 2011 | 2012 | 2011 | 2012 | 2011 | 2012 | 2011 |
| \$206 | \$260 | \$221 | \$273 | \$710 | \$918 | \$764 | \$975 |
| 341 | 227 | 867 | 511 | 935 | 1,034 | 2,291 | 2,294 |
| 115 | 129 | 279 | 320 | 300 | 479 | 776 | 1,191 |
| 662 | 616 | 1,367 | 1,104 | 1,945 | 2,431 | 3,831 | 4,460 |
| (5 | (76 | (31 ) | (162 ) | (30 | (113 | (132 | (256 ) |
| \$657 | \$540 | \$1,336 | \$942 | \$1,915 | \$2,318 | \$3,699 | \$4,204 |

Total Corporation investment banking fees, excluding self-led deals, increased $\$ 394$ million, or 42 percent, and decreased $\$ 505$ million, or 12 percent, for the three and nine months ended September 30, 2012 compared to the same periods in 2011. Fees for the three-month period increased primarily due to strong performance in capital markets underwriting activity during the quarter. Fees for the nine-month period decreased primarily driven by lower equity underwriting and advisory fees due and an overall decline in global fee pools.

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Global Markets

| (Dollars in millions) | 2012 |  | 2011 |  | \% Change |  | 2012 | 2011 |  |  | \% Change |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Net interest income (FTE basis) | \$846 |  | \$925 |  | (9 | )\% | \$2,294 |  | \$2,819 |  | (19 | )\% |
| Noninterest income: |  |  |  |  |  |  |  |  |  |  |  |  |
| Investment and brokerage services | 425 |  | 584 |  | (27 | ) | 1,380 |  | 1,788 |  | (23 | ) |
| Investment banking fees | 553 |  | 438 |  | 26 |  | 1,546 |  | 1,788 |  | (14 | ) |
| Trading account profits | 1,238 |  | 1,420 |  | (13 | ) | 4,981 |  | 6,048 |  | (18 | ) |
| All other income (loss) | 44 |  | (73 | ) | $\mathrm{n} / \mathrm{m}$ |  | 463 |  | 537 |  | (14 | ) |
| Total noninterest income | 2,260 |  | 2,369 |  | (5 | ) | 8,370 |  | 10,161 |  | (18 | ) |
| Total revenue, net of interest expense (FTE basis) | 3,106 |  | 3,294 |  | (6 | ) | 10,664 |  | 12,980 |  | (18 | ) |
| Provision for credit losses | 21 |  | 3 |  | $\mathrm{n} / \mathrm{m}$ |  | (13 | ) | (38 | ) | (66 | ) |
| Noninterest expense | 2,545 |  | 2,966 |  | (14 | ) | 8,333 |  | 9,343 |  | (11 | ) |
| Income before income taxes | 540 |  | 325 |  | 66 |  | 2,344 |  | 3,675 |  | (36 | ) |
| Income tax expense (FTE basis) | 899 |  | 878 |  | 2 |  | 1,444 |  | 1,922 |  | (25 | ) |
| Net income (loss) | \$(359 | ) | \$(553 | ) | (35 | ) | \$900 |  | \$1,753 |  | (49 | ) |
| Return on average allocated equity | $n / m$ |  | $\mathrm{n} / \mathrm{m}$ |  |  |  | 6.87 | \% | 9.92 | \% |  |  |
| Return on average economic capita | $1 \mathrm{n} / \mathrm{m}$ |  | $\mathrm{n} / \mathrm{m}$ |  |  |  | 9.42 |  | 12.39 |  |  |  |
| Efficiency ratio (FTE basis) | 81.95 | \% | 90.02 | \% |  |  | 78.15 |  | 71.97 |  |  |  |

Balance Sheet
Average

| Total trading-related assets ${ }^{(1)}$ | $\$ 462,138$ | $\$ 489,172$ | $(6$ | $)$ | $\$ 456,932$ | $\$ 481,925$ | $(5$ | $)$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Total earning assets ${ }^{(1)}$ | 446,934 | 445,431 | - |  | 438,640 | 456,102 | $(4$ | $)$ |
| Total assets | 584,332 | 604,333 | $(3$ | $)$ | 574,993 | 603,083 | $(5$ | $)$ |
| Allocated equity | 17,068 | 21,609 | $(21$ | $)$ | 17,504 | 23,636 | $(26$ | $)$ |
| Economic capital | 12,417 | 16,954 | $(27$ | $)$ | 12,868 | 19,020 | $(32$ | $)$ |

Period end
Total trading-related assets ${ }^{(1)}$
Total earning assets ${ }^{(1)}$
Total assets
September 30 December 31
20122011
${ }^{(1)}$ Trading-related assets include assets which are not considered earning assets (i.e., derivative assets).
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 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, commercial paper, 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 48.

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Three Months Ended September 30, 2012 Compared to Three Months Ended September 30, 2011
The net loss decreased $\$ 194$ million to $\$ 359$ million. Net DVA losses were $\$ 582$ million compared to net DVA gains of $\$ 1.7$ billion. Excluding net DVA, the current-year period reflected net income of $\$ 8$ million, an increase of $\$ 1.6$ billion primarily driven by higher sales and trading revenue. Investment banking fees rose $\$ 115$ million to $\$ 553$ million due to an increase in capital markets underwriting activity. Noninterest expense decreased $\$ 421$ million, or 14 percent, to $\$ 2.5$ billion due to lower personnel-related expenses and operational costs. Income tax expense included a $\$ 781$ million charge for remeasurement of certain deferred tax assets due to decreases in the U.K. corporate tax rate compared to a similar charge of $\$ 774$ million in the prior-year period.

Average economic capital decreased due to a decline in trading risk primarily due to lower trading-related balances.
Nine Months Ended September 30, 2012 Compared to Nine Months Ended September 30, 2011
Net income decreased $\$ 853$ million to $\$ 900$ million. Net DVA losses were $\$ 2.2$ billion compared to net DVA gains of $\$ 1.5$ billion. Excluding net DVA, net income increased $\$ 1.4$ billion to $\$ 2.3$ billion primarily driven by higher sales and trading revenue. Investment banking fees decreased $\$ 242$ million to $\$ 1.5$ billion primarily driven by lower equity underwriting fees due to an overall decline in the global fee pools. Noninterest expense decreased $\$ 1.0$ billion, or 11 percent, to $\$ 8.3$ billion due to a reduction in personnel-related expenses, brokerage, clearing and exchange fees, and operational costs.

Average earning assets decreased $\$ 17.5$ billion to $\$ 438.6$ billion driven by the movement of certain equity securities to non-earning trading-related assets. At September 30, 2012, period-end earning assets were $\$ 445.2$ billion, an increase of $\$ 72.4$ billion from December 31, 2011 primarily due to client activity resulting in increases in trading-related assets and securities borrowed transactions.

Average economic capital decreased due to the same factor as described in the three-month discussion above. The return on average economic capital decreased due primarily to lower net income. For more information regarding economic capital, see Supplemental Financial Data on page 19.

## 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. The table below and related discussion present total sales and trading revenue, substantially all of which is in Global Markets with the remainder in Global Banking. Sales and trading revenue is segregated into fixed income (investment and non-investment grade corporate debt obligations, commercial mortgage-backed securities, RMBS and collateralized debt obligations (CDOs)), currencies (interest rate and foreign exchange contracts), commodities (primarily futures, forwards, swaps and options) and equity income from equity-linked derivatives and cash equity activity.

Sales and Trading Revenue ${ }^{(1,2)}$
(Dollars in millions)
Sales and trading revenue
Fixed income, currencies and commodities
Equity income
Total sales and trading revenue

| Three Months Ended September 30 |  | Nine Months Ended September 30 |  |
| :---: | :---: | :---: | :---: |
|  |  |  |  |
| 2012 | 2011 | 2012 | 2011 |
| \$2,000 | \$2,058 | \$7,261 | \$8,089 |
| 664 | 957 | 2,330 | 3,273 |
| \$2,664 | \$3,015 | \$9,591 | \$11,362 |

Sales and trading revenue, excluding net DVA
Fixed income, currencies and commodities $\quad \$ 2,534 \quad \$ 553 \quad \$ 9,219 \quad \$ 6,800$
Equity income
Total sales and trading revenue, excluding net DVA

| 712 | 753 | 2,544 | 3,087 |
| :--- | :--- | :--- | :--- |
| $\$ 3,246$ | $\$ 1,306$ | $\$ 11,763$ | $\$ 9,887$ |

Includes a FTE adjustment of $\$ 58$ million and $\$ 163$ million for the three and nine months ended September 30,
${ }^{(1)} 2012$ compared to $\$ 46$ million and $\$ 145$ million for the same periods in 2011. For additional information on sales and trading revenue, see Note 3 - Derivatives to the Consolidated Financial Statements.
(2)

Includes Global Banking sales and trading revenue of $\$ 111$ million and $\$ 473$ million for the three and nine months ended September 30, 2012 compared to $\$ 159$ million and $\$ 170$ million for the same periods in 2011.

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Three Months Ended September 30, 2012 Compared to Three Months Ended September 30, 2011
Fixed income, currencies and commodities (FICC) revenue decreased $\$ 58$ million, or three percent, to $\$ 2.0$ billion including net DVA. Net DVA losses included in FICC revenue were $\$ 534$ million compared to net DVA gains of $\$ 1.5$ billion in the year-ago period. Excluding net DVA, FICC revenue increased $\$ 2.0$ billion to $\$ 2.5$ billion due to an improved global economic climate resulting in tightening of spreads in the credit markets and increased investor confidence. Equity income decreased $\$ 293$ million, or 31 percent, to $\$ 664$ million including net DVA. Net DVA losses included in equity income were $\$ 48$ million compared to net DVA gains of $\$ 204$ million in the year-ago period. Excluding net DVA, equity income decreased $\$ 41$ million, or five percent, to $\$ 712$ million as volumes remained at low levels impacting commissions. Sales and trading revenue included total commissions and brokerage fee revenue of $\$ 425$ million ( $\$ 409$ million from equities and $\$ 16$ million from FICC) for the three months ended September 30, 2012 and $\$ 584$ million ( $\$ 557$ million from equities and $\$ 27$ million from FICC) for the three months ended September 30, 2011. The $\$ 159$ million decrease in commissions and brokerage fee revenue was primarily due to lower market volumes.

Nine Months Ended September 30, 2012 Compared to Nine Months Ended September 30, 2011
FICC revenue decreased $\$ 828$ million, or 10 percent, to $\$ 7.3$ billion including net DVA. Net DVA losses included in FICC revenue were $\$ 2.0$ billion compared to net DVA gains of $\$ 1.3$ billion in the year-ago period. Excluding net DVA, FICC revenue increased $\$ 2.4$ billion, or 36 percent, to $\$ 9.2$ billion primarily driven by our rates and currencies business as a result of stronger client flows and improved positioning, a gain on the sale of an equity investment in our mortgage business as well as improvement in the credit markets and trading environment due to the same factors described in the three-month discussion above. This was partially offset by our exit from the stand-alone proprietary trading business in June 2011. Equity income decreased $\$ 943$ million, or 29 percent, to $\$ 2.3$ billion including net DVA in the year-ago period. Net DVA losses included in equity income were $\$ 214$ million compared to net DVA gains of $\$ 186$ million in the year-ago period. Excluding net DVA, equity income decreased $\$ 543$ million, or 18 percent, to $\$ 2.5$ billion driven by the same factors described in the three-month discussion above. Sales and trading revenue included total commissions and brokerage fee revenue of $\$ 1.4$ billion ( $\$ 1.3$ billion from equities and $\$ 41$ million from FICC) for the nine months ended September 30, 2012 and $\$ 1.8$ billion ( $\$ 1.7$ billion from equities and $\$ 83$ million from FICC) for the nine months ended September 30, 2011. The $\$ 408$ million decrease was due to the same factors as described in the three-month discussion above.

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Global Wealth \& Investment Management

| (Dollars in millions) | Three Months Ended September 30 |  |  | Nine Months Ended <br> September 30 |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2012 |  | 2011 |  | \% | nge | 2012 |  | 2011 |  |  | ange |
| Net interest income (FTE basis) | \$1,458 |  | \$1,412 |  | 3 | \% | \$4,482 |  | \$4,555 |  | (2 | \% |
| Noninterest income: |  |  |  |  |  |  |  |  |  |  |  |  |
| Investment and brokerage services | 2,293 |  | 2,364 |  | (3 | ) | 6,922 |  | 7,120 |  | (3) | ) |
| All other income | 527 |  | 462 |  | 14 |  | 1,550 |  | 1,554 |  | - |  |
| Total noninterest income | 2,820 |  | 2,826 |  | - |  | 8,472 |  | 8,674 |  | (2 | ) |
| Total revenue, net of interest expense (FTE basis) | 4,278 |  | 4,238 |  | 1 |  | 12,954 |  | 13,229 |  | (2 | ) |
| Provision for credit losses | 61 |  | 162 |  | (62 | ) | 154 |  | 280 |  | (45 | ) |
| Noninterest expense | 3,355 |  | 3,500 |  | (4 | ) | 10,201 |  | 10,702 |  | (5 | ) |
| Income before income taxes | 862 |  | 576 |  | 50 |  | 2,599 |  | 2,247 |  | 16 |  |
| Income tax expense (FTE basis) | 320 |  | 214 |  | 50 |  | 960 |  | 823 |  | 17 |  |
| Net income | \$542 |  | \$362 |  | 50 |  | \$ 1,639 |  | \$1,424 |  | 15 |  |
| Net interest yield (FTE basis) | 2.22 | \% | 2.07 | \% |  |  | 2.29 | \% | 2.23 | \% |  |  |
| Return on average allocated equity | 11.42 |  | 8.06 |  |  |  | 12.14 |  | 10.72 |  |  |  |
| Return on average economic capital | 26.31 |  | 20.55 |  |  |  | 29.88 |  | 27.40 |  |  |  |
| Efficiency ratio (FTE basis) | 78.45 |  | 82.58 |  |  |  | 78.75 |  | 80.90 |  |  |  |

Balance Sheet
Average

| Total loans and leases | $\$ 106,092$ | $\$ 102,786$ | 3 |  | $\$ 104,416$ | $\$ 101,953$ | 2 | $(4)$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Total earning assets | 261,219 | 271,207 | $(4$ | $)$ | 261,148 | 272,523 | $(4)$ | $)$ |
| Total assets | 280,840 | 290,974 | $(3$ | $)$ | 280,893 | 292,562 | $(2)$ |  |
| Total deposits | 253,942 | 255,882 | $(1$ | $)$ | 252,595 | 256,667 | $(2)$ |  |
| Allocated equity | 18,871 | 17,826 | 6 |  | 18,027 | 17,772 | 1 |  |
| Economic capital | 8,271 | 7,135 | 16 | 7,407 | 7,064 | 5 |  |  |

Period end
Total loans and leases
Total earning assets
Total assets
Total deposits
September 30 December 31
20122011
\$107,500 \$ 103,460 4
263,674 263,501 -
283,949 284,062 -
$256,114 \quad 253,264 \quad 1$
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 in both domestic and international locations.
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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In the third quarter of 2012, the Corporation entered into an agreement to sell the GWIM international wealth management business with approximately $\$ 84$ billion in client balances. The sale is subject to regulatory approval in multiple jurisdictions with the first of a series of closings expected in the first quarter of 2013. The transaction is not expected to have a significant impact on the Corporation's balance sheet, results of operations or capital ratios.

Three Months Ended September 30, 2012 Compared to Three Months Ended September 30, 2011
Net income increased $\$ 180$ million to $\$ 542$ million driven by lower noninterest expense, lower provision for credit losses and higher revenue. Revenue increased $\$ 40$ million, or one percent, to $\$ 4.3$ billion primarily due to higher all other income driven by market origination revenue and higher net interest income driven by ALM activities. These were partially offset by lower investment and brokerage services revenue due to lower transactional activity. Noninterest expense decreased $\$ 145$ million, or four percent, to $\$ 3.4$ billion driven by lower FDIC expense, lower support and personnel costs, and other expense reductions, partially offset by continued investment in the business.

The provision for credit losses decreased $\$ 101$ million to $\$ 61$ million due to lower delinquencies and improving portfolio trends within the residential mortgage portfolio.

Revenue from MLGWM was $\$ 3.6$ billion, up one percent, driven by higher net interest income due to ALM activities. Revenue from U.S. Trust was relatively unchanged at $\$ 627$ million, as higher net interest income was largely offset by lower noninterest income.

The return on average economic capital increased as higher net income more than offset the increase in average economic capital. Average economic capital was higher primarily due to loan growth.

Nine Months Ended September 30, 2012 Compared to Nine Months Ended September 30, 2011
Net income increased $\$ 215$ million to $\$ 1.6$ billion driven by lower noninterest expense and lower provision for credit losses, partially offset by lower revenue. Revenue decreased $\$ 275$ million, or two percent, to $\$ 13.0$ billion driven by lower investment and brokerage services revenue due to lower transactional activity and lower net interest income driven by the impact of the continued low rate environment. Noninterest expense decreased $\$ 501$ million, or five percent, to $\$ 10.2$ billion driven by the same factors as described in the three-month discussion above.

The provision for credit losses decreased $\$ 126$ million to $\$ 154$ million due to the same factors as described in the three-month discussion above.

Revenue from MLGWM was $\$ 11.0$ billion, down two percent, and revenue from U.S. Trust was $\$ 1.9$ billion, down four percent, driven by lower noninterest income due to lower transactional revenue, and lower net interest income.

The return on average economic capital increased due to the same factors as described in the three-month discussion above. For more information regarding economic capital, see Supplemental Financial Data on page 19.

## 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. Migration in 2011 included the movement of balances to Merrill Edge, which is in CBB. Subsequent to the date of the migration, the associated net interest income, noninterest income and noninterest expense are recorded in the business to which the clients migrated.

|  | Three Months Ended September 30 |  |  | Nine Months Ended September 30 |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| (Dollars in millions) | 2012 |  | 2011 |  | 2012 |  | 2011 |  |
| Average |  |  |  |  |  |  |  |  |
| Total deposits - GWIM from / (to) CBB | \$456 |  | \$ 2,195 | ) | \$242 |  | \$ 1,870 | ) |
| Total loans - GWIM to CRES and the ALM portfolio | (281 | ) | (231 | ) | (192 | ) | (139 | ) |
| Period end |  |  |  |  |  |  |  |  |
| Total deposits - GWIM from / (to) CBB | \$5 |  | \$(438 | ) | \$656 |  | \$(2,938 | ) |
| Total loans - GWIM to CRES and the ALM portfolio | (58 | ) | (65 |  | (281 | ) | (254 | ) |

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Client Balances
The table below presents client balances which consist of assets under management (AUM), client brokerage assets, assets in custody, client deposits, and loans and leases.

Client Balances by Type
(Dollars in millions)
Assets under management
September 30 December 31
20122011
\$707,769 \$647,126
Brokerage assets $\quad 1,070,785 \quad 1,024,193$
Assets in custody $\quad 115,356 \quad 107,989$
Deposits 256,114 253,264
$\begin{array}{lll}\text { Loans and leases }{ }^{(1)} & 110,862 & \text { 106,672 }\end{array}$
Total client balances
\$2,260,886 \$2,139,244
(1)

Includes margin receivables which are classified in customer and other receivables on the Corporation's Consolidated Balance Sheet.

The increase of $\$ 121.6$ billion, or six percent, in client balances was driven primarily by higher market levels and inflows into long-term AUM.

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All Other


Balance Sheet
Average
Loans and leases:
Residential mortgag
Non-U.S. credit card
Discontinued real estate
Other
Total loans and leases
Total assets ${ }^{(1)}$
Total deposits
Allocated equity ${ }^{(2)}$

| $\$ 211,018$ | $\$ 230,094$ | $(8$ | $)$ | $\$ 216,652$ | $\$ 227,732$ | $(5$ | $)$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 13,329 | 25,434 | $(48$ | $)$ | 13,706 | 26,767 | $(49$ | $)$ |
| 9,948 | 11,871 | $(16$ | $)$ | 10,322 | 12,403 | $(17$ | $)$ |
| 15,536 | 19,354 | $(20$ | $)$ | 16,387 | 20,723 | $(21$ | $)$ |
| 249,831 | 286,753 | $(13$ | $)$ | 257,067 | 287,625 | $(11$ | $)$ |
| 276,710 | 355,705 | $(22$ | $)$ | 299,630 | 380,958 | $(21$ | $)$ |
| 26,742 | 52,742 | $(49$ | $)$ | 32,518 | 50,201 | $(35$ | $)$ |
| 86,563 | 68,672 | 26 |  | 85,689 | 70,594 | 21 |  |

Period end
September 30 December 31
Loans and leases:
Residential mortgage
Non-U.S. credit card
Discontinued real estate
Other
Total loans and leases
Total assets ${ }^{(1)}$
20122011

Total deposits

| $\$ 207,300$ | $\$ 224,654$ | $(8$ | $)$ |
| :--- | :--- | :--- | :--- |
| 13,319 | 14,418 | $(8$ | $)$ |
| 9,876 | 11,095 | $(11$ | $)$ |
| 15,760 | 17,455 | $(10$ | $)$ |
| 246,255 | 267,622 | $(8$ | $)$ |
| 263,967 | 309,578 | $(15$ | $)$ |
| 24,960 | 32,834 | $(24$ | $)$ |

${ }^{(1)}$ For presentation purposes, in segments where the total of liabilities and equity exceeds assets, which are generally deposit-taking segments, we allocate assets from All Other to those segments to match liabilities (i.e., deposits) and allocated equity. Such allocated assets were $\$ 539.0$ billion and $\$ 522.6$ billion for the three and nine months ended September 30, 2012 compared to $\$ 509.8$ billion and $\$ 499.3$ billion for the same periods in 2011, and $\$ 539.0$ billion
and $\$ 495.3$ billion at September 30, 2012 and December 31, 2011.
Represents the economic capital assigned to All Other as well as the remaining portion of equity not specifically
${ }^{(2)}$ allocated to the business segments. Allocated equity increased due to the disposition of certain assets, as previously disclosed.
$\mathrm{n} / \mathrm{m}=$ not meaningful

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All Other consists of ALM activities, equity investments, liquidating businesses 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 structured liabilities, and 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 139. Equity investments includes Global Principal Investments (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 includes strategic investments, which include our investment in CCB in which we currently hold approximately one percent of the outstanding common shares, and certain other investments. Other includes certain residential mortgage and discontinued real estate loans that are managed by Legacy Assets \& Servicing within CRES.

Three Months Ended September 30, 2012 Compared to Three Months Ended September 30, 2011
The decrease to a net loss of $\$ 1.5$ billion compared to net income of $\$ 4.7$ billion was primarily due to negative fair value adjustments on structured liabilities of $\$ 1.3$ billion related to the improvement in our credit spreads during the 2012 period compared to positive fair value adjustments of $\$ 4.5$ billion in the same period in 2011 and a $\$ 1.2$ billion decrease in equity investment income. Partially offsetting these items was a $\$ 1.0$ billion reduction in the provision for credit losses. Equity investment income decreased as the year-ago quarter included a $\$ 3.6$ billion gain on the sale of a portion of our investment in CCB, partially offset by $\$ 2.2$ billion of net losses related to equity and strategic investments other than CCB.

Noninterest expense increased $\$ 755$ million due to higher litigation expense primarily related to the costs associated with the previously announced Merrill Lynch Class Action Settlement and other litigation. For additional information, see Note 10 - Commitments and Contingencies to the Consolidated Financial Statements. Excluding litigation expense, noninterest expense decreased compared to the same period in 2011. There were no merger and restructuring expenses for the three months ended September 30, 2012 compared to $\$ 176$ million in the same period in 2011.

The provision for credit losses decreased $\$ 1.0$ billion to $\$ 390$ million primarily driven by continued improvement in credit quality in the residential mortgage portfolio, as well as the sale of the Canadian consumer credit card portfolio in the same period in 2011 and improvements in delinquencies in the remaining non-U.S. credit card portfolio.

The income tax benefit was $\$ 1.2$ billion compared to a benefit of $\$ 535$ million and changed primarily as a result of a pre-tax loss compared to pre-tax income, partially offset by the absence of prior-year benefits for a valuation allowance reduction and the recognition of certain deferred tax assets and recurring tax preference items.

Nine Months Ended September 30, 2012 Compared to Nine Months Ended September 30, 2011
The decrease to a net loss of $\$ 4.5$ billion compared to net income of $\$ 3.4$ billion was primarily due to negative fair value adjustments on structured liabilities of $\$ 4.7$ billion related to the improvement in our credit spreads during the 2012 period compared to $\$ 4.1$ billion of positive fair value adjustments in the same period in 2011 and a $\$ 3.4$ billion decrease in equity investment income. Partially offsetting these items was a $\$ 3.2$ billion reduction in the provision for credit losses and $\$ 1.7$ billion of net gains resulting from repurchases of certain debt and trust preferred securities in 2012. The decrease in equity investment income was a result of the same factors described in the three-month discussion above and also included an $\$ 836$ million CCB dividend and a $\$ 377$ million gain on the sale of an equity investment, partially offset by an additional impairment write-down of $\$ 500$ million on our merchant services joint venture in the nine-month period in 2011.

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Noninterest expense increased $\$ 1.6$ billion driven by the same factors as described in the three-month discussion above, partially offset by a decrease in personnel expense. There were no merger and restructuring expenses for the nine months ended September 30, 2012 compared to $\$ 537$ million in the same period in 2011.

The provision for credit losses decreased $\$ 3.2$ billion to $\$ 2.2$ billion driven by the same factors described in the three-month discussion above as well as lower provision related to the Countrywide PCI discontinued real estate and residential mortgage portfolios.

The income tax benefit was $\$ 3.4$ billion compared to a benefit of $\$ 1.3$ billion and changed primarily due to the same factors as described in the three-month discussion above.

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Equity Investment Activity
The tables below present the components of equity investments in All Other at September 30, 2012 and December 31, 2011, and also a reconciliation to the total consolidated equity investment income for the three and nine months ended September 30, 2012 and 2011.

Equity Investments
(Dollars in millions)
Global Principal Investments
Strategic and other investments
Total equity investments included in All Other
September 30 December 31
20122011
\$3,674 \$5,659
1,847 1,343

Equity Investment Income

|  | Three Months Ended <br> September 30 |  | Nine Months Ended <br> September 30 |  |
| :--- | :--- | :--- | :--- | :--- |
| (Dollars in millions) | 2012 | 2011 | 2012 | 2011 |
| Global Principal Investments | $\$ 156$ | $\$(1,580$ | $)$ | $\$ 422$ |
| Strategic and other investments | 9 | 2,960 | 97 | 3,747 |
| Total equity investment income included in All Other | 165 | 1,380 | 519 | 3,935 |
| Total equity investment income included in the business | 73 | 66 | 852 | 198 |
| segments | $\$ 238$ | $\$ 1,446$ | $\$ 1,371$ | $\$ 4,133$ |

Equity investments included in All Other decreased $\$ 1.5$ billion at September 30, 2012 compared to December 31, 2011, with the decrease due to sales in the GPI portfolio. In connection with the Corporation's strategy to reduce risk-weighted assets, we sold certain investments, including related commitments. GPI had unfunded equity commitments of $\$ 237$ million and $\$ 710$ million at September 30, 2012 and December 31, 2011 related to certain investments. The increase in equity investment income in the business segments for the nine months ended September 30,2012 was primarily driven by gains on the sale of an equity investment in Global Markets.

At September 30, 2012 and December 31, 2011, we owned 2.0 billion shares representing approximately one percent of CCB. In the three months ended September 30, 2012, because the sales restrictions on these shares will expire within one year, these securities were accounted for as AFS marketable equity securities and carried at fair value. As a result, a pre-tax unrealized gain of $\$ 512$ million, or $\$ 323$ million after-tax, is reflected in accumulated OCI. At September 30, 2012, the cost basis was $\$ 716$ million and the carrying value and the fair value were $\$ 1.2$ billion. During the three months ended September 30, 2011, we sold 13.1 billion common shares of our investment in CCB and recorded a gain of $\$ 3.6$ billion.

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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 10 Commitments and Contingencies to the Consolidated Financial Statements, Off-Balance Sheet Arrangements and Contractual Obligations on page 33 of the MD\&A of the Corporation's 2011 Annual Report on Form 10-K, as well as Note 13 - Long-term Debt and Note 14 - Commitments and Contingencies to the Consolidated Financial Statements of the Corporation's 2011 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 GSEs or by Government National Mortgage Association (GNMA) in the case of the 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. 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, in the loan, or of the monoline insurer or other financial guarantor (as applicable). 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 claims and exposures, see Complex Accounting Estimates - Representations and Warranties on page 149. Additionally, see Note 9 - Representations and Warranties Obligations and Corporate Guarantees and Note 14 - Commitments and Contingencies to the Consolidated Financial Statements of the Corporation's 2011 Annual Report on Form 10-K and Item 1A. Risk Factors of the Corporation's 2011 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 with a trustee (the Trustee) for certain legacy Countrywide private-label securitization trusts (the BNY Mellon Settlement); with two monoline insurers, (1) Assured Guaranty Ltd. (the Assured Guaranty Settlement), and (2) Syncora Guarantee Inc. and Syncora Holdings, Ltd. (the Syncora Settlement); and with each of the GSEs (the GSE Agreements). 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. 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, such as the Syncora Settlement, can be relied upon to predict the terms of future settlements. For a summary of the larger bulk settlement actions taken in 2010 and 2011 and the related impact on the representations and warranties provision and liability, see Note 9 Representations and Warranties Obligations and Corporate Guarantees and Note 14 - Commitments and Contingencies to the Consolidated Financial Statements of the Corporation's 2011 Annual Report on Form 10-K. These 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.

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Recent Developments Related to the BNY Mellon Settlement
The BNY Mellon Settlement is subject to final court approval and certain other conditions. Under an order entered by the state court in connection with the BNY Mellon Settlement, potentially interested persons had the opportunity to give notice of intent to object to the settlement (including on the basis that more information was needed) until August 30, 2011. Approximately 44 groups or entities appeared prior to the deadline; seven of those groups or entities have subsequently withdrawn from the proceeding and one motion to intervene was denied. Certain of these groups or entities filed notices of intent to object, made motions to intervene, or both filed notices of intent to object and made motions to intervene. The parties filing motions to intervene include the Attorneys General of the states of New York and Delaware; the Attorneys General's motions were granted on June 6, 2012.

Certain of the motions to intervene and/or notices of intent to object allege various purported bases for opposition to the settlement. These include challenges to the nature of the court proceeding and the lack of an opt-out mechanism, alleged conflicts of interest on the part of the institutional investor group and/or the Trustee, the inadequacy of the settlement amount and the method of allocating the settlement amount among the 525 legacy Countrywide first-lien and five second-lien non-GSE securitization trusts (the Covered Trusts), while other motions do not make substantive objections but state that they need more information about the settlement. Parties who filed notices stating that they wished to obtain more information about the settlement include the FDIC and the Federal Housing Finance Agency.

An investor opposed to the settlement removed the proceeding to federal district court, and the federal district court denied the Trustee's motion to remand the proceeding to state court. On February 27, 2012, the U.S. Court of Appeals issued an opinion reversing the district court denial of the Trustee's motion to remand the proceeding to state court and ordered that the proceeding be remanded to state court. On April 24, 2012, a hearing was held on threshold issues, at which the court denied the objectors' motion to convert the proceeding to a plenary proceeding. Several status hearings on discovery and other case administration matters have taken place. On August 10, 2012, the Court issued an order setting a schedule for discovery and other proceedings, and setting May 2, 2013 as the date for the final court hearing on the settlement to begin. We are not a party to the proceeding.

It is not currently possible to predict how many of the parties who have appeared in the court proceeding will ultimately object to the BNY Mellon Settlement, whether the objections will prevent receipt of final court approval or the ultimate outcome of the court approval process, which can include appeals and could take a substantial period of time. In particular, conduct of discovery and the resolution of the objections to the settlement and any appeals could take a substantial period of time and these factors could materially delay the timing of final court approval. Accordingly, it is not possible to predict when the court approval process will be completed.

If final court approval is not obtained by December 31, 2015, we and legacy Countrywide may withdraw from the BNY Mellon Settlement, if the Trustee consents. The BNY Mellon Settlement also provides that if Covered Trusts representing an unpaid principal balance exceeding a specified amount are excluded from the final BNY Mellon Settlement, based on investor objections or otherwise, we and legacy Countrywide have the option to withdraw from the BNY Mellon Settlement pursuant to the terms of the BNY Mellon Settlement agreement.

There can be no assurance that final court approval of the BNY Mellon Settlement will be obtained, that ongoing costs we will incur in connection with the BNY Mellon Settlement process will not be higher than we currently anticipate, 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 legacy Countrywide will not determine to withdraw from the settlement. If final court approval is not obtained or if we and legacy Countrywide determine to 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 as described under Experience with Investors Other than Government-sponsored Enterprises on page 65. For more
information about the risks associated with the BNY Mellon Settlement, see Item 1A. Risk Factors of the Corporation's 2011 Annual Report on Form 10-K.

## Syncora Settlement

On July 17, 2012, we, including certain of our affiliates, entered into an agreement with Syncora Guarantee Inc. and Syncora Holdings, Ltd. (Syncora) to resolve all of the monoline insurer's outstanding and potential claims related to alleged representations and warranties breaches involving eight first- and six second-lien private-label securitization trusts where Syncora provided financial guarantee insurance. The agreement, among other things, also resolves historical loan servicing issues and other potential liabilities to Syncora with respect to these trusts. The agreement covers the five second-lien private-label securitization trusts that were the subject of litigation and nine other first- and second-lien private-label securitization trusts, which had an original principal balance of first-lien mortgages of approximately $\$ 9.6$ billion and second-lien mortgages of approximately $\$ 7.7$ billion. As of June 30, 2012, $\$ 3.0$ billion of loans in these first-lien trusts and $\$ 1.4$ billion of loans in these second-lien trusts had defaulted or were 180 days or more past due (severely delinquent). The agreement provided for a cash payment of $\$ 375$ million to Syncora. In addition, the parties entered into securities transfers and purchase transactions in connection with the settlement in order to terminate certain other relationships among the parties. The total cost to the Corporation was approximately $\$ 400$ million and was fully accrued by the Corporation at June 30, 2012.

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Unresolved Claims Status

## Unresolved Repurchase Claims

At September 30, 2012, the total notional amount of our unresolved representations and warranties repurchase claims was approximately $\$ 25.5$ billion compared to $\$ 12.6$ billion at December 31, 2011. These repurchase claims do not include any repurchase claims related to the Covered Trusts. 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. For a table of unresolved repurchase claims, see Note 8 - Representations and Warranties Obligations and Corporate Guarantees to the Consolidated Financial Statements. 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, mortgage insurance 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 claims balance until resolution. We expect unresolved repurchase claims to continue to increase due to, among other things, our differences with Fannie Mae (FNMA) regarding our interpretation of the governing contracts, ongoing litigation with monoline insurers, the continuing submission of claims related to private-label securitizations, combined with the quality of such claims, and the lack of an established process to resolve disputes related to such claims.

The notional amount of unresolved GSE repurchase claims totaled $\$ 12.3$ billion at September 30, 2012. We continued to experience elevated levels of new claims from FNMA, including claims related to loans on which borrowers have made a significant number of payments (e.g., at least 25 payments) and, to a lesser extent, loans which defaulted more than 18 months prior to the repurchase request. Unresolved claims from FNMA totaled $\$ 11.5$ billion at September 30, 2012, including $\$ 8.6$ billion of claims related to loans on which the borrower has made at least 25 payments. During the nine months ended September 30, 2012, we received $\$ 8.7$ billion of claims from FNMA, including $\$ 7.1$ billion of claims related to loans originated between 2005 and 2007. For the claims related to originations between 2005 and 2007, $\$ 5.8$ billion were related to loans on which the borrower had made at least 25 payments, including $\$ 2.9$ billion related to loans on which the borrower had made at least 37 payments. Historically, for those claims that have been approved for repurchase from the GSEs, our loss severity rate on loans originated between 2004 and 2008 has averaged approximately 55 percent of the claim amount, which may or may not be predictive of future loss severity rates. We continue to believe that our interpretation of the governing contracts is consistent with past practices between the parties and our contractual obligations.

The notional amount of unresolved monoline repurchase claims totaled $\$ 2.6$ billion at September 30, 2012 compared to $\$ 3.1$ billion at December 31, 2011. The decrease in unresolved claims was driven by resolution of claims through the Syncora Settlement. We have had limited loan-level repurchase claims experience with monoline insurers due to ongoing litigation. We have reviewed and declined to repurchase $\$ 2.4$ billion of the unresolved claims at September 30, 2012 based on an assessment of whether a breach exists that materially and adversely affected the insurer's interest in the mortgage loan and are still in the process of reviewing the remaining $\$ 183$ million of these claims. Further, 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.

The notional amount of unresolved claims from private-label securitization trustees, third-party securitization sponsors, whole-loan investors and others increased to $\$ 10.5$ billion at September 30, 2012 compared to $\$ 3.3$ billion at December 31, 2011. The increase in the notional amount of unresolved claims is primarily due to increases in the submission of claims by private-label securitization trustees and a third-party securitization sponsor, claim quality and the lack of an established process to resolve disputes related to these claims. We anticipated an increase in aggregate
non-GSE claims at the time of the BNY Mellon Settlement in June 2011, and such increase in aggregate non-GSE claims was taken into consideration in developing the increase in our representations and warranties liability at that time. 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. At least 25 payments have been made on approximately 64 percent of the defaulted and severely delinquent loans sold to non-GSE securitizations or as whole loans between 2004 and 2008.

During the three months ended September 30, 2012, we received $\$ 5.0$ billion in new repurchase claims, including $\$ 2.7$ billion submitted by the GSEs for both legacy Countrywide originations not covered by the GSE Agreements and legacy Bank of America originations, $\$ 1.0$ billion from whole-loan investors, primarily third-party securitization sponsors, $\$ 983$ million submitted by private-label securitization trustees and $\$ 237$ million submitted by monolines. During the three months ended September 30, 2012, $\$ 2.2$ billion in claims were resolved, primarily with the GSEs and through the Syncora Settlement. Of the claims resolved, $\$ 1.9$ billion were resolved through rescissions and $\$ 322$ million were resolved through mortgage repurchases and make-whole payments.

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During the nine months ended September 30, 2012, we received $\$ 17.9$ billion in new repurchase claims, including $\$ 10.1$ billion submitted by the GSEs for both legacy Countrywide originations not covered by the GSE Agreements and legacy Bank of America originations, $\$ 6.2$ billion submitted by private-label securitization trustees, $\$ 1.3$ billion from whole-loan investors, primarily third-party securitization sponsors, and $\$ 295$ million submitted by monolines. During the nine months ended September 30, 2012, $\$ 5.0$ billion in claims were resolved, primarily with the GSEs and through the Syncora Settlement. Of the claims resolved, $\$ 3.5$ billion were resolved through rescissions and $\$ 1.5$ billion were resolved through mortgage repurchases and make-whole payments. For more information on repurchase claims received 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.

In addition and not included in total unresolved repurchase claims of $\$ 25.5$ billion, 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 $\$ 1.7$ billion at both September 30, 2012 and December 31, 2011. At December 31, 2011, the $\$ 1.7$ billion of demands outstanding were related to the BNY Mellon Settlement of which $\$ 1.4$ billion were subsequently resolved through the dismissal of a lawsuit as discussed below. At September 30, 2012, the outstanding demands were comprised of $\$ 1.4$ billion in claims received during the nine months ended September 30, 2012 and approximately $\$ 300$ million related to the BNY Mellon Settlement. We do not believe that the $\$ 1.7$ billion in demands outstanding at September 30, 2012 are valid repurchase claims, and therefore it is not possible to predict the resolution with respect to such demands.

A claimant, Walnut Place (11 entities with the common name Walnut Place, including Walnut Place LLC, and Walnut Place II LLC through Walnut Place XI LLC) had filed two lawsuits against the Corporation relating to $\$ 1.4$ billion of the $\$ 1.7$ billion in demands outstanding at December 31, 2011. Following determination by the courts that the governing agreements bar repurchase claims by certificateholders and the consequent dismissal of Walnut Place's first lawsuit, the parties stipulated in July 2012 to the dismissal of Walnut Place's second lawsuit (and these demands were accordingly removed from our outstanding demands balance). If the BNY Mellon Settlement is approved by the court, the remaining repurchase demands related to loans underlying securitizations included in the BNY Mellon Settlement will be resolved by the settlement.

## 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 amount of such notices has remained elevated. At September 30, 2012, we had approximately 111,000 open MI rescission notices compared to 90,000 at December 31, 2011. As of September 30, 2012, 29 percent of the MI rescission notices received have been resolved. Of those resolved, 21 percent were resolved through our acceptance of the MI rescission, 54 percent were resolved through reinstatement of coverage or payment of the claim by the mortgage insurance company, and 25 percent were resolved on an aggregate basis through settlement, policy commutation or similar arrangement. As of September 30, 2012, 71 percent of the MI rescission notices we have received have not yet been resolved. Of those not yet resolved, 44 percent are implicated by ongoing litigation where no loan-level review is currently contemplated nor 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 37 percent of the remaining open MI rescission notices, and we have reviewed and are contesting the MI rescission with respect to 63 percent of these remaining open MI rescission notices. Of the remaining open MI rescission notices, 37 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. For additional information, see Note 8 - Representations and Warranties Obligations and Corporate Guarantees to the Consolidated Financial

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In 2011, FNMA issued an announcement requiring servicers to report all MI rescission notices with respect to loans sold to FNMA and confirmed FNMA's view of its position that a mortgage insurance company's issuance of a MI rescission notice constitutes a breach of the lender's representations and warranties and permits FNMA to require the lender to repurchase the mortgage loan or promptly remit a make-whole payment covering FNMA's loss even if the lender is contesting the MI rescission notice. According to FNMA's announcement, through June 30, 2012, lenders had 90 days to appeal FNMA's repurchase request and 30 days (or such other time frame specified by FNMA) to appeal after that date. We also expect that in many cases, particularly in the context of individual or bulk rescissions being contested through litigation, we will not be able to resolve MI rescission notices with the mortgage insurance companies before the expiration of the appeal period prescribed by the FNMA announcement. We have informed FNMA that we do not believe that the new policy is valid under our contracts with FNMA, and that we do not intend to repurchase loans under the terms set forth in the new policy. Our pipeline of unresolved repurchase claims from the GSEs resulting solely from MI rescission notices increased to $\$ 2.2$ billion at September 30, 2012 from $\$ 1.2$ billion at December 31, 2011. Approximately 76 percent of this increase relates to loans for which the borrower has made at least 25 payments. If we are required to abide by the terms of FNMA's stated policy regarding MI rescission notices, the amount of loans we are required to repurchase could increase, and if it does, our representations and warranties liability will increase. For additional information on the FNMA policy, see Note 8 - Representations and Warranties Obligations and Corporate Guarantees to the Consolidated Financial Statements. Additionally, see Off-Balance Sheet Arrangements and Contractual Obligations - Government-sponsored Enterprises Experience on page 37 of the MD\&A of the Corporation's 2011 Annual Report on Form 10-K.

## Representations and Warranties Liability

The liability for representations and warranties and corporate guarantees is included in accrued expenses and other liabilities on the Corporation's Consolidated Balance Sheet and the related provision is included in mortgage banking income. Our estimates of the liability for representations and warranties exposure and the corresponding range of possible loss are based on currently available information, significant judgment and a number of other factors that are subject to change. Changes to any one of these factors could significantly impact the estimate of the liability and could have a material adverse impact on our results of operations for any particular period. For additional information, 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 149 .

The liability for obligations under representations and warranties with respect to GSE and non-GSE exposures and the corresponding estimated range of possible loss for these representations and warranties exposures do not consider any losses related to litigation matters disclosed in Note 10 - Commitments and Contingencies to the Consolidated Financial Statements or Note 14 - Commitments and Contingencies to the Consolidated Financial Statements of the Corporation's 2011 Annual Report on Form 10-K, 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 range of possible loss for litigation and regulatory matters disclosed in Note 10 - Commitments and Contingencies to the Consolidated Financial Statements, however, such loss could be material.

At September 30, 2012 and December 31, 2011, the liability for representations and warranties and corporate guarantees was $\$ 16.3$ billion and $\$ 15.9$ billion. For the three and nine months ended September 30, 2012, the representations and warranties and corporate guarantees provision was $\$ 307$ million and $\$ 984$ million compared to

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$\$ 278$ million and $\$ 15.3$ billion for the same periods in 2011. The provision in the three months ended September 30, 2012 included provision related to non-GSE exposures where it was determined that the loss was probable based on recent activity with certain counterparties and, to a lesser extent, GSE exposures. The decrease in the provision for the nine months ended September 30, 2012 was primarily due to a higher provision in the prior-year period attributable to the BNY Mellon Settlement, other non-GSE exposures, and to a lesser extent, GSE exposures. For additional information, see Off-Balance Sheet Arrangements and Contractual Obligations - Representations and Warranties Liability on page 35 of the MD\&A of the Corporation's 2011 Annual Report on Form 10-K.

Estimated Range of Possible Loss
Our estimated liability at September 30, 2012 for obligations under representations and warranties is necessarily dependent on, and limited by, a number of factors, including our historical claims experience with the GSEs, our understanding of our agreements with the GSEs and, 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.

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Over time, FNMA's repurchase requests, standards for rescission of repurchase requests and resolution processes have become inconsistent with its own past conduct and with the Corporation's interpretation of the parties' contractual obligations. While we are seeking to resolve our differences with FNMA, whether we will be able to achieve a resolution of these differences on acceptable terms and the timing and cost thereof continues to be subject to significant uncertainty. Due to this uncertainty, we have not previously been able to reasonably estimate the range of possible loss in excess of the recorded liability for GSE loans. However, as a result of continued dialogue and discussions with FNMA, we have obtained additional information from which we are able to determine a reasonable estimate of a range of possible loss for representations and warranties exposures in excess of our recorded representations and warranties liability for the GSEs as of September 30, 2012.

In the case of private-label securitizations, our estimate of the representations and warranties liability and the corresponding range of possible loss considers, among other things, repurchase experience based on the BNY Mellon Settlement with the Bank of New York Mellon as trustee, adjusted to reflect differences between the 525 legacy Countrywide first-lien and five second-lien non-GSE securitization 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.

We believe that our representations and warranties liability recorded as of September 30, 2012 provides for a substantial portion of our representations and warranties exposures. 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 experience. We currently estimate that the range of possible loss for all representations and warranties exposures could be up to $\$ 6$ billion over accruals at September 30, 2012 compared to $\$ 5$ billion over accruals at June 30, 2012 for only non-GSE representations and warranties exposures. The increase in the range of possible loss from June 30, 2012 is the net impact of, among other changes, updated assumptions, the inclusion of GSE representations and warranties exposures and other developments. 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. For additional information about the methodology used to estimate the representations and warranties liability and the corresponding range of possible loss, see Note 8 - Representations and Warranties Obligations and Corporate Guarantees to the Consolidated Financial Statements.

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, those regarding continued differences with FNMA concerning each party's interpretation of the requirements of the governing contracts, ultimate resolution of the BNY Mellon Settlement, estimated repurchase 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, if courts, in the context of claims brought by private-label securitization trustees, were to disagree with our interpretation that the underlying agreements require a claimant to prove that the representations and warranties breach was the cause of the loss, it could significantly impact 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, private-label securitization counterparties may view litigation as a more attractive alternative compared to a loan-by-loan review. For additional information regarding these issues, see MBIA litigation in Litigation and Regulatory Matters in Note 14 Commitments and Contingencies to the Consolidated Financial Statements of the Corporation's 2011 Annual Report

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on Form 10-K. 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.

Government-sponsored Enterprises Experience
Our current repurchase claims experience with the GSEs is concentrated in the 2004 through 2008 vintages where we believe that our exposure to representations and warranties liability is most significant. Our repurchase claims experience related to loans originated prior to 2004 has not been significant and we believe that changes made to our operations and underwriting policies have reduced our exposure related to loans originated after 2008.

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Bank of America and legacy Countrywide sold approximately $\$ 1.1$ trillion of loans originated from 2004 through 2008 to the GSEs. As of September 30, 2012, 12 percent of the original funded balance of loans in these vintages have defaulted or are 180 days or more past due (severely delinquent). At least 25 payments have been made on approximately 66 percent of severely delinquent or defaulted loans. As of September 30, 2012, we have received $\$ 41.4$ billion in repurchase claims associated with these vintages, representing approximately four percent of the original funded balance of loans sold to the GSEs in these vintages. We have resolved $\$ 28.8$ billion of these claims with a net loss experience of approximately 30 percent, after considering the effect of collateral. Our collateral loss severity rate on approved repurchases has averaged approximately 55 percent. In addition, $\$ 839$ million of claims were extinguished as a result of the agreement with Freddie Mac (FHLMC) in 2010.

Table 15 highlights our experience with the GSEs related to loans originated from 2004 through 2008.
Table 15
Overview of GSE Balances - 2004-2008 Originations

| (Dollars in billions) | Countrywidether |  |  | Total |
| :---: | :---: | :---: | :---: | :---: |
| Original funded balance | \$846 |  | \$272 | \$1,11 |
| Principal payments | (493 | ) | (171 | ) (664 |
| Defaults | (71 | ) | (12 | ) (83 |
| Total outstanding balance at September 30, 2012 | \$282 |  | \$89 | \$371 |
| Outstanding principal balance 180 days or more past due (severely delinquent) | \$40 |  | \$10 | \$50 |
| Defaults plus severely delinquent | 111 |  | 22 | 133 |
| Payments made by borrower |  |  |  |  |
| Less than 13 |  |  |  | \$15 |
| 13-24 |  |  |  | 30 |
| 25-36 |  |  |  | 33 |
| More than 36 |  |  |  | 55 |
| Total payments made by borrower |  |  |  | \$133 |
| Unresolved GSE representations and warranties claims (all vintages) |  |  |  |  |
| As of December 31, 2011 |  |  |  | \$6.3 |
| As of September 30, 2012 |  |  |  | 12.3 |
| Cumulative GSE representations and warranties losses (2004-2008 vintages) |  |  |  | \$9.8 |

We continued to experience elevated levels of new claims from FNMA, including claims on loans on which borrowers have made a significant number of payments (e.g., at least 25 payments) and, to a lesser extent, loans which defaulted more than 18 months prior to the repurchase request. Over time the criteria and the processes by which FNMA is ultimately willing to resolve claims have changed in ways that are unfavorable to us. In light of our disagreements with FNMA, we have adopted repurchase guidelines in order to be more consistent with past practices between the parties and with our understanding of our contractual obligations. These developments have resulted in an increase in claims outstanding from the GSEs to $\$ 12.3$ billion at September 30, 2012 from $\$ 6.3$ billion at December 31, 2011. Outstanding claims related to loans on which the borrower had made at least 25 payments totaled $\$ 9.2$ billion at September 30, 2012 compared to $\$ 3.7$ billion at December 31, 2011. We expect outstanding claims to continue to increase until we have resolved our differences with FNMA. While we are seeking to resolve our differences with FNMA, whether we will be able to achieve a resolution of these differences on acceptable terms, and the timing and cost thereof, continues to be subject to significant uncertainty. We have repurchased and continue to
repurchase loans to the extent required under the contracts that govern our relationships with the GSEs. For additional information, see Open Mortgage Insurance Rescission Notices on page 61.

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Beginning in February 2012, we stopped delivering purchase money and non-Making Home Affordable (MHA) refinance first-lien residential mortgage products into FNMA MBS pools because of the expiration and mutual non-renewal of certain contractual delivery commitments and variances that permit efficient delivery of such loans to FNMA. While we continue to have a valid agreement with FNMA permitting the delivery of purchase money and non-MHA refinance first-lien residential mortgage products without such contractual variances, the delivery of such products without contractual delivery commitments and variances would involve time and expense to implement the necessary operational and systems changes and otherwise presents practical operational issues. The non-renewal of these variances was influenced, in part, by our ongoing differences with FNMA in other contexts, including repurchase claims, as discussed above. We do not expect this change to have a material impact on our CRES business, as we expect to rely on other sources of liquidity to actively extend mortgage credit to our customers including continuing to deliver such products into FHLMC MBS pools. Additionally, we continue to deliver MHA refinancing products into FNMA MBS pools and continue to engage in dialogue to attempt to address our ongoing differences with FNMA.

Experience with Investors Other than Government-sponsored Enterprises

As detailed in Table 16, 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 $\$ 524$ billion in principal has been paid and $\$ 245$ billion has defaulted or is severely delinquent at September 30, 2012. For additional information, see Experience with Investors Other than Government-sponsored Enterprises on page 38 of the MD\&A of the Corporation's 2011 Annual Report on Form 10-K.

Table 16 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 September 30, 2012. As shown in Table 16, at least 25 payments have been made on approximately 64 percent of the defaulted and severely delinquent loans. 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 September 30, 2012, 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 $\$ 113$ billion is defaulted or severely delinquent at September 30, 2012.

Table 16
Overview of Non-Agency Securitization and Whole Loan Balances Principal Balance Defaulted or Severely Delinquent

| (Dollars in billions) | Original <br> Principal <br> Balance | Outstanding <br> Outstanding <br> Principal |  |  | Defaulted or | Borrower <br> Made | Borrower <br> Made | Borrower <br> Made | Borrower <br> Made |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |  |
|  |  | Balance | Balance | Principal |  | Less than |  |  | More than |
|  |  | September | 180 Days | Balance | Severely |  | 13 to 24 | 25 to 36 |  |
|  |  | $30,2012$ | or More <br> Past Due |  | Delinquent | Payments | Payments | Payments | Payments |

By Entity

| Bank of <br> America $\$ 100$ | \$24 | \$4 | \$6 | \$ 10 | \$ 1 | \$2 | \$2 | \$5 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Countrywide 716 | 215 | 66 | 124 | 190 | 24 | 44 | 45 | 77 |

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| Merrill Lynch | 65 | 17 | 4 | 13 | 17 | 3 | 4 | 3 | 7 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| First | 82 | 18 | 6 | 22 | 28 | 5 | 6 | 4 | 13 |
| Total (1,2) | \$963 | \$274 | \$80 | \$165 | \$245 | \$33 | \$56 | \$54 | \$ 102 |
| By Product |  |  |  |  |  |  |  |  |  |
| Prime | \$302 | \$88 | \$13 | \$21 | \$34 | \$2 | \$6 | \$7 | \$19 |
| Alt-A | 172 | 61 | 17 | 33 | 50 | 7 | 12 | 12 | 19 |
| Pay option | 150 | 46 | 22 | 35 | 57 | 5 | 14 | 15 | 23 |
| Subprime | 245 | 66 | 26 | 57 | 83 | 16 | 19 | 16 | 32 |
| Home equity | 88 | 13 | - | 18 | 18 | 2 | 5 | 4 | 7 |
| Other | 6 | - | 2 | 1 | 3 | 1 | - | - | 2 |
| Total | \$963 | \$274 | \$80 | \$165 | \$245 | \$33 | \$56 | \$54 | \$ 102 |

${ }_{(1)}$ 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.

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Monoline Insurers
Legacy companies sold $\$ 184.5$ billion of loans originated between 2004 and 2008 into monoline-insured securitizations, which are included in Table 16, 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 $\$ 51.3$ billion of the second-lien mortgages have been paid in full and $\$ 35.1$ billion of the first-lien mortgages and $\$ 17.5$ billion of the second-lien mortgages have defaulted or are severely delinquent at September 30, 2012. 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. As of September 30, 2012, we have received $\$ 6.0$ billion of representations and warranties claims associated with these vintages from the monoline insurers related to the monoline-insured transactions, predominately second-lien transactions. Of these repurchase claims, $\$ 2.4$ billion were resolved through the Assured Guaranty and Syncora Settlements, $\$ 816$ million were resolved through repurchase or indemnification with losses of $\$ 708$ million, and $\$ 126$ million were rescinded by the monoline insurers or paid in full. Our limited experience with most of the monoline insurers has varied in terms of process, and experience with these counterparties has not been predictable. Our limited claims experience with the monoline insurers, other than Assured Guaranty, in the repurchase process is a result of these monoline insurers having instituted litigation against legacy Countrywide and/or Bank of America, which limits our ability to enter into constructive dialogue with these monolines to resolve the open claims.

At September 30, 2012, for loans originated between 2004 and 2008, the unpaid principal balance of loans related to unresolved monoline repurchase claims was $\$ 2.6$ billion. We have reviewed and declined to repurchase $\$ 2.4$ billion based on an assessment of whether a material breach exists and are still in the process of reviewing the remaining $\$ 183$ million of these claims. At September 30, 2012, 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. 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.

It is not possible at this time to reasonably estimate probable future repurchase obligations with respect to those monolines with whom we have limited repurchase experience and, therefore, no representations and warranties liability has been recorded in connection with these monolines, other than a liability for repurchase claims where we have determined that there are valid loan defects and determined that there is a breach of a representation and warranty and that any other requirements for repurchase have been met. Outside of the standard quality control process that is an integral part of our loan origination process, we do not generally review loan files until we receive a repurchase claim, including with respect to monoline exposures. For additional information, see Note 10 Commitments and Contingencies to the Consolidated Financial Statements.

## 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. The loans sold with total principal balance of $\$ 778.2$ billion, included in Table 16, were originated between 2004 and 2008, of which $\$ 424.4$ billion have been paid in full and $\$ 192.4$ billion are defaulted or severely delinquent at September 30, 2012. 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. At least 25 payments have been made on approximately 65 percent of the defaulted and severely delinquent loans. We have received approximately $\$ 16.2$
billion of representations and warranties claims from whole-loan investors, including third-party sponsors, and private-label securitization investors and trustees related to these vintages, including $\$ 8.2$ billion from private-label securitization trustees, $\$ 7.2$ billion from whole-loan investors and $\$ 817$ 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. Recent increases in 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 statutes of limitation relating to representations and warranties 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.

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We have resolved $\$ 6.2$ billion of the claims received from whole-loan investors and private-label securitization investors and trustees with losses of $\$ 1.5$ billion. The majority of these resolved claims were from third-party whole-loan investors. Approximately $\$ 2.9$ billion of these claims were resolved through repurchase or indemnification and $\$ 3.3$ billion were rescinded by the investor. At September 30, 2012, 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 $\$ 10.1$ billion. We have performed an initial review with respect to $\$ 9.4$ 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 $\$ 662$ 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 the liability related to existing and future claims from such counterparties. The BNY Mellon Settlement and recent 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 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 have not reviewed 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 September 30, 2012 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 $\$ 1.7$ 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.

## 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. 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 also claim that they have the contractual right to demand indemnification or loan repurchase for certain servicing breaches. In addition, the GSEs' first 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 and legal principles should inform resolution of these matters. Under our servicing agreements for loans serviced on behalf of third parties, we are also required to provide certain advances for foreclosure costs which are not reimbursable. Foreclosure delays resulting in high delinquencies have resulted and are likely to continue to result in elevated advances and reserves. In addition, we service VA loans that are partially guaranteed. In the event that a loss on a VA loan exceeds the guarantee, we may be responsible for the loss in excess of the guarantee.

Many non-agency RMBS and whole-loan servicing agreements require the servicer to indemnify the trustee or other investor for or against failures by the servicer to perform its servicing obligations or acts or omissions that involve willful malfeasance, bad faith or gross negligence in the performance of, or reckless disregard of, the servicer's duties.

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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 40 of the MD\&A of the Corporation's 2011 Annual Report on Form 10-K.

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 settlement agreement reached on March 12, 2012 between the Corporation, 49 state Attorneys General, HUD and certain federal agencies (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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## Servicing Resolution Agreements

The National Mortgage Settlement was entered by the court as a consent judgment (Consent Judgment) on April 5, 2012. The National Mortgage Settlement provides 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 provides 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. The liability for upfront payments totaling approximately $\$ 2.4$ billion was included in our litigation reserves at March 31, 2012 and these payments were made in April 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. Under the National Mortgage Settlement, the interest rate modification program will consist of interest rate reductions on first-lien loans originated prior to January 1, 2009 that have a current loan-to-value (LTV) ratio greater than 100 percent and that meet certain eligibility criteria, including the requirement that all payments due for the last twelve months have been made in a timely manner. This program commits us to forego future interest payments that we may not otherwise have agreed to forego, and no loss has been recognized in the financial statements related to such forgone interest. Due to the time required to receive borrower documentation and underwrite the modified loans, a significant number of modifications have not yet been completed. The interest rate modification program is expected to include approximately 20,000 to 25,000 loans with an aggregate unpaid principal balance of $\$ 5.4$ billion to $\$ 6.8$ billion. Assuming an average interest rate reduction of approximately two percent, the modifications are expected to result in a reduction of annual interest income of approximately $\$ 100$ million to $\$ 130$ million when the program is complete. Assuming a weighted-average loan life of approximately eight years, the fair value of loans in the program is expected to decrease by approximately $\$ 700$ million to $\$ 900$ million as a result of the interest rate reductions. The financial impact will vary depending on final terms of modifications offered and the rate of borrower acceptance. We do not expect loans modified under the program to be accounted for as troubled debt restructurings (TDRs). If the program is expanded to include loans that do not meet specified underwriting criteria, such as maximum debt-to-income ratios or minimum FICO scores, the modifications of such loans will be accounted for as TDRs.

We could be required to make additional payments if we fail to meet our borrower assistance and rate reduction modification commitments over a three-year period, in an amount equal to 125 percent to 140 percent of the shortfall, dependent on the two- and three-year commitment target. 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 as part of the National Mortgage Settlement, and under which we could be required to make additional payments if we fail to meet such minimum levels.

We believe that it is likely that we will meet all borrower assistance, rate reduction modification and principal reduction commitments required under the National Mortgage Settlement and, therefore, do not expect to be required to make additional cash payments. Although it is reasonably possible that the cost of fulfilling the commitments could increase, leading to an incremental credit provision, the amount of any such incremental provision is not reasonably estimable. 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, the

FHA provides us and our affiliates with 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.

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 42 of the MD\&A of the Corporation's 2011 Annual Report on Form 10-K.

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Impact of Foreclosure Delays
Foreclosure delays impact our default-related servicing costs. We believe default-related servicing costs peaked during the third quarter of 2012 and we expect them to decline in the fourth quarter of 2012 , with the decline accelerating 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 and nine months ended September 30,2012 , we recorded $\$ 131$ million and $\$ 530$ million of mortgage-related assessments, waivers and similar costs related to foreclosure delays. We continue to disagree with the GSEs' attempt to make retroactive changes to the criteria for calculating and assessing compensatory fees for foreclosure delays. The GSEs have claimed compensatory fees significantly in excess of the amounts that we believe can be claimed under the governing contracts and legal principles. 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, Bank of America, N.A. (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' held-for-investment (HFI) portfolios. This portion of the agreement was effective in the second quarter of 2011 and is not conditioned on final court approval. 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 OCC consent order; however, they are more prescriptive and cover a broader range of our residential mortgage servicing activities. Implementation of these uniform servicing standards is expected to incrementally increase 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 42 of the MD\&A of the Corporation's 2011 Annual Report on Form 10-K.

## Regulatory Matters

The Dodd-Frank Wall Street Reform and Consumer Protection Act (the Financial Reform Act) requires that all bank holding companies (BHCs) with assets greater than $\$ 50$ billion submit a resolution plan to the Federal Reserve and the FDIC, and file an updated plan annually. The resolution plan is a detailed roadmap for the orderly liquidation of the BHC and material entities under a hypothetical scenario. We submitted our resolution plan to the Federal Reserve and FDIC on June 29, 2012.

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The Financial Reform Act provides for new Federal regulation of the derivatives markets. As of October 12, 2012, swaps dealers conducting dealing activity with U.S. persons above a certain threshold will be required to register with the U.S. Commodity Trading Futures Commission (CFTC) on or before December 31, 2012. Upon registration, swap dealers will 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, new reporting requirements and new business conduct requirements for derivatives under the jurisdiction of CFTC. There remains some uncertainty as to whether non-U.S. entities will be required to register as swap dealers because CFTC has not yet adopted final cross-border guidance. The ultimate impact of these regulations, and the time it will take to comply, continues to remain uncertain. The final regulations will impose additional operational and compliance costs on us and may require us to restructure certain businesses and negatively impact our revenues and results of operations.

For information regarding other significant regulatory matters, see Note 10 - Commitments and Contingencies to the Consolidated Financial Statements herein, Regulatory Matters on page 43 of the MD\&A of the Corporation's 2011 Annual Report on Form 10-K, and Item 1A. Risk Factors of the Corporation's 2011 Annual Report on Form 10-K.

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Managing Risk

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 clearly articulated risk appetite which is approved annually 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. For a more detailed discussion of our risk management activities, see pages 45 through 97 of the MD\&A of the Corporation's 2011 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 risk. It is the risk that results from adverse business decisions, ineffective or inappropriate business plans, failure to respond to changes in the competitive environment, business cycles, customer preferences, product obsolescence, regulatory environment, business strategy execution and/or other inherent risks of the business including reputational and operational risk. In the financial services industry, strategic risk is elevated due to changing customer, competitive and regulatory environments. Our appetite for strategic risk is assessed within the context of the strategic plan, with strategic risks selectively and carefully considered in the context of the evolving marketplace. Strategic risk is managed in the context of our overall financial condition and assessed, managed and acted on by the Chief Executive Officer and executive management team. Significant strategic actions, such as material acquisitions or capital actions, require review and approval from the Board.

For more information on our Strategic Risk Management activities, see page 48 of the MD\&A of the Corporation's 2011 Annual Report on Form 10-K.

## Capital Management

Bank of America manages its capital position to maintain sufficient capital to support our business activities and maintain capital, risk and risk appetite at levels that are commensurate with one another. Additionally, we seek to maintain safety and soundness under adverse scenarios, take advantage of growth and strategic opportunities, maintain ready access to financial markets, remain a source of strength for its 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 investors, rating agencies and regulators. Based upon this analysis, we set capital guidelines for Tier 1 common capital and Tier 1 capital to maintain an adequate capital position, including in a severe adverse economic scenario. We also target to maintain capital in excess of the capital required per our economic capital measurement process. For additional information, see Economic Capital on page 76. Management and the Board annually approve a comprehensive capital plan which documents the ICAAP and related results, analysis and support for the capital guidelines, and planned capital actions.

Capital management is integrated into the risk and governance processes, as capital is a key consideration in the development of the strategic plan, risk appetite and risk limits. Economic capital is allocated to each business unit and used to perform risk-adjusted return analysis at the business unit, client relationship and transaction levels.

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Regulatory Capital
As a financial services holding company, we are subject to the risk-based capital guidelines (Basel 1) issued by federal banking regulators. At September 30, 2012, we operated banking activities primarily under two national bank charters: BANA and FIA Card Services, N.A. (FIA). Under these guidelines, the Corporation and its affiliated banking entities 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.

The Corporation has issued notes to certain unconsolidated corporate-sponsored trust companies which issued qualifying trust preferred securities (Trust Securities) and hybrid securities. In accordance with Federal Reserve guidance, Trust Securities continue to qualify as Tier 1 capital with revised quantitative limits. As a result, at September 30, 2012, the Corporation included qualifying Trust Securities in the aggregate amount of $\$ 10.5$ billion (approximately 88 bps of Tier 1 capital) in Tier 1 capital. Under one of three notices of proposed rulemaking on Basel 3 issued by U.S. banking regulatory agencies (collectively, the Basel 3 NPRs), outstanding Trust Securities will be excluded from Tier 1 capital, with the exclusion to be phased in incrementally over a four-year period, beginning January 1, 2013.

For additional information on these and other regulatory requirements, see Capital Management - Regulatory Capital on page 49 of the MD\&A of the Corporation's 2011 Annual Report on Form 10-K and Note 18 - Regulatory Requirements and Restrictions to the Consolidated Financial Statements of the Corporation's 2011 Annual Report on Form 10-K.

The Federal Reserve requires 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 large BHCs have thorough and robust processes for managing their capital. On January 6, 2012, we submitted our 2012 capital plan, and received results on March 13, 2012. The submitted capital plan included the ICAAP and related results, analysis and support for the capital guidelines and planned capital actions. The Federal Reserve's stress scenario projections for the Corporation estimated a minimum Tier 1 common capital ratio of 5.9 percent under severe adverse economic conditions with all proposed capital actions through the end of 2013, exceeding the five percent reference rate for all institutions involved in the CCAR. The capital plan submitted by the Corporation to the Federal Reserve did not include a request to return capital to stockholders in 2012 above the current dividend rate. The Federal Reserve did not object to our capital plan. We expect to be required to submit our 2013 capital plan in early January 2013. Consistent with the 2012 capital plan, we expect to be required to use stress scenario assumptions the Federal Reserve will provide in the fourth quarter of 2012. Results from the Federal Reserve are expected to be received in the first half of 2013.

## Capital Composition and Ratios

Tier 1 common capital was $\$ 136.4$ billion at September 30, 2012, an increase of $\$ 9.7$ billion from December 31, 2011. The increase was primarily driven by earnings eligible to be included in capital, which positively impacted the Tier 1 common capital ratio by approximately 52 bps , including the impact of repurchases of certain of our debt and Trust Securities. The Tier 1 common capital ratio also benefited seven bps from the issuance of common stock in lieu of cash for a portion of employee incentive compensation. Total capital decreased $\$ 9.9$ billion at September 30, 2012 compared to December 31, 2011 primarily due to a reduction in subordinated debt from repurchases and a reduction in Trust Securities from repurchases and exchanges.

Risk-weighted assets decreased $\$ 88.7$ billion to $\$ 1,196$ billion at September 30, 2012 compared to December 31, 2011. The decrease was primarily driven by lower loan levels and decreases in derivatives, letters of credit and other
assets. These decreases positively impacted Tier 1 common, Tier 1 and Total capital ratios by $78 \mathrm{bps}, 96 \mathrm{bps}$ and 125 bps, respectively. The Tier 1 leverage ratio increased 31 bps at September 30, 2012 compared to December 31, 2011 primarily driven by the increase in Tier 1 capital.

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Table 17 presents Bank of America Corporation's capital ratios and related information at September 30, 2012 and December 31, 2011.

Table 17
Bank of America Corporation Regulatory Capital

September 30, 2012
Actual

| (Dollars in millions) | Ratio |  | Amount | Minimum <br> Required <br> (1) | Ratio |  | Amount | Minimum <br> Required ${ }^{(1)}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Tier 1 common capital ratio | 11.41 | \% | \$ 136,406 | n/a | 9.86 | \% | \$ 126,690 | n/a |
| Tier 1 capital ratio | 13.64 |  | 163,063 | \$71,743 | 12.40 |  | 159,232 | \$ 77,068 |
| Total capital ratio | 17.16 |  | 205,172 | 119,572 | 16.75 |  | 215,101 | 128,447 |
| Tier 1 leverage ratio | 7.84 |  | 163,063 | 83,198 | 7.53 |  | 159,232 | 84,557 |

September 30 December 31
20122011
\$ 1,196 \$ 1,284
2,080 2,114

Risk-weighted assets (in billions)
Adjusted quarterly average total assets (in billions) ${ }^{(2)}$

December 31, 2011
Actual
${ }^{(1)}$ Dollar amount required to meet guidelines for well capitalized institutions.
${ }^{(2)}$ Reflects adjusted average total assets for the three months ended September 30, 2012 and December 31, 2011. $\mathrm{n} / \mathrm{a}=$ not applicable

Table 18 presents the capital composition at September 30, 2012 and December 31, 2011.
Table 18
Capital Composition
(Dollars in millions)
Total common shareholders' equity
Goodwill
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
Noncontrolling interests
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

September 30 December 31
$2012 \quad 2011$
\$ 219,838 \$ 211,704
(69,976 ) (69,967 )
(5,231 ) (5,848 )
$(2,824) \quad 682$
3,285 4,391
3,883 944
(14,286 ) (16,799 )
1,717 1,583
136,406 126,690
$15,850 \quad 15,479$
10,467 16,737
$340 \quad 326$
163,063 159,232
25,373 38,165
26,233 33,783
$518 \quad 714$
(11,615 ) (18,159 )

| 45 percent of the pre-tax net unrealized gains on AFS marketable equity securities | 234 | 1 |
| :--- | :--- | :--- |
| Other | 1,366 | 1,365 |
| Total capital | $\$ 205,172$ | $\$ 215,101$ |
| (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. |  |  |

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Regulatory Capital Changes
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. The regulatory capital rules continue to evolve.

We currently measure and report our capital ratios and related information in accordance with Basel 1. See Capital Management on page 70 for additional information. 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. In June 2012, U.S. banking regulators issued the final Market Risk Amendment that amends the Basel 1 Market Risk rules (Market Risk Amendment) effective January 1, 2013. U.S. banking regulators also issued the Basel 3 NPRs in June 2012 to implement the Basel 3 regulatory capital reforms from the Basel Committee on Banking Supervision (Basel Committee) and changes required by the Financial Reform Act. Under the Basel 3 NPRs, we are subject to the Advanced Approach for measuring risk-weighted assets (Basel 3 Advanced Approach). 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 Market Risk Amendment and Basel 3 Advanced Approach, if adopted as proposed, are expected to substantially increase our capital requirements.

Portions of the Basel 3 Advanced Approach are proposed to be effective on specific dates from January 1, 2013 through January 1, 2018, based on specific transition provisions in the rules. Under the Basel 3 Advanced Approach, Trust Securities will no longer be included in Tier 1 capital on a transition basis from a 25 percent exclusion starting on January 1, 2013, to full exclusion on January 1, 2016 and thereafter. The Basel 3 NPRs also propose material changes to the deduction of certain assets from capital, new minimum capital ratios and buffer requirements, significant changes to the calculation of credit and counterparty credit risk and utilization of a Standardized Approach, as defined, in lieu of Basel 1 that provides a floor to the calculation of risk-weighted assets. Many of the changes to capital deductions are subject to a transition period where the impact is recognized in 20 percent increments beginning on January 1, 2014 through January 1, 2018. The majority of the other aspects of the Basel 3 Advanced Approach are proposed to become effective on January 1, 2013. The phase-in period for the new minimum capital requirements and related buffers is proposed to occur between 2013 and 2019.

Based on Basel 2, the final Market Risk Amendment and our current understanding of the Basel 3 Advanced Approach issued by U.S. regulatory agencies, we estimated our Basel 3 Advanced Approach Tier 1 common capital ratio, on a fully phased-in basis, to be 8.97 percent at September 30, 2012. As of September 30, 2012, we estimated that our Tier 1 common capital would be $\$ 135$ billion and total risk-weighted assets would be $\$ 1,501$ billion, also on a fully phased-in basis. This assumes the approval by U.S. banking regulators of our internal analytical models, excluding the removal of the surcharge applicable to the Comprehensive Risk Model (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 Corporation's Consolidated Balance Sheet. As a result, our estimates of total risk-weighted assets under the Basel 3 Advanced Approach are sensitive to interest rate and credit quality volatility.

Important differences between Basel 1 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 both interest rates as well as overall earnings performance. Our estimates under the Basel 3 Advanced Approach will be refined over time as our businesses change, as we continue to refine our models, as our and the industry's understanding and interpretation of
the rules evolve, and as a result of further rulemaking or clarification by U.S. regulating agencies. 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. We intend to continue to build capital through retaining earnings, actively managing our portfolios and implementing other capital related initiatives, including focusing on reducing both higher risk-weighted assets and assets proposed to be deducted from capital under the Basel 3 Advanced Approach.

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Basel 3 regulatory capital metrics are non-GAAP measures until they are fully adopted and required by U.S. regulatory agencies. Table 19 presents a reconciliation of our Basel 1 Tier 1 common capital and risk-weighted assets to our Basel 3 estimates at September 30, 2012, assuming fully phased-in measures according to the Basel 3 Advanced Approach.

Table 19
Basel 1 to Basel 3 Reconciliation
(Dollars in millions)
September 30
Regulatory capital - Basel 1 to Basel 3 (fully phased-in)
Basel 1 Tier 1 capital 2012

Deduction of preferred stock, non-qualifying preferred stock and minority interest in equity accounts of consolidated subsidiaries
Basel 1 Tier 1 common capital 136,406
Deduction of defined benefit pension assets
(1,709 )
Change in deferred tax asset and other threshold deductions (MSRs and significant investments) (1,102)
Change in all other deductions, net
1,040
Basel 3 (fully phased-in) Tier 1 common capital
\$134,635
Risk-weighted assets - Basel 1 to Basel 3 (fully phased-in)
Basel 1 \$1,195,720
Net change in credit and other risk-weighted assets 216,246
Increase due to market risk amendment 88,881
Basel 3 (fully phased-in)
\$1,500,847
Tier 1 common capital ratios
Basel 1
\%
Basel 3 (fully phased-in)
Additionally, capital requirements for global, systemically important financial institutions, including the methodology for measuring systemic importance, the additional capital required (the SIFI buffer), and the arrangements by which they will be phased in were proposed by the Basel Committee in 2011. 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. This is proposed to be phased in from 2016 through 2018. U.S. banking regulators have not yet provided similar rules for the U.S. implementation of a 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 risk-based capital and leverage requirements, 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 are likely to influence our regulatory capital and liquidity planning process, and may impose additional operational and compliance costs on us.

For additional information regarding Basel 2, the Market Risk Amendment, Basel 3 and other proposed regulatory capital changes, see Note 18 - Regulatory Requirements and Restrictions to the Consolidated Financial Statements of the Corporation's 2011 Annual Report on Form 10-K.

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Bank of America, N.A. and FIA Card Services, N.A. Regulatory Capital
Table 20 presents regulatory capital information for BANA and FIA at September 30, 2012 and December 31, 2011.
Table 20
Bank of America, N.A. and FIA Card Services, N.A. Regulatory Capital

September 30, 2012
Actual

| (Dollars in millions) | Ratio | Amount | Minimum <br> Required <br> $(1)$ | Ratio | Amount | Minimum <br> Required <br> $(1)$ |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Tier 1 capital ratio |  |  |  |  |  |  |  |
| Bank of America, N.A. | 12.78 | $\%$ | $\$ 119,507$ | $\$ 56,123$ | 11.74 | $\%$ | $\$ 119,881$ | | $\$ 61,245$ |
| :--- |
| FIA Card Services, N.A. |

Bank of America, N.A.
FIA Card Services, N.A.
Total capital ratio
Bank of America, N.A.
FIA Card Services, N.A.
Tier 1 leverage ratio
Bank of America, N.A.
FIA Card Services, N.A.
${ }^{(1)}$ Dollar amount required to meet guidelines for well capitalized institutions.

December 31, 2011
Actual

BANA's Tier 1 capital ratio increased 104 bps to 12.78 percent and the Total capital ratio increased one bp to 15.18 percent at September 30, 2012 compared to December 31, 2011. The Tier 1 leverage ratio increased 11 bps to 8.76 percent at September 30, 2012 compared to December 31, 2011. The increase in the Tier 1 capital ratio was driven by a decrease in risk-weighted assets of $\$ 85.4$ billion compared to December 31, 2011 and earnings eligible to be included in capital of $\$ 3.0$ billion and $\$ 9.9$ billion for the three and nine months ended September 30, 2012. The increase in the Total capital ratio was driven by the same factor as discussed for the Tier 1 capital ratio above, largely offset by repurchases of subordinated debt of $\$ 2.9$ billion and $\$ 10.1$ billion in the three and nine months ended September 30, 2012. The increase in the Tier 1 leverage ratio was driven by a decrease in adjusted quarterly average total assets of $\$ 22.1$ billion, partially offset by a decrease in Tier 1 capital.

FIA's Tier 1 capital ratio decreased 122 bps to 16.41 percent and the Total capital ratio decreased 131 bps to 17.70 percent at September 30, 2012 compared to December 31, 2011. The Tier 1 leverage ratio decreased 75 bps to 13.47 percent at September 30, 2012 compared to December 31, 2011. The decrease in the Tier 1 capital and Total capital ratios was driven by returns of capital of $\$ 600$ million and $\$ 6.6$ billion to Bank of America Corporation during the three and nine months ended September 30, 2012, partially offset by earnings eligible to be included in capital of $\$ 1.0$ billion and $\$ 3.0$ billion. The decrease in the Tier 1 leverage ratio was driven by the decrease in Tier 1 capital, partially offset by a decrease in adjusted quarterly average total assets of $\$ 15.7$ billion.

## 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 that provides clearing and settlement services. Both entities are subject to the net capital requirements of Securities and Exchange Commission (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.

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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 September 30, 2012, MLPF\&S's regulatory net capital as defined by Rule 15c3-1 was $\$ 10.6$ billion and exceeded the minimum requirement of $\$ 738$ million by $\$ 9.9$ billion. MLPCC's net capital of $\$ 1.7$ billion exceeded the minimum requirement of $\$ 264$ 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 September 30, 2012, MLPF\&S had tentative net capital and net capital in excess of the minimum and notification requirements.

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## Economic Capital

Our economic capital measurement process provides a risk-based measurement of the capital required for unexpected credit, market and operational losses over a one-year time horizon at a 99.97 percent confidence level. Economic capital is allocated to each business unit, and is used for capital adequacy, performance measurement and risk management purposes. The strategic planning process utilizes economic capital with the goal of allocating risk appropriately and measuring returns consistently across all businesses and activities. Economic capital allocation plans are incorporated into the Corporation's financial plan which is approved by the Board on an annual basis. For additional information regarding economic capital, credit risk capital, market risk capital and operational risk capital, see page 52 of the MD\&A of the Corporation's 2011 Annual Report on Form 10-K.

Common Stock Dividends

Table 21 is a summary of our declared quarterly cash dividends on common stock during 2012 and through November 2, 2012.

Table 21
Common Stock Cash Dividend Summary
Declaration Date Record Date Payment Date Dividend Per Share

October 24, 2012 December 7, 2012
July 11, 2012
April 11, 2012
January 11, 2012

September 7, 2012
June 1, 2012
March 2, 2012
Payment Date Dividend Per Share

December 28, $2012 \quad \$ 0.01$
September 28, 20120.01
June 22, $2012 \quad 0.01$
March 23, 20120.01

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Preferred Stock Dividends
Table 22 is a summary of our cash dividend declarations on preferred stock during the third quarter of 2012 and through November 2, 2012. For additional information on preferred stock, see Note 15 - Shareholders' Equity to the Consolidated Financial Statements of the Corporation's 2011 Annual Report on Form 10-K.

Table 22
Preferred Stock Cash Dividend Summary
Outstanding

|  | Notional <br> Preferred Stock <br> Amount | Declaration Date Record Date |
| :--- | :--- | :--- | :--- | :--- | :--- |$\quad$ Payment Date | Per Annum |
| :--- | | Dividend |
| :--- |
| Dividend Rate |$\quad$| Per |
| :--- |
| Share |


| Series B ${ }^{(1)}$ | \$ 1 | July 11, 2012 | $\begin{aligned} & \text { October 11, } \\ & 2012 \end{aligned}$ | $\begin{aligned} & \text { October } 25, \\ & 2012 \end{aligned}$ | 7.00 | \% | \$ 1.75 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\begin{aligned} & \text { October 24, } \\ & 2012 \end{aligned}$ | $\begin{aligned} & \text { January 11, } \\ & 2013 \end{aligned}$ | $\begin{aligned} & \text { January } 25 \text {, } \\ & 2013 \end{aligned}$ | 7.00 |  | 1.75 |
| Series D ${ }^{(2)}$ | \$ 654 | July 3, 2012 | August 31, 2012 | $\begin{aligned} & \text { September 14, } \\ & 2012 \end{aligned}$ | 6.204 | \% | \$0.38775 |
|  |  | October 1, 2012 | $\begin{aligned} & \text { November 30, } \\ & 2012 \end{aligned}$ | $\begin{aligned} & \text { December } 14 \text {, } \\ & 2012 \end{aligned}$ | 6.204 |  | 0.38775 |
| Series E ${ }^{(2)}$ | \$ 317 | July 3, 2012 | July 31, 2012 | August 15, 2012 | Floating |  | \$0.25556 |
|  |  | October 1, 2012 | $\begin{aligned} & \text { October 31, } \\ & 2012 \end{aligned}$ | $\begin{aligned} & \text { November 15, } \\ & 2012 \end{aligned}$ | Floating |  | 0.25556 |
| Series F | \$ 141 | July 3, 2012 | August 31, 2012 | $\begin{aligned} & \text { September 17, } \\ & 2012 \end{aligned}$ | Floating |  | \$1,022.22 |
|  |  | October 1, 2012 | $\begin{aligned} & \text { November 30, } \\ & 2012 \end{aligned}$ | $\begin{aligned} & \text { December 17, } \\ & 2012 \end{aligned}$ | Floating |  | 1,011.11 |
| Series G | \$ 493 | July 3, 2012 | August 31, 2012 | $\begin{aligned} & \text { September 17, } \\ & 2012 \end{aligned}$ | Adjustable |  | \$1,022.22 |
|  |  | October 1, 2012 | $\begin{aligned} & \text { November 30, } \\ & 2012 \end{aligned}$ | $\begin{aligned} & \text { December 17, } \\ & 2012 \end{aligned}$ | Adjustable |  | 1,011.11 |
| Series H ${ }^{(2)}$ | \$ 2,862 | July 3, 2012 | July 15, 2012 | August 1, 2012 | 8.20 | \% | \$0.51250 |
|  |  | October 1, 2012 | $\begin{aligned} & \text { October } 15, \\ & 2012 \end{aligned}$ | $\begin{aligned} & \text { November 1, } \\ & 2012 \end{aligned}$ | 8.20 |  | 0.51250 |
| Series I ${ }^{(2)}$ | \$ 365 | July 3, 2012 | $\begin{aligned} & \text { September 15, } \\ & 2012 \end{aligned}$ | October 1, 2012 | 6.625 | \% | \$0.41406 |
|  |  | October 1, 2012 | $\begin{aligned} & \text { December 15, } \\ & 2012 \end{aligned}$ | January 2, 2013 | 6.625 |  | 0.41406 |
| Series J ${ }^{(2)}$ | \$ 951 | July 3, 2012 | July 15, 2012 | August 1, 2012 | 7.25 | \% | \$0.45312 |
|  |  | October 1, 2012 | $\begin{aligned} & \text { October } 15 \text {, } \\ & 2012 \end{aligned}$ | $\begin{aligned} & \text { November 1, } \\ & 2012 \end{aligned}$ | 7.25 |  | 0.45312 |
| Series K ${ }^{(3,4)}$ | \$ 1,544 | July 3, 2012 | July 15, 2012 | July 30, 2012 | Fixed-to-Floating |  | \$40.00 |
| Series L | \$ 3,080 | $\begin{aligned} & \text { September 17, } \\ & 2012 \end{aligned}$ | October 1, 2012 | $\begin{aligned} & \text { October 30, } \\ & 2012 \end{aligned}$ | 7.25 | \% | \$18.125 |
| Series M ${ }^{(3,4)}$ | \$ 1,310 | October 1, 2012 | $\begin{aligned} & \text { October 31, } \\ & 2012 \end{aligned}$ | $\begin{aligned} & \text { November 15, } \\ & 2012 \end{aligned}$ | Fixed-to-Floating |  | \$40.625 |
| Series T ${ }^{(1)}$ | \$ 5,000 | $\begin{aligned} & \text { September 17, } \\ & 2012 \end{aligned}$ | $\begin{aligned} & \text { September 24, } \\ & 2012 \end{aligned}$ | $\begin{aligned} & \text { October 10, } \\ & 2012 \end{aligned}$ | 6.00 | \% | \$1,500.00 |


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| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Series $1{ }^{(5)}$ | \$ 98 | July 3, 2012 | August 15, 2012 | August 28, 2012 | Floating |  | \$0.18750 |
|  |  | October 1, 2012 | $\begin{aligned} & \text { November 15, } \\ & 2012 \end{aligned}$ | $\begin{aligned} & \text { November 28, } \\ & 2012 \end{aligned}$ | Floating |  | 0.18750 |
| Series $2{ }^{(5)}$ | \$ 299 | July 3, 2012 | August 15, 2012 | August 28, 2012 | Floating | \$0.19167 |  |
|  |  | October 1, 2012 | $\begin{aligned} & \text { November 15, } \\ & 2012 \end{aligned}$ | November 28, 2012 | Floating |  | 0.19167 |
| Series 3 (5) | \$ 653 | July 3, 2012 | August 15, 2012 | August 28, 2012 | 6.375 | \% | \$0.39843 |
|  |  | October 1, 2012 | $\begin{aligned} & \text { November 15, } \\ & 2012 \end{aligned}$ | $\begin{aligned} & \text { November } 28 \text {, } \\ & 2012 \end{aligned}$ | 6.375 |  | 0.39843 |
| Series $4{ }^{(5)}$ | \$ 210 | July 3, 2012 | August 15, 2012 | August 28, 2012 | Floating | \$0.25556 |  |
|  |  | October 1, 2012 | $\begin{aligned} & \text { November 15, } \\ & 2012 \end{aligned}$ | $\begin{aligned} & \text { November } 28 \text {, } \\ & 2012 \end{aligned}$ | Floating |  | 0.25556 |
| Series $5{ }^{(5)}$ | \$ 422 | July 3, 2012 | August 1, 2012 | August 21, 2012 | Floating | \$0.25556 |  |
|  |  | October 1, 2012 | November 1, $2012$ | $\begin{aligned} & \text { November 21, } \\ & 2012 \end{aligned}$ | Floating |  | 0.25556 |
| Series $6{ }^{(6)}$ | \$ 59 | July 3, 2012 | September 14, 2012 | September 28, 2012 | 6.70 | \% | \$0.41875 |
|  |  | October 1, 2012 | $\begin{aligned} & \text { December 14, } \\ & 2012 \end{aligned}$ | $\begin{aligned} & \text { December 28, } \\ & 2012 \end{aligned}$ | 6.70 |  | 0.41875 |
| Series $7{ }^{(6)}$ | \$ 17 | July 3, 2012 | $\begin{aligned} & \text { September 14, } \\ & 2012 \end{aligned}$ | $\begin{aligned} & \text { September 28, } \\ & 2012 \end{aligned}$ | 6.25 | \% | \$0.39062 |
| Series $8{ }^{(5)}$ | \$ 2,673 | October 1, 2012 | $\begin{aligned} & \text { December 14, } \\ & 2012 \end{aligned}$ | $\begin{aligned} & \text { December 28, } \\ & 2012 \end{aligned}$ | 6.25 | 0.39062 |  |
|  |  | July 3, 2012 | August 15, 2012 | August 28, 2012 | 8.625 | \% | \$0.53906 |
|  |  | October 1, 2012 | $\begin{aligned} & \text { November } 15 \text {, } \\ & 2012 \end{aligned}$ | $\begin{aligned} & \text { November } 28 \text {, } \\ & 2012 \end{aligned}$ | 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. <br> ${ }^{(3)}$ Initially pays dividends semi-annually. |  |  |  |  |  |  |  |
| ${ }^{(4)}$ Dividends per depositary share, each representing a $1 / 25^{\text {th }}$ interest in a share of preferred stock. |  |  |  |  |  |  |  |
| ${ }^{(5)}$ Dividends per depositary share, each representing a $1 / 1,200^{\text {th }}$ interest in a share of preferred stock. |  |  |  |  |  |  |  |
| Dividend | depositar | hare, each represe | ng a $1 / 40^{\text {th }}$ inte | $t$ in a share of p | erred |  |  |

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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 an understanding of the 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 a group comprised of senior business, risk and finance executives. 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 (CFORC), Asset Liability and Market Risk Committee (ALMRC) and the Board's Enterprise Risk Committee (ERC) and serves to inform decision making by management and the Board.

## 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 Funding and Liquidity Risk Management on page 53 of the MD\&A of the Corporation's 2011 Annual Report on Form 10-K.

## 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 $\$ 380$ billion and $\$ 378$ billion at September 30, 2012 and December 31, 2011 and were maintained as presented in Table 23.

Table 23
Global Excess Liquidity Sources

| (Dollars in billions) | $\begin{aligned} & \text { September } 30 \\ & 2012 \end{aligned}$ | $\begin{aligned} & \text { December } 31 \\ & 2011 \end{aligned}$ | Average for |
| :---: | :---: | :---: | :---: |
|  |  |  | Three Months Ended |
|  |  |  | $\begin{aligned} & \text { September 30, } \\ & 2012 \end{aligned}$ |
| Parent company | \$ 102 | \$ 125 | \$103 |
| Bank subsidiaries | 254 | 222 | 257 |
| Broker/dealers | 24 | 31 | 27 |
| Total global excess liquidity sources | \$ 380 | \$ 378 | \$387 |

As shown in Table 23, parent company Global Excess Liquidity Sources totaled $\$ 102$ billion and $\$ 125$ billion at September 30, 2012 and December 31, 2011. The decrease in parent company liquidity was primarily due to long-term debt maturities, partially offset by dividends and capital repayments from subsidiaries. Typically, parent company cash is deposited overnight with BANA.

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Global Excess Liquidity Sources available to our bank subsidiaries totaled $\$ 254$ billion and $\$ 222$ billion at September 30, 2012 and December 31, 2011. The increase in liquidity available to our bank subsidiaries was primarily due to a reduction in loan balances and an increase in deposits. These amounts are distinct from the cash deposited by the parent company presented in Table 23. 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 $\$ 212$ billion and $\$ 189$ billion at September 30, 2012 and December 31, 2011. 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. 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 $\$ 24$ billion and $\$ 31$ billion at September 30, 2012 and December 31, 2011. 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.

Table 24 presents the composition of Global Excess Liquidity Sources at September 30, 2012 and December 31, 2011.
Table 24
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
September 30 December 31
$2012 \quad 2011$

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 \& Co., Inc. (Merrill Lynch). These include certain unsecured debt instruments, primarily structured liabilities, which we may be required to settle for cash prior to maturity. The Corporation has established a target minimum for Time to Required Funding of 21 months. Our Time to Required Funding was 35 months at September 30, 2012. For purposes of calculating Time to Required Funding at September 30, 2012, we have also included in the amount of unsecured contractual obligations the $\$ 8.6$ billion liability related to the BNY Mellon Settlement and the $\$ 2.4$ billion liability related to the Merrill Lynch Class Action Settlement. The Time to Required Funding at September 30, 2012 does not include the $\$ 5.0$ billion carrying value of redemptions of trust preferred securities announced on October 4, 2012. The BNY Mellon Settlement and the Merrill

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Lynch Class Action Settlement are subject to final court approval and certain other conditions, and the timing of payment is not certain.

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.

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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 further; 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.

For additional information on Time to Required Funding and liquidity stress modeling, see page 54 of the MD\&A of the Corporation's 2011 Annual Report on Form 10-K.

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 an acute 30-day stress scenario. 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 expects the LCR requirement to be implemented in January 2015 and the NSFR requirement to be implemented in January 2018, following an observation period that began in 2011. 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 $\$ 1.06$ trillion and $\$ 1.03$ trillion at September 30, 2012 and December 31, 2011. 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 FDIC. 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 reduced unsecured short-term borrowings at the parent company and broker/dealer subsidiaries, including commercial paper and master notes, to relatively insignificant amounts during the third quarter of 2011. For average and period-end balance discussions, see Balance Sheet Overview on page 15. For more information, see Note 12 Federal Funds Sold, Securities Borrowed or Purchased Under Agreements to Resell and Short-term Borrowings to the Consolidated Financial Statements of the Corporation's 2011 Annual Report on Form 10-K.

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Table 25 presents information on short-term borrowings.
Table 25
Short-term Borrowings

|  | Three Months Ended September 30 |  |  |  |  | Nine Months Ended September 30 |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Amount |  | Rate |  |  | Amount |  |  | Rate |  |  |
| (Dollars in millions) | 2012 | 2011 | 2012 |  | 2011 |  | 2012 | 2011 | 2012 |  | 2011 |
| Average during period |  |  |  |  |  |  |  |  |  |  |  |
| Federal funds purchased | \$211 | \$1,495 | 0.05 | \% | 0.05 | \% | \$229 | \$2,072 | 0.05 | \% | 0.08 |
| Securities loaned or sold under agreements to repurchase | 286,931 | 260,334 | 0.95 |  | 1.39 |  | 274,166 | 279,403 | 1.04 |  | 1.35 |
| Commercial paper ${ }^{(1)}$ | 10 | 2,653 | 0.15 |  | (2.27 | ) | 8 | 11,704 | 1.69 |  | 0.51 |
| Other short-term borrowing | 37,871 | 38,752 | 2.16 |  | 2.62 |  | 37,973 | 44,404 | 2.07 |  | 2.43 |
| Total | \$325,023 | \$303,234 | 1.09 |  | 1.51 |  | \$312,376 | \$337,583 | 1.16 |  | 1.46 |


| Maximum month-end balance during period |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Federal funds purchased | \$207 | \$1,38 |  | \$331 | \$4,133 |
| Securities loaned or sold under agreements to repurchase | 291,093 | 258,2 |  | 291,093 | 293,519 |
| Commercial paper | - | 5,836 |  | 172 | 21,212 |
| Other short-term borrowings | 40,129 | 38,99 |  | 40,129 | 47,087 |
|  | Septembe | 30, 20 |  | Decembe | 31, 2011 |
|  | Amount | Rate |  | Amount | Rate |
| Period-end balance |  |  |  |  |  |
| Federal funds purchased | \$198 | 0.05 | \% | \$243 | 0.06 |
| Securities loaned or sold under agreements to repurchase | 273,702 | 1.01 |  | 214,621 | 1.08 |
| Commercial paper | - | - |  | 23 | 1.70 |
| Other short-term borrowings | 35,291 | 2.71 |  | 35,675 | 2.35 |
| Total | \$309,191 | 1.17 |  | \$250,562 | 1.36 |

The interest rate for commercial paper for the three months ended September 30, 2011 included gains of $\$ 38$
${ }^{(1)}$ million reclassified from accumulated OCI to net interest income related to discontinuing certain cash flow hedges because it was no longer probable that the original forecasted transaction would occur.

We issue the majority of our long-term unsecured debt at the parent company. During the three and nine months ended September 30, 2012, the parent company issued $\$ 2.5$ billion and $\$ 13.3$ billion of long-term unsecured debt, including structured liabilities of $\$ 2.0$ billion and $\$ 7.0$ billion. We may also issue long-term unsecured debt at 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 during the nine months ended September 30, 2012. 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.

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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.

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 139.

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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 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 $\$ 52.5$ billion and $\$ 50.9$ billion at September 30, 2012 and December 31, 2011.

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.

Prior to 2010, we participated in the FDIC's Temporary Liquidity Guarantee Program, which allowed us to issue senior unsecured debt guaranteed by the FDIC in return for a fee based on the amount and maturity of the debt. At September 30, 2012, there were no outstanding borrowings under the program.

Table 26 presents the carrying value of aggregate annual maturities of long-term debt at September 30, 2012 and includes the carrying value of the trust preferred securities that will be redeemed, as previously announced on October 4, 2012. These trust preferred securities that will be redeemed are reflected in the "Thereafter" column in Table 26 as the table is based on contractual maturity. For additional information, see Recent Events - Capital and Liquidity Related Matters on page 7.

Table 26
Long-term Debt By Maturity

| (Dollars in millions) | 2012 | 2013 | 2014 | 2015 | 2016 | Thereafter | Total |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Bank of America Corporation | \$1,350 | \$11,568 | \$20,201 | \$15,227 | \$20,474 | \$69,054 | \$ 137,874 |
| Merrill Lynch \& Co., Inc. and subsidiaries | 6,034 | 18,152 | 18,252 | 5,050 | 3,663 | 38,777 | 89,928 |
| Bank of America, N.A. and subsidiaries | - | 58 | 16 | - | 1,098 | 8,336 | 9,508 |
| Other debt | 2,762 | 4,862 | 1,610 | 266 | 75 | 1,594 | 11,169 |
| Total long-term debt excluding consolidated VIEs | 10,146 | 34,640 | 40,079 | 20,543 | 25,310 | 117,761 | 248,479 |
| Long-term debt of consolidated VIEs | 1,998 | 13,941 | 8,922 | 1,504 | 2,386 | 9,304 | 38,055 |
| Total long-term debt | \$ 12,144 | \$48,581 | \$49,001 | \$22,047 | \$27,696 | \$127,065 | \$286,534 |

Table 27 presents our long-term debt in the following currencies at September 30, 2012 and December 31, 2011.
Table 27
Long-term Debt By Major Currency
(Dollars in millions)

| U.S. Dollar | $\$ 190,421$ | $\$ 255,262$ |
| :--- | :--- | :--- |
| Euro | 58,269 | 68,799 |
| Japanese Yen | 14,262 | 19,568 |
| British Pound | 10,987 | 12,554 |
| Canadian Dollar | 3,643 | 4,621 |

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| Australian Dollar | 2,797 | 4,900 |
| :--- | :--- | :--- |
| Swiss Franc | 1,885 | 2,268 |
| Other | 4,270 | 4,293 |
| Total long-term debt | $\$ 286,534$ | $\$ 372,265$ |

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Total long-term debt decreased $\$ 85.7$ billion, or 23 percent, at September 30, 2012 compared to December 31, 2011, primarily driven by maturities and liability management. This reflects our ongoing initiative to reduce our debt balances over time and we anticipate that debt levels will continue to decline, from both maturities and liability management, as appropriate through 2013. We may, from time to time, purchase outstanding debt securities 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 13 - Long-term Debt to the Consolidated Financial Statements of the Corporation's 2011 Annual Report on Form 10-K and for additional information regarding funding and liquidity risk management, see pages 53 through 57 of the MD\&A of the Corporation's 2011 Annual Report on Form 10-K.

## 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 over-the-counter (OTC) derivatives. Thus, it is our objective to maintain high-quality credit ratings.

Credit ratings and outlooks are opinions 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.

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 Bank of America. As part of this action, Fitch affirmed the Corporation's credit ratings. On June 21, 2012, Moody's Investors Service, Inc. (Moody's) completed its previously-announced review for possible downgrade of financial institutions with global capital markets operations, downgrading the ratings of 15 banks and securities firms, including our ratings. The Corporation's long-term debt rating and BANA's long-term and short-term debt ratings were downgraded one notch as part of this action. The

Moody's downgrade has not had a material impact on our financial condition, results of operations or liquidity. Each of the three major rating agencies, Moody's, Standard and Poor's Ratings Services (S\&P) and Fitch, downgraded the ratings for the Corporation and its rated subsidiaries in late 2011.

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 currently 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 Bank of America Corporation. The major credit rating agencies have indicated that the primary drivers of Merrill Lynch's credit ratings are Bank of America 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 ratings are A/A-1 (negative) by S\&P.

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. For additional information, see Liquidity Risk - Credit Ratings on page 56 of the MD\&A of the Corporation's 2011 Annual Report on Form 10-K.

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A further 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 further 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.

At September 30, 2012, 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 $\$ 2.9$ billion comprised of $\$ 2.3$ billion for BANA and $\$ 538$ million for Merrill Lynch and certain of its subsidiaries. If the agencies had downgraded their long-term senior debt ratings for these entities by a second incremental notch, approximately $\$ 4.3$ billion in additional collateral comprised of $\$ 331$ million 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 September 30, 2012 was $\$ 4.5$ billion, against which $\$ 3.8$ billion of collateral had 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 September 30, 2012 was an incremental $\$ 1.9$ billion, against which $\$ 1.2$ billion of collateral had 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 Time to Required Funding and Stress Modeling on page 79.

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 2011 Annual Report on Form 10-K.

On June 8, 2012, S\&P affirmed its 'AA+' long-term and 'A-1+' short-term sovereign credit rating on the U.S. The outlook remains negative. On July 10, 2012, Fitch affirmed its 'AAA' long-term and 'F1+' short-term sovereign credit rating on the U.S. The outlook remains negative. All three rating agencies have indicated that they will continue to assess fiscal projections and consolidation measures, as well as the medium-term economic outlook for the U.S. For additional information, see Liquidity Risk - Credit Ratings on page 56 of the MD\&A of the Corporation's 2011 Annual Report on Form 10-K.

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Credit Risk Management
Credit quality continued to show improvement during the third quarter of 2012. Our proactive credit risk management initiatives positively impacted the credit portfolio as charge-offs and delinquencies continued to improve across most portfolios and risk ratings improved in the commercial portfolios. For more information, see Executive Summary Third Quarter 2012 Economic and Business Environment on page 7.

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.

During 2012, new regulatory guidance issued regarding the treatment of loans discharged in Chapter 7 bankruptcy and regulatory interagency guidance issued on junior-lien consumer real estate loans as well as the impact of the National Mortgage Settlement adversely impacted the consumer portfolio's nonperforming loan and net-charge off statistics. For more information, see Consumer Portfolio Credit Risk Management on page 86 and Table 29.

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 124 and Item 1A. Risk Factors of the Corporation's 2011 Annual Report on Form 10-K.

For information on our Credit Risk Management activities, see Consumer Portfolio Credit Risk Management on page 86, Commercial Portfolio Credit Risk Management on page 110, Non-U.S. Portfolio on page 124, Provision for Credit Losses on page 129 and Allowance for Credit Losses on page 130.

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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 existing 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 economic capital allocations for credit risk.

Since January 2008, and through the third quarter of 2012, Bank of America and Countrywide have completed approximately 1.1 million loan modifications with customers. During the third quarter of 2012, we completed nearly 38,000 customer loan modifications with a total unpaid principal balance of approximately $\$ 8$ billion, including approximately 8,100 permanent modifications under the government's Making Home Affordable Program. Of the loan modifications completed in the three months ended September 30, 2012, 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 capitalization of past due amounts which represented 44 percent of the volume of modifications completed during the three months ended September 30, 2012, while principal reductions and forgiveness represented 20 percent, principal forbearance represented 18 percent and capitalization of past due amounts represented eight percent. For modified loans on our balance sheet, these modification types are generally considered TDRs. For more information on TDRs and portfolio impacts, see Nonperforming Consumer Loans and Foreclosed Properties Activity on page 106 and Note 5 - Outstanding Loans and Leases to the Consolidated Financial Statements.

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Consumer Credit Portfolio
As a result of the National Mortgage Settlement, in the third quarter of 2012, we incurred charge-offs of $\$ 435$ million related to fully forgiven non-PCI loans in the home equity portfolio, which resulted in reductions of the same amount in nonperforming loans. Associated with the settlement, in the third quarter of 2012, we also fully forgave home equity loans in the Countrywide PCI portfolio with a carrying value before reserves of $\$ 1.6$ billion and an unpaid principal balance of $\$ 1.8$ billion which resulted in a decrease in the corresponding allowance for loan and lease losses. These items had no impact on the provision for credit losses as these loans were fully reserved. For more information on the National Mortgage Settlement, see Off-Balance Sheet Arrangements and Contractual Obligations - Servicing Matters and Foreclosure Processes on page 67.

During the third quarter of 2012, new regulatory guidance was issued addressing certain consumer real estate loans that have been discharged in Chapter 7 bankruptcy. In accordance with this new guidance, we now 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. Previously, such loans were classified as TDRs only if there had been a change in contractual payment terms that represented a concession to the borrower. The net impact to the consumer real estate portfolio of adopting this new regulatory guidance was a $\$ 478$ million increase in net charge-offs as these loans were written-down to collateral value resulting in a provision increase of $\$ 339$ million and reduced reserves of $\$ 139$ million. This also resulted in an increase of $\$ 3.5$ billion in TDRs and $\$ 1.1$ billion in net new nonperforming loans of which $\$ 954$ million, or 91 percent, were current on their contractual payments. Of these contractually current nonperforming loans, more than 70 percent were discharged in Chapter 7 bankruptcy more than 12 months ago, and nearly 40 percent were discharged 24 months or more ago. As subsequent cash payments are received, the interest component of the payments will be recorded as interest income on a cash basis and the principal component will be recorded as a reduction in the carrying value of the loan. For more information on the impacts to consumer home loans TDRs as a result of this new regulatory guidance, see Note 5 - Outstanding Loans and Leases to the Consolidated Financial Statements.

During the first quarter of 2012, the bank regulatory agencies jointly issued interagency supervisory guidance on nonaccrual status for junior-lien consumer real estate loans. In accordance with this 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, and as a result, we reclassified $\$ 1.9$ billion of performing home equity loans to nonperforming as of March 31, 2012, and $\$ 1.4$ billion of such loans were included in nonperforming loans at September 30, 2012. The regulatory interagency guidance had no impact on our allowance for loan and lease losses or provision for credit losses as the delinquency status of the underlying first-lien was already considered in our reserving process. For more information, see Consumer Portfolio Credit Risk Management - Home Equity on page 97.

Improved credit quality across the consumer portfolio and the impact of the National Mortgage Settlement and the new regulatory guidance on Chapter 7 bankruptcy, as discussed in the following section, drove a $\$ 6.6$ billion decrease in the consumer allowance for loan and lease losses to $\$ 23.1$ billion at September 30, 2012 compared to December 31, 2011. For more information, see Allowance for Credit Losses on page 130.

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 2011 Annual Report on Form 10-K.

Improvement in the U.S. economy and labor markets throughout most of 2011 and into the nine months ended September 30, 2012 resulted in lower credit losses in most consumer portfolios compared to the nine months ended September 30, 2011. Although home prices have shown signs of improvement in recent months, the declines over the
past several years continued to adversely impact the home loans portfolio.

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Table 28 presents our outstanding consumer loans and the Countrywide PCI loan portfolio. Loans that were acquired from Countrywide and considered credit-impaired were recorded at fair value upon acquisition. In addition to being included in the "Outstandings" columns in Table 28, these loans are also shown separately, net of purchase accounting adjustments, in the "Countrywide Purchased Credit-impaired Loan Portfolio" column. For additional information, see Note 5 - Outstanding Loans and Leases to the Consolidated Financial Statements. The impact of the Countrywide PCI loan portfolio on certain credit statistics is reported where appropriate. See Countrywide Purchased Credit-impaired Loan Portfolio on page 101 for more information. Under certain circumstances, loans that were originally classified as discontinued real estate loans upon acquisition have been subsequently modified from pay option or subprime loans into loans with more conventional terms and are now included in the residential mortgage portfolio, but continue to be classified as PCI loans as shown in Table 28.

Table 28
Consumer Loans
(Dollars in millions)
Residential mortgage ${ }^{(1)}$
Home equity
Discontinued real estate ${ }^{(2)}$
U.S. credit card

Non-U.S. credit card
Direct/Indirect consumer ${ }^{(3)}$
Other consumer ${ }^{(4)}$
Consumer loans excluding loans accounted for under the fair value option
Loans accounted for under the fair value option (5)
Total consumer loans

| Outstandings |  | Countrywide Purchased Credit-impaired Loan Portfolio |  |
| :---: | :---: | :---: | :---: |
| September | 30cember 31 | Septem | December 31 |
| 2012 | 2011 | 2012 | 2011 |
| \$ 247,340 | \$ 262,290 | \$9,336 | \$ 9,966 |
| 112,260 | 124,699 | 9,709 | 11,978 |
| 9,876 | 11,095 | 8,803 | 9,857 |
| 93,162 | 102,291 | n/a | $\mathrm{n} / \mathrm{a}$ |
| 13,320 | 14,418 | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ |
| 82,404 | 89,713 | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ |
| 2,714 | 2,688 | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ |
| 561,076 | 607,194 | 27,848 | 31,801 |
| 1,202 | 2,190 | n/a | n/a |
| \$562,278 | \$ 609,384 | \$27,848 | \$ 31,801 |

(1) Outstandings include non-U.S. residential mortgages of $\$ 94$ million and $\$ 85$ million at September 30, 2012 and December 31, 2011.
(2) Outstandings include $\$ 8.8$ billion and $\$ 9.9$ billion of pay option loans and $\$ 1.1$ billion and $\$ 1.2$ billion of subprime loans at September 30, 2012 and December 31, 2011. We no longer originate these products.
Outstandings include dealer financial services loans of $\$ 36.0$ billion and $\$ 43.0$ billion, consumer lending loans of
(3) $\$ 5.6$ billion and $\$ 8.0$ billion, U.S. securities-based lending margin loans of $\$ 26.7$ billion and $\$ 23.6$ billion, student loans of $\$ 5.0$ billion and $\$ 6.0$ billion, non-U.S. consumer loans of $\$ 7.9$ billion and $\$ 7.6$ billion and other consumer loans of $\$ 1.2$ billion and $\$ 1.5$ billion at September 30, 2012 and December 31, 2011.
Outstandings include consumer finance loans of $\$ 1.5$ billion and $\$ 1.7$ billion, other non-U.S. consumer loans of
(4) $\$ 1.1$ billion and $\$ 929$ million and consumer overdrafts of $\$ 152$ million and $\$ 103$ million at September 30, 2012 and December 31, 2011.
Consumer loans accounted for under the fair value option include residential mortgage loans of $\$ 160$ million and $\$ 906$ million and discontinued real estate loans of $\$ 1.0$ billion and $\$ 1.3$ billion at September 30, 2012 and
(5) December 31, 2011. See Consumer Portfolio Credit Risk Management - Consumer Loans Accounted for Under the Fair Value Option on page 106 and Note 16 - 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 29 presents the impacts of the National Mortgage Settlement and the new regulatory guidance on Chapter 7 bankruptcy on nonperforming loans and net charge-offs, and the impact of the regulatory interagency guidance on nonaccrual status for junior-lien consumer real estate loans on nonperforming loans for the Core portfolio and Legacy Assets \& Servicing portfolio within the home loans portfolio. These impacts are included in the following consumer credit portfolio discussions. For more information on these impacts, see Consumer Portfolio Credit Risk Management on page 86 .

Table 29
Impact of the National Mortgage Settlement and Regulatory Agency Guidance

| (Dollars in millions) | National <br> Mortgage Settlement |  | New Regulatory Guidance on Treatment of Bankruptcies |  | Regulatory Interagency Guidance ${ }^{(1)}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Nonperforming | Net Charge-offs (2) | Nonperforming | Net Charge-offs | Nonperforming |
|  | $\begin{aligned} & \text { September } 30 \\ & 2012 \end{aligned}$ | Three and Nine Months Ended September 30, 2012 | $\begin{aligned} & \text { September } 30 \\ & 2012 \end{aligned}$ | Three and Nine Months Ended September 30, 2012 | $\begin{aligned} & \text { September } 30 \\ & 2012 \end{aligned}$ |
| Core portfolio |  |  |  |  |  |
| Residential mortgage | \$- | \$- | \$169 | \$11 | \$- |
| Home equity | (91 | 91 | 153 | 66 | 443 |
| Total Core portfolio | (91 | 91 | 322 | 77 | 443 |
| Legacy Assets \& Servicing portfolio |  |  |  |  |  |
| Residential mortgage | - | - | 388 | 43 | - |
| Home equity | (344 ) | ) 344 | 330 | 358 | 985 |
| Discontinued real estate | - | - | 10 | - | - |
| Total Legacy Assets \& Servicing portfolio | (344 | 344 | 728 | 401 | 985 |
| Home loans portfolio |  |  |  |  |  |
| Residential mortgage | - | - | 557 | 54 | - |
| Home equity | (435 ) | ) 435 | 483 | 424 | 1,428 |
| Discontinued real estate | - | - | 10 | - | - |
| Total home loans portfolio | \$(435 ) | ) \$435 | \$1,050 | \$478 | \$1,428 |

(1) During the first quarter of 2012, the bank regulatory agencies jointly issued interagency supervisory guidance on nonaccrual status for junior-lien consumer real estate loans.
Net charge-offs exclude $\$ 1.6$ billion of write-offs in the Countrywide home equity PCI portfolio for the three and
${ }^{(2)}$ nine months ended September 30, 2012. These write-offs decreased the PCI valuation allowance included as part of the allowance for loan and lease losses.

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Table 30 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, consumer non-real estate-secured loans or unsecured consumer loans as these loans are generally 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 (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 related to our purchases of delinquent FHA loans pursuant to our servicing agreements. Additionally, nonperforming loans and accruing balances past due 90 days or more do not include the Countrywide 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 67.

Table 30
Consumer Credit Quality
(Dollars in millions)
Residential mortgage ${ }^{(2)}$
Home equity
Discontinued real estate
U.S. credit card

Non-U.S. credit card
Direct/Indirect consumer
Other consumer
Total (3)
Consumer loans as a percentage of outstanding consumer loans (3)

Accruing Past Due 90 Days or More

| September 30 | December 31 | September 30 | December 31 |
| :--- | :--- | :--- | :--- |
| 2012 | 2011 | $2012(1)$ | 2011 |
| $\$ 21,817$ | $\$ 21,164$ | $\$ 15,175$ | $\$ 15,970$ |
| - | - | 4,275 | 2,453 |
| - | - | 266 | 290 |
| 1,471 | 2,070 | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ |
| 224 | 342 | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ |
| 575 | 746 | 36 | 40 |
| 1 | 2 | 1 | 15 |
| $\$ 24,088$ | $\$ 24,324$ | $\$ 19,753$ | $\$ 18,768$ |
| 4.29 | $\%$ | 4.01 | $\%$ |
|  |  | 3.52 | $\%$ |
|  |  |  | 3.09 |

Consumer loans as a percentage of outstanding loans excluding Countrywide PCI and fully-insured loan 0.51 portfolios ${ }^{(3)}$
(1) Nonperforming loans include the impacts of the National Mortgage Settlement and guidance issued by regulatory agencies. For more information, see Consumer Portfolio Credit Risk Management on page 86 and Table 29. Balances accruing past due 90 days or more are fully-insured loans. These balances include $\$ 17.1$ billion and $\$ 17.0$
(2) 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 $\$ 4.7$ billion and $\$ 4.2$ billion of loans on which interest was still accruing at September 30, 2012 and December 31, 2011.
Balances exclude consumer loans accounted for under the fair value option. At September 30, 2012 and
(3) December 31, 2011, $\$ 448$ million and $\$ 713$ 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 31 presents net charge-offs and related ratios for consumer loans and leases for the three and nine months ended September 30, 2012 and 2011.

Table 31
Consumer Net Charge-offs and Related Ratios ${ }^{(1)}$
Net Charge-offs (2)
Three Months
Ended September 30

| (Dollars in millions) | 2012 | 2011 | 2012 | 2011 | 2012 |  | 2011 |  | 2012 | 2011 |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Residential mortgage | $\$ 707$ | $\$ 989$ | $\$ 2,339$ | $\$ 2,998$ | 1.12 | $\%$ | 1.47 | $\%$ | 1.22 | $\%$ | 1.51 |$\%$

Net charge-offs and related ratios for the three and nine months ended September 30, 2012 include the impacts of
${ }^{(1)}$ the National Mortgage Settlement and new regulatory guidance on Chapter 7 bankruptcy. For more information, see Consumer Portfolio Credit Risk Management on page 86 and Table 29.
Net charge-offs exclude $\$ 1.7$ billion of write-offs in the Countrywide home equity PCI portfolio for the three and
${ }^{(2)}$ nine months ended September 30, 2012. These write-offs decreased the PCI valuation allowance included as part of the allowance for loan and lease losses.
(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.

Net charge-off ratios excluding the Countrywide PCI and fully-insured loan portfolios were 1.88 percent and 2.05 percent for residential mortgage, 6.13 percent and 4.29 percent for home equity, 8.46 percent and 6.21 percent for discontinued real estate and 3.35 percent and 3.12 percent for the total consumer portfolio for the three and nine months ended September 30, 2012, respectively. Net charge-off ratios excluding the Countrywide PCI and fully-insured loan portfolios were 2.35 percent and 2.34 percent for residential mortgage, 3.70 percent and 3.94 percent for home equity, 8.34 percent and 7.25 percent for discontinued real estate and 3.50 percent and 3.86 percent for the total consumer portfolio for the three and nine months ended September 30, 2011, respectively. These are the only product classifications impacted by the Countrywide PCI and fully-insured loan portfolios for the three and nine months ended September 30, 2012 and 2011.

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Table 32 presents outstandings, nonperforming balances and net charge-offs for the Core portfolio and the Legacy Assets \& Servicing portfolio within the home loans portfolio. For more information on Legacy Assets \& Servicing within CRES, see page 38 and Consumer Portfolio Credit Risk Management on page 58 of the MD\&A of the Corporation's 2011 Annual Report on Form 10-K.

Table 32
Home Loans Portfolio


Net charge-offs exclude $\$ 1.7$ billion of write-offs in the Countrywide home equity PCI portfolio for the three and
${ }^{(1)}$ nine months ended September 30, 2012. These write-offs decreased the PCI valuation allowance included as part of the allowance for loan and lease losses.
Nonperforming loans and net charge-offs include the impacts of the National Mortgage Settlement and guidance
${ }^{(2)}$ issued by regulatory agencies. For more information, see Consumer Portfolio Credit Risk Management on page 86 and Table 29.
Balances exclude consumer loans accounted for under the fair value option of $\$ 160$ million and $\$ 906$ million of residential mortgage loans and $\$ 1.0$ billion and $\$ 1.3$ billion of discontinued real estate loans at September 30, 2012
${ }^{(3)}$ and December 31, 2011. See Consumer Portfolio Credit Risk Management - Consumer Loans Accounted for Under the Fair Value Option on page 106 and Note 16 - 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 Countrywide 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, home equity and discontinued real estate portfolios, we provide information that excludes the impact of the

Countrywide 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 Countrywide PCI loan portfolios on page 101.

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## Residential Mortgage

The residential mortgage portfolio, which for purposes of the consumer credit portfolio discussion and related tables excludes the discontinued real estate portfolio acquired from Countrywide, makes up the largest percentage of our consumer loan portfolio at 44 percent of consumer loans at September 30, 2012. 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, delinquent FHA loans repurchased pursuant to our servicing agreements with GNMA as well as repurchases related to our representations and warranties.

Outstanding balances in the residential mortgage portfolio, excluding $\$ 160$ million of loans accounted for under the fair value option, decreased $\$ 15.0$ billion at September 30, 2012 compared to December 31, 2011 as paydowns, charge-offs and transfers to foreclosed properties more than offset new origination volume retained on our balance sheet.

At September 30, 2012 and December 31, 2011, the residential mortgage portfolio included $\$ 91.6$ billion and $\$ 93.9$ 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 September 30, 2012 and December 31, 2011, $\$ 66.3$ billion and $\$ 69.5$ billion had FHA insurance and $\$ 25.3$ billion and $\$ 24.4$ billion were protected by long-term stand-by agreements. All of these loans are individually insured and therefore the Corporation does not record an allowance for credit losses with respect to these loans.

At September 30, 2012 and December 31, 2011, $\$ 24.1$ billion and $\$ 24.0$ billion of the FHA-insured loan population were repurchases of delinquent FHA loans pursuant to our servicing agreements with GNMA.

In addition to the abovementioned purchased 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 September 30, 2012 and December 31, 2011, the synthetic securitization vehicles referenced principal balances of $\$ 19.1$ billion and $\$ 23.9$ billion of residential mortgage loans and provided loss protection up to $\$ 565$ million and $\$ 783$ million. At September 30, 2012 and December 31, 2011, the Corporation had a receivable of $\$ 328$ million and $\$ 359$ 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 Countrywide PCI and fully-insured loan portfolios, for the three and nine months ended September 30, 2012 would have been reduced by eight bps for both periods compared to nine bps and 14 bps for the same periods in 2011.

Synthetic securitizations and the long-term stand-by agreements with FNMA and FHLMC together reduce our regulatory risk-weighted assets due to the transfer of a portion of our credit risk to unaffiliated parties. At September 30, 2012 and December 31, 2011, these programs had the cumulative effect of reducing our risk-weighted assets by $\$ 7.7$ billion and $\$ 7.9$ billion, and increasing our Tier 1 capital ratio by nine bps and eight bps, and our Tier 1 common capital ratio by seven bps and six bps.

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Table 33 presents certain residential mortgage key credit statistics on both a reported basis excluding loans accounted for under the fair value option, and excluding the Countrywide PCI loan portfolio, fully-insured loan portfolio and loans accounted for under the fair value option. 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 Countrywide PCI loan portfolio, the fully-insured loan portfolio and loans accounted for under the fair value option. For more information on the Countrywide PCI loan portfolio, see page 101.

Table 33
Residential Mortgage - Key Credit Statistic ${ }^{(1)}$
(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 <br> less than 100 | 14 | $\%$ | 15 | $\%$ | 10 | $\%$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| Refreshed LTV greater <br> than 100 | 33 | 33 | 24 | 26 |  |  |
| Refreshed FICO below <br> 620 | 21 | 21 | 14 | 15 |  |  |
| 2006 and 2007 vintages <br> $(3)$ | 25 | 27 | 34 | 37 |  |  |

Reported Basis (2)
Excluding Countrywide Purchased Credit-impaired and Fully-insured Loans
September 30December 31 September 30December 31
$201220112012 \quad 2011$
\$247,340 \$262,290 \$146,367 \$158,470
28,420 28,688 3,332 3,950
21,817 21,164 n/a n/a
$15,175 \quad 15,970 \quad 15,175 \quad 15,970$

Reported Basis
Three Months Ended Nine Months Ended September 30
20122011
$\begin{array}{llllllll}\begin{array}{l}\text { Net charge-off } \\ \text { ratio (4) }\end{array} & 1.12 & \% & 1.47 & \% & 1.22 & \% & 1.51\end{array}$

Excluding Countrywide Purchased Credit-impaired and Fully-insured Loans Three Months Ended Nine Months Ended September 30
20122011 \% 1.88 \% 2.35

September 30
20122011 \% 2.05 \% 2.34

Nonperforming loans at September 30, 2012 and net charge-off ratios for the three and nine months ended
${ }^{(1)}$ September 30, 2012 include the impact of new regulatory guidance on Chapter 7 bankruptcy. For more information, see Consumer Portfolio Credit Risk Management on page 86 and Table 29.
Outstandings, accruing past due, nonperforming loans and percent of portfolio exclude loans accounted for under the fair value option. There were $\$ 160$ million and $\$ 906$ million of residential mortgage loans accounted for under
${ }^{(2)}$ the fair value option at September 30, 2012 and December 31, 2011. See Consumer Portfolio Credit Risk Management - Consumer Loans Accounted for Under the Fair Value Option on page 106 and Note 16 - Fair Value Option to the Consolidated Financial Statements for additional information on the fair value option.

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These vintages of loans account for 60 percent and 63 percent of nonperforming residential mortgage loans at September 30, 2012 and December 31, 2011, and 69 percent and 71 percent of residential mortgage net charge-offs for the three and nine months ended September 30, 2012 and 70 percent and 73 percent for the three and nine months ended September 30, 2011.
(4) 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.
$\mathrm{n} / \mathrm{a}=$ not applicable
Nonperforming residential mortgage loans decreased $\$ 795$ million compared to December 31, 2011 as outflows, driven primarily by paydowns, charge-offs and returns to performing status, outpaced new inflows which included the addition of $\$ 557$ million of nonperforming loans as a result of new regulatory guidance related to loans discharged in Chapter 7 bankruptcy. At September 30, 2012, the borrowers were current on contractual payments with respect to $\$ 3.1$ billion, or 20 percent of nonperforming residential mortgage loans, and $\$ 9.5$ billion, or 63 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 estimated costs to sell. Accruing loans past due 30 days or more decreased $\$ 618$ million compared to December 31, 2011.

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Net charge-offs decreased $\$ 282$ million to $\$ 707$ million for the three months ended September 30, 2012, or 1.88 percent of total average residential mortgage loans, compared to $\$ 989$ million, or 2.35 percent, for the same period in 2011. Net charge-offs decreased $\$ 659$ million to $\$ 2.3$ billion for the nine months ended September 30, 2012, or 2.05 percent of total average residential mortgage loans compared to $\$ 3.0$ billion, or 2.34 percent, for the same period in 2011. These decreases in net charge-offs for the three- and nine-month periods were primarily driven by decreased write-downs on loans greater than 180 days past due which were written down to the estimated fair value of the collateral less estimated costs to sell, and favorable delinquency trends. In addition, the three months ended September 30, 2012 included $\$ 54$ million in net charge-offs related to loans discharged in Chapter 7 bankruptcy that were written down to the underlying collateral value as a result of new regulatory guidance. For more information on the new regulatory guidance on Chapter 7 bankruptcy, see Consumer Portfolio Credit Risk Management on page 86 and Table 29. 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 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 following disclosures 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 five percent and six percent of the residential mortgage portfolio at September 30, 2012 and December 31, 2011, and accounted for 21 percent of the residential mortgage net charge-offs during both the three and nine months ended September 30, 2012 compared to 23 percent for both the same periods in 2011.

Residential mortgage loans with a greater than 90 percent but less than 100 percent refreshed LTV represented 10 percent and 11 percent of the residential mortgage portfolio at September 30, 2012 and December 31, 2011. Loans with a refreshed LTV greater than 100 percent represented 24 percent and 26 percent of the residential mortgage loan portfolio at September 30, 2012 and December 31, 2011. Of the loans with a refreshed LTV greater than 100 percent, 91 percent and 92 percent were performing at September 30, 2012 and December 31, 2011. 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 over the past several years. Loans to borrowers with refreshed FICO scores below 620 represented 14 percent and 15 percent of the residential mortgage portfolio at September 30, 2012 and December 31, 2011.

Of the $\$ 146.4$ billion and $\$ 158.5$ billion in total residential mortgage loans outstanding at September 30, 2012 and December 31, 2011, as shown in Table 33, 40 percent were originated as interest-only loans for both periods. The outstanding balance of interest-only residential mortgage loans that have entered the amortization period was $\$ 13.8$ billion, or 23 percent, at September 30, 2012. Residential mortgage loans that have entered the amortization period have experienced a higher rate of early stage delinquencies and nonperforming status compared to the residential mortgage portfolio as a whole. As of September 30, 2012, \$387 million, or three percent of outstanding interest-only residential mortgages that had entered the amortization period were accruing past due 30 days or more compared to $\$ 3.3$ billion, or two percent of accruing past due 30 days or more for the entire residential mortgage portfolio. In addition, at September 30, 2012, $\$ 2.3$ billion, or 17 percent of outstanding interest-only residential mortgages that had entered the amortization period were nonperforming compared to $\$ 15.2$ 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 10 years and more than 85 percent of these loans will not be required to make a fully-amortizing payment until 2015 or later.

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Table 34 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 September 30, 2012 and December 31, 2011. Loans within this MSA comprised only nine percent and eight percent of net charge-offs for the three and nine months ended September 30, 2012 and seven percent of net charge-offs for both the three and nine months ended September 30, 2011.

Table 34
Residential Mortgage State Concentrations

|  | Outstandings ${ }^{(1)}$ |  | Nonperforming ${ }^{(1)}$ |  | Net Charge-offs Three Months |  | Nine Months |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |
|  | September 3December 31 |  | September$30$ | $\begin{aligned} & \text { December } 31 \\ & 2011 \end{aligned}$ | Three Months <br> Ended <br> September 30 |  | Ended <br> September 30 |  |
|  | September 2012 | 2011 |  |  |  |  |  |  |
| (Dollars in millions) |  |  | $2012{ }^{(2)}$ |  | ${ }_{(2)} 2012$ | 2011 | ${ }_{(2)} 2012$ | 2011 |
| California | \$49,587 | \$ 54,203 | \$5,220 | \$ 5,606 | \$278 | \$339 | \$858 | \$1,012 |
| Florida ${ }^{(3)}$ | 11,243 | 12,338 | 1,636 | 1,900 | 73 | 142 | 272 | 484 |
| New York ${ }^{(3)}$ | 11,141 | 11,539 | 888 | 838 | 17 | 29 | 57 | 85 |
| Texas | 6,989 | 7,525 | 458 | 425 | 11 | 16 | 39 | 42 |
| Virginia | 5,207 | 5,709 | 400 | 399 | 12 | 14 | 40 | 51 |
| Other U.S./Non-U.S. | 62,200 | 67,156 | 6,573 | 6,802 | 316 | 449 | 1,073 | 1,324 |
| Residential mortgage loans (4) | \$ 146,367 | \$ 158,470 | \$15,175 | \$ 15,970 | \$707 | \$989 | \$2,339 | \$2,998 |
| Fully-insured loan portfolio | 91,637 | 93,854 |  |  |  |  |  |  |
| Countrywide purchased credit-impaired | 9,336 | 9,966 |  |  |  |  |  |  |

residential mortgage
loan portfolio
Total residential
mortgage loan portfolio $\$ 247,340 \quad \$ 262,290$
Outstandings and nonperforming amounts exclude loans accounted for under the fair value option. There were $\$ 160$ million and $\$ 906$ million of residential mortgage loans accounted for under the fair value option at
${ }^{(1)}$ September 30, 2012 and December 31, 2011. See Consumer Portfolio Credit Risk Management - Consumer Loans Accounted for Under the Fair Value Option on page 106 and Note 16 - Fair Value Option to the Consolidated Financial Statements for additional information on the fair value option.
(2) Nonperforming loans and net charge-offs include the impact of new regulatory guidance on Chapter 7 bankruptcy. For more information, see Consumer Portfolio Credit Risk Management on page 86 and Table 29.
${ }^{(3)}$ In these states, foreclosure requires a court order following a legal proceeding (judicial states).
${ }^{(4)}$ Amount excludes the Countrywide PCI residential mortgage and fully-insured loan portfolios.
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 September 30, 2012 and December 31, 2011, our CRA portfolio was $\$ 11.3$ billion and $\$ 12.5$ billion, or eight percent of the residential mortgage loan balances for both periods. The CRA portfolio included $\$ 2.1$ billion and $\$ 2.5$ billion of nonperforming loans at September 30, 2012 and December 31, 2011 representing 14 percent and 15 percent of total nonperforming residential mortgage loans at September 30, 2012 and December 31, 2011. Net charge-offs related to the CRA portfolio were $\$ 167$ million and $\$ 163$ million for the three months ended September 30, 2012 and 2011, or 24 percent
and 16 percent of total net charge-offs for the residential mortgage portfolio. Net charge-offs related to the CRA portfolio were $\$ 487$ million and $\$ 575$ million for the nine months ended September 30, 2012 and 2011, or 21 percent and 19 percent of total net charge-offs for the residential mortgage portfolio.

For information on representations and warranties related to our residential mortgage portfolio, see Off-Balance Sheet Arrangements and Contractual Obligations - Representations and Warranties on page 58 and Note 8 - Representations and Warranties Obligations and Corporate Guarantees to the Consolidated Financial Statements.

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## Home Equity

The home equity portfolio makes up 20 percent of the consumer portfolio and is comprised of HELOCs, home equity loans and reverse mortgages. As of September 30, 2012, our HELOC portfolio had an outstanding balance of $\$ 94.3$ billion, or 84 percent of the home equity portfolio. HELOCs generally have an initial draw period of 10 years with 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.

As of September 30, 2012, our home equity loan portfolio had an outstanding balance of $\$ 16.6$ billion, or 15 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.

As of September 30, 2012, our reverse mortgage portfolio had an outstanding balance of $\$ 1.4$ billion, or one percent of the total home equity portfolio. In 2011, we exited the reverse mortgage origination business.

At September 30, 2012, approximately 88 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 decreased $\$ 12.4$ billion at September 30, 2012 compared to December 31, 2011 primarily due to paydowns and charge-offs outpacing new originations and draws on existing lines. In addition, during the three months ended September 30, 2012, $\$ 2.0$ billion of loans, including $\$ 1.6$ billion of Countrywide PCI loans in the home equity portfolio, were forgiven in connection with the National Mortgage Settlement. Of the total home equity portfolio at September 30, 2012 and December 31, 2011, $\$ 21.9$ billion and $\$ 24.5$ billion, or 20 percent for both periods were in first-lien positions ( 21 percent and 22 percent excluding the Countrywide PCI home equity portfolio at September 30, 2012 and December 31, 2011). As of September 30, 2012, 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 $\$ 31.8$ billion, or 31 percent of our total home equity portfolio excluding the Countrywide PCI loan portfolio.

Unused HELOCs totaled $\$ 62.5$ billion at September 30, 2012 compared to $\$ 67.5$ billion at December 31, 2011. 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 60 percent at September 30, 2012 compared to 61 percent at December 31, 2011.

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Table 35 presents certain home equity portfolio key credit statistics on both a reported basis as well as excluding the Countrywide PCI loan portfolio. We believe the presentation of information adjusted to exclude the impact of the Countrywide PCI loan portfolio is more representative of the credit risk in this portfolio.

Table 35
Home Equity - Key Credit Statistic ${ }^{11)}$
(Dollars in
millions)
Outstandings
Accruing past due 30 days or more ${ }^{(2)}$
Nonperforming loans
(2)
Percent of
portfolio

Reported Basis
Excluding Countrywide Purchased Credit-impaired Loans
September 30December 31 September 30December 31
$201220112012 \quad 2011$
$\$ 112,260 \quad \$ 124,699 \quad \$ 102,551 \quad \$ 112,721$
$\begin{array}{llll}1,148 & 1,658 & 1,148 & 1,658\end{array}$
$\begin{array}{llll}4,275 & 2,453 & 4,275 & 2,453\end{array}$

Refreshed combined LTV greater than 90 but less than 100
Refreshed combined LTV greater than 100
Refreshed FICO below $620{ }^{(3)}$
2006 and 2007 vintages (4)

| $\%$ | 10 | $\%$ | 11 | $\%$ | 11 |
| :--- | :--- | :--- | :--- | :--- | :--- |
| 36 |  | 31 |  | 32 |  |
| 11 |  | 8 |  | 9 |  |
| 50 |  | 46 |  | 46 |  |

## Reported Basis

Three Months Ended Nine Months Ended September 30 201220112012 $\begin{array}{llllllll}\text { ratio } & (5) & 5.55 \quad & \% & 3.35 & \% & 3.88 & \% \\ 3.57\end{array}$

Nonperforming loans at September 30, 2012 and net charge-off ratios for the three and nine months ended
${ }^{(1)}$ September 30, 2012 include the impacts of the National Mortgage Settlement and guidance issued by regulatory agencies. For more information, see Consumer Portfolio Credit Risk Management on page 86 and Table 29. Accruing past due 30 days or more includes $\$ 379$ million and $\$ 609$ million and nonperforming loans includes $\$ 975$
(2) million and $\$ 703$ million of loans where we serviced the underlying first-lien at September 30, 2012 and December 31, 2011.
(3)

Beginning in the first quarter of 2012, home equity FICO metrics reflected an updated scoring model that is more representative of the credit risk of our borrowers. Prior period amounts were adjusted to reflect these updates. These vintages of loans have higher refreshed combined LTV ratios and accounted for 52 percent and 54 percent of
(4) nonperforming home equity loans at September 30, 2012 and December 31, 2011, and accounted for 55 percent and 60 percent of net charge-offs for the three and nine months ended September 30, 2012 and 65 percent for both the three and nine months ended September 30, 2011.
${ }^{(5)}$ 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 Countrywide PCI loan portfolio.

Nonperforming outstanding balances in the home equity portfolio increased $\$ 1.8$ billion at September 30, 2012 compared to December 31, 2011 due to the reclassification to nonperforming of junior-lien loans less than 90 days past due that have a senior-lien loan that is 90 days or more past due which resulted in a $\$ 1.4$ billion increase as of September 30, 2012, and the reclassification to nonperforming of $\$ 483$ million related to loans less than 60 days past due that were discharged in Chapter 7 bankruptcy, in both cases pursuant to new regulatory guidance.

These additions to nonperforming loans were partially offset by the $\$ 435$ million of loans forgiven related to the National Mortgage Settlement. Excluding the impact of these items, nonperforming loans declined compared to December 31, 2011 as outflows outpaced new inflows which continued to improve due to favorable delinquency trends in the nine months ended September 30, 2012. At September 30, 2012, on $\$ 2.0$ billion, or 46 percent of nonperforming home equity loans, the borrowers were current on contractual payments and $\$ 1.2$ billion, or 28 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 estimated costs to sell. Outstanding balances accruing past due 30 days or more decreased $\$ 510$ million at September 30, 2012 driven in part by the reclassification of junior-lien home equity loans to nonperforming in accordance with regulatory interagency guidance. For more information on the changes as a result of regulatory guidance and the National Mortgage Settlement, see Consumer Portfolio Credit Risk Management on page 86 .

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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 in which we service the first-lien loan, we are able to track whether the first-lien loan is in default. For loans in which 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 September 30, 2012, we estimate that $\$ 2.5$ billion of current and $\$ 554$ million of 30 to 89 days past due junior-lien loans were behind a delinquent first-lien loan. We service the first-lien loans on $\$ 1.1$ billion of these combined amounts, with the remaining $\$ 2.0$ billion serviced by third parties. Of the $\$ 3.1$ 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 increased $\$ 529$ million to $\$ 1.6$ billion, or 6.13 percent of the total average home equity portfolio, for the three months ended September 30, 2012 compared to $\$ 1.1$ billion, or 3.70 percent, for the same period in the prior year primarily driven by $\$ 435$ million in net charge-offs associated with the National Mortgage Settlement and $\$ 424$ million in net charge-offs related to loans discharged in Chapter 7 bankruptcy that were written down to the underlying collateral value due to new regulatory guidance. These items were partially offset by favorable portfolio trends due in part to improvement in the U.S. economy. Net charge-offs remained relatively unchanged at $\$ 3.5$ billion, or 4.29 percent of the total average home equity portfolio, for the nine months ended September 30, 2012 compared to 3.94 percent, for the same period in the prior year primarily due to the same factors noted above. 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.

There are certain characteristics of the outstanding loan balances in 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 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 nine percent and 10 percent of the total home equity portfolio at September 30, 2012 and December 31, 2011, and accounted for 25 percent of the home equity net charge-offs for both the three and nine months ended September 30, 2012 compared to 30 percent and 28 percent for the same periods in 2011.

Outstanding balances in the home equity portfolio with greater than 90 percent but less than 100 percent refreshed CLTVs comprised 11 percent of the home equity portfolio at both September 30, 2012 and December 31, 2011. Outstanding balances with refreshed CLTVs greater than 100 percent comprised 31 percent and 32 percent of the home equity portfolio at September 30, 2012 and December 31, 2011. 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 over the past several years has contributed to an increase in CLTV ratios. Of those outstanding balances with a refreshed CLTV greater than 100 percent, 95 percent of the customers were current at September 30, 2012. For second-lien loans with a refreshed CLTV greater than 100 percent that are current, 92 percent were also current on the underlying first-lien loans at September 30, 2012. Outstanding balances in the home equity portfolio to borrowers with a refreshed FICO score below 620 represented eight percent and nine percent of the home equity portfolio at September 30, 2012 and December 31, 2011.

Of the $\$ 102.6$ billion and $\$ 112.7$ billion in total home equity portfolio outstandings at September 30, 2012 and December 31, 2011, 79 percent and 78 percent were interest-only loans, almost all of which were HELOCs. The outstanding balance of HELOCs that have entered the amortization period was $\$ 1.9$ billion, or two percent of total HELOCs, at September 30, 2012. 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. As of September 30, 2012, \$68 million, or three percent of outstanding HELOCs that had entered the amortization period were accruing past due 30 days or more compared to $\$ 1.0$ billion, or one percent of outstanding accruing past due 30 days or more for the entire HELOC portfolio. In addition, at September 30, 2012, $\$ 145$ 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 September 30, 2012, approximately 64 percent of these customers did not pay any principal on their HELOCs.

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Table 36 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 September 30, 2012 and December 31, 2011. This MSA comprised eight percent of net charge-offs for both the three and nine months ended September 30, 2012 and six percent and seven percent of net charge-offs for the same periods in 2011. The Los Angeles-Long Beach-Santa Ana MSA within California made up 12 percent of the outstanding home equity portfolio at both September 30, 2012 and December 31, 2011. This MSA comprised 11 percent of net charge-offs for both the three and nine months ended September 30, 2012 and 11 percent for both the same periods in 2011.

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 58 and Note 8 - Representations and Warranties Obligations and Corporate Guarantees to the Consolidated Financial Statements.

Table 36
Home Equity State Concentrations

| (Dollars in millions) | Outstandings |  | Nonperforming |  | Net Charge-offs |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | September 3December 31 |  | $\begin{aligned} & \text { September } \\ & 30 \\ & 2012^{(1)} \end{aligned}$ | $\begin{aligned} & \text { December } 31 \\ & 2011 \end{aligned}$ | Three Months Ended September 30 |  | Nine Months Ended |  |
|  | 2012 | 2011 |  |  |  |  | Septem |  |
|  |  |  |  |  |  | 2011 |  | 2011 |
| California | \$29,576 | \$ 32,398 | \$ 1,143 | \$ 627 | \$522 | \$387 | \$ 1,101 | \$1,164 |
| Florida ${ }^{(2)}$ | 12,234 | 13,450 | 701 | 411 | 199 | 201 | 486 | 687 |
| New Jersey ${ }^{(2)}$ | 6,945 | 7,483 | 306 | 175 | 93 | 38 | 170 | 128 |
| New York ${ }^{(2)}$ | 6,890 | 7,423 | 406 | 242 | 86 | 45 | 181 | 155 |
| Massachusetts | 4,528 | 4,919 | 138 | 67 | 41 | 17 | 76 | 59 |
| Other U.S./Non-U.S. | 42,378 | 47,048 | 1,581 | 931 | 680 | 404 | 1,456 | 1,341 |
| Home equity loans ${ }^{(3)}$ | \$102,551 | \$ 112,721 | \$4,275 | \$ 2,453 | \$ 1,621 | \$ 1,092 | \$3,470 | \$3,534 |
| Countrywide purchased credit-impaired home equity portfolio | 9,709 | 11,978 |  |  |  |  |  |  |
| Total home equity loan portfolio | \$112,260 | \$ 124,699 |  |  |  |  |  |  |

Nonperforming loans and net charge-offs include the impacts of the National Mortgage Settlement and guidance
${ }^{(1)}$ issued by regulatory agencies. For more information, see Consumer Portfolio Credit Risk Management on page 86 and Table 29.
${ }^{(2)}$ In these states, foreclosure requires a court order following a legal proceeding (judicial states).
${ }^{(3)}$ Amount excludes the Countrywide PCI home equity portfolio.
Discontinued Real Estate
The discontinued real estate portfolio, excluding $\$ 1.0$ billion of loans accounted for under the fair value option, totaled $\$ 9.9$ billion at September 30, 2012 and consists of pay option and subprime loans acquired in the Countrywide acquisition. Upon acquisition, the majority of the discontinued real estate portfolio was considered credit-impaired and written down to fair value. At September 30, 2012, the Countrywide PCI loan portfolio was $\$ 8.8$ billion, or 89 percent of the total discontinued real estate portfolio. This portfolio is included in All Other and is managed as part of our overall ALM activities. See Countrywide Purchased Credit-impaired Loan Portfolio on page 101 for more information on the discontinued real estate portfolio.

At September 30, 2012, the purchased discontinued real estate portfolio that was not credit-impaired upon acquisition was $\$ 1.1$ billion. Loans with greater than 90 percent refreshed LTVs and CLTVs comprised 31 percent of the portfolio and those with refreshed FICO scores below 620 represented 42 percent of the portfolio. The Los Angeles-Long Beach-Santa Ana MSA within California made up 16 percent of outstanding discontinued real estate loans at September 30, 2012.

Pay option adjustable-rate mortgages (ARMs), which are included in the discontinued real estate 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.

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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 September 30, 2012, the unpaid principal balance of pay option loans was $\$ 9.9$ billion, with a carrying amount of $\$ 8.8$ billion, including $\$ 8.0$ 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 $\$ 7.1$ billion including $\$ 521$ million of negative amortization. For those borrowers who are making payments in accordance with their contractual terms, 17 percent and 22 percent at September 30, 2012 and December 31, 2011 elected to make only the minimum payment on 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 affordable to more borrowers. We continue to evaluate our exposure to payment resets on the acquired negative-amortizing loans including the Countrywide PCI pay option loan portfolio and have taken into consideration several assumptions regarding this evaluation including prepayment and default rates. Of the loans in the pay option portfolio at September 30, 2012 that have not already experienced a payment reset, one percent are expected to reset during the remainder of 2012 and 22 percent thereafter. In addition, eight percent are expected to prepay and 69 percent are expected to default prior to being reset, most of which were severely delinquent as of September 30, 2012.

## Countrywide 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.

Table 37 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 Countrywide PCI loan portfolio at September 30, 2012 and December 31, 2011.

Table 37
Countrywide Purchased Credit-impaired Loan Portfolio
September 30, 2012

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


|  | December |  | 31,2011 |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Residential mortgage | $\$ 10,426$ | $\$ 9,966$ | $\$ 1,331$ | $\$ 8,635$ | 82.82 | $\%$ |
| Home equity | 12,516 | 11,978 | 5,129 | 6,849 | 54.72 |  |
| Discontinued real estate | 11,891 | 9,857 | 1,999 | 7,858 | 66.08 |  |
| Total Countrywide purchased credit-impaired loan | $\$ 34,833$ | $\$ 31,801$ | $\$ 8,459$ | $\$ 23,342$ | 67.01 |  |
| portfolio |  |  |  |  |  |  |

The total Countrywide PCI unpaid principal balance decreased $\$ 6.0$ billion, or 17 percent, to $\$ 28.8$ billion at September 30, 2012 compared to $\$ 34.8$ billion at December 31, 2011 primarily driven by liquidations, paydowns and payoffs. In addition, the decline for the three months ended September 30, 2012 includes loans with an unpaid principal balance of $\$ 1.8$ billion within the home equity portfolio that were forgiven in connection with the National Mortgage Settlement of which 91 percent were 180 days or more past due. For more information on the National Mortgage Settlement, see Consumer Portfolio Credit Risk Management on page 86.

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Of the unpaid principal balance of $\$ 28.8$ billion at September 30, 2012, $\$ 9.1$ billion was 180 days or more past due, including $\$ 7.3$ billion of first-lien and $\$ 1.8$ billion of home equity loans. Of the $\$ 19.7$ billion that was less than 180 days past due, $\$ 17.4$ billion, or 88 percent of the total unpaid principal balance, was current based on the contractual terms while $\$ 1.4$ billion, or seven percent, was in early stage delinquency. The home equity 180 days or more past due balances declined $\$ 1.9$ billion, or 51 percent, during the nine months ended September 30, 2012, due primarily to the loans forgiven as discussed above.

During the three months ended September 30, 2012, we recorded a $\$ 166$ million provision benefit for the Countrywide PCI loan portfolio due to our updated home price outlook and included a benefit of $\$ 101$ million for home equity loans, a $\$ 9$ million benefit for residential mortgage and a $\$ 56$ million benefit for discontinued real estate. This compared to no recorded provision for credit losses during the three months ended September 30, 2011. During the nine months ended September 30, 2012, we recorded $\$ 327$ million of provision for credit losses for the Countrywide PCI loan portfolio including $\$ 77$ million for residential mortgage, $\$ 83$ million for home equity loans and $\$ 167$ million for discontinued real estate. This compared to a total provision for credit losses of $\$ 2.0$ billion during the nine months ended September 30, 2011. Provision for credit losses for the nine months ended September 30, 2012 was primarily driven by a downward refinement of our home price outlook during the first quarter of 2012.

The Countrywide PCI allowance declined $\$ 1.4$ billion during the nine months ended September 30, 2012 as the additional provision for credit losses of $\$ 327$ million was more than offset by a $\$ 1.7$ billion reduction in the Countrywide PCI home equity allowance primarily due to forgiveness of $\$ 1.6$ billion of fully reserved home equity loans in connection with the National Mortgage Settlement. For further information on the Countrywide PCI loan portfolio, see Note 5 - Outstanding Loans and Leases to the Consolidated Financial Statements.

Additional information on the Countrywide PCI residential mortgage, home equity and discontinued real estate loan portfolios is provided in the following sections.

## Purchased Credit-impaired Residential Mortgage Loan Portfolio

The Countrywide PCI residential mortgage loan portfolio comprised 34 percent of the total Countrywide PCI loan portfolio at September 30, 2012. Those loans to borrowers with a refreshed FICO score below 620 represented 39 percent of the Countrywide PCI residential mortgage loan portfolio at September 30, 2012. Loans with a refreshed LTV greater than 90 percent represented 62 percent of the Countrywide PCI residential mortgage loan portfolio after consideration of purchase accounting adjustments and the related valuation allowance, and 84 percent based on the unpaid principal balance at September 30, 2012. Those loans that were originally classified as Countrywide PCI discontinued real estate loans upon acquisition and have been subsequently modified are now included in Countrywide PCI residential mortgage outstandings. Table 38 presents outstandings net of purchase accounting adjustments and before the related valuation allowance, by certain state concentrations.

Table 38
Outstanding Countrywide Purchased Credit-impaired Loan Portfolio - Residential Mortgage State Concentrations

| (Dollars in millions) | September 30 December 31 |  |
| :--- | :--- | :--- |
| California | 2012 | 2011 |
| Florida (1) | $\$ 5,060$ | $\$ 5,509$ |
| Virginia | 754 | 779 |
| Maryland | 501 | 535 |
| Texas | 254 | 262 |
| Other U.S./Non-U.S. | 115 | 130 |
| Total Countrywide purchased credit-impaired residential mortgage loan portfolio | 2,652 | 2,751 |

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${ }^{(1)}$ In this state, foreclosure requires a court order following a legal proceeding (judicial state).

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Purchased Credit-impaired Home Equity Portfolio
The Countrywide PCI home equity portfolio comprised 35 percent of the total Countrywide PCI loan portfolio at September 30, 2012. Those loans with a refreshed FICO score below 620 represented 29 percent of the Countrywide PCI home equity portfolio at September 30, 2012. Loans with a refreshed CLTV greater than 90 percent represented 77 percent of the Countrywide PCI home equity portfolio after consideration of purchase accounting adjustments and the related valuation allowance, and 80 percent based on the unpaid principal balance at September 30, 2012. Table 39 presents outstandings net of purchase accounting adjustments and before the related valuation allowance, by certain state concentrations.

Table 39
Outstanding Countrywide Purchased Credit-impaired Loan Portfolio - Home Equity State Concentrations

| (Dollars in millions) | September 30 | December 31 |
| :--- | :--- | :--- |
| California | 2012 | 2011 |
| Florida ${ }^{(1)}$ | $\$ 3,192$ | $\$ 4,051$ |
| Virginia | 622 | 840 |
| Arizona | 403 | 467 |
| Colorado | 344 | 422 |
| Other U.S./Non-U.S. | 283 | 335 |
| Total Countrywide purchased credit-impaired home equity portfolio | 4,865 | 5,863 |

${ }^{(1)}$ In this state, foreclosure requires a court order following a legal proceeding (judicial state).
Purchased Credit-impaired Discontinued Real Estate Loan Portfolio
The Countrywide PCI discontinued real estate loan portfolio comprised 31 percent of the total Countrywide PCI loan portfolio at September 30, 2012. Those loans to borrowers with a refreshed FICO score below 620 represented 63 percent of the Countrywide PCI discontinued real estate loan portfolio at September 30, 2012. Loans with a refreshed LTV, or CLTV in the case of second-liens, greater than 90 percent represented 42 percent of the Countrywide PCI discontinued real estate loan portfolio after consideration of purchase accounting adjustments and the related valuation allowance, and 84 percent based on the unpaid principal balance at September 30, 2012. Those loans that were originally classified as discontinued real estate loans upon acquisition and have been subsequently modified are now excluded from this portfolio and included in the Countrywide PCI residential mortgage loan portfolio, but remain in the PCI loan pool. Table 40 presents outstandings net of purchase accounting adjustments and before the related valuation adjustment, by certain state concentrations.

Table 40
Outstanding Countrywide Purchased Credit-impaired Loan Portfolio - Discontinued Real Estate State Concentrations
(Dollars in millions)
September 30 December 31
California \$ 4,536 \$ 5,285
$\begin{array}{ll}\text { Florida }{ }^{(1)} & 1,072\end{array}$
Washington 311
Virginia 233
Arizona 2051
Other U.S./Non-U.S. 2,471 2,706
Total Countrywide purchased credit-impaired discontinued real estate loan portfolio $\quad \$ 8,803 \quad \$ 9,857$
${ }^{(1)}$ In this state, foreclosure requires a court order following a legal proceeding (judicial state).

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U.S. Credit Card

The U.S. credit card portfolio is managed in CBB. Outstandings in the U.S. credit card portfolio decreased $\$ 9.1$ billion compared to December 31, 2011 due to a seasonal decline in retail transaction volume and portfolio sales. For the three and nine months ended September 30, 2012, net charge-offs decreased $\$ 560$ million to $\$ 1.1$ billion and $\$ 2.2$ billion to $\$ 3.7$ billion compared to the same periods in the prior year 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 decreased $\$ 968$ million while loans 90 days or more past due and still accruing interest decreased $\$ 599$ million compared to December 31, 2011 due to improvement in the U.S. economy. Table 41 presents certain key credit statistics for the consumer U.S. credit card portfolio.

Table 41
U.S. Credit Card - Key Credit Statistics
(Dollars in millions)
Outstandings
Accruing past due 30 days or more
Accruing past due 90 days or more

|  | Three Months Ended |  | Nine Months Ended |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  | September 30 |  | September 30 |  |  |  |
|  | 2012 | 2011 | 2012 | 2011 |  |  |
| Net charge-offs | $\$ 1,079$ | $\$ 1,639$ | $\$ 3,654$ | $\$ 5,844$ |  |  |
| Net charge-off ratios ${ }^{(1)}$ | 4.60 | $\%$ | 6.28 | $\%$ | 5.11 | $\%$ |

${ }^{(1)}$ 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 $\$ 345.7$ billion at September 30, 2012 compared to $\$ 368.1$ billion at December 31, 2011. The $\$ 22.4$ billion decrease was driven by closure of inactive accounts and account management initiatives on higher risk accounts.

Table 42 presents certain state concentrations for the U.S. credit card portfolio.
Table 42
U.S. Credit Card State Concentrations

|  | Outstandings |  | Accruing Past Due 90 Days or More |  | Net Charge-offs |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | September 3December 31 |  | September 3December 31 |  | Three Months Ended |  | Nine Months Ended September 30 |  |
|  | 2012 | 2011 | 2012 | 2011 | Septem | 30 |  |  |
| (Dollars in millions) |  |  |  |  | 2012 | 2011 | 2012 | 2011 |
| California | \$13,892 | \$ 15,246 | \$243 | \$ 352 | \$196 | \$310 | \$666 | \$1,132 |
| Florida | 7,315 | 7,999 | 151 | 221 | 115 | 184 | 405 | 680 |
| Texas | 6,343 | 6,885 | 95 | 131 | 68 | 96 | 228 | 345 |
| New York | 5,640 | 6,156 | 91 | 126 | 66 | 91 | 215 | 322 |
| New Jersey | 3,850 | 4,183 | 62 | 86 | 44 | 64 | 146 | 221 |
| Other U.S. | 56,122 | 61,822 | 829 | 1,154 | 590 | 894 | 1,994 | 3,144 |
| Total U.S. credit card portfolio | \$93,162 | \$ 102,291 | \$ 1,471 | \$ 2,070 | \$ 1,079 | \$ 1,639 | \$3,654 | \$5,844 |

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Non-U.S. Credit Card
Outstandings in the non-U.S. credit card portfolio, which are recorded in All Other, decreased $\$ 1.1$ billion compared to December 31, 2011 due to lower origination volume and charge-offs. For the three and nine months ended September 30, 2012, net charge-offs decreased $\$ 250$ million to $\$ 124$ million, and $\$ 743$ million to $\$ 462$ million compared to the same periods in the prior year primarily due to the sale of the Canadian consumer credit card portfolio and improvement in delinquencies.

Unused lines of credit for non-U.S. credit card totaled $\$ 36.6$ billion at September 30, 2012 compared to $\$ 36.8$ billion at December 31, 2011. The $\$ 231$ million decrease was driven by a decline in the number of outstanding accounts primarily offset by strengthening of the British Pound against the U.S. dollar.

Table 43 presents certain key credit statistics for the non-U.S. credit card portfolio.
Table 43
Non-U.S. Credit Card - Key Credit Statistics
(Dollars in millions)
Outstandings
Accruing past due 30 days or more
Accruing past due 90 days or more
September 30 December 31
20122011
\$13,320 \$14,418
428
610

|  | Three Months Ended September 30 |  | Nine Months Ended September 30 |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 2012 | 2011 | 2012 | 2011 |
| Net charge-offs | \$124 | \$374 | \$462 | \$ 1,205 |
| Net charge-off ratios ${ }^{(1)}$ | 3.70 | \% 5.83 | \% 4.50 | \% 6.02 |

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

## Direct/Indirect Consumer

At September 30, 2012, approximately 44 percent of the direct/indirect portfolio was included in Global Banking (dealer financial services - automotive, marine, aircraft and recreational vehicle loans), 43 percent was included in GWIM (principally other non-real estate-secured, unsecured personal loans and securities-based lending margin loans), seven percent was included in CBB (consumer personal loans) and the remainder was in All Other (student loans).

Outstanding loans and leases decreased $\$ 7.3$ billion compared to December 31, 2011 due to run-off of an auto loan portfolio, an auto loan sale and securitization within the dealer financial services portfolio, and lower outstandings in the unsecured consumer lending portfolio partially offset by growth in securities-based lending. For the three and nine months ended September 30, 2012, net charge-offs decreased $\$ 140$ million to $\$ 161$ million, and $\$ 624$ million to $\$ 568$ million, or 0.78 percent and 0.89 percent of total average direct/indirect loans compared to 1.32 percent and 1.77 percent for the same periods in the prior year. These decreases were primarily driven by improvements in delinquencies, collections and bankruptcies in the unsecured consumer lending portfolio as a result of an improved economic environment as well as reduced outstandings.

For the three and nine months ended September 30, 2012, net charge-offs in the unsecured consumer lending portfolio decreased $\$ 114$ million to $\$ 108$ million, and $\$ 515$ million to $\$ 399$ million, or 7.25 percent and 7.90 percent of total average unsecured consumer lending loans compared to 9.36 percent and 11.59 percent for the same periods in the
prior year. Direct/indirect loans that were past due 30 days or more and still accruing interest declined $\$ 488$ million to $\$ 1.4$ billion at September 30, 2012 compared to $\$ 1.9$ billion at December 31, 2011 due to improvements in both the unsecured consumer lending and dealer financial services portfolios.

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Table 44 presents certain state concentrations for the direct/indirect consumer loan portfolio.
Table 44
Direct/Indirect State Concentrations

|  | Outstandings |  | Accruing Past Due 90 Days or More |  | Net Charge-offs |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Three Months | Nine Months |  |
|  | September 3December 31 |  |  |  | September 3December 31 |  | Ended |  | Ended |  |
|  | 2012 | 2011 | 2012 | 2011 | Septen | r 30 | Septen | er 30 |
| (Dollars in millions) |  |  |  |  | 2012 | 2011 | 2012 | 2011 |
| California | \$ 10,557 | \$ 11,152 | \$53 | \$ 81 | \$21 | \$44 | \$77 | \$180 |
| Texas | 7,067 | 7,882 | 40 | 54 | 13 | 23 | 46 | 93 |
| Florida | 6,912 | 7,456 | 36 | 55 | 17 | 32 | 61 | 116 |
| New York | 4,920 | 5,160 | 27 | 40 | 10 | 15 | 36 | 64 |
| New Jersey | 2,551 | 2,786 | 18 | 25 | 5 | 10 | 21 | 41 |
| Other U.S./Non-U.S. | 50,397 | 55,277 | 401 | 491 | 95 | 177 | 327 | 698 |
| Total direct/indirect loan portfolio | \$82,404 | \$ 89,713 | \$575 | \$ 746 | \$161 | \$301 | \$568 | \$1,192 |

## Other Consumer

At September 30, 2012, approximately 94 percent of the $\$ 2.7$ 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
Outstanding consumer loans accounted for under the fair value option were $\$ 1.2$ billion at September 30, 2012 and include $\$ 1.0$ billion of discontinued real estate loans and $\$ 160$ million of residential mortgage loans in consolidated variable interest entities (VIEs). During the three and nine months ended September 30, 2012, we recorded gains of $\$ 30$ million and $\$ 41$ million resulting from changes in the fair value of the loan portfolio. These were offset by losses recorded on the related long-term debt during the three and nine months ended September 30, 2012.

## Nonperforming Consumer Loans and Foreclosed Properties Activity

Table 45 presents nonperforming consumer loans and foreclosed properties activity for the three and nine months ended September 30, 2012 and 2011. 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 and in general, past due consumer loans not secured by real estate as these loans are generally charged off no later than the end of the month in which the loan becomes 180 days past due. The fully-insured loan portfolio is not reported as nonperforming as principal repayment is insured. Additionally, nonperforming loans do not include the Countrywide 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 2011 Annual Report on Form 10-K. Nonperforming loans increased $\$ 632$ million during the three months ended September 30, 2012 due primarily to the reclassification to nonperforming of $\$ 1.1$ billion loans less than 60 days past due that were discharged as a result of new regulatory guidance on Chapter 7 bankruptcy, partially offset by the $\$ 435$ million of nonperforming loans forgiven in connection with the National Mortgage Settlement. Excluding the impact of these items, nonperforming loans declined during the three months ended September 30, 2012 as outflows outpaced new inflows. Nonperforming loans increased $\$ 985$ million in the nine

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months ended September 30, 2012 due to the reclassification to nonperforming of $\$ 1.9$ billion of junior-lien loans less than 90 days past due that have a senior-lien loan that is 90 days or more past due and the reclassification to nonperforming of $\$ 1.1$ billion of loans less than 60 days past due that were discharged in Chapter 7 bankruptcy as a result of new regulatory guidance. These additions to nonperforming loans were partially offset by $\$ 435$ million of nonperforming loans forgiven in connection with the National Mortgage Settlement. Excluding the impact of these items, nonperforming loans declined compared to December 31, 2011 as outflows outpaced new inflows which continued to improve due to favorable delinquency trends in the nine months ended September 30, 2012. For more information on the impacts related to the National Mortgage Settlement and guidance issued by regulatory agencies, see Consumer Portfolio Credit Risk Management on page 86 and Table 29.

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The outstanding balance of a real estate-secured loan that is in excess of the estimated property value, after reducing the estimated property value for estimated 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 September 30, 2012, $\$ 11.7$ billion, or 57 percent of nonperforming consumer real estate loans and foreclosed properties had been written down to their estimated property value less estimated costs to sell, including $\$ 10.9$ billion of nonperforming loans 180 days or more past due and $\$ 799$ million of foreclosed properties.

Foreclosed properties decreased $\$ 309$ million and $\$ 1.2$ billion during the three and nine months ended September 30, 2012 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. Countrywide PCI related foreclosed properties decreased $\$ 87$ million and $\$ 311$ million during the three and nine months ended September 30 , 2012. Not included in foreclosed properties at September 30, 2012 was $\$ 2.4$ 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 67.

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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 Countrywide PCI loan portfolio, are included in Table 45.

Table 45
Nonperforming Consumer Loans and Foreclosed Properties Activity ${ }^{(1)}$
(Dollars in millions)
Nonperforming loans, beginning of period
Additions to nonperforming loans:
New nonperforming loans
Impact of change in treatment of loans discharged in
bankruptcies ${ }^{(2)}$
Impact of regulatory interagency guidance ${ }^{(3)}$
Three Months Ended
September 30

20122011
\$19,121 \$19,478

| 3,306 | 4,036 | 9,873 | 11,966 |
| :--- | :--- | :--- | :--- |
| 1,050 | $\mathrm{n} / \mathrm{a}$ | 1,050 | $\mathrm{n} / \mathrm{a}$ |
| $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ | 1,853 | $\mathrm{n} / \mathrm{a}$ |

Reductions to nonperforming loans:
Paydowns and payoffs
Returns to performing status ${ }^{(4)}$
Charge-offs ${ }^{(5)}$
Transfers to foreclosed properties ${ }^{(6)}$
Total net additions (reductions) to nonperforming loans
Total nonperforming loans, September $30{ }^{(7)}$
Foreclosed properties, beginning of period ${ }^{(8)}$
Additions to foreclosed properties:
New foreclosed properties ${ }^{(6)}$
Reductions to foreclosed properties:
Sales
Write-downs
Total net additions (reductions) to foreclosed properties
Total foreclosed properties, September 30
Nonperforming consumer loans and foreclosed properties,
September 30
Nonperforming consumer loans as a percentage of outstanding consumer loans ${ }^{(9)}$
Nonperforming consumer loans and foreclosed properties as a percentage of outstanding consumer loans and foreclosed 3.66 3.39 properties ${ }^{(9)}$

Balances do not include nonperforming LHFS of $\$ 639$ million and $\$ 724$ million and nonaccruing TDRs removed
(1) from the Countrywide PCI portfolio prior to January 1, 2010 of $\$ 540$ million and $\$ 474$ million at September 30, 2012 and 2011 as well as loans accruing past due 90 days or more as presented in Table 30 and Note 5 Outstanding Loans and Leases to the Consolidated Financial Statements.
${ }^{(2)}$ During the third quarter of 2012, we added $\$ 1.1$ billion to nonperforming loans as a result of new regulatory guidance on Chapter 7 bankruptcy. For more information, see Consumer Portfolio Credit Risk Management on
page 86 and Table 29.
As a result of the regulatory interagency guidance, we reclassified $\$ 1.9$ billion of performing home equity loans to
${ }^{(3)}$ nonperforming during the first quarter of 2012. For more information, see Consumer Portfolio Credit Risk Management on page 86.
Consumer loans may be returned to performing status when all principal and interest is current and full repayment
${ }^{(4)}$ of the remaining contractual principal and interest is expected, or when the loan otherwise becomes well-secured and is in the process of collection.
Our policy is not to classify consumer credit card and consumer loans not secured by real estate as nonperforming;
${ }^{(5)}$ therefore, the charge-offs on these loans have no impact on nonperforming activity and accordingly are excluded from this table.
New foreclosed properties represents transfers of nonperforming loans to foreclosed properties net of charge-offs
(6) 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.
(7) At September 30, 2012, 55 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.
${ }_{(8)}$ Foreclosed property balances do not include loans that are insured by the FHA and have entered foreclosure of $\$ 2.4$ billion and $\$ 1.4$ billion at September 30, 2012 and 2011.
${ }^{(9)}$ Outstanding consumer loans exclude loans accounted for under the fair value option.
$\mathrm{n} / \mathrm{a}=$ not applicable

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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, all gains and losses in value are recorded in noninterest expense. New foreclosed properties included in Table 45 are net of $\$ 30$ million and $\$ 231$ million of charge-offs for the three and nine months ended September 30, 2012 compared to $\$ 85$ million and $\$ 245$ million for the same periods in 2011, recorded during the first 90 days after transfer.

During the third quarter of 2012, new regulatory guidance was issued addressing certain home loans that have been discharged in Chapter 7 bankruptcy. As a result of this new regulatory guidance, we recognized an additional $\$ 3.5$ billion of TDRs at September 30, 2012, including $\$ 1.1$ billion of loans that are current or less than 60 days past due. Of the $\$ 3.5$ billion of TDRs, approximately 20 percent, 34 percent and 46 percent had been discharged in Chapter 7 bankruptcy in 2012, 2011 and prior years, respectively. For more information, see Consumer Portfolio Credit Risk Management on page 86 and Table 29.

Table 46 presents TDRs for the home loans portfolio. Performing TDR balances are excluded from nonperforming loans in Table 45.

Table 46
Home Loans Troubled Debt Restructurings
September 30, 2012
December 31, 2011

| (Dollars in millions) | Total | Nonperforming Performing |  | Total | Nonperforming Performing |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Residential mortgage ${ }^{(1,2)}$ | $\$ 25,019$ | $\$ 8,130$ | $\$ 16,889$ | $\$ 19,287$ | $\$ 5,034$ | $\$ 14,253$ |
| Home equity $^{(3)}$ | 2,175 | 1,277 | 898 | 1,776 | 543 | 1,233 |
| Discontinued real estate ${ }^{(4)}$ | 382 | 236 | 146 | 399 | 214 | 185 |
| Total home loans troubled debt | $\$ 27,576$ | $\$ 9,643$ | $\$ 17,933$ | $\$ 21,462$ | $\$ 5,791$ | $\$ 15,671$ |
| restructurings |  |  |  |  |  |  |

Residential mortgage TDRs deemed collateral dependent totaled $\$ 8.4$ billion and $\$ 5.3$ billion, and included $\$ 5.4$
${ }^{(1)}$ billion and $\$ 2.2$ billion of loans classified as nonperforming and $\$ 3.0$ billion and $\$ 3.1$ billion of loans classified as performing at September 30, 2012 and December 31, 2011.
(2) Residential mortgage performing TDRs included $\$ 9.9$ billion and $\$ 7.0$ billion of loans that were fully-insured at September 30, 2012 and December 31, 2011.
Home equity TDRs deemed collateral dependent totaled $\$ 1.4$ billion and $\$ 824$ million, and included $\$ 1.0$ billion
${ }^{(3)}$ and $\$ 282$ million of loans classified as nonperforming and $\$ 370$ million and $\$ 542$ million of loans classified as performing at September 30, 2012 and December 31, 2011.
Discontinued real estate TDRs deemed collateral dependent totaled $\$ 250$ million and $\$ 230$ million, and included
(4) $\$ 161$ million and $\$ 118$ million of loans classified as nonperforming and $\$ 89$ million and $\$ 112$ million as performing at September 30, 2012 and December 31, 2011.

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 (FFIEC) guidelines. Substantially all of our credit card and other consumer loan modifications involve a reduction in the cardholder's interest rate on the account and placing the customer on a fixed payment plan not exceeding 60 months, both of which are considered to be TDRs (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 excluded from Table 45 as substantially all of these loans remain on accrual status until either charged off or paid in full. At September 30, 2012 and December 31, 2011, our renegotiated TDR portfolio was $\$ 4.5$ billion and $\$ 7.1$ billion, of which $\$ 3.5$ billion and $\$ 5.5$ 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 new 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 $51,56,63$ and 64 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 2011 Annual Report on Form 10-K.

## Commercial Credit Portfolio

Table 47 presents our commercial loans and leases, and related credit quality information at September 30, 2012 and December 31, 2011.

Table 47
Commercial Loans and Leases
(Dollars in millions)
U.S. commercial

Commercial real estate ${ }^{(1)}$
Commercial lease financing
Non-U.S. commercial
U.S. small business commercial ${ }^{(2)}$

Commercial loans excluding loans accounted for under the fair value option
Loans accounted for under the fair value option ${ }^{(3)}$
Total commercial loans and leases

| Outstandings |  | Nonperforming |  | Accruing Past Due 90 Days or More |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| September | 30cember 3 | Septembe | 3(Decemb | Septe | (Dece |
| 2012 | 2011 | 2012 | 2011 | 2012 | 2011 |
| \$ 192,763 | \$ 179,948 | \$1,609 | \$ 2,174 | \$77 | \$ 75 |
| 37,579 | 39,596 | 2,028 | 3,880 | 9 | 7 |
| 22,855 | 21,989 | 33 | 26 | 18 | 14 |
| 58,503 | 55,418 | 139 | 143 | - | - |
| 311,700 | 296,951 | 3,809 | 6,223 | 104 | 96 |
| 12,621 | 13,251 | 139 | 114 | 127 | 216 |
| 324,321 | 310,202 | 3,948 | 6,337 | 231 | 312 |
| 6,436 | 6,614 | 11 | 73 | - | - |
| \$330,757 | \$ 316,816 | \$3,959 | \$ 6,410 | \$231 | \$ 312 |

(1) Includes U.S. commercial real estate loans of $\$ 36.0$ billion and $\$ 37.8$ billion and non-U.S. commercial real estate loans of $\$ 1.6$ billion and $\$ 1.8$ billion at September 30, 2012 and December 31, 2011.
${ }^{(2)}$ Includes card-related products.
Commercial loans accounted for under the fair value option include U.S. commercial loans of $\$ 2.0$ billion and $\$ 2.2$
(3) billion at September 30, 2012 and December 31, 2011 and non-U.S. commercial loans of $\$ 4.4$ billion at both period ends. See Note 16 - Fair Value Option to the Consolidated Financial Statements for additional information on the fair value option.

Outstanding commercial loans and leases increased $\$ 13.9$ billion at September 30, 2012 compared to December 31, 2011, primarily in U.S. commercial due to growth in middle-market regions and certain asset-backed lending products as well as a margin loan refinancing. During the three and nine months ended September 30, 2012, credit quality in the commercial loan portfolio continued to show improvement relative to the prior-year periods. Reservable criticized

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balances and nonperforming loans, leases and foreclosed property balances in the commercial credit portfolio declined during the nine months ended September 30, 2012 and were primarily in the commercial real estate and U.S. commercial portfolios. Commercial real estate continued to show improvement in both the residential and non-residential portfolios; however, levels of stressed commercial real estate loans remained elevated. The reduction in reservable criticized U.S. commercial loans was driven by broad-based improvements in terms of clients, industries and businesses. Most other credit indicators across the remaining commercial portfolios also improved. These improvements contributed to a decline of $\$ 957$ million in the allowance for loan and lease losses from December 31, 2011 to $\$ 3.2$ billion at September 30, 2012. For more information, see Allowance for Credit Losses on page 130.

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Nonperforming commercial loans and leases as a percentage of outstanding commercial loans and leases were 1.20 percent and 2.02 percent ( 1.22 percent and 2.04 percent excluding loans accounted for under the fair value option) at September 30, 2012 and December 31, 2011. Accruing commercial loans and leases past due 90 days or more as a percentage of outstanding commercial loans and leases were 0.07 percent and 0.10 percent at September 30, 2012 and December 31, 2011.

Table 48 presents net charge-offs and related ratios for our commercial loans and leases for the three and nine months ended September 30, 2012 and 2011. Improving portfolio trends drove lower charge-offs across the portfolio.

Table 48
Commercial Net Charge-offs and Related Ratios

|  | Net Charge-offs |  |  |  | Net Charge-off Ratios ${ }^{(1)}$ |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Three <br> Ende <br> Sept | Months <br> mber 30 | Nine Months Ended |  | Three | Mo | nths 30 |  | Nine Months Ended September 30 |  |  |
| (Dollars in millions) | 2012 | 2011 | 2012 | 2011 | 2012 |  | 2011 |  | 2012 |  | 2011 |
| U.S. commercial | \$55 | \$78 | \$215 | \$117 | 0.12 | \% | 0.18 | \% | 0.16 | \% | 0.09 \% |
| Commercial real estate | 91 | 296 | 300 | 747 | 0.97 |  | 2.73 |  | 1.06 |  | 2.19 |
| Commercial lease financing | (12 | ) $(1$ | ) (7 | ) $(8$ | ) $(0.22$ |  | (0.01 | ) | (0.04 |  | (0.05 |
| Non-U.S. commercial | 9 | 18 | 11 | 134 | 0.06 |  | 0.15 |  | 0.03 |  | 0.44 |
|  | 143 | 391 | 519 | 990 | 0.19 |  | 0.54 |  | 0.23 |  | 0.47 |
| U.S. small business commercial | 209 | 220 | 577 | 807 | 6.59 |  | 6.36 |  | 5.98 |  | 7.62 |
| Total commercial | \$352 | \$611 | \$1,096 | \$1,797 | 0.45 |  | 0.81 |  | 0.47 |  | 0.81 |

(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.

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Table 49 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 decreased $\$ 12.1$ billion at September 30, 2012 compared to December 31, 2011 driven primarily by decreases in derivative assets and SBLCs and financial guarantees, partially offset by increases in loans and leases.

Total commercial utilized credit exposure decreased $\$ 13.1$ billion at September 30, 2012 compared to December 31, 2011 driven primarily by the same factors as total commercial committed as described in the paragraph above. The decrease in derivatives relates primarily to a lower valuation of existing trades due to interest rate decreases. The utilization rate for loans and leases, SBLCs and financial guarantees, commercial letters of credit and bankers' acceptances was 58 percent and 57 percent at September 30, 2012 and December 31, 2011.

Table 49
Commercial Credit Exposure by Type

| (Dollars in millions) | Commercial Utilized ${ }^{(1)}$ |  | Commercial Unfunded (2, <br> 3) |  | Total Commercial Committed |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | September 30-cember 31 |  | September 300.ember 31 |  | Septemb | 30cember 3 |
|  | 2012 | 2011 | 2012 | 2011 | 2012 | 2011 |
| Loans and leases | \$330,757 | \$ 316,816 | \$275,765 | \$ 276,195 | \$606,522 | \$ 593,011 |
| Derivative assets ${ }^{(4)}$ | 57,865 | 73,023 | - | - | 57,865 | 73,023 |
| Standby letters of credit and financial guarantees | 44,452 | 55,384 | 1,969 | 1,592 | 46,421 | 56,976 |
| Debt securities and other investments | 9,634 | 11,108 | 6,358 | 5,147 | 15,992 | 16,255 |
| Loans held-for-sale | 6,612 | 5,006 | 73 | 229 | 6,685 | 5,235 |
| Commercial letters of credit | 2,196 | 2,411 | 823 | 832 | 3,019 | 3,243 |
| Bankers' acceptances | 208 | 797 | 2 | 28 | 210 | 825 |
| Foreclosed properties and other ${ }^{(5)}$ | 1,717 | 1,964 | - | - | 1,717 | 1,964 |
| Total | \$453,441 | \$ 466,509 | \$284,990 | \$ 284,023 | \$738,431 | \$ 750,532 | Total commercial utilized exposure at September 30, 2012 and December 31, 2011 includes loans outstanding of

(1) $\$ 6.4$ billion and $\$ 6.6$ billion and commercial letters of credit with a notional value of $\$ 697$ million and $\$ 1.3$ billion accounted for under the fair value option.
(2) Total commercial unfunded exposure at September 30, 2012 and December 31, 2011 includes loan commitments with a notional value of $\$ 19.8$ billion and $\$ 24.4$ 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 $\$ 60.0$ billion and $\$ 58.9$ billion at September 30, 2012 and December 31, 2011. Not reflected in utilized and committed exposure is additional derivative collateral held of $\$ 17.6$ billion and $\$ 16.1$ billion which consists primarily of other marketable securities.
(5) Includes $\$ 1.3$ billion of net monoline exposure at both September 30, 2012 and December 31, 2011, as discussed in Monoline and Related Exposure on page 121.

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Table 50 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 $\$ 9.9$ billion, or 36 percent, at September 30, 2012 compared to December 31, 2011, primarily in commercial real estate and U.S. commercial property types driven largely by continued paydowns, rating upgrades, charge-offs and sales outpacing downgrades. Despite the improvements, utilized reservable criticized levels remain elevated, particularly in the U.S. commercial, commercial real estate and U.S. small business commercial portfolios. At September 30, 2012, approximately 84 percent of commercial utilized reservable criticized exposure was secured compared to 85 percent at December 31, 2011.

Table 50
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

Total commercial utilized reservable criticized exposure

September 30, 2012 December 31, 2011

| Amount Percent${ }^{(2)}$ (1) | Amount <br> $(1)$ | Percent $^{(2)}$ |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
| $\$ 9,109$ | 3.94 | $\%$ | $\$ 11,731$ | 5.16 | $\%$ |
| 4,922 | 12.35 | 11,525 | 27.13 |  |  |
| 986 | 4.32 | 1,140 | 5.18 |  |  |
| 1,544 | 2.41 | 1,524 | 2.44 |  |  |
| 16,561 | 4.63 | 25,920 | 7.32 |  |  |
| 813 | 6.44 | 1,327 | 10.01 |  |  |
| $\$ 17,374$ | 4.69 | $\$ 27,247$ | 7.41 |  |  |

(1) Total commercial utilized reservable criticized exposure at September 30, 2012 and December 31, 2011 includes loans and leases of $\$ 16.0$ billion and $\$ 25.3$ billion and commercial letters of credit of $\$ 1.4$ billion and $\$ 1.9$ billion.
${ }_{(2)}$ Percentages are calculated as commercial utilized reservable criticized exposure divided by total commercial utilized reservable exposure for each exposure category.
U.S. Commercial

At September 30, 2012, 66 percent of the U.S. commercial loan portfolio, excluding small business, was managed in Global Banking, 12 percent in Global Markets, 10 percent in CBB and the remainder primarily in GWIM (business-purpose loans for wealthy clients). U.S. commercial loans, excluding loans accounted for under the fair value option, increased $\$ 12.8$ billion due to growth in middle-market regions and certain asset-backed lending products as well as a margin loan refinancing. Reservable criticized balances and nonperforming loans and leases declined $\$ 2.6$ billion and $\$ 565$ million at September 30, 2012 compared to December 31, 2011. The declines were broad-based in terms of clients and industries and were driven by improved client credit profiles and liquidity. Net charge-offs decreased in the three months ended September 30, 2012 due to improvements in portfolio trends, and increased in the nine months ended September 30, 2012 due primarily to lower recoveries in 2012 compared to the same periods in 2011.

## Commercial Real Estate

The commercial real estate portfolio is predominantly managed in Global Banking and consists of loans made primarily to public and private developers, and commercial real estate firms. Outstanding loans decreased $\$ 2.0$ billion at September 30, 2012 compared to December 31, 2011 due to paydowns outpacing new originations and renewals.

The portfolio remained diversified across property types and geographic regions. California represented the largest state concentration at 21 percent and 20 percent of commercial real estate loans and leases at September 30, 2012 and December 31, 2011. For more information on geographic and property concentrations, see Table 51.

Credit quality for commercial real estate continued to show signs of improvement; however, the recovery is generally slow across commercial real estate markets, with the recovery varying by property type and market. Nonperforming commercial real estate loans and foreclosed properties decreased 45 percent compared to December 31, 2011, primarily in the office, industrial/warehouse, shopping centers/retail and multi-use property types within the non-residential portfolio. Reservable criticized balances decreased $\$ 6.6$ billion primarily due to declines in the non-residential portfolio. For the three and nine months ended September 30, 2012, net charge-offs decreased \$205 million and $\$ 447$ million compared to the same periods in 2011 due to improvement in both the residential and non-residential portfolios.

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Table 51 presents outstanding commercial real estate loans by geographic region, based on the geographic location of the collateral, and by property type. Commercial real estate primarily includes commercial loans and leases secured by non-owner-occupied real estate which is dependent on the sale or lease of the real estate as the primary source of repayment.

Table 51
Outstanding Commercial Real Estate Loans
(Dollars in millions)

By Geographic Region

| California | $\$ 7,912$ | $\$ 7,957$ |
| :--- | :--- | :--- |
| Northeast | 6,669 | 6,554 |

Northeast 6,669 6,554

Southwest $\quad 4,929 \quad 5,243$
Southeast 4,562 4,844
Midwest $\quad 3,785 \quad 4,051$
Florida 2,161 2,502
Midsouth $\quad 1,740 \quad 1,751$
Illinois $\quad 1,645 \quad 1,871$
Northwest $\quad 1,567 \quad 1,574$
Non-U.S. $\quad 1,565 \quad 1,824$
Other ${ }^{(1)} \quad 1,044 \quad 1,425$
Total outstanding commercial real estate loans $\quad \$ 37,579 \quad \$ 39,596$
By Property Type
Non-residential
Office $\quad \$ 7,912 \quad \$ 7,571$

Shopping centers/retail $\quad 5,696 \quad 5,985$
$\begin{array}{ll}\text { Multi-family rental } & 5,542\end{array}$
Industrial/warehouse 3,567 3,988
Hotels/motels 2,653
Multi-use 2,266 3,218
Land and land development 1,599
Other 6, 6,054 6,050
Total non-residential 37,169
Residential 1,778 2,427
Total outstanding commercial real estate loans \$37,596
Includes unsecured outstandings to real estate investment trusts and national home builders whose portfolios of
${ }^{(1)}$ properties span multiple geographic regions and properties in the states of Colorado, Utah, Hawaii, Wyoming and Montana.

For the three and nine months ended September 30, 2012, we continued to see improvements in both the residential and non-residential portfolios; however, certain portions of the non-residential portfolio remain at risk as occupancy rates, rental rates and commercial property prices remain under pressure. We use a number of proactive risk mitigation initiatives to reduce utilized and potential exposure in the commercial real estate portfolios including ongoing refinement of our credit standards, additional transfers of deteriorating exposures to management by independent special asset officers and the pursuit of loan restructurings or asset sales to achieve the best results for our customers and the Corporation.

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Tables 52 and 53 present commercial real estate credit quality data by non-residential and residential property types. The residential portfolio presented in Tables 51, 52 and 53 includes condominiums and other residential real estate. Other property types in Tables 51,52 and 53 primarily include special purpose, nursing/retirement homes, medical facilities and restaurants, as well as unsecured loans to borrowers whose primary business is commercial real estate.

Table 52
Commercial Real Estate Credit Quality Data
(Dollars in millions)
Non-residential
Office
Shopping centers/retail
Multi-family rental
Industrial/warehouse
Hotels/motels
Multi-use
Land and land development
Other
Total non-residential
Residential
Total commercial real estate

| Nonperforming Loans <br> and <br> Foreclosed Properties (1) | Utilized Reservable <br> Criticized Exposure (2) |  |  |
| :--- | :--- | :--- | :--- |
| September |  |  |  |
| 2012 | 2011 | 2012 | 2011 |
|  |  |  |  |
| $\$ 380$ | $\$ 807$ | $\$ 968$ | $\$ 2,375$ |
| 323 | 561 | 685 | 1,378 |
| 203 | 339 | 457 | 1,604 |
| 242 | 521 | 419 | 1,317 |
| 117 | 173 | 282 | 716 |
| 207 | 345 | 530 | 971 |
| 394 | 530 | 477 | 749 |
| 101 | 223 | 391 | 997 |
| 1,967 | 3,499 | 4,209 | 10,107 |
| 486 | 993 | 713 | 1,418 |
| $\$ 2,453$ | $\$ 4,492$ | $\$ 4,922$ | $\$ 11,525$ |

(1) Includes commercial foreclosed properties of $\$ 425$ million and $\$ 612$ million at September 30, 2012 and December 31, 2011.
${ }^{(2)}$ Includes loans, SBLCs and bankers' acceptances and excludes loans accounted for under the fair value option.
Table 53
Commercial Real Estate Net Charge-offs and Related Ratios


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At September 30, 2012, total committed non-residential exposure was $\$ 53.5$ billion compared to $\$ 53.1$ billion at December 31, 2011, of which $\$ 35.8$ billion and $\$ 37.2$ billion were funded secured loans. Non-residential nonperforming loans and foreclosed properties were $\$ 2.0$ billion and $\$ 3.5$ billion at September 30, 2012 and December 31, 2011, which represented 5.44 percent and 9.29 percent of total non-residential loans and foreclosed properties. The decline in nonperforming loans and foreclosed properties in the non-residential portfolio was driven by decreases in the office, industrial/warehouse, shopping centers/retail and multi-use property types. Non-residential utilized reservable criticized exposure decreased to $\$ 4.2$ billion, or 11.08 percent of non-residential utilized reservable exposure, at September 30, 2012 compared to $\$ 10.1$ billion, or 25.34 percent, at December 31, 2011 primarily driven by repayments and net charge-offs. The decrease in reservable criticized exposure was driven primarily by office, multi-family rental, industrial/warehouse and shopping centers/retail property types in the non-residential portfolio. For the non-residential portfolio, net charge-offs decreased $\$ 180$ million and $\$ 351$ million for the three and nine months ended September 30, 2012 compared to the same periods in 2011 primarily due to improving appraisal values, improved borrower credit profiles and higher recoveries.

At September 30, 2012, total committed residential exposure was $\$ 3.1$ billion compared to $\$ 3.9$ billion at December 31, 2011, of which $\$ 1.8$ billion and $\$ 2.4$ billion were funded secured loans. The decline in residential committed exposure was due to repayments, net charge-offs, and continued risk reduction and mitigation initiatives in line with our portfolio strategy. Residential nonperforming loans and foreclosed properties decreased $\$ 507$ million compared to December 31, 2011 due to repayments, a decline in the volume of loans being downgraded to nonaccrual status and net charge-offs. Residential utilized reservable criticized exposure decreased $\$ 705$ million to $\$ 713$ million at September 30, 2012 due to repayments and net charge-offs. The nonperforming loans, leases and foreclosed properties and the utilized reservable criticized ratios for the residential portfolio were 26.18 percent and 38.39 percent at September 30, 2012 compared to 38.89 percent and 54.65 percent at December 31, 2011. Net charge-offs for the residential portfolio decreased $\$ 25$ million and $\$ 96$ million for the three and nine months ended September 30, 2012 compared to the same periods in 2011.

At September 30, 2012 and December 31, 2011, the commercial real estate loan portfolio included $\$ 7.1$ billion and $\$ 10.9$ billion of funded construction and land development loans that were originated to fund the construction and/or rehabilitation of commercial properties. The decline in construction and land development loans was driven by repayments, net charge-offs and continued risk mitigation initiatives which outpaced new originations. This portfolio is mostly secured and diversified across property types and geographic regions but faces continuing challenges in the housing and rental markets. Reservable criticized construction and land development loans totaled $\$ 2.2$ billion and $\$ 4.9$ billion, and nonperforming construction and land development loans and foreclosed properties totaled $\$ 1.0$ billion and $\$ 2.1$ billion at September 30, 2012 and December 31, 2011. During a property's construction phase, interest income is typically paid from interest reserves that are established at the inception of the loan. As construction is completed and the property is put into service, these interest reserves are depleted and interest payments from operating cash flows begin. Loans generally continue to be classified as construction loans until operating cash flows reach appropriate levels or the loans are refinanced. We do not recognize interest income on nonperforming loans regardless of the existence of an interest reserve.

## Non-U.S. Commercial

The non-U.S. commercial loan portfolio is managed primarily in Global Banking. Outstanding loans, excluding loans accounted for under the fair value option, increased $\$ 3.1$ billion from December 31, 2011 primarily due to growth in certain asset-backed lending products. Net charge-offs decreased $\$ 9$ million and $\$ 123$ million for the three and nine months ended September 30, 2012 compared to the same periods in 2011. For additional information on the non-U.S. commercial portfolio, see Non-U.S. Portfolio on page 124.

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## U.S. Small Business Commercial

The U.S. small business commercial loan portfolio is comprised of small business card and small business loans managed in CBB. Card-related products were 46 percent of the U.S. small business commercial portfolio at both September 30, 2012 and December 31, 2011. U.S. small business commercial net charge-offs decreased $\$ 11$ million and $\$ 230$ million for the three and nine months ended September 30, 2012 compared to the same periods in 2011 driven by improvements in delinquencies, collections and bankruptcies resulting from an improved economic environment as well as the reduction of higher risk vintages and the impact of higher credit quality originations. Of the U.S. small business commercial net charge-offs, 46 percent and 57 percent were credit card-related products for the three and nine months ended September 30, 2012 compared to 74 percent for the same periods in 2011.

## Commercial Loans Accounted for Under the Fair Value Option

The portfolio of commercial loans accounted for under the fair value option is managed primarily in Global Banking. Outstanding commercial loans accounted for under the fair value option decreased $\$ 178$ million to an aggregate fair value of $\$ 6.4$ billion at September 30, 2012 compared to December 31, 2011 primarily due to decreased corporate borrowings under bank credit facilities. We recorded net gains of $\$ 98$ million and $\$ 173$ million during the three and nine months ended September 30, 2012 compared to net losses of $\$ 285$ million and $\$ 220$ million for the same periods in 2011 resulting from changes in the fair value of the loan portfolio. These amounts were primarily attributable to changes in instrument-specific credit risk, were recorded in other income (loss) and do not reflect the results of hedging activities.

In addition, unfunded lending commitments and letters of credit accounted for under the fair value option had an aggregate fair value of $\$ 635$ million and $\$ 1.2$ billion at September 30, 2012 and December 31, 2011 which was recorded in accrued expenses and other liabilities. The associated aggregate notional amount of unfunded lending commitments and letters of credit accounted for under the fair value option was $\$ 20.5$ billion and $\$ 25.7$ billion at September 30, 2012 and December 31, 2011. We recorded net gains of $\$ 313$ million and $\$ 605$ million during the three and nine months ended September 30, 2012 compared to net losses of $\$ 559$ million and $\$ 503$ million for the same periods in 2011 resulting from maturities and terminations at par value and changes in the fair value of the loan portfolio. These amounts were primarily attributable to changes in instrument-specific credit risk, were recorded in other income and do not reflect the results of hedging activities.

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Nonperforming Commercial Loans, Leases and Foreclosed Properties Activity
Table 54 presents the nonperforming commercial loans, leases and foreclosed properties activity during the three and nine months ended September 30, 2012 and 2011. Nonperforming commercial loans and leases decreased $\$ 2.4$ billion during the nine months ended September 30, 2012 to $\$ 3.9$ billion compared to $\$ 6.3$ billion at December 31, 2011 driven by paydowns, charge-offs and sales outpacing new nonperforming loans. Approximately 93 percent of commercial nonperforming loans, leases and foreclosed properties are secured and approximately 48 percent are contractually current. Commercial nonperforming loans are carried at approximately 67 percent of their unpaid principal balance before consideration of the allowance for loan and lease losses as the carrying value of these loans has been reduced to the estimated property value less estimated costs to sell.

Table 54
Nonperforming Commercial Loans, Leases and Foreclosed Properties Activity ${ }^{(1,2)}$

|  | Three Months Ended September 30 |  | Nine Months <br> Ended <br> September 30 |  |
| :---: | :---: | :---: | :---: | :---: |
| (Dollars in millions) | 2012 | 2011 | 2012 | 2011 |
| Nonperforming loans and leases, beginning of period | \$4,715 | \$8,105 | \$6,337 | \$9,836 |
| Additions to nonperforming loans and leases: |  |  |  |  |
| New nonperforming loans and leases | 474 | 1,231 | 1,861 | 3,572 |
| Advances | 42 | 18 | 80 | 137 |
| Reductions in nonperforming loans and leases: |  |  |  |  |
| Paydowns | (548 | ) (721 | (1,927) | (2,508) |
| Sales | (113 | ) (554 | (642 | (942 |
| Returns to performing status ${ }^{(3)}$ | (262 | ) (143 | (559 | (825 |
| Charge-offs ${ }^{(4)}$ | (221 | ) (412 | (891 | (1,190) |
| Transfers to foreclosed properties ${ }^{(5)}$ | (93 | ) (205 | (265 | (646 |
| Transfers to loans held-for-sale | (46) | ) $(20$ | (46 | (135 |
| Total net reductions to nonperforming loans and leases | (767 | ) (806 | (2,389) | $(2,537)$ |
| Total nonperforming loans and leases, September 30 | 3,948 | 7,299 | 3,948 | 7,299 |
| Foreclosed properties, beginning of period | 433 | 678 | 612 | 725 |
| Additions to foreclosed properties: |  |  |  |  |
| New foreclosed properties ${ }^{(5)}$ | 74 | 159 | 201 | 420 |
| Reductions in foreclosed properties: |  |  |  |  |
| Sales | (76 ) | ) (95 | (336 | (366 |
| Write-downs | (6) | ) (21 | (52 | (58 |
| Total net additions (reductions) to foreclosed properties | (8) | ) 43 | (187 |  |
| Total foreclosed properties, September 30 | 425 | 721 | 425 | 721 |
| Nonperforming commercial loans, leases and foreclosed properties, September 30 | \$4,373 | \$8,020 | \$4,373 | \$8,020 |
| Nonperforming commercial loans and leases as a percentage of outstanding commercial loans and leases (6) | 1.22 \% | \% 2.41 |  |  |
| Nonperforming commercial loans, leases and foreclosed properties as a percentage of outstanding commercial loans, leases and foreclosed properties (6) | 1.35 | 2.64 |  |  |
| ${ }^{(1)}$ Balances do not include nonperforming LHFS of $\$ 758$ million and $\$ 1.1$ bi <br> ${ }^{(2)}$ Includes U.S. small business commercial activity. | llion at Sep | September 30 | 2012 and | $\text { dd } 2011 .$ |
| ${ }^{(3)}$ Commercial loans and leases may be returned to performing status when all full repayment of the remaining contractual principal and interest is expected | 11 principa ed or when | pal and int hen the loan | st is curre therwise | ent and becomes |

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well-secured and is in the process of collection. TDRs are generally classified as performing after a sustained period of demonstrated payment performance.
${ }_{\text {(4) }}$ Small business card loans are not classified as nonperforming; therefore, the charge-offs on these loans have no impact on nonperforming activity and accordingly are excluded from this table.
${ }_{\text {(5) }}$ New foreclosed properties represents transfers of nonperforming loans to foreclosed properties net of charge-offs recorded during the first 90 days after transfer of a loan to foreclosed properties.
${ }^{(6)}$ Excludes loans accounted for under the fair value option.

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Table 55 presents our commercial TDRs by product type and performing status. U.S. small business commercial TDRs are comprised of renegotiated small business card loans and are not classified as nonperforming as they are charged off no later than the end of the month in which the loan becomes 180 days past due. For additional information on TDRs, see Note 5 - Outstanding Loans and Leases to the Consolidated Financial Statements.

## Table 55

Commercial Troubled Debt Restructurings
September 30, 2012
December 31, 2011
(Dollars in millions)

| (Dollars in millions) | Total | Non-performingPerforming Total |  | Non-performingPerforming |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| U.S. commercial | $\$ 1,405$ | $\$ 515$ | $\$ 890$ | $\$ 1,329$ | $\$ 531$ | $\$ 798$ |
| Commercial real estate | 1,528 | 896 | 632 | 1,675 | 1,076 | 599 |
| Non-U.S. commercial | 128 | 91 | 37 | 54 | 38 | 16 |
| U.S. small business commercial | 240 | - | 240 | 389 | - | 389 |
| Total commercial troubled debt | $\$ 3,301$ | $\$ 1,502$ | $\$ 1,799$ | $\$ 3,447$ | $\$ 1,645$ | $\$ 1,802$ | restructurings

## Industry Concentrations

Table 56 presents commercial committed and utilized credit exposure by industry and the total net credit default protection purchased to cover the funded and unfunded portions of certain credit exposures. Our commercial credit exposure is diversified across a broad range of industries. Total committed commercial credit exposure was $\$ 738.4$ billion at September 30, 2012 compared to $\$ 750.5$ billion at December 31, 2011. The decrease in commercial committed exposure of $\$ 12.1$ billion was spread among several industries led by government and public education, healthcare equipment and services, and consumer services.

Industry limits are used internally to manage industry concentrations and are based on committed exposures and capital usage that are allocated on an industry-by-industry basis. A risk management framework is in place to set and approve industry limits as well as to provide ongoing monitoring. Management's Credit Risk Committee (CRC) oversees industry limit governance.

Diversified financials, our largest industry concentration, experienced an increase in committed exposure of $\$ 1.7$ billion, or two percent, at September 30, 2012 compared to December 31, 2011. This increase was primarily driven by increases in certain asset-backed lending products, partially offset by a decrease in derivative exposure.

Real estate, our second largest industry concentration, experienced a decline in committed exposure of $\$ 1.1$ billion, or two percent, at September 30, 2012 compared to December 31, 2011 primarily due to paydowns and sales which outpaced new originations and renewals. Real estate construction and land development exposure represented 16 percent of the total real estate industry committed exposure at September 30, 2012, down from 20 percent at December 31, 2011. For more information on commercial real estate and related portfolios, see Commercial Real Estate on page 113.

Committed exposure in government and public education decreased $\$ 7.2$ billion, or 13 percent, at September 30, 2012 compared to December 31, 2011 primarily driven by decreases in loans and SBLCs. Healthcare equipment and services committed exposure decreased $\$ 4.1$ billion, or nine percent, at September 30, 2012 compared to December 31, 2011 with the decrease concentrated in the not-for-profit hospital sector. Consumer services committed exposure decreased $\$ 3.6$ billion, or nine percent, at September 30, 2012 compared to December 31, 2011 reflecting lower exposure to education, restaurants, and recreation and amusement. Materials committed exposure increased $\$ 3.6$ billion, or nine percent, at September 30, 2012 compared to December 31, 2011 primarily due to higher exposure in metals mining.

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Our committed state and municipal exposure of $\$ 39.0$ billion at September 30, 2012 consisted of $\$ 31.2$ billion of commercial utilized exposure (including $\$ 16.9$ billion of funded loans, $\$ 9.8$ billion of SBLCs and $\$ 4.0$ billion of derivative assets) and unfunded commercial exposure of $\$ 7.8$ billion (primarily unfunded loan commitments and letters of credit) and is reported in the government and public education industry in Table 56. While economic recovery continues to pressure budgets, most state and local governments have implemented offsetting fiscal adjustments and continue to honor debt obligations as agreed. While historical default rates have been low, as part of our overall and ongoing risk management processes, we continually monitor these exposures through a rigorous review process. Additionally, internal communications are regularly circulated to maintain exposure levels and are in compliance with established concentration guidelines.

Table 56
Commercial Credit Exposure by Industry ${ }^{(1)}$
(Dollars in millions)
Diversified financials
Real estate (2)
Government and public education
Capital goods
Retailing
Healthcare equipment and services
Materials
Banks
Energy
Consumer services
Food, beverage and tobacco
Commercial services and supplies
Utilities
Media
Transportation
Individuals and trusts
Pharmaceuticals and biotechnology
Insurance, including monolines
Technology hardware and equipment
Software and services
Telecommunication services
Religious and social organizations
Consumer durables and apparel
Automobiles and components
Food and staples retailing
Other
Total commercial credit exposure by industry

| Commercial | Total Commercial |  |  |
| :--- | :--- | :--- | :--- |
| Utilized |  | Committed |  |
| September | 30cember 31 | September | 3Oecember 31 |
| 2012 | 2011 | 2012 | 2011 |
| $\$ 62,783$ | $\$ 64,957$ | $\$ 96,651$ | $\$ 94,969$ |
| 45,495 | 48,138 | 61,447 | 62,566 |
| 40,493 | 43,090 | 49,855 | 57,021 |
| 23,764 | 24,025 | 48,285 | 48,013 |
| 27,373 | 25,478 | 46,414 | 46,290 |
| 28,508 | 31,298 | 44,003 | 48,141 |
| 23,402 | 19,384 | 41,661 | 38,070 |
| 35,740 | 35,231 | 39,637 | 38,735 |
| 16,145 | 15,151 | 35,149 | 32,074 |
| 21,855 | 24,445 | 34,893 | 38,498 |
| 14,287 | 15,904 | 32,183 | 30,501 |
| 18,089 | 20,089 | 28,878 | 30,831 |
| 8,186 | 8,102 | 22,844 | 24,552 |
| 11,406 | 11,447 | 20,676 | 21,158 |
| 12,878 | 12,683 | 19,971 | 19,036 |
| 13,946 | 14,993 | 17,195 | 19,001 |
| 5,691 | 4,141 | 14,340 | 11,328 |
| 8,384 | 10,090 | 14,024 | 16,157 |
| 4,725 | 5,247 | 10,838 | 12,173 |
| 4,550 | 4,304 | 10,410 | 9,579 |
| 4,024 | 4,297 | 10,018 | 10,424 |
| 7,184 | 8,536 | 9,711 | 11,160 |
| 4,140 | 4,505 | 8,312 | 8,965 |
| 2,937 | 2,813 | 7,360 | 7,178 |
| 3,065 | 3,273 | 6,444 | 6,476 |
| 4,391 | 4,888 | 7,232 | 7,636 |
| $\$ 453,441$ | $\$ 466,509$ | $\$ 738,431$ | $\$ 750,532$ |
| $(3)$ |  | $\$(17,164$ | $\$(19,356$ |
|  |  |  |  |

Net credit default protection purchased on total commitments ${ }^{(3)}$
\$(17,164 ) \$ (19,356 )
${ }^{(1)}$ Includes U.S. small business commercial exposure.
Industries are viewed from a variety of perspectives to best isolate the perceived risks. For purposes of this table,
${ }^{(2)}$ the real estate industry is defined based on the borrowers' or counterparties' primary business activity using operating cash flows and primary source of repayment as key factors.
${ }^{(3)}$ Represents net notional credit protection purchased. See Risk Mitigation on page 121 for additional information.

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Monoline and Related Exposure
Monoline exposure is reported in the insurance industry and managed under insurance portfolio industry limits. We have indirect exposure to monolines primarily in the form of guarantees supporting our loans, investment portfolios, securitizations and credit-enhanced securities as part of our public finance business and other selected products. Such indirect exposure exists when we purchase credit protection from monolines to hedge all or a portion of the credit risk on certain credit exposures including loans and CDOs. We underwrite our public finance exposure by evaluating the underlying securities.

We also have indirect exposure to monolines in the form of guarantees supporting our mortgage and other loan sales. Indirect exposure may exist when credit protection was purchased from monolines to hedge all or a portion of the credit risk on certain mortgage and other loan exposures. A loss may occur when we are required to repurchase a loan and the market value of the loan has declined, or we are required to indemnify or provide recourse for a guarantor's loss. For additional information regarding our exposure to representations and warranties, see Off-Balance Sheet Arrangements and Contractual Obligations - Representations and Warranties on page 58 and Note 8 - Representations and Warranties Obligations and Corporate Guarantees to the Consolidated Financial Statements.

Table 57 presents the notional amount of our monoline derivative credit exposure, mark-to-market adjustment and the counterparty credit valuation adjustment.

Table 57
Derivative Credit Exposures
(Dollars in millions)
Notional amount of monoline exposure
Mark-to-market
Counterparty credit valuation adjustment ${ }^{(1)}$

Net mark-to-market

|  | Three Months Ended |  | Nine Months Ended |  |
| :--- | :--- | :--- | :--- | :--- |
| September 30 | September 30 |  |  |  |
| Gains (losses) from credit valuation changes | 2012 | 2011 | 2012 | 2011 |
| (172 | $\$ 44$ | $\$(172$ | $\$ 175$ | $\$(840$ |$)$

${ }^{(1)}$ Covered 16 percent and 24 percent of mark-to-market exposure at September 30, 2012 and December 31, 2011.
The notional amount of monoline exposure at September 30, 2012 decreased $\$ 6.9$ billion from December 31, 2011 due to terminations, paydowns and maturities of monoline contracts.

We also have indirect exposure to monolines as we invest in securities where the issuers have purchased insurance wraps. For example, municipalities and corporations purchase insurance in order to reduce their cost of borrowing. If the rating agencies downgrade the monolines, the credit rating of the bond may fall and this may have an adverse impact on the market value of the security. In the case of default, we first look to the underlying securities and then to the purchased insurance for recovery. Investments in securities with purchased insurance wraps issued by municipalities and corporations had a notional value of $\$ 47$ million at September 30, 2012 compared to $\$ 150$ million at December 31, 2011. The market value of the investment exposure was $\$ 10$ million at September 30, 2012 compared to $\$ 89$ million at December 31, 2011.

Risk Mitigation

We purchase credit protection to cover the funded portion as well as the unfunded portion of certain credit exposures. To lower the cost of obtaining our desired credit protection levels, credit exposure may be added within an industry, borrower or counterparty group by selling protection.

At September 30, 2012 and December 31, 2011, net notional credit default protection purchased in our credit derivatives portfolio to hedge our funded and unfunded exposures for which we elected the fair value option, as well as certain other credit exposures, was $\$ 17.2$ billion and $\$ 19.4$ billion. The mark-to-market effects resulted in net losses of $\$ 417$ million and $\$ 786$ million for the three and nine months ended September 30, 2012 compared to net gains of $\$ 623$ million and $\$ 415$ million for the same periods in 2011. The gains and losses related to these instruments are offset by gains and losses on the exposures. Table 58 presents the average Value-at-Risk (VaR) for

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these derivatives. See Trading Risk Management on page 135 for a description of our VaR calculation for the market-based trading portfolio.

Table 58
Credit Derivative Value-at-Risk

## (Dollars in millions)

Average
Credit exposure average
Combined average ${ }^{(1)}$

| Three Months <br> Ended | Nine Months En |  |  |
| :--- | :--- | :--- | :--- |
| September 30 | September 30 |  |  |
| 2012 | 2011 | 2012 | 2011 |
| $\$ 45$ | $\$ 62$ | $\$ 57$ | $\$ 55$ |
| 81 | 77 | 84 | 62 |
| 23 | 40 | 23 | 37 |

(1) Reflects the diversification effect between net credit default protection hedging our credit exposure and the related credit exposure.

Tables 59 and 60 present the maturity profiles and the credit exposure debt ratings of the net credit default protection portfolio at September 30, 2012 and December 31, 2011.

Table 59
Net Credit Default Protection by Maturity Profile

|  | September 30 |  |  | December 31 |
| :--- | :--- | :--- | :--- | :--- |
| Less than or equal to one year | 2012 | 2011 |  |  |
| Greater than one year and less than or equal to five years | 15 | $\%$ | 16 | $\%$ |
| Greater than five years | 79 | 77 |  |  |
| Total net credit default protection | 6 | 7 |  |  |

Table 60
Net Credit Default Protection by Credit Exposure Debt Rating
(Dollars in millions)
Ratings ${ }^{(1,2)}$
AAA
AA
A
BBB
BB
B
CCC and below
NR ${ }^{(4)}$
Total net credit default protection

| September 30, 2012 |  |  | December 31, 2011 |  |
| :---: | :---: | :---: | :---: | :---: |
| Net | Percent of |  | Net | Percent of |
| Notional ${ }^{(3)}$ | Total |  | Notional ${ }^{(3)}$ | Total |
| \$(184 ) | 1.1 | \% | \$(32 ) | ) 0.2 |
| (837 | 4.9 |  | (779 ) | ) 4.0 |
| (7,329 | 42.7 |  | (7,184 ) | ) 37.1 |
| (6,407 ) | 37.3 |  | (7,436 ) | ) 38.4 |
| (1,128 ) | 6.6 |  | (1,527 ) | ) 7.9 |
| (946 | 5.5 |  | (1,534 ) | ) 7.9 |
| (486 ) | 2.8 |  | (661 ) | ) 3.4 |
| 153 | (0.9 | ) | (203 ) | ) 1.1 |
| \$(17,164 ) | ) 100.0 | \% | \$(19,356 ) | ) 100.0 |

${ }^{(1)}$ Ratings are refreshed on a quarterly basis.
${ }^{(2)}$ Ratings of BBB- or higher are considered to meet the definition of investment-grade.
${ }^{(3)}$ Represents net credit default protection (purchased) sold.
(4) "NR" is comprised of names that have not been rated.

In addition to our net notional credit default protection purchased to cover the funded and unfunded portion of certain credit exposures, credit derivatives are used for market-making activities for clients and establishing positions intended to profit from directional or relative value changes. We execute the majority of our credit derivative trades in

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the OTC market with large, multinational financial institutions, including broker/dealers and, to a lesser degree, with a variety of other investors. Because these transactions are executed in the OTC market, we are subject to settlement risk. We are also subject to credit risk in the event that these counterparties fail to perform under the terms of these contracts. In most cases, credit derivative transactions are executed on a daily margin basis. Therefore, events such as a credit downgrade, depending on the ultimate rating level, or a breach of credit covenants would typically require an increase in the amount of collateral required of the counterparty, where applicable, and/or allow us to take additional protective measures such as early termination of all trades.

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Table 61 presents the total contract/notional amount of credit derivatives outstanding and includes both purchased and written credit derivatives. The credit risk amounts are measured as net asset exposure by counterparty, taking into consideration all contracts and collateral with that counterparty. The contract/notional amounts of credit derivatives decreased due to trade compressions. For information on our written credit derivatives, see Note 3 - Derivatives to the Consolidated Financial Statements.

The credit risk amounts discussed above and presented in Table 61 take into consideration the effects of legally enforceable master netting agreements while amounts disclosed in Note 3 - Derivatives to the Consolidated Financial Statements are shown on a gross basis. Credit risk reflects the potential benefit from offsetting exposure to non-credit derivative products with the same counterparties that may be netted upon the occurrence of certain events, thereby reducing our overall exposure.

Table 61
Credit Derivatives
(Dollars in millions)
Purchased credit derivatives:
Credit default swaps
Total return swaps/other
Total purchased credit derivatives
Written credit derivatives:
Credit default swaps
Total return swaps/other
Total written credit derivatives
$\mathrm{n} / \mathrm{a}=$ not applicable

| September 30, 2012 <br> Contract/ <br> Notional | Credit Risk | December 31, <br> Contract/ <br> Notional |  |
| :--- | :--- | :--- | :--- | Credit Risk

## Counterparty Credit Risk Valuation Adjustments

We record a counterparty credit risk valuation adjustment (CVA) on certain derivative assets, including our credit default protection purchased, in order to properly reflect the credit quality of the counterparty. These adjustments are necessary as the fair value of derivatives does not fully reflect the credit risk of the counterparties to the derivative assets. We calculate CVA based on a modeled expected exposure that incorporates current market risk factors including changes in market spreads and non-credit related market factors that affect the value of a derivative. The exposure also takes into consideration credit mitigants such as legally enforceable master netting arrangements and collateral. Table 62 presents credit valuation gains/losses, net of hedges, for the three and nine months ended September 30, 2012 and 2011. During the three months ended September 30, 2012, we refined our methodology for calculating CVA and DVA, on a prospective basis, from an approach that considers the probability of default for both the counterparty and the Corporation to an approach that considers only the probability of the counterparty defaulting. The methodology change increased CVA by $\$ 175$ million and DVA by $\$ 171$ million resulting in a net negative earnings impact of $\$ 4$ million for the three and nine months ended September 30, 2012. For more information, see Note 3 - Derivatives to the Consolidated Financial Statements on page 171. The effect of this change in estimate on CVA is reflected in the table below. Credit valuation gains for the three and nine months ended September 30, 2012 were due to improved counterparty creditworthiness, partially offset by hedge results. For information on our monoline counterparty credit risk, see Monoline and Related Exposure on page 121.

Table 62
Credit Valuation Activity
Three Months Ended September 30
Nine Months Ended September 30

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|  | 2012 |  |  | 2011 |  |  | 2012 |  |  | 2011 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| (Dollars in millions) | Gross | Hedge | Net | Gross | Hedge | Net | Gross | Hedge | Net | Gross | Hedge | Net |
| Credit valuation gains (losses) | \$525 | \$(450) | \$75 | \$(1,570) | \$ 1,489 | \$(81) | \$725 | \$(488) | \$237 | \$(2,014) | \$1,316 | \$(698) |

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Non-U.S. Portfolio
Our non-U.S. credit and trading portfolios are subject to country risk. We define country risk as the risk of loss from unfavorable economic and political conditions, currency fluctuations, social instability and changes in government policies. A risk management framework is in place to measure, monitor and manage non-U.S. risk and exposures. Management oversight of country risk, including cross-border risk, is provided by the Country Credit Risk Committee, formally known as the Regional Risk Committee, a subcommittee of the CRC. In addition to the direct risk of doing business in a country, we also are exposed to indirect country risks (for example, related to the collateral received on secured financing transactions or related to client clearing activities). These indirect exposures are managed in the normal course of business through credit, market and operational risk governance, rather than through the country risk governance.

Non-U.S. exposure includes credit exposure, securities and other investments issued by or domiciled in countries other than the U.S. Total non-U.S. exposure can be adjusted for externally guaranteed loans outstanding and certain collateral types. Exposures which are subject to external guarantees are reported under the country of the guarantor. Exposures with tangible collateral are reflected in the country where the collateral is held. For securities received, other than cross-border resale agreements, outstandings are assigned to the domicile of the issuer of the securities.

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As presented in Table 63, non-U.S. exposure to borrowers or counterparties in emerging markets increased $\$ 322$ million, or less than one percent, to $\$ 59.8$ billion at September 30, 2012 compared to $\$ 59.5$ billion at December 31, 2011, as increases in Latin America, the Middle East and Africa, and Central and Eastern Europe were substantially offset by a decrease in Asia Pacific. Non-U.S. exposure to borrowers or counterparties in emerging markets represented 31 percent of total non-U.S. exposure at both September 30, 2012 and December 31, 2011.

Table 63
Selected Emerging Markets ${ }^{(1)}$

| (Dollars in millions) | Loans and Leases, and Loan | Other <br> Financing <br> (2) | Net | Securities/ | Total | Local | Total |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  | Country | Selected | Increase |
|  |  |  | Counter |  | Cross- | Exposure | Emerging | (Decrease) |
|  |  |  | Exposure | Investment | border | Net | Market | from |
|  | Commitme |  | (3) |  | Exposure | of Local | Exposure a | December 31 |
|  |  |  |  |  | (5) | ${ }_{(6)}^{\text {Liabilities }}$ | September | 02011 |

Region/Country
Asia Pacific


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| Other Central and <br> Eastern Europe |  |  |  |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $(7)$ |  |  |  |  |  |  |  |  |
| Total Central and | 101 | 281 | 146 | 474 | 1,002 | - | 1,002 | 106 |
| Eastern Europe | $\$ 3,218$ | $\$ 1,168$ | $\$ 193$ | $\$ 1,283$ | $\$ 5,862$ | $\$ 94$ | $\$ 5,956$ | $\$ 1,967$ |
| Total emerging <br> market exposure | $\$ 25,508$ | $\$ 5,109$ | $\$ 4,563$ | $\$ 17,070$ | $\$ 52,250$ | $\$ 7,543$ | $\$ 59,793$ | $\$ 322$ |

There is no generally accepted definition of emerging markets. The definition that we use includes all countries in Asia Pacific excluding Japan, Australia and New Zealand; all countries in Latin America excluding Cayman
${ }^{(1)}$ Islands and Bermuda; all countries in Middle East and Africa; and all countries in Central and Eastern Europe. At September 30, 2012 and December 31, 2011, there was $\$ 2.1$ billion and $\$ 1.7$ billion in emerging markets exposure accounted for under the fair value option.
${ }^{(2)}$ Includes acceptances, due froms, SBLCs, commercial letters of credit and formal guarantees.
Net counterparty exposure includes the fair value of derivatives, including the counterparty risk associated with credit default protection, and secured financing transactions. Derivatives have been reduced by $\$ 1.9$ billion in
${ }^{(3)}$ collateral, predominantly in cash, pledged under legally enforceable netting agreements. Secured financing transactions have been reduced by eligible cash or securities pledged. The notional amount of reverse repurchase transactions was $\$ 2.9$ billion at September 30, 2012.
${ }^{(4)}$ Securities exposures are reduced by hedges and short positions on a single-name basis to but not below zero. Cross-border exposure includes amounts payable to the Corporation by borrowers or counterparties with a country
${ }^{(5)}$ of residence other than the one in which the credit is booked, regardless of the currency in which the claim is denominated, consistent with FFIEC reporting requirements.
Local country exposure includes amounts payable to the Corporation by borrowers with a country of residence in which the credit is booked regardless of the currency in which the claim is denominated. Local funding or liabilities are subtracted from local exposures consistent with FFIEC reporting requirements. Total amount of
(6) available local liabilities funding local country exposure was $\$ 17.1$ billion and $\$ 18.7$ billion at September 30, 2012 and December 31, 2011. Local liabilities at September 30, 2012 in Asia Pacific, Latin America, and Middle East and Africa were $\$ 15.8$ billion, $\$ 915$ million and $\$ 334$ million, respectively, of which $\$ 6.4$ billion was in Singapore, $\$ 2.4$ billion in China, $\$ 2.3$ billion in Hong Kong, $\$ 1.6$ billion in India and $\$ 1.1$ billion in Korea. There were no other countries with available local liabilities funding local country exposure greater than $\$ 1$ billion.
(7) No country included in Other Asia Pacific, Other Latin America, Other Middle East and Africa, or Other Central and Eastern Europe had total non-U.S. exposure of more than $\$ 500$ million.

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At both September 30, 2012 and December 31, 2011, 54 percent of the emerging markets exposure was in Asia Pacific. Emerging markets exposure in Asia Pacific decreased by $\$ 3.6$ billion with decreases predominantly in South Korea, China and Singapore. The fair value of our investment in CCB was $\$ 1.2$ billion at September 30, 2012 and $\$ 1.4$ billion at December 31, 2011. For more information on our investment in CCB, see Note 4 -Securities to the Consolidated Financial Statements.

At September 30, 2012 and December 31, 2011, 27 percent and 26 percent of the emerging markets exposure was in Latin America. Latin America emerging markets exposure increased $\$ 696$ million driven by an increase in loans in Brazil.

At September 30, 2012 and December 31, 2011, nine percent and seven percent of the emerging markets exposure was in the Middle East and Africa. At September 30, 2012 and December 31, 2011, ten percent and seven percent of the emerging markets exposure was in Central and Eastern Europe.

Certain European countries, including Greece, Ireland, Italy, Portugal and Spain, have experienced varying degrees of financial stress. Risks from the ongoing debt crisis in these countries could continue to disrupt the financial markets which could have a detrimental impact on global economic conditions and sovereign and non-sovereign debt in these countries. In the third quarter, European policymakers continued to make incremental progress toward greater fiscal and monetary unity; however, fundamental issues of competitiveness, growth and fiscal solvency remain as challenges. As a result, volatility is expected to continue. We expect to continue to support client activities in the region and our exposures may vary over time as we monitor the situation and manage our risk profile.

Table 64 shows our direct sovereign and non-sovereign exposures, excluding consumer credit card exposure, in these countries at September 30, 2012. Our total sovereign and non-sovereign exposure to these countries was $\$ 16.6$ billion at September 30, 2012 compared to $\$ 15.2$ billion at December 31, 2011. The total exposure to these countries, net of all hedges, was $\$ 11.5$ billion at September 30, 2012 compared to $\$ 10.3$ billion at December 31, 2011, of which $\$ 1.1$ billion and $\$ 362$ million was sovereign exposure. At September 30, 2012 and December 31, 2011, the fair value of hedges and credit default protection purchased net of credit default protection sold was $\$ 5.0$ billion and $\$ 4.9$ billion.

We hedge certain of our selected European country exposure with credit default protection primarily in the form of single-name, as well as index and tranche credit default swaps (CDS). The exposures associated with these hedges represent the amount that would be realized upon the isolated default of an individual issuer in the relevant country assuming a zero recovery rate for that individual issuer. Changes in the assumption of an isolated default can produce different results in a particular tranche.

The majority of our CDS contracts are with highly-rated financial institutions primarily outside of the Eurozone and we work to limit or eliminate correlated CDS. Due to our engagement in market-making activities, our CDS portfolio contains contracts with various maturities to a diverse set of counterparties. We work to limit mismatches in maturities between our exposures and the CDS we use to hedge them. However, there may be instances where the protection purchased has a different maturity from the exposure for which the protection was purchased, in which case, those exposures and hedges are subject to more active monitoring and management.

The gross notional amount of single-name CDS protection purchased and sold on reference assets at September 30, 2012 was $\$ 1.7$ billion for both purchased and sold in Greece, $\$ 3.0$ billion and $\$ 2.7$ billion in Ireland, $\$ 45.3$ billion and $\$ 38.7$ billion in Italy, $\$ 8.1$ billion and $\$ 8.0$ billion in Portugal, and $\$ 21.9$ billion and $\$ 21.4$ billion in Spain. After the consideration of legally-enforceable counterparty master netting agreements, the gross notional CDS protection purchased and sold on those same reference assets was $\$ 475$ million and $\$ 430$ million in Greece, $\$ 1.6$ billion and $\$ 1.3$ billion in Ireland, $\$ 13.5$ billion and $\$ 6.7$ billion in Italy, $\$ 1.6$ billion and $\$ 1.5$ billion in Portugal, and $\$ 4.5$ billion and $\$ 4.1$ billion in Spain.

The gross fair value of single-name CDS protection purchased and sold on reference assets at September 30, 2012 was $\$ 328$ million and $\$ 326$ million in Greece, $\$ 125$ million and $\$ 97$ million in Ireland, $\$ 3.3$ billion and $\$ 3.0$ billion in Italy, $\$ 544$ million and $\$ 527$ million in Portugal, and $\$ 1.3$ billion for both purchased and sold in Spain. After the consideration of legally-enforceable counterparty master netting agreements, the gross fair value of CDS protection purchased and sold on those same reference assets was $\$ 49$ million and $\$ 46$ million in Greece, $\$ 128$ million and $\$ 99$ million in Ireland, $\$ 907$ million and $\$ 578$ million in Italy, $\$ 115$ million and $\$ 102$ million in Portugal, and $\$ 249$ million and $\$ 268$ million in Spain.

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Losses could still result even if there is credit default protection purchased because the purchased credit protection contracts only pay out under certain scenarios and thus not all losses may be covered by the credit protection contracts. The effectiveness of our CDS protection as a hedge of these risks is influenced by a number of factors, including the contractual terms of the CDS. Generally, only the occurrence of a credit event as defined by the CDS terms (which may include, among other events, the failure to pay by, or restructuring of, the reference entity) results in a payment under the purchased credit protection contracts. The determination as to whether a credit event has occurred is made by the relevant International Swaps and Derivatives Association, Inc. (ISDA) Determination Committee (comprised of various ISDA member firms) based on the terms of the CDS and facts and circumstances for the event. Accordingly, uncertainties exist as to whether any particular strategy or policy action for addressing the European debt crisis would constitute a credit event under the CDS. A voluntary restructuring may not trigger a credit event under CDS terms and consequently may not trigger a payment under the CDS contract.

In addition to our direct sovereign and non-sovereign exposures, a significant deterioration in the European debt crisis could result in material reductions in the value of sovereign debt and other asset classes, disruptions in capital markets, widening of credit spreads of U.S. and other financial institutions, loss of investor confidence in the financial services industry, a slowdown in global economic activity and other adverse developments. For additional information on the debt crisis in Europe, see Item 1A. Risk Factors of the Corporation's 2011 Annual Report on Form 10-K.

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Table 64
Selected European Countries


Includes loans, leases, overdrafts, acceptances, due froms, SBLCs, commercial letters of credit and formal
${ }^{(1)}$ guarantees, which have not been reduced by collateral, hedges or credit default protection. Funded loans are reported net of charge-offs, prior to any impairment provision.

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Net counterparty exposure includes the fair value of derivatives including the counterparty risk associated with credit default protection and secured financing transactions. Derivatives have been reduced by $\$ 4.3$ billion in collateral, predominantly in cash, pledged under legally enforceable netting agreements. Secured financing transactions have been reduced by eligible cash or securities pledged. The notional amount of reverse repurchase transactions was $\$ 647$ million at September 30, 2012. Counterparty exposure has not been reduced by hedges or credit default protection.
Long securities exposures have been netted on a single-name basis to but not below zero by short positions of $\$ 3.9$
${ }^{(3)}$ billion and net CDS purchased of $\$ 2.1$ billion, consisting of $\$ 2.3$ billion of net single-name CDS purchased and $\$ 141$ million of net index and tranched CDS sold.
Represents credit default protection purchased, net of credit default protection sold, which is used to mitigate the Corporation's risk to exposures listed that comprise Country Exposure as listed, including $\$ 3.0$ billion, consisting of $\$ 3.2$ billion in net single-name CDS purchased and $\$ 206$ million in net index and tranched CDS sold, to hedge loans and securities, $\$ 2.0$ billion in additional credit default protection purchased to hedge derivative assets and $\$ 71$ million in other short positions. Amounts are calculated based on the credit default protection notional amount assuming zero recovery adjusted for any fair value receivable or payable.
${ }^{(5)}$ Represents country exposure less hedges and credit default protection.

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## Provision for Credit Losses

The provision for credit losses decreased $\$ 1.6$ billion to $\$ 1.8$ billion, and decreased $\$ 4.5$ billion to $\$ 6.0$ billion for the three and nine months ended September 30, 2012 compared to the same periods in 2011, for the reasons stated below. The provision for credit losses was $\$ 2.3$ billion and $\$ 5.8$ billion lower than net charge-offs for the three and nine months ended September 30, 2012 resulting in reductions in the allowance for credit losses compared to reductions of $\$ 1.7$ billion and $\$ 6.3$ billion in the allowance for credit losses for the three and nine months ended September 30, 2011. The reduction in the allowance for the three and nine months ended September 30, 2012 included $\$ 435$ million of reserves on the loans forgiven as a part of the National Mortgage Settlement. Absent unexpected deterioration in the economy, we expect reductions in the allowance for loan and lease losses, excluding the valuation allowance for PCI loans, to continue in the near term, though at a slower pace than in 2011.

The provision for credit losses for the consumer portfolio decreased $\$ 1.9$ billion to $\$ 1.6$ billion, and decreased $\$ 5.2$ billion to $\$ 6.0$ billion for the three and nine months ended September 30, 2012 compared to the same periods in 2011. The improvement was primarily in the home equity and residential mortgage loan portfolios due to improved portfolio trends and an improved home price outlook in our PCI portfolios. This was partially offset by the impact of new regulatory guidance regarding the treatment of loans discharged in Chapter 7 bankruptcy. The provision for credit losses related to the PCI loan portfolios was a benefit of $\$ 166$ million and expense of $\$ 327$ million for the three and nine months ended September 30, 2012 compared to no provision for credit losses and $\$ 2.0$ billion for the same periods in 2011.

The provision for credit losses for the commercial portfolio, including the provision benefit for unfunded lending commitments, increased $\$ 256$ million to $\$ 197$ million, and $\$ 706$ million to $\$ 11$ million for the three and nine months ended September 30, 2012 compared to the same periods in 2011 due to stabilization in the credit quality of the core commercial portfolio.

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Allowance for Credit Losses

## Allowance for Loan and Lease Losses

The allowance for loan and lease losses is comprised of two components as described below. We evaluate the adequacy of the allowance for loan and lease losses based on the total of these two components. The allowance for loan and lease losses excludes LHFS and loans accounted for under the fair value option as the fair value reflects a credit risk component.

One component of the allowance for loan and lease losses covers nonperforming and performing commercial loans that have been modified in a TDR, consumer real estate loans that have been modified in a TDR, renegotiated credit card, and renegotiated unsecured consumer and small business loans. These loans are subject to impairment measurement based on the present value of projected future cash flows discounted at the loan's original effective interest rate, or in certain circumstances, impairment may also be based upon the collateral value or the loan's observable market price if available. Impairment measurement for the renegotiated credit card, unsecured consumer and small business TDR portfolios is based on the present value of projected cash flows discounted using the average portfolio contractual interest rate, excluding promotionally priced loans, in effect prior to restructuring. For purposes of computing this specific loss component of the allowance, larger impaired loans are evaluated individually and smaller impaired loans are evaluated as a pool using historical loss experience for the respective product types and risk ratings of the loans.

The rest of the allowance for loan and lease losses covers the remaining consumer and commercial loans and leases that have incurred losses but which are not yet individually identifiable. The allowance for consumer and certain homogeneous commercial loan and lease products is based on aggregated portfolio evaluations, generally by product type. Loss forecast models are utilized that consider a variety of factors including, but not limited to, historical loss experience, estimated defaults or foreclosures based on portfolio trends, delinquencies, economic trends and credit scores. Our consumer real estate loss forecast model estimates the portion of loans that will default based on individual loan attributes, the most significant of which are refreshed LTV or CLTV, and borrower credit score as well as vintage and geography, all of which are further broken down into current delinquency status. Additionally, we incorporate the delinquency status of underlying first-lien loans on our junior-lien home equity portfolio in our allowance process. Incorporating refreshed LTV and CLTV into our probability of default allows us to factor the impact of changes in home prices into our allowance for loan and lease losses. These loss forecast models are updated on a quarterly basis to incorporate information reflecting the current economic environment. The loss forecast process resulted in reductions in the allowance for all major consumer portfolios for the nine months ended September 30, 2012.

The allowance for commercial loan and lease losses is established by product type after analyzing historical loss experience by internal risk rating, current economic conditions, industry performance trends, geographic and obligor concentrations within each portfolio and any other pertinent information. The statistical models for commercial loans are generally updated annually and utilize our historical database of actual defaults and other data. The loan risk ratings and composition of the commercial portfolios are updated at least quarterly to incorporate the most recent data reflecting the current economic environment. For risk-rated commercial loans, we estimate the probability of default and the loss given default (LGD) based on our historical experience of defaults and credit losses. Factors considered when assessing the internal risk rating include the value of the underlying collateral, if applicable, the industry in which the obligor operates, the obligor's liquidity and other financial indicators, and other quantitative and qualitative factors relevant to the obligor's credit risk. Updates to the loan risk ratings and portfolio composition resulted in reductions in the allowance for the U.S. commercial, commercial real estate and commercial lease financing portfolios for the nine months ended September 30, 2012.

Also included within the allowance for loan and lease losses and determined separately from the preceding discussion are reserves to cover losses that are incurred but, in our assessment, may not be adequately represented in the historical loss data used in the loss forecast models. For example, factors that we consider include, among others, changes in lending policies and procedures, changes in economic and business conditions, changes in the nature and volume of the portfolio, changes in the volume and severity of past due loans and nonaccrual loans and the effect of other external factors such as competition, and legal and regulatory requirements. We also consider factors that are applicable to unique portfolio segments. For example, we consider the risk of uncertainty in our loss forecasting models related to junior-lien home equity loans that are current, but have first-lien loans that we do not service that are 30 days or more past due. In addition, we consider the inherent uncertainty in mathematical models that are built upon historical data.

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During the three and nine months ended September 30, 2012, the factors that impacted the allowance for loan and lease losses included significant overall improvements in the credit quality of the portfolios, driven by improvements in the U.S. economy and labor markets, proactive credit risk management initiatives and the impact of recent higher credit quality originations. Additionally, the resolution of uncertainties through current recognition of net charge-offs, specifically in the home loans portfolios, has impacted the amount of reserve needed in that portfolio. Evidencing the improvements in the U.S. economy and labor markets are modest growth in consumer spending, improvements in unemployment levels, a decrease in the absolute level and our share of national consumer bankruptcy filings, a rise in both residential building activity and overall home prices. In addition to these improvements, paydowns, charge-offs and returns to performing status and upgrades out of criticized, continued to outpace new nonaccrual consumer loans and reservable criticized commercial loans, but such loans remained elevated relative to levels experienced prior to the financial crisis.

We monitor differences between estimated and actual incurred loan and lease losses. This monitoring process includes periodic assessments by senior management of loan and lease portfolios and the models used to estimate incurred losses in those portfolios.

Additions to, or reductions of, the allowance for loan and lease losses generally are recorded through charges or credits to the provision for credit losses. Credit exposures deemed to be uncollectible are charged against the allowance for loan and lease losses. Recoveries of previously charged off amounts are credited to the allowance for loan and lease losses.

The allowance for loan and lease losses for the consumer portfolio as presented in Table 66 was $\$ 23.1$ billion at September 30, 2012, a decrease of $\$ 6.6$ billion from December 31, 2011. The decrease in the home equity and residential mortgage allowance was driven primarily by improved delinquencies and home prices as evidenced by improving LTV concentrations as presented in Tables 33 and 35. In addition, the home equity allowance included a $\$ 2.0$ billion reserve reduction, including $\$ 1.6$ billion related to the PCI allowance due to the forgiveness of fully reserved home equity loans in connection with the National Mortgage Settlement. Also, the reduction in the home equity allowance benefited from reduced exposures to current junior-liens that we estimate had a first-lien 90 days or more past due. Further, within the PCI loan portfolios, updates to our projected cash flows resulted in a provision benefit of $\$ 166$ million and expense of $\$ 327$ million for the three and nine months ended September 30, 2012, primarily due to our updated home price outlook. This compared to no provision and $\$ 2.0$ billion for the three and nine months ended September 30, 2011. The decrease in the U.S. credit card and unsecured consumer lending portfolios in CBB was primarily due to improvement in delinquencies and bankruptcies. For example, in the U.S. credit card portfolio, accruing loans 30 days or more past due decreased to $\$ 2.9$ billion from $\$ 3.8$ billion (to 3.06 percent from 3.74 percent of outstanding U.S. credit card loans) at September 30, 2012 compared to December 31, 2011, and accruing loans 90 days or more past due decreased to $\$ 1.5$ billion from $\$ 2.1$ billion (to 1.58 percent from 2.02 percent of outstanding U.S. credit card loans) over that same period. See Tables 30, 31, 33, 35, 41 and 43 for additional details on key consumer credit statistics.

The allowance for loan and lease losses for the commercial portfolio as presented in Table 66 was $\$ 3.2$ billion at September 30, 2012, a $\$ 957$ million decrease from December 31, 2011. The decrease was driven by continued improvement in the credit quality of the core commercial portfolio. For example, the commercial utilized reservable criticized exposure decreased to $\$ 17.4$ billion from $\$ 27.2$ billion (to 4.69 percent from 7.41 percent of total commercial utilized reservable exposure) at September 30, 2012 compared to December 31, 2011. Similarly, nonperforming commercial loans declined to $\$ 3.9$ billion from $\$ 6.3$ billion (to 1.22 percent from 2.04 percent of outstanding commercial loans) at September 30, 2012 compared to December 31, 2011. See Tables 47, 48 and 50 for additional details on key commercial credit statistics.

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The allowance for loan and lease losses as a percentage of total loans and leases outstanding was 2.96 percent at September 30, 2012 compared to 3.68 percent at December 31, 2011. The decrease in the ratio was primarily due to improved credit quality driven by improved economic conditions and the home equity PCI loans that were forgiven which led to the reduction in the allowance for credit losses discussed above. The September 30, 2012 and
December 31, 2011 ratios above include the PCI loan portfolio. Excluding the PCI loan portfolio, the allowance for loan and lease losses as a percentage of total loans and leases outstanding was 2.23 percent at September 30, 2012 compared to 2.86 percent at December 31, 2011.

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Table 65 presents a rollforward of the allowance for credit losses, which includes the allowance for loan and lease losses and the reserve for unfunded lending commitments, for the three and nine months ended September 30, 2012 and 2011.

Table 65
Allowance for Credit Losses
(Dollars in millions)
Allowance for loan and lease losses, beginning of period
Loans and leases charged off
Residential mortgage
Home equity
Discontinued real estate
U.S. credit card

Non-U.S. credit card
Direct/Indirect consumer
Other consumer
Total consumer charge-offs
U.S. commercial ${ }^{(1)}$

Commercial real estate
Commercial lease financing
Non-U.S. commercial
Total commercial charge-offs
Total loans and leases charged off
Recoveries of loans and leases previously charged off
Residential mortgage
Home equity
Discontinued real estate
U.S. credit card

Non-U.S. credit card
Direct/Indirect consumer
Other consumer
Total consumer recoveries
U.S. commercial ${ }^{(2)}$

Commercial real estate
Commercial lease financing
Non-U.S. commercial
Total commercial recoveries
Total recoveries of loans and leases previously charged off
Net charge-offs
Provision for loan and lease losses
Write-off of home equity PCI loans
Other ${ }^{(3)}$
Allowance for loan and lease losses, September 30
Reserve for unfunded lending commitments, beginning of period
Provision for unfunded lending commitments
Other ${ }^{(4)}$

| Three Months Ended September 30 |  | Nine Months Ended |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  | Septemb |  |  |
| 2012 | 2011 | 2012 | 2011 |  |
| \$30,288 | \$37,312 | \$33,783 | \$41,885 |  |
| (734 | ) $(1,051$ | ) $(2,468$ | ) $(3,248$ | ) |
| (1,729 | ) $(1,245$ | ) $(3,733$ | ) $(3,859$ | ) |
| (17 | ) (29 | ) (55 | ) $(80$ | ) |
| (1,244 | ) $(1,852$ | ) $(4,207$ | ) $(6,476$ | ) |
| (134 | ) (432 | ) (618 | ) $(1,381$ | ) |
| (271 | ) (463 | ) (957 | ) $(1,755$ | ) |
| (72 | ) (66 | ) (201 | ) (177 | ) |
| (4,201 | ) $(5,138$ | ) $(12,239$ | ) $(16,976$ | ) |
| (340 | ) (395 | ) $(1,025$ | ) $(1,288$ | ) |
| (143 | ) (389 | ) (577 | ) $(1,030$ | ) |
| (3 | ) (6 | ) (24 | ) (23 | ) |
| (6 | ) (20 | ) (19 | ) (134 | ) |
| (492 | ) $(810$ | ) $(1,645$ | ) $(2,475$ | ) |
| (4,693 | ) $(5,948$ | ) $(13,884$ | ) $(19,451$ | ) |
| 27 | 62 | 129 | 250 |  |
| 108 | 153 | 263 | 325 |  |
| 2 | 5 | 8 | 10 |  |
| 165 | 213 | 553 | 632 |  |
| 10 | 58 | 156 | 176 |  |
| 110 | 162 | 389 | 563 |  |
| 9 | 10 | 33 | 38 |  |
| 431 | 663 | 1,531 | 1,994 |  |
| 76 | 97 | 233 | 364 |  |
| 52 | 93 | 277 | 283 |  |
| 15 | 7 | 31 | 31 |  |
| (3 | ) 2 | 8 | - |  |
| 140 | 199 | 549 | 678 |  |
| 571 | 862 | 2,080 | 2,672 |  |
| (4,122 | ) $(5,086$ | ) $(11,804$ | ) $(16,779$ | ) |
| 1,810 | 3,474 | 6,107 | 10,650 |  |
| (1,705 | ) - | (1,705 | ) - |  |
| (38 | ) (618 | ) (148 | ) (674 | ) |
| 26,233 | 35,082 | 26,233 | 35,082 |  |
| 574 | 897 | 714 | 1,188 |  |
| (36 | ) (67 | ) (142 | ) (174 | ) |
| (20 | ) (40 | ) (54 | ) (224 | ) |

$\begin{array}{llllll}\text { Reserve for unfunded lending commitments, September } 30 & 518 & 790 & 518 & 790\end{array}$
Allowance for credit losses, September $30 \quad \$ 26,751 \quad \$ 35,872 \quad \$ 26,751 \quad \$ 35,872$
(1) Includes U.S. small business commercial charge-offs of $\$ 236$ million and $\$ 650$ million for the three and nine months ended September 30, 2012 compared to $\$ 247$ million and $\$ 887$ million for the same periods in 2011.
(2) Includes U.S. small business commercial recoveries of $\$ 27$ million and $\$ 73$ million for the three and nine months ended September 30, 2012 compared to $\$ 27$ million and $\$ 80$ million for the same periods in 2011.
${ }^{(3)}$ Primarily represents the impacts of portfolio sales, deconsolidations and foreign currency translation adjustments.
${ }_{(4)}$ Primarily represents accretion of the Merrill Lynch purchase accounting adjustment and the impact of funding previously unfunded positions.

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Table 65
Allowance for Credit Losses (continued)
(Dollars in millions)
Loan and allowance ratios:
Loans and leases outstanding at September $30^{(5)}$
Allowance for loan and lease losses as a percentage of total loans and leases outstanding at September 30 (5)
Consumer allowance for loan and lease losses as a percentage of total consumer loans outstanding at

| Three Months Ended | Nine Months Ended |  |
| :--- | :--- | :--- |
| September 30 | September 30 |  |
| 2012 | 2011 | 2012 |

September $30{ }^{(6)}$
Commercial allowance for loan and lease losses as a
$\begin{array}{lllll}\text { percentage of total commercial loans and leases } & 0.98 & 1.59 & 0.98 & 1.59\end{array}$
outstanding at September $30{ }^{(7)}$
$\begin{array}{llll}\text { Average loans and leases outstanding (5) } & \$ 880,736 \quad \$ 931,110 & \$ 892,136 \quad \$ 932,127\end{array}$
Annualized net charge-offs as a percentage of average loans and leases outstanding ( 5,8 )
Allowance for loan and lease losses as a percentage of total nonperforming loans and leases at September $30(5,9) 111$
Ratio of the allowance for loan and lease losses at
September 30 to annualized net charge-offs ${ }^{(8)}$
1.60
$1.74 \quad 1.66$
1.56

Amounts included in allowance for loan and lease losses that are excluded from nonperforming loans and leases at $\$ 13,978$
\$18,317 \$13,978 \$18,317
September $30{ }^{(10)}$
Allowance for loan and lease losses as a percentage of total nonperforming loans and leases excluding amounts included in the allowance for loan and lease losses that $\quad 52 \quad \% \quad 63 \quad \% \quad 52 \quad \% \quad 63 \quad \%$ are excluded from nonperforming loans and leases at September $30{ }^{(10)}$
Loan and allowance ratios excluding purchased credit-impaired loans and the related valuation allowance:
(11)

Allowance for loan and lease losses as a percentage of total loans and leases outstanding at September 30 (5)
Consumer allowance for loan and lease losses as a percentage of total consumer loans outstanding at 223

September $30^{(6)}$
Annualized net charge-offs as a percentage of average loans and leases outstanding ( 5,8 )
Allowance for loan and lease losses as a percentage of total nonperforming loans and leases at September $30(5,9) 81$ Ratio of the allowance for loan and lease losses at September 30 to annualized net charge-offs ${ }^{(8)}$

Outstanding loan and lease balances and ratios do not include loans accounted for under the fair value option.
(5) Loans accounted for under the fair value option were $\$ 7.6$ billion and $\$ 11.2$ billion at September 30, 2012 and 2011. Average loans accounted for under the fair value option were $\$ 8.1$ billion and $\$ 8.5$ billion for the three and nine months ended September 30, 2012 compared to $\$ 10.9$ billion and $\$ 7.7$ billion for the same periods in 2011.
(6)

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Excludes consumer loans accounted for under the fair value option of $\$ 1.2$ billion and $\$ 4.7$ billion at September 30, 2012 and 2011.
(7) Excludes commercial loans accounted for under the fair value option of $\$ 6.4$ billion and $\$ 6.5$ billion at September 30, 2012 and 2011.
Net charge-offs exclude $\$ 1.7$ billion of write-offs in the home equity PCI portfolio for the three and nine months
${ }^{(8)}$ ended September 30, 2012. These write-offs decreased the PCI valuation allowance included as part of the allowance for loan and lease losses.

For more information on our definition of nonperforming loans, see pages 106 and 118.
(10) Primarily includes amounts allocated to the U.S. credit card and unsecured consumer lending portfolios in CBB, PCI loans and the non-U.S. credit card portfolio in All Other.
(11) For more information on the PCI loan portfolio and the valuation allowance for PCI loans, see Note 5 Outstanding Loans and Leases and Note 6 - Allowance for Credit Losses to the Consolidated Financial Statements.

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For reporting purposes, we allocate the allowance for credit losses across products. However, the allowance is available to absorb any credit losses within the loan portfolio, without restriction. Table 66 presents our allocation by product type.

Table 66
Allocation of the Allowance for Credit Losses by Product Type
September 30, 2012
December 31, 2011

| (Dollars in millions) | Amount | Percent of | Percent of <br> Loans and <br> Total | Leases <br> Outstanding (1) | Percent of <br> Percent of |
| :--- | :--- | :--- | :--- | :--- | :--- |
| Total |  |  |  |  |  |$\quad$| Loas and |
| :--- |
| Leases |
| Outstanding |

Allowance for loan and lease losses

| Residential mortgage | $\$ 5,576$ | 21.26 | $\%$ | 2.25 | $\%$ | $\$ 5,935$ | 17.57 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Home equity | 8,949 | 34.11 |  | 7.97 |  | 13,094 | 38.76 |
| Discontinued real estate | 2,009 | 7.66 |  | 20.34 |  | 2,050 | 6.07 |
| U.S. credit card | 4,898 | 18.67 | 5.26 |  | 6,322 | 18.71 | 18.48 |
| Non-U.S. credit card | 712 | 2.71 | 5.35 | 946 | 2.80 | 6.18 |  |
| Direct/Indirect consumer | 791 | 3.02 | 0.96 | 1,153 | 3.41 | 1.29 |  |
| Other consumer | 120 | 0.46 | 4.43 | 148 | 0.44 | 5.50 |  |
| Total consumer | 23,055 | 87.89 | 4.11 | 29,648 | 87.76 | 4.88 |  |
| U.S. commercial (2) | 1,908 | 7.27 | 0.93 | 2,441 | 7.23 | 1.26 |  |
| Commercial real estate | 894 | 3.41 | 2.38 | 1,349 | 3.99 | 3.41 |  |
| Commercial lease financing | 81 | 0.31 | 0.35 | 92 | 0.27 | 0.42 |  |
| Non-U.S. commercial | 295 | 1.12 | 0.50 | 253 | 0.75 | 0.46 |  |
| Total commercial (3) | 3,178 | 12.11 | 0.98 | 4,135 | 12.24 | 1.33 |  |
| Allowance for loan and lease | 26,233 | 100.00 | $\%$ | 2.96 | 33,783 | 100.00 | $\%$ |
| losses |  |  |  |  |  |  |  |
| Reserve for unfunded lending | 518 |  |  | 714 |  |  |  |

commitments
Allowance for credit losses ${ }^{(4)} \quad \$ 26,751$
\$34,497

Ratios are calculated as allowance for loan and lease losses as a percentage of loans and leases outstanding excluding loans accounted for under the fair value option. Consumer loans accounted for under the fair value
(1) option include residential mortgage loans of $\$ 160$ million and $\$ 906$ million and discontinued real estate loans of $\$ 1.0$ billion and $\$ 1.3$ billion at September 30, 2012 and December 31, 2011. Commercial loans accounted for under the fair value option include U.S. commercial loans of $\$ 2.0$ billion and $\$ 2.2$ billion and non-U.S. commercial loans of $\$ 4.4$ billion and $\$ 4.4$ billion at September 30, 2012 and December 31, 2011.
${ }^{(2)}$ Includes allowance for U.S. small business commercial loans of $\$ 701$ million and $\$ 893$ million at September 30, 2012 and December 31, 2011.
${ }^{(3)}$ Includes allowance for loan and lease losses for impaired commercial loans of $\$ 391$ million and $\$ 545$ million at September 30, 2012 and December 31, 2011.
${ }^{(4)}$ Includes $\$ 7.1$ billion and $\$ 8.5$ billion of valuation allowance presented with the allowance for credit losses related to PCI loans at September 30, 2012 and December 31, 2011.

Reserve for Unfunded Lending Commitments
In addition to the allowance for loan and lease losses, we also estimate probable losses related to unfunded lending commitments such as letters of credit, financial guarantees, unfunded bankers' acceptances and binding loan
commitments, excluding commitments accounted for under the fair value option. Unfunded lending commitments are subject to the same assessment as funded loans, including estimates of probability of default and LGD. Due to the nature of unfunded commitments, the estimate of probable losses must also consider utilization. To estimate the portion of these undrawn commitments that is likely to be drawn by a borrower at the time of estimated default, analyses of the Corporation's historical experience are applied to the unfunded commitments to estimate the funded exposure at default (EAD). The expected loss for unfunded lending commitments is the product of the probability of default, the LGD and the EAD, adjusted for any qualitative factors including economic uncertainty and inherent imprecision in models.

The reserve for unfunded lending commitments at September 30, 2012 was $\$ 518$ million, $\$ 196$ million lower than December 31, 2011 driven by improved credit quality in the unfunded portfolio and accretion of purchase accounting adjustments on acquired Merrill Lynch unfunded positions.

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Market Risk Management
Market risk is the risk that values of assets and liabilities or revenues will be adversely affected by changes in market conditions. This risk is inherent in the financial instruments associated with our operations and/or activities including loans, deposits, securities, short-term borrowings, long-term debt, trading account assets and liabilities, and derivatives. Market-sensitive assets and liabilities are generated through loans and deposits associated with our traditional banking business, customer and other trading operations, the ALM process, credit risk mitigation activities and mortgage banking activities. In the event of market volatility, factors such as underlying market movements and liquidity have an impact on the results of the Corporation. For additional information on our market risk management process, see pages 89 through 96 of the MD\&A of the Corporation's 2011 Annual Report on Form 10-K.

## Trading Risk Management

Trading-related revenues represent the amount earned from trading positions, including trading-related net interest income, which are taken in a diverse range of financial instruments and markets. Trading account assets and liabilities and derivative positions are reported at fair value. For more information on fair value, see Note 15 - Fair Value Measurements to the Consolidated Financial Statements. Trading-related revenues can be volatile and are largely driven by general market conditions and customer demand. Also, trading-related revenues are dependent on the volume and type of transactions, the level of risk assumed, and the volatility of price and rate movements at any given time within the ever-changing market environment.

The Global Markets Risk Committee (GMRC), chaired by the Global Markets Risk Executive, has been designated by ALMRC as the primary governance authority for global markets risk management including trading risk management. The GMRC's focus is to take a forward-looking view of the primary credit and market risks impacting Global Markets and prioritize those that need a proactive risk mitigation strategy. Market risks that impact businesses outside of Global Markets are monitored and governed by their respective governance authorities.

The GMRC monitors significant daily revenues and losses by business and the primary drivers of the revenues or losses. Thresholds are in place for each of our businesses in order to determine if the revenue or loss is considered to be significant for that business. If any of the thresholds are exceeded, an explanation of the variance is provided to the GMRC. The thresholds are developed in coordination with the respective risk managers to highlight those revenues or losses that exceed what is considered to be normal daily income statement volatility.

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The histogram below is a graphic depiction of trading volatility and illustrates the daily level of trading-related revenue for the three months ended September 30, 2012 compared to the three months ended June 30, 2012 and March 31, 2012. During the three months ended September 30, 2012, positive trading-related revenue was recorded for 98 percent, or 62 of the 63 trading days of which 81 percent ( 51 days) were daily trading gains of over $\$ 25$ million and the largest loss was less than $\$ 1$ million. These results can be compared to the three months ended June 30, 2012, where positive trading-related revenue was recorded for 95 percent, or 60 of the 63 trading days of which 75 percent (47 days) were daily trading gains of over $\$ 25$ million and the largest loss was $\$ 11$ million. During the three months ended March 31, 2012, positive trading-related revenue was recorded for 100 percent, or all 62 of the trading days, of which 95 percent ( 59 days) were daily trading gains of over $\$ 25$ million. There were no daily trading losses recorded during the three months ended March 31, 2012.

To evaluate risk in our trading activities, we focus on the actual and potential volatility of individual positions as well as portfolios. VaR is a key statistic used to measure market risk. In order to manage day-to-day risks, VaR is subject to trading limits both for our overall trading portfolio and within individual businesses. All trading limit excesses are communicated to management for review.

A VaR model simulates the value of a portfolio under a range of hypothetical scenarios in order to generate a distribution of potential gains and losses. VaR represents the loss the portfolio is expected to experience with a given confidence level based on historical data. Within any VaR model, there are significant and numerous assumptions that will differ from company to company. In addition, the accuracy of a VaR model depends on the availability and quality of historical data for each of the positions in the portfolio. A VaR model may require additional modeling assumptions for new products that do not have extensive historical price data or for illiquid positions for which accurate daily prices are not consistently available.

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A VaR model is an effective tool in estimating ranges of potential gains and losses on our trading portfolios. There are, however, many limitations inherent in a VaR model as it utilizes historical results over a defined time period to estimate future performance. Historical results may not always be indicative of future results and changes in market conditions or in the composition of the underlying portfolio could have a material impact on the accuracy of the VaR model. In order for the VaR model to reflect current market conditions, we update the historical data underlying our VaR model on a bi-weekly basis and regularly review the assumptions underlying the model. Our VaR model utilizes three years of historical data. This time period was chosen to ensure that the VaR reflects both a broad range of market movements as well as being sensitive to recent changes in market volatility. In addition, certain type of risks associated with positions that are illiquid and/or unobservable are not included in VaR. If these risks are material, the VaR model results will be supplemented.

We continually review, evaluate and enhance our VaR model so that it reflects the material risks in our trading portfolio. Changes to the VaR model are reviewed and approved prior to implementation and any material changes are reported to management through the appropriate governance committees. Nevertheless, due to the limitations previously discussed, we have historically used the VaR model as only one of the components in managing our trading risk and also use other techniques such as stress testing and desk level limits. Periods of extreme market stress influence the reliability of these techniques to varying degrees.

The accuracy of the VaR methodology is reviewed by backtesting which compares the VaR results from historical data against the actual daily profit and loss. Graphic representation of the backtesting results with additional explanation of backtesting excesses are reported to the GMRC. Backtesting excesses occur when trading losses exceed VaR. Senior management reviews and evaluates the results of these tests. In periods of market stress, the GMRC members communicate daily to discuss losses and VaR limit excesses. As a result of this process, the businesses may selectively reduce risk. Where economically feasible, positions are sold or macroeconomic hedges are executed to reduce the exposure.

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We use one VaR model that uses a historical simulation approach based on three years of historical data and an expected shortfall methodology equivalent to a 99 percent confidence level. Statistically, this means that losses will exceed VaR, on average, one out of 100 trading days, or two to three times each year. The number of actual backtesting excesses observed is dependent on current market performance relative to historic market volatility. Actual losses did not exceed daily trading VaR in the twelve months ended September 30, 2012 or September 30, 2011. The graph below shows daily trading-related revenue and VaR for the twelve months ended September 30, 2012.

Table 67 presents average, high and low daily trading VaR for the three months ended September 30, 2012, June 30, 2012 and September 30, 2011, as well as average daily trading VaR for the nine months ended September 30, 2012 and 2011.

Table 67
Trading Activities Market Risk VaR
(Dollars in millions)
Foreign exchange
Interest rate
Credit
Real estate/mortgage
Equities
Commodities
Portfolio diversification


Three Months Ended Three Months Ended
June 30, 2012
Three Months Ended
September 30, 2011
Nine Months Ended September 30 20122011

| Averag | $\underset{\text { get) }}{\underset{(1)}{\text { High }}}$ | Low <br> (1) | Averag | $\underset{(1)}{\mathrm{High}}$ | $\underset{(1)}{\text { Low }}$ | AverageHigh ${ }^{(1)}{ }_{(1)}^{\text {Low }}$ |  |  | AverageAverage |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| \$25.1 | \$34.3 | \$16.9 | \$19.8 | \$27.1 | \$15.1 | \$18.4 | \$31.0 | \$5.6 | \$21.3 | \$20.4 |
| 37.3 | 47.8 | 29.8 | 49.2 | 67.1 | 31.2 | 53.9 | 82.7 | 34.4 | 45.3 | 55.4 |
| 43.0 | 60.1 | 35.3 | 37.4 | 53.9 | 31.1 | 97.5 | 116.8 | 81.3 | 43.5 | 122.9 |
| 32.1 | 39.7 | 27.6 | 32.3 | 40.4 | 28.3 | 77.4 | 89.7 | 60.4 | 33.8 | 90.4 |
| 23.2 | 34.1 | 14.6 | 23.9 | 35.5 | 16.1 | 59.5 | 88.9 | 37.7 | 29.2 | 55.0 |
| 12.5 | 15.7 | 10.8 | 11.9 | 15.2 | 7.2 | 15.7 | 19.2 | 12.1 | 12.5 | 21.0 |
| (118.4) | - | - | (112.0) |  | - | (158.7 |  | - | (118.6) | (172.9 |


(1) The high and low for the total portfolio may not equal the sum of the individual components as the highs or lows of the individual portfolios may have occurred on different trading days.

The $\$ 8$ million decrease in average VaR during the three months ended September 30, 2012 was primarily due to risk reduction in the interest rate risk factor and a higher portfolio diversification benefit, partially offset by slight increases in credit and foreign exchange due to changes in the portfolio mix.

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Counterparty credit risk is an adjustment to the mark-to-market value of our derivative exposures to reflect the impact of the credit quality of counterparties on our derivative assets. Since counterparty credit exposure is not included in the VaR component of the regulatory capital allocation, we do not include it in our trading VaR, and it is therefore not included in the daily trading-related revenue illustrated in our histogram or used for backtesting.

## Trading Portfolio Stress Testing

Because the very nature of a VaR model suggests results can exceed our estimates, and is dependent on a limited lookback window, we also stress test our portfolio. Stress testing estimates the value change in our trading portfolio that may result from abnormal market movements. Various scenarios, categorized as either historical or hypothetical, are regularly run and reported for the overall trading portfolio and individual businesses. Historical scenarios simulate the impact of price changes that occurred during a set of extended historical market events. Generally, a 10-business-day window or longer, representing the most severe point during a crisis, is selected for each historical scenario. Hypothetical scenarios provide simulations of anticipated shocks from pre-defined market stress events. These stress events include shocks to underlying market risk variables which may be well beyond the shocks found in the historical data used to calculate VaR. As with the historical scenarios, the hypothetical scenarios are designed to represent a short-term market disruption. Scenarios are reviewed and updated as necessary in light of changing positions and new economic or political information. For example, we currently include stress tests that contemplate a full or partial break-up of the Eurozone. In addition to the value afforded by the results themselves, this information provides senior management with a clear picture of the trend of risk being taken given the relatively static nature of the shocks applied. Stress testing for the trading portfolio is also integrated with enterprise-wide stress testing and incorporated into the limits framework. A process is in place to promote consistency between the scenarios used for the trading portfolio and those used for enterprise-wide stress testing. The scenarios used for enterprise-wide stress testing purposes differ from the typical trading portfolio scenarios in that they have a longer time horizon and the results are forecasted over multiple periods for use in consolidated capital and liquidity planning. For additional information on enterprise-wide stress testing, see page 78 .

## Interest Rate Risk Management for Nontrading Activities

The following discussion presents net interest income excluding the impact of trading-related activities on net interest income.

Interest rate risk represents the most significant market risk exposure to our nontrading balance sheet. Interest rate risk is measured as the potential volatility in net interest income caused by changes in market interest rates. Client-facing activities, primarily lending and deposit-taking, create interest rate sensitive positions on our balance sheet.

We prepare forward-looking forecasts of net interest income. The baseline forecast takes into consideration expected future business growth, ALM positioning and the direction of interest rate movements as implied by the market-based forward curve. We then measure and evaluate the impact that alternative interest rate scenarios have on the baseline forecast in order to assess interest rate sensitivity under varied conditions. The net interest income forecast is frequently updated for changing assumptions and differing outlooks based on economic trends, market conditions and business strategies. Thus, we continually monitor our balance sheet position in an effort to maintain an acceptable level of exposure to interest rate changes.

The interest rate scenarios that we analyze incorporate balance sheet assumptions such as loan and deposit growth and pricing, changes in funding mix, product repricing and maturity characteristics, but do not include the impact of hedge ineffectiveness. Our overall goal is to manage interest rate risk so that movements in interest rates do not significantly adversely affect net interest income and capital.

The spot and 12-month forward monthly rates used in our baseline forecasts at September 30, 2012 and December 31, 2011 are presented in Table 68.

Table 68
Forward Rates

Spot rates
12-month forward rates
September 30, 2012

| Federal <br> Funds | Three-month 10-Year |  |  |  | Federal Funds |  | Three-month 10-Year |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | LIBO |  | Swap |  |  |  | LIBO |  | Sw |  |
| 0.25 | \% | 0.36 | \% | 1.70 | \% | 0.25 | \% | 0.58 | \% | 2.03 | \% |
| 0.25 |  | 0.35 |  | 1.99 |  | 0.25 |  | 0.75 |  | 2.2 |  |

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Table 69 shows the pre-tax dollar impact to forecasted net interest income over the next twelve months from September 30, 2012 and December 31, 2011, resulting from instantaneous parallel and non-parallel shocks to the market-based forward curve. Periodically we evaluate the scenarios presented to ensure that they provide a comprehensive view of our interest rate risk exposure and are meaningful in the context of the current rate environment. Given the potential volatility in long end rates and our sensitivity to those rates, we have replaced gradual shocks previously reported with instantaneous shocks. For further discussion of net interest income excluding the impact of trading-related activities, see page 25.

Table 69
Estimated Net Interest Income Excluding Trading-related Net Interest Income
(Dollars in millions)
Curve Change
Parallel shifts
+100 bps instantaneous parallel shift
-50 bps instantaneous parallel shift
Flatteners
Short end instantaneous change
Long end instantaneous change
Steepeners
Short end instantaneous change $\quad-50 \quad$ - $\quad$ ( 373 )
$\begin{array}{lllll}\text { Long end instantaneous change } & - & +100 & 1,961 & 1,935\end{array}$
$\left.\begin{array}{lllll}\begin{array}{llll}\text { Short Rate } \\ (\mathrm{bps})\end{array} & \begin{array}{l}\text { Long Rate } \\ (\mathrm{bps})\end{array} & \begin{array}{l}\text { September } 30 \\ 2012\end{array} & \begin{array}{l}\text { December 31 } \\ 2011\end{array} \\ +100 & +100 & \$ 3,318 & \begin{array}{l}\$ 2,883\end{array} & \\ -50 & -50 & (1,697 & ) & (1,795\end{array}\right)$

The sensitivity analysis in Table 69 assumes that we take no action in response to these rate shocks. Our net interest income was asset sensitive to a parallel move in interest rates at both September 30, 2012 and December 31, 2011. As part of our ALM activities, we use securities, residential mortgages, and interest rate and foreign exchange derivatives in managing interest rate sensitivity.

## Securities

The securities portfolio is an integral part of our ALM positioning and is primarily comprised of debt securities including MBS and to a lesser extent U.S. Treasury, corporate, municipal and other debt securities. At September 30, 2012 and December 31, 2011, we held AFS debt securities with a fair value of $\$ 305.9$ billion and $\$ 276.2$ billion. During the three months ended September 30, 2012 and 2011, we purchased AFS debt securities of $\$ 31.4$ billion and $\$ 18.2$ billion, sold $\$ 13.1$ billion and $\$ 26.2$ billion, and had maturities and received paydowns of $\$ 17.9$ billion and $\$ 12.5$ billion. We realized $\$ 339$ million and $\$ 737$ million in net gains on sales of debt securities during the three months ended September 30, 2012 and 2011. At September 30, 2012 and December 31, 2011, we held $\$ 39.9$ billion and $\$ 35.3$ billion of held-to-maturity debt securities.

During the nine months ended September 30, 2012 and 2011, we purchased AFS debt securities of $\$ 131.1$ billion and $\$ 78.0$ billion, sold $\$ 58.9$ billion and $\$ 66.2$ billion, and had maturities and received paydowns of $\$ 48.1$ billion and $\$ 41.2$ billion. We realized $\$ 1.5$ billion and $\$ 2.2$ billion in net gains on sales of debt securities during the nine months ended September 30, 2012 and 2011.

Accumulated OCI included after-tax net unrealized gains of $\$ 5.7$ billion and $\$ 4.3$ billion on AFS debt securities and $\$ 329$ million and $\$ 1.7$ billion on AFS marketable equity securities at September 30, 2012 and 2011. For additional information on accumulated OCI, see Note 12 - Accumulated Other Comprehensive Income (Loss) to the Consolidated Financial Statements. The amount of pre-tax net unrealized gains on AFS debt securities increased $\$ 3.2$ billion and $\$ 4.1$ billion during the three and nine months ended September 30, 2012 to $\$ 9.1$ billion primarily due to the impact of lower interest rates. For additional information on our securities portfolio, see Note 4 - Securities to the Consolidated

Financial Statements.
We recognized $\$ 6$ million and $\$ 52$ million of other-than-temporary impairment (OTTI) losses in earnings on AFS debt securities in the three and nine months ended September 30, 2012 compared to $\$ 85$ million and $\$ 218$ million for the same periods in the prior year. The recognition of OTTI losses is based on a variety of factors, including the length of time and extent to which the market value has been less than amortized cost, the financial condition of the issuer of the security including credit ratings and any specific events affecting the operations of the issuer, underlying assets that collateralize the debt security, other industry and macroeconomic conditions, and our intent and ability to hold the security to recovery.

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Residential Mortgage Portfolio
At September 30, 2012 and December 31, 2011, our residential mortgage portfolio was $\$ 247.3$ billion and $\$ 262.3$ billion which excluded $\$ 9.9$ billion and $\$ 11.1$ billion in the discontinued real estate loan portfolio and $\$ 1.2$ billion and $\$ 2.2$ billion of consumer loans accounted for under the fair value option. For more information on consumer fair value option loans, see Consumer Portfolio Credit Risk Management - Consumer Loans Accounted for Under the Fair Value Option on page 106. The $\$ 15.0$ billion decrease in the nine months ended September 30, 2012 was due to paydowns, charge-offs and transfers to foreclosed properties which more than offset new origination volume and repurchases of delinquent FHA loans pursuant to our servicing agreements with GNMA.

Three Months Ended September 30, 2012 Compared to Three Months Ended September 30, 2011
CRES and GWIM originated $\$ 8.9$ billion in first-lien mortgages that we retained, compared to $\$ 11.5$ billion in the prior-year period. Additionally, we repurchased $\$ 2.2$ billion of delinquent FHA loans pursuant to our servicing agreements with GNMA and received paydowns of $\$ 13.3$ billion compared to repurchases of $\$ 155$ million and paydowns of $\$ 9.5$ billion in the prior-year period. There were no purchases of residential mortgages related to ALM activities during either period. We sold $\$ 17$ million of residential mortgages compared to $\$ 18$ million in the prior-year period, all of which were originated residential mortgages. Gains recognized on the sales of residential mortgages in both periods were minimal.

Nine Months Ended September 30, 2012 Compared to Nine Months Ended September 30, 2011
CRES and GWIM originated $\$ 25.1$ billion in first-lien mortgages that we retained, compared to $\$ 35.3$ billion in the prior-year period. Additionally, we repurchased $\$ 4.5$ billion of delinquent FHA loans pursuant to our servicing agreements with GNMA and received paydowns of $\$ 37.7$ billion compared to repurchases of $\$ 7.7$ billion and paydowns of $\$ 29.9$ billion in the prior-year period. There were no purchases of residential mortgages related to ALM activities compared to $\$ 72$ million in the prior-year period. We sold $\$ 75$ million of residential mortgages compared to $\$ 91$ million in the prior-year period, all of which were originated residential mortgages. Gains recognized on the sales of residential mortgages in both periods were minimal.

Interest Rate and Foreign Exchange Derivative Contracts
Interest rate and foreign exchange derivative contracts are utilized in our ALM activities and serve as an efficient tool to manage our interest rate and foreign exchange risk. We use derivatives to hedge the variability in cash flows or changes in fair value on our balance sheet due to interest rate and foreign exchange components. For additional information on our hedging activities, see Note 3 - Derivatives to the Consolidated Financial Statements.

Our interest rate contracts are generally non-leveraged generic interest rate and foreign exchange basis swaps, options, futures and forwards. In addition, we use foreign exchange contracts, including cross-currency interest rate swaps, foreign currency forward contracts and options to mitigate the foreign exchange risk associated with foreign currency-denominated assets and liabilities.

Changes to the composition of our derivatives portfolio during the nine months ended September 30, 2012 reflect actions taken for interest rate and foreign exchange rate risk management. The decisions to reposition our derivatives portfolio are based upon the current assessment of economic and financial conditions including the interest rate and foreign currency environments, balance sheet composition and trends, and the relative mix of our cash and derivative positions.

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Table 70 presents derivatives utilized in our ALM activities including those designated as accounting and economic hedging instruments and shows the notional amount, fair value, weighted-average receive-fixed and pay-fixed rates, expected maturity and estimated duration of our open ALM derivatives at September 30, 2012 and December 31, 2011. These amounts do not include derivative hedges on our MSRs.

Table 70
Asset and Liability Management Interest Rate and Foreign Exchange Contracts

$$
\text { September 30, } 2012
$$

Expected Maturity


Futures and
forward rate 16
contracts

| $\substack{\text { Notional amount } \\ \text { (7) }}$ | 1,000 | 1,000 | - | - | - | - | - |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

Net ALM $\$ 10,323$
contracts
December 31, 2011
Expected Maturity
$\begin{array}{llllll}\text { Fair } & \text { Total } 2012 & 2013 & 2014 & 2015 & 2016\end{array}$
(Dollars in Value Estimated
millions, average
estimated duration
in years)
Receive-fixed
interest rate swaps \$ 13,989
(1,2)
$\begin{array}{lllllllllll}\text { Notional amount } & \$ 105,938 & \$ 22,422 & \$ 8,144 & \$ 7,604 & \$ 10,774 & \$ 11,660 & \$ 45,334 \\ \text { Weighted-average } & 4.09 & \% & 2.65 & \% & 3,70 & \% & 3.79 & \% & 4.01 & \% \\ & & & 3.96 & \% & 4.98 & \%\end{array}$
fixed-rate
Pay-fixed interest $(13,561)$
12.17
$\begin{array}{llllllll}\text { Notional amount } & \$ 77,985 & \$ 2,150 & \$ 1,496 & \$ 1,750 & \$ 15,026 & \$ 8,951 & \$ 48,612\end{array}$
$\begin{array}{lllllllllllllll}\text { Weighted-average } & 3.29 & \% & 1.45 & \% & 2.68 & \% & 1.80 & \% & 2.35 & \% & 3.13 & \% & 3.76 & \%\end{array}$
fixed-rate
basis swaps ${ }^{(3)}$
$\begin{array}{llllllll}\text { Notional amount } & \$ 222,641 & \$ 44,898 & \$ 83,248 & \$ 35,678 & \$ 14,134 & \$ 17,113 & \$ 27,570\end{array}$
Foreign exchange
basis swaps $(2,4,5)$
3,409

| Notional amount <br> Option products <br> (6) | 262,428 | 60,359 | 49,161 | 55,111 | 20,401 | 43,360 | 34,036 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Notional amount <br> (7) | 10,413 | 1,500 | 2,950 | 600 | 300 | 458 | 4,605 |

$\begin{aligned} & \text { Foreign exchange } \\ & \text { contracts }(2,5,8)\end{aligned} \quad 2,522$

| Notional amount | 52,328 | 20,470 | 3,556 | 10,165 | 2,071 | 2,603 | 13,463 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

Futures and
forward rate 153
contracts
Notional amount
(7)
$12,160 \quad 12,160$
Net ALM contracts
\$4,698
At September 30, 2012 and December 31, 2011, the receive-fixed interest rate swap notional amounts that represented forward starting swaps and which will not be effective until their respective contractual start dates totaled $\$ 2.2$ billion and $\$ 1.7$ billion. The forward starting pay-fixed swap positions at September 30, 2012 and December 31, 2011 were $\$ 520$ million and $\$ 8.8$ billion.
Does not include basis adjustments on either fixed-rate debt issued by the Corporation or AFS debt securities
${ }^{(2)}$ which are hedged using derivatives designated as fair value hedging instruments that substantially offset the fair values of these derivatives.
At September 30, 2012 and December 31, 2011, the notional amount of same-currency basis swaps consisted of
${ }^{(3)} \$ 208.2$ billion and $\$ 222.6$ billion in both foreign currency and U.S. dollar-denominated basis swaps in which both sides of the swap are in the same currency.
(4) Foreign exchange basis swaps consisted of cross-currency variable interest rate swaps used separately or in conjunction with receive-fixed interest rate swaps.
${ }_{\text {(5) }}$ Does not include foreign currency translation adjustments on certain non-U.S. debt issued by the Corporation that substantially offset the fair values of these derivatives.
(6)

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The notional amount of option products of $\$ 1.7$ billion at September 30, 2012 were comprised of $\$ 17$ million in purchased caps/floors, $\$ 1.0$ billion in swaptions and $\$ 663$ million in foreign exchange options. Option products of $\$ 10.4$ billion at December 31, 2011 were comprised of $\$ 30$ million in purchased caps/floors and $\$ 10.4$ billion in swaptions.
${ }^{(7)}$ Reflects the net of long and short positions.
The notional amount of foreign exchange contracts of $\$(13.3)$ billion at September 30, 2012 was comprised of $\$ 42.2$ billion in foreign currency-denominated and cross-currency receive-fixed swaps, $\$ 9.2$ billion in foreign currency-denominated pay-fixed swaps, and $\$(46.3)$ billion in net foreign currency forward rate contracts. Foreign exchange contracts of $\$ 52.3$ billion at December 31, 2011 were comprised of $\$ 40.6$ billion in foreign currency-denominated and cross-currency receive-fixed swaps, $\$ 647$ million in foreign currency-denominated pay-fixed swaps and $\$ 12.4$ billion in net foreign currency forward rate contracts.

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We use interest rate derivative instruments to hedge the variability in the cash flows of our assets and liabilities and other forecasted transactions (collectively referred to as cash flow hedges). The net losses on both open and terminated derivative instruments recorded in accumulated OCI, net-of-tax, were $\$ 3.3$ billion and $\$ 3.8$ billion at September 30, 2012 and December 31, 2011. These net losses are expected to be reclassified into earnings in the same period as the hedged cash flows affect earnings and will decrease income or increase expense on the respective hedged cash flows. Assuming no change in open cash flow derivative hedge positions and no changes in prices or interest rates beyond what is implied in forward yield curves at September 30, 2012, the pre-tax net losses are expected to be reclassified into earnings as follows: $\$ 1.2$ billion, or 23 percent, within the next year, 58 percent in years two through five, and 12 percent in years six through ten, with the remaining 7 percent thereafter. For more information on derivatives designated as cash flow hedges, see Note 3 - Derivatives to the Consolidated Financial Statements.

We hedge our net investment in non-U.S. operations determined to have functional currencies other than the U.S. dollar using forward foreign exchange contracts that typically settle in less than 180 days, cross-currency basis swaps, foreign exchange options and foreign currency-denominated debt. We recorded after-tax gains on derivatives and foreign currency-denominated debt in accumulated OCI associated with net investment hedges which were offset by losses on our net investments in consolidated non-U.S. entities at September 30, 2012.

## Mortgage Banking Risk Management

We originate, fund and service mortgage loans, which subject us to credit, liquidity and interest rate risks, among others. We determine whether loans will be HFI or held-for-sale at the time of commitment and manage credit and liquidity risks by selling or securitizing a portion of the loans we originate.

Interest rate risk and market risk can be substantial in the mortgage business. Fluctuations in interest rates drive consumer demand for new mortgages and the level of refinancing activity, which in turn, affects total origination and service fee income. Typically, a decline in mortgage interest rates will lead to an increase in mortgage originations and fees and a decrease in the value of the MSRs driven by higher prepayment expectations. Hedging the various sources of interest rate risk in mortgage banking is a complex process that requires complex modeling and ongoing monitoring. IRLCs and the related residential first mortgage LHFS are subject to interest rate risk between the date of the IRLC and the date the loans are sold to the secondary market. To hedge interest rate risk, we utilize forward loan sale commitments and other derivative instruments including purchased options. These instruments are used as economic hedges of IRLCs and residential first mortgage LHFS. At September 30, 2012 and December 31, 2011, the notional amounts of derivatives economically hedging the IRLCs and residential first mortgage LHFS were $\$ 46.3$ billion and $\$ 14.7$ billion.

MSRs are nonfinancial assets created when the underlying mortgage loan is sold to investors and we retain the right to service the loan. We use certain derivatives such as interest rate options, interest rate swaps, forward settlement contracts and Eurodollar futures, as well as MBS and U.S. Treasuries as economic hedges of MSRs. The notional amounts of the derivative contracts and principal value of other securities designated as economic hedges of MSRs were $\$ 2.7$ trillion and $\$ 31.6$ billion at September 30, 2012 and $\$ 2.6$ trillion and $\$ 46.3$ billion at December 31, 2011. For the three and nine months ended September 30, 2012, we recorded gains in mortgage banking income of \$920 million and $\$ 2.2$ billion related to the change in fair value of these economic hedges compared to gains of $\$ 4.3$ billion and $\$ 5.5$ billion for the same periods in the prior year. For additional information on MSRs, see Note 18 - Mortgage Servicing Rights to the Consolidated Financial Statements and for more information on mortgage banking income, see CRES on page 38.

## Compliance Risk Management

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Compliance risk is the risk of legal or regulatory sanctions, material financial loss or damage to the reputation of the Corporation arising from the failure to comply with requirements applicable to banking and financial services laws, rules and regulations. Compliance is at the core of the Corporation's culture and is a key component of risk management discipline.

The Global Compliance organization is responsible for driving a culture of compliance; establishing compliance program requirements and related policies; executing, monitoring and testing of business controls; performing risk assessments on the businesses' adherence to laws, rules and regulations as well as the effectiveness of business controls; overseeing remediation of compliance risks and issues executed by the businesses and supporting the identification, escalation and reporting of current, emerging and reputational compliance risk matters to senior management and the Board (or appropriate subcommittee). Global Compliance is also responsible for facilitating processes to effectively manage regulatory changes and maintain constructive relationships with regulators.

The Board provides oversight of compliance risks through its Audit Committee.

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Operational Risk Management
The Corporation defines operational risk as the risk of loss resulting from inadequate or failed internal processes, people and systems or from external events. Operational risk may occur anywhere in the Corporation, not solely in operations functions, and its effects may extend beyond financial losses. Operational risk includes legal risk. Successful operational risk management is particularly important to diversified financial services companies because of the nature, volume and complexity of the financial services business. Global banking guidelines and country-specific requirements for managing operational risk were established in Basel 2 which requires that the Corporation has internal operational risk management processes to assess and measure operational risk exposure and to set aside appropriate capital to address those exposures.

We approach operational risk management from two perspectives to manage operational risk within the structure of the Corporation: (1) at the enterprise level to provide independent, integrated management of operational risk across the organization, and (2) at the business and enterprise control function levels to address operational risk in revenue producing and non-revenue producing units. A sound internal governance structure enhances the effectiveness of the Corporation's Operational Risk Management Program and is accomplished at the enterprise level through formal oversight by the Board, the Chief Risk Officer and a variety of management committees and risk oversight groups aligned to the Corporation's overall risk governance framework and practices. Of these, the Compliance and Operational Risk Committee (CORC) oversees the Corporation's policies and processes for sound operational risk management. The CORC also serves as an escalation point for critical operational risk matters within the Corporation. The CORC reports operational risk activities to the Enterprise Risk Committee of the Board.

Within the Global Risk Management organization, the Corporate Operational Risk team develops and guides the strategies, policies, practices, controls and monitoring tools for assessing and managing operational risks across the organization and reports results to the businesses, enterprise control functions, senior management, governance committees and the Board.

The business and enterprise control functions are responsible for all the risks within their units, including operational risks. In addition to enterprise risk management tools such as loss reporting, scenario analysis, and risk and control self assessments, operational risk executives, working in conjunction with senior business executives, have developed key tools to help identify, measure, mitigate and monitor risk in each business and enterprise control function.

Our websites and, as reported in the media, the websites of other large financial institutions, have recently been subject to a series of distributed denial of service cyber security incidents. These incidents have not had a material impact upon Bank of America, nor have they resulted in unauthorized access to our or our customers' confidential, proprietary or other information. For more information about the risks associated with cyber security incidents, see Item 1A. Risk Factors of the Corporation's 2011 Annual Report on Form 10-K.

Independent review and challenge to the Corporation's overall operational risk management framework is performed by the Corporate Operational Risk Validation Team.

For more information on our operational risk management activities, see page 96 of the MD\&A of the Corporation's 2011 Annual Report on Form 10-K.

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## Complex Accounting Estimates

Our significant accounting principles, as described in Note 1 - Summary of Significant Accounting Principles to the Consolidated Financial Statements of the Corporation's 2011 Annual Report on Form 10-K, are essential in understanding the MD\&A. Many of our significant accounting principles require complex judgments to estimate the values of assets and liabilities. We have procedures and processes in place to facilitate making these judgments.

The more judgmental estimates impacting results for the nine months ended September 30, 2012 are summarized in the following discussion. We have identified and described the development of the variables most important in the estimation processes that involve mathematical models to derive the estimates. In many cases, there are numerous alternative judgments that could be used in the process of determining the inputs to the models. Where alternatives exist, we have used the factors that we believe represent the most reasonable value in developing the inputs. Actual performance that differs from our estimates of the key variables could impact our results of operations. Separate from the possible future impact to our results of operations from input and model variables, the value of our lending portfolio and market-sensitive assets and liabilities may change subsequent to the balance sheet date, often significantly, due to the nature and magnitude of future credit and market conditions. Such credit and market conditions may change quickly and in unforeseen ways and the resulting volatility could have a significant, negative effect on future operating results. These fluctuations would not be indicative of deficiencies in our models or inputs.

For additional information, see Complex Accounting Estimates on page 97 of the MD\&A of the Corporation's 2011 Annual Report on Form 10-K.

Level 3 Assets and Liabilities
Financial assets and liabilities whose values are based on valuation techniques that require inputs that are both unobservable and are significant to the overall fair value measurement are classified as Level 3 under the fair value hierarchy established in applicable accounting guidance. The Level 3 financial assets and liabilities include certain loans, MBS, ABS, CDOs and structured liabilities, as well as highly structured, complex or long-dated derivative contracts, private equity investments and consumer MSRs. The fair value of these Level 3 financial assets and liabilities is determined using pricing models, discounted cash flow methodologies or similar techniques for which the determination of fair value requires significant management judgment or estimation.

Table 71
Level 3 Asset and Liability Summary

|  | September 30, 2012 |  |  |  | December 31, 2011 |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| (Dollars in millions) | Level 3 <br> Fair Value | As a \% of Total Level 3 Assets |  | As a \% of Total Assets | Level 3 <br> Fair Value | As a \% of Total Level 3 Assets |  | As a \% of Total Assets |
| Trading account assets | \$9,955 | 24.97 \% | \% | 0.46 \% | \$11,455 | 22.21 | \% | 0.54 \% |
| Derivative assets | 9,983 | 25.04 |  | 0.46 | 14,366 | 27.85 |  | 0.67 |
| AFS debt securities | 6,299 | 15.80 |  | 0.29 | 8,012 | 15.53 |  | 0.38 |
| All other Level 3 assets at fair value | 13,631 | 34.19 |  | 0.63 | 17,744 | 34.41 |  | 0.83 |
| Total Level 3 assets at fair value ${ }^{(1)}$ | \$39,868 | 100.00 \% | \% | 1.84 \% | \$51,577 | 100.00 | \% | 2.42 \% |
|  | Level 3 <br> Fair Value | As a \% of Total Level 3 Liabilities |  | As a \% of Total Liabilities | Level 3 <br> Fair Value | As a \% of Total <br> Level 3 <br> Liabilities |  | As a \% of Total Liabilities |


| Derivative liabilities | $\$ 7,023$ | 72.26 | $\%$ | 0.36 | $\%$ | $\$ 8,500$ | 73.46 | $\%$ | 0.45 | $\%$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Long-term debt | 2,290 | 23.56 |  | 0.12 |  | 2,943 | 25.43 | 0.15 |  |  |
| All other Level 3 liabilities at fair value | 406 | 4.18 | 0.02 | 128 | 1.11 | 0.01 |  |  |  |  |
| Total Level 3 liabilities at fair value ${ }^{(1)}$ | $\$ 9,719$ | 100.00 | $\%$ | 0.50 | $\%$ | $\$ 11,571$ | 100.00 | $\%$ | 0.61 | $\%$ |
| (1) Level 3 total assets and liabilities are shown before the impact of counterparty netting related to our derivative |  |  |  |  |  |  |  |  |  |  |
| positions. |  |  |  |  |  |  |  |  |  |  |

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During the three and nine months ended September 30, 2012, we recognized net losses of $\$ 315$ million and $\$ 660$ million on Level 3 assets and liabilities. The net losses during the three months ended September 30, 2012 were primarily losses on MSRs and net derivative assets, partially offset by gains on trading account assets. Unrealized losses on MSRs were primarily due to the impact of the decline in interest rates on forecasted prepayments. Unrealized losses on net derivative assets were primarily due to tightening spreads on credit derivatives and in the RMBS indices, as well as mark-to-market movement in various equity instruments. Unrealized gains on trading account assets were primarily due to mark-to-market gains on collateralized loan obligation positions due to strong market conditions, as well as mark-to-market gains on secondary loan positions held in inventory. The net losses during the nine months ended September 30, 2012 were primarily losses on MSRs, partially offset by gains on trading account assets, as discussed above. There were net unrealized gains of $\$ 88$ million in accumulated OCI on Level 3 assets and liabilities at September 30, 2012. For additional information on the components of net realized and unrealized gains and losses during three and nine months ended September 30, 2012, see Note 15 - Fair Value Measurements to the Consolidated Financial Statements.

Level 3 financial instruments, such as our consumer MSRs, may be economically hedged with derivatives classified as Level 1 or 2; therefore, gains or losses associated with Level 3 financial instruments may be offset by gains or losses associated with financial instruments classified in other levels of the fair value hierarchy. The Level 3 gains and losses recorded in earnings did not have a significant impact on our liquidity or capital resources.

We conduct a review of our fair value hierarchy classifications on a quarterly basis. Transfers into or out of Level 3 are made if the significant inputs used in the financial models measuring the fair values of the assets and liabilities became unobservable or observable, respectively, in the current marketplace. These transfers are considered to be effective as of the beginning of the quarter in which they occur. For additional information on the significant transfers into and out of Level 3 during the three and nine months ended September 30, 2012, see Note 15 - Fair Value Measurements to the Consolidated Financial Statements.

Goodwill and Intangible Assets

## Background

The nature of and accounting for goodwill and intangible assets are discussed in Note 1 - Summary of Significant Accounting Principles and Note 10 - Goodwill and Intangible Assets to the Consolidated Financial Statements of the Corporation's 2011 Annual Report on Form 10-K as well as Complex Accounting Estimates on pages 97 through 103 of the MD\&A of the Corporation's 2011 Annual Report on Form 10-K. Goodwill is reviewed for potential impairment at the reporting unit level on an annual basis, which for the Corporation is performed as of June 30, and in interim periods if events or circumstances indicate a potential impairment. A reporting unit is an operating segment or one level below. As reporting units are determined after an acquisition or evolve with changes in business strategy, goodwill is assigned to reporting units and it no longer retains its association with a particular acquisition. All of the revenue streams and related activities of a reporting unit, whether acquired or organic, are available to support the value of the goodwill.

We use the reporting units' allocated equity as a proxy for the carrying amount of equity for each reporting unit in our goodwill impairment tests as we do not maintain a record of equity as defined under GAAP at the reporting unit level. Allocated equity includes economic capital, goodwill and a percentage of intangible assets allocated to the reporting units. The allocation of economic capital to the reporting units utilized for goodwill impairment testing has the same basis as the allocation of economic capital to our operating segments. Economic capital allocation plans are incorporated into the Corporation's financial plan which is approved by the Board on an annual basis. Allocated equity is updated on a quarterly basis.

## 2012 Annual Goodwill Impairment Testing

The Corporation's common stock price remained low during 2011 and 2012. During these periods, our market capitalization remained below our recorded book value. We estimate that the fair value of all reporting units with assigned goodwill in aggregate as of the June 30, 2012 annual goodwill impairment test was $\$ 219.5$ billion and the aggregate carrying value of all reporting units with assigned goodwill, as measured by allocated equity was $\$ 138.4$ billion. The common stock market capitalization of the Corporation as of June 30, 2012 was $\$ 88.2$ billion ( $\$ 95.2$ billion at September 30, 2012). During our 2012 annual goodwill impairment test we also evaluated the U.K. Card business within All Other which is included in the amounts above as the U.K. Card business comprises the majority of the goodwill included in All Other. As none of our reporting units are publicly traded, individual reporting unit fair value determinations do not directly correlate to the Corporation's stock price. Although we believe it is reasonable to conclude that market capitalization could be an indicator of fair value over time, we do not believe that our current market capitalization reflects the aggregate fair value of our individual reporting units.

Estimating the fair value of reporting units is a subjective process that involves the use of estimates and judgments, particularly related to cash flows, the appropriate discount rates and an applicable control premium. We determined the fair values of the reporting units using a combination of valuation techniques consistent with the market approach and the income approach and also utilized

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independent valuation specialists.
The market approach we used estimates the fair value of the individual reporting units by incorporating any combination of the tangible capital, book capital and earnings multiples from comparable publicly-traded companies in industries similar to that of the reporting unit. The relative weight assigned to these multiples varies among the reporting units based on qualitative and quantitative characteristics, primarily the size and relative profitability of the reporting unit as compared to the comparable publicly-traded companies. Since the fair values determined under the market approach are representative of a noncontrolling interest, we added a control premium to arrive at the reporting units' estimated fair values on a controlling basis.

For purposes of the income approach, we calculated discounted cash flows by taking the net present value of estimated future cash flows and an appropriate terminal value. Our discounted cash flow analysis employs a capital asset pricing model in estimating the discount rate (i.e., cost of equity financing) for each reporting unit. The inputs to this model include the risk-free rate of return, beta, which is a measure of the level of non-diversifiable risk associated with comparable companies for each specific reporting unit, market equity risk premium and in certain cases an unsystematic (company-specific) risk factor. The unsystematic risk factor is the input that specifically addresses uncertainty related to our projections of earnings and growth, including the uncertainty related to loss expectations. We utilized discount rates that we believe adequately reflect the risk and uncertainty in the financial markets generally and specifically in our internally developed forecasts. We estimated expected rates of equity returns based on historical market returns and risk/return rates for similar industries of each reporting unit. We use our internal forecasts to estimate future cash flows and actual results may differ from forecasted results.

During the three months ended September 30, 2012, we completed our annual goodwill impairment test as of June 30, 2012 for all of our reporting units which had goodwill. In performing the first step of the annual goodwill impairment analysis, we compared the fair value of each reporting unit to its estimated carrying value as measured by allocated equity, including goodwill. To determine fair value, we utilized a combination of the market approach and income approach. Under the market approach, we compared earnings and equity multiples of the individual reporting units to multiples of public companies comparable to the individual reporting units. The control premium used in the June 30, 2012 annual goodwill impairment was 35 percent for all reporting units. Under the income approach, we updated our assumptions to reflect the current market environment. The discount rates used in the June 30, 2012 annual goodwill impairment test ranged from 11 percent to 14 percent depending on the relative risk of a reporting unit. Growth rates developed by management for individual revenue and expense items in each reporting unit ranged from (0.2) percent to 7.2 percent. For certain revenue and expense items that have been significantly affected by the current economic environment, management developed separate long-term forecasts.

Based on the results of step one of the annual goodwill impairment test, we determined that step two was not required for any of the reporting units as their fair value exceeded their carrying value indicating there was no impairment.

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Table 72 shows goodwill assigned to the individual reporting units and the fair value as a percentage of the carrying value as of our June 30, 2012 annual goodwill impairment test.

Table 72
Goodwill by Reporting Unit
(Dollars in millions)

Consumer \& Business Banking
Deposits $\quad 131.8 \quad \% \quad \$ 17,875$
Card Services $134.5 \quad 10,014$
Business Banking $123.1 \quad 2,097$
Global Banking
$\begin{array}{lll}\text { Global Corporate and Investment Banking } & 190.7 & 6,231\end{array}$
$\begin{array}{lll}\text { Global Commercial Banking } & 133.0 & 18,571\end{array}$
$\begin{array}{ll}\text { Global Markets } & 207.6\end{array}$
Global Wealth \& Investment Management
U.S. Trust
142.3

3,051
Merrill Lynch Global Wealth Management
239.4

6,877
U.K. Card ${ }^{(1)}$
171.9

775
(1) Reflects the goodwill and estimated fair value as a percent of allocated carrying value assigned to the U.K. Card business within All Other. The total amount of goodwill in All Other was $\$ 810$ million at June 30, 2012.

In estimating the fair value of the reporting units in step one of the annual goodwill impairment analysis, the fair values can be sensitive to changes in the projected cash flows and assumptions. In some instances, minor changes in the assumptions could impact whether the fair value of a reporting unit is greater than its carrying value. Furthermore, a prolonged decrease or increase in a particular assumption would eventually lead to the fair value of a reporting unit being less than its carrying value. Also, to the extent step two of the annual goodwill impairment analysis is required, changes in the estimated fair values of the individual assets and liabilities may impact estimates of fair value for assets or liabilities and result in a different amount of implied goodwill, and ultimately the amount of goodwill impairment, if any.

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Representations and Warranties
The methodology used to estimate the liability for obligations under representations and warranties related to transfers of residential mortgage loans is a function of the representations and warranties given and considers a variety of factors. Depending upon the counterparty, these factors include actual defaults, estimated future defaults, historical loss experience, estimated home prices, other economic conditions, estimated probability that we will receive a repurchase request, including consideration of whether presentation thresholds will be met, number of payments made by the borrower prior to default and estimated probability that we will be required to repurchase a loan. It also considers other relevant facts and circumstances, such as bulk settlements and identity of the counterparty or type of counterparty, as appropriate. The estimate of the liability for obligations under representations and warranties is based upon currently available information, significant judgment, and a number of factors, including those set forth above, that are subject to change. Changes to any one of these factors could significantly impact the estimate of our liability.

The representations and warranties provision may vary significantly each period as the methodology used to estimate the expense continues to be refined based on the level and type of repurchase requests presented, defects identified, the latest experience gained on repurchase requests and other relevant facts and circumstances. The estimate of the liability for representations and warranties is sensitive to future defaults, loss severity and the net repurchase rate. An assumed simultaneous increase or decrease of 10 percent in estimated future defaults, loss severity and the net repurchase rate would result in an increase of approximately $\$ 1.5$ billion or decrease of approximately $\$ 1.2$ billion in the representations and warranties liability as of September 30, 2012. These sensitivities are hypothetical and are intended to provide an indication of the impact of a significant change in these key assumptions on the representations and warranties liability. In reality, changes in one assumption may result in changes in other assumptions, which may or may not counteract the sensitivity.

For additional information on representations and warranties exposure and the corresponding range of possible loss, see Off-Balance Sheet Arrangements and Contractual Obligations - Representations and Warranties on page 58, as well as Note 8 - Representations and Warranties Obligations and Corporate Guarantees to the Consolidated Financial Statements herein and Note 14 - Commitments and Contingencies to the Consolidated Financial Statements of the Corporation's 2011 Annual Report on Form 10-K.

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## Glossary

Alt-A Mortgage - A type of U.S. mortgage that, for various reasons, is considered riskier than A-paper, or "prime," and less risky than "subprime," the riskiest category. Alt-A interest rates, which are determined by credit risk, therefore tend to be between those of prime and subprime home loans. Typically, Alt-A mortgages are characterized by borrowers with less than full documentation, lower credit scores and higher LTVs.
Assets in Custody - Consist largely of custodial and non-discretionary trust assets excluding brokerage assets administered for clients. Trust assets encompass a broad range of asset types including real estate, private company ownership interest, personal property and investments.
Assets Under Management (AUM) - The total market value of assets under the investment advisory and discretion of GWIM which generate asset management fees based on a percentage of the assets' market values. AUM reflects assets that are generally managed for institutional, high net-worth and retail clients, and are distributed through various investment products including mutual funds, other commingled vehicles and separate accounts.
Carrying Value (with respect to loans) - The amount at which a loan is recorded on the balance sheet. For loans recorded at amortized cost, carrying value is the unpaid principal balance net of unamortized deferred loan origination fees and costs, and unamortized purchase premium or discount. For loans that are or have been on nonaccrual status, the carrying value is also reduced by any net charge-offs that have been recorded and the amount of interest payments applied as a reduction of principal under the cost recovery method. For PCI loans, the carrying value equals fair value upon acquisition adjusted for subsequent cash collections and yield accreted to date. For credit card loans, the carrying value also includes interest that has been billed to the customer. For loans classified as held-for-sale, carrying value is the lower of carrying value as described in the sentences above, or fair value. For loans for which we have elected the fair value option, the carrying value is fair value.
Client Brokerage Assets - Include client assets which are held in brokerage accounts. This includes non-discretionary brokerage and fee-based assets which generate brokerage income and asset management fee revenue.
Committed Credit Exposure - Includes any funded portion of a facility plus the unfunded portion of a facility on which the lender is legally bound to advance funds during a specified period under prescribed conditions.
Credit Derivatives - Contractual agreements that provide protection against a credit event on one or more referenced obligations. The nature of a credit event is established by the protection purchaser and protection seller at the inception of the transaction, and such events generally include bankruptcy or insolvency of the referenced credit entity, failure to meet payment obligations when due, as well as acceleration of indebtedness and payment repudiation or moratorium. The purchaser of the credit derivative pays a periodic fee in return for a payment by the protection seller upon the occurrence, if any, of such a credit event. A credit default swap is a type of a credit derivative. Credit Valuation Adjustment (CVA) - A portfolio adjustment required to properly reflect the counterparty credit risk exposure as part of the fair value of derivative instruments.
Debit Valuation Adjustment (DVA) - A portfolio adjustment required to properly reflect the Corporation's own credit risk exposure as part of the fair value of derivative instruments.
Interest Rate Lock Commitment (IRLC) - Commitment with a loan applicant in which the loan terms, including interest rate and price, are guaranteed for a designated period of time subject to credit approval.
Letter of Credit - A document issued on behalf of a customer to a third party promising to pay the third party upon presentation of specified documents. A letter of credit effectively substitutes the issuer's credit for that of the customer.
Loan-to-value (LTV) - A commonly used credit quality metric that is reported in terms of ending and average LTV. Ending LTV is calculated as the outstanding carrying value of the loan at the end of the period divided by the estimated value of the property securing the loan. Estimated property values are primarily determined by utilizing the Case-Schiller Home Index, a widely used index based on data from repeat sales of single family homes. Case-Schiller indices are updated quarterly and are reported on a three-month or one-quarter lag. An additional metric related to LTV is combined loan-to-value (CLTV) which is similar to the LTV metric, yet combines the outstanding balance on the residential mortgage loan and the outstanding carrying value on the home equity loan or available line of credit, both of which are secured by the same property, divided by the estimated value of the property. A LTV of 100 percent reflects a loan that is currently secured by a property valued at an amount exactly equal to the carrying value or
available line of the loan. Under certain circumstances, estimated values can also be determined by utilizing an automated valuation method (AVM) or Mortgage Risk

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Assessment Corporation (MRAC) index. An AVM is a tool that estimates the value of a property by reference to large volumes of market data including sales of comparable properties and price trends specific to the MSA in which the property being valued is located. The MRAC index is similar to the Case-Schiller Home Index in that it is an index that is based on data from repeat sales of single family homes and is reported on a lag.
Margin Receivables - An extension of credit secured by eligible securities in certain brokerage accounts.
Matched Book - Repurchase and resale agreements and securities borrowed and loaned transactions entered into to accommodate customers and earn interest rate spreads.
Mortgage Servicing Right (MSR) - The right to service a mortgage loan when the underlying loan is sold or securitized. Servicing includes collections for principal, interest and escrow payments from borrowers and accounting for and remitting principal and interest payments to investors.
Net Interest Yield - Net interest income divided by average total interest-earning assets.
Nonperforming Loans and Leases - Includes loans and leases that have been placed on nonaccrual status, including nonaccruing loans whose contractual terms have been restructured in a manner that grants a concession to a borrower experiencing financial difficulties (TDRs). Loans accounted for under the fair value option, PCI loans and LHFS are not reported as nonperforming loans and leases. Consumer credit card loans, business card loans, consumer loans not secured by real estate, and consumer loans secured by real estate, which include loans insured by the FHA and individually insured long-term credit protection agreements with FNMA and FHLMC (fully-insured loan portfolio), are not placed on nonaccrual status and are, therefore, not reported as nonperforming loans and leases.
Purchased Credit-impaired (PCI) Loan - A loan purchased as an individual loan, in a portfolio of loans or in a business combination with evidence of deterioration in credit quality since origination for which it is probable, upon acquisition, that the investor will be unable to collect all contractually required payments. These loans are recorded at fair value upon acquisition.
Subprime Loans - Although a standard industry definition for subprime loans (including subprime mortgage loans) does not exist, the Corporation defines subprime loans as specific product offerings for higher risk borrowers, including individuals with one or a combination of high credit risk factors, such as low FICO scores, high debt to income ratios and inferior payment history.
Super Senior CDO Exposure - Represents the most senior class of commercial paper or notes that are issued by CDO vehicles. These financial instruments benefit from the subordination of all other securities, including AAA-rated securities, issued by CDO vehicles.
Tier 1 Common Capital - Tier 1 capital less preferred stock, qualifying trust preferred securities, hybrid securities and qualifying noncontrolling interest in subsidiaries.
Troubled Debt Restructurings (TDRs) - Loans whose contractual terms have been restructured in a manner that grants a concession to a borrower experiencing financial difficulties. Certain consumer loans for which a binding offer to restructure has been extended are also classified as TDRs. Concessions could include a reduction in the interest rate to a rate that is below market on the loan, payment extensions, forgiveness of principal, forbearance, loans discharged in bankruptcy or other actions intended to maximize collection. TDRs are generally reported as nonperforming loans and leases while on nonaccrual status. Nonperforming TDRs may be returned to accrual status when, among other criteria, payment in full of all amounts due under the restructured terms is expected and the borrower has demonstrated a sustained period of repayment performance, typically six months. TDRs that are on accrual status are reported as performing TDRs through the end of the calendar year in which the restructuring occurred or the year in which they are returned to accrual status. In addition, if accruing TDRs bear less than a market rate of interest at the time of modification, they are reported as performing TDRs throughout their remaining lives unless and until they cease to perform in accordance with their modified contractual terms, at which time they would be placed on nonaccrual status and reported as nonperforming TDRs.
Value-at-Risk (VaR) - VaR is a model that simulates the value of a portfolio under a range of hypothetical scenarios in order to generate a distribution of potential gains and losses. VaR represents the loss the portfolio is expected to experience with a given confidence level based on historical data. A VaR model is an effective tool in estimating ranges of potential gains and losses on our trading portfolios.

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Acronyms

| ABS | Asset-backed securities |
| :--- | :--- |
| AFS | Available-for-sale |
| ALM | Asset and liability management |
| ALMRC | Asset Liability Market Risk Committee |
| ARM | Adjustable-rate mortgage |
| CDO | Collateralized debt obligation |
| CLO | Collateralized loan obligation |
| CMBS | Commercial mortgage-backed securities |
| CORC | Compliance and Operational Risk Committee |
| CRA | Community Reinvestment Act |
| CRC | Credit Risk Committee |
| EAD | Exposure at default |
| EU | European Union |
| FDIC | Federal Deposit Insurance Corporation |
| FFIEC | Federal Financial Institutions Examination Council |
| FHA | Federal Housing Administration |
| FHLMC | Freddie Mac |
| FICC | Fixed income, currencies and commodities |
| FICO | Fair Isaac Corporation (credit score) |
| FNMA | Fannie Mae |
| FTE | Fully taxable-equivalent |
| GAAP | Accounting principles generally accepted in the United States of America |
| GNMA | Government National Mortgage Association |
| GMRC | Global Markets Risk Committee |
| GSE | Government-sponsored enterprise |
| HFI | Held-for-investment |
| HUD | U.S. Department of Housing and Urban Development |
| LCR | Liquidity Coverage Ratio |
| LGD | Loss given default |
| LHFS | Loans held-for-sale |
| LIBOR | London InterBank Offered Rate |
| MBS | Mortgage-backed securities |
| MD\&A | Management's Discussion and Analysis of Financial Condition and Results of Operations |
| MI | Mortgage insurance |
| MSA | Metropolitan statistical area |
| NSFR | Net Stable Funding Ratio |
| OCC | Office of the Comptroller of the Currency |
| OCI | Other comprehensive income |
| OTC | Over-the-counter |
| OTTI | Other-than-temporary impairment |
| PPI | Payment protection insurance |
| RMBS | Residential mortgage-backed securities |
| ROTE | Return on average tangible shareholders' equity |
| SBLCs | Standby letters of credit |
| SEC | Securities and Exchange Commission |
| VA | U.S. Department of Veterans Affairs |

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## Item 3. QUANTITATIVE AND QUALITATIVE DISCLOSURES ABOUT MARKET RISK

See Market Risk Management on page 135 in the MD\&A and the sections referenced therein for Quantitative and Qualitative Disclosures about Market Risk.

## Item 4. CONTROLS AND PROCEDURES

Evaluation of Disclosure Controls and Procedures
As of the end of the period covered by this report and pursuant to Rule 13a-15(b) of the Securities Exchange Act of 1934 (Exchange Act), the Corporation's management, including the Chief Executive Officer and Chief Financial Officer, conducted an evaluation of the effectiveness and design of the Corporation's disclosure controls and procedures (as that term is defined in Rule 13a-15(e) of the Exchange Act). Based upon that evaluation, the Corporation's Chief Executive Officer and Chief Financial Officer concluded that the Corporation's disclosure controls and procedures were effective, as of the end of the period covered by this report, in recording, processing, summarizing and reporting information required to be disclosed by the Corporation in reports that it files or submits under the Exchange Act, within the time periods specified in the Securities and Exchange Commission's rules and forms.

Changes in Internal Controls
There have been no changes in the Corporation's internal control over financial reporting (as defined in Rule 13a-15(f) of the Exchange Act) during the three months ended September 30, 2012 that have materially affected or are reasonably likely to materially affect the Corporation's internal control over financial reporting.

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Part I. FINANCIAL INFORMATION
Item 1. FINANCIAL STATEMENTS
Bank of America Corporation and Subsidiaries
Consolidated Statement of Income

|  | Three Months Ended <br> September 30 |  | Nine Months Ended <br> September 30 |  |
| :--- | :--- | :--- | :--- | :--- |
| (Dollars in millions, except per share information) | 2012 | 2011 | 2012 | 2011 |
| Interest income | $\$ 9,597$ | $\$ 11,205$ | $\$ 29,514$ | $\$ 34,454$ |
| Loans and leases | 2,031 | 1,729 | 6,658 | 7,286 |
| Debt securities | 353 | 584 | 1,173 | 1,698 |
| Federal funds sold and securities borrowed or purchased under |  |  | 1,500 | 3,787 |
| agreements to resell | 1,189 | 1,50 | 4,664 |  |
| Trading account assets | 806 | 835 | 2,297 | 2,721 |
| Other interest income | 13,976 | 15,853 |  |  |
| Total interest income |  |  |  |  |


[^0]:    (1) 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.

