# Comparison of Fannie Mae Benchmark Notes to Investment Grade Corporate Bonds over the Past Year 

## August - September 2009

Fannie Mae
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its Benchmark
Notes program
as investors
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portfolios.

[^0]Given that it has been over a year since Fannie Mae entered into conservatorship, in this edition of FundingNotes, we discuss the performance of Fannie Mae Benchmark Notes® over the past 12 months and compare that performance to that of unsecured high grade corporate bonds. In addition, we also discuss Fannie Mae's Benchmark Notes issuance and technical trends; review unique aspects of Fannie Mae debt securities such as the ability of the System Open Market Account (SOMA) to use Federal agency debt in open market transactions; and compare how Fannie Mae debt performed relative to investment grade corporates. Lastly, we discuss recent changes in the relationship of Fannie Mae Benchmark Notes to both asset swap rates and Treasury rates.

## Issuance Trends in Benchmark Notes and Investment Grade Corporate Bonds

Fannie Mae continues to experience strong participation in its Benchmark Notes program as investors seek securities with high credit quality to add to their investment portfolios. Fannie Mae tends to issue its Benchmark Notes in large sizes of $\$ 3$ to $\$ 5$ billion. In part, because of the large new issue sizes, these Benchmark Notes experience relatively tight bid/ask spreads and maintain a relatively stable trading volume. These features provide potential liquidity advantages over high grade corporate debt. Fannie Mae has issued $\$ 61$ billion $^{1}$ in Benchmark Notes during the first nine months of 2009, with terms ranging from two- to five-years. This nine-month total amount issued in 2009 was almost double that of the total Benchmark Notes issuance in 2007 and an increase of approximately 20 percent from the total Benchmark Notes issuance in 2008.
Investment grade corporate bonds have also attracted more investors over the course of 2009, which has been facilitated by the fact that approximately seventy-five percent of the second quarter 2009 corporate earnings surpassed expectations. Towards the end of 2008, corporations largely halted their issuance of debt due to extreme economic uncertainty and volatility as well as illiquidity in the credit markets. By comparison, we saw an increase in unsecured high grade bond issuance in the first half of 2009 of $\$ 303$ billion from the second half of 2008 of $\$ 134$ billion.

## Trends in Benchmark Notes Issuance

Year-to-date through September 30, 2009, due to the improved demand for our debt securities, Fannie Mae's Benchmark Notes spreads have recovered rather quickly while corporates have been slower to rebound. Fannie Mae continues to issue Benchmark Notes on a relatively consistent basis, with an average of $\$ 3$ to $\$ 5$ billion size per issue with

[^1]announcements on scheduled calendar dates. In addition, the Fed's continued purchases of off-the-run Benchmark Notes in different maturity sectors have helped the agency debt market. Furthermore, the Fed announced that it would begin purchasing on-the-run issues as well in late August 2009. Although we plan to consistently issue Benchmark Notes, from time to time, we may elect not to issue any Benchmark Notes due to reduced needs for debt funding and our ability to issue other instruments such as callable mediumterm notes at optimal funding levels.

## Liquidity in Benchmark Notes

The bid/ask spread for Benchmark Notes has consistently been at around two basis points over the past two years, reaching a wide of four basis points a year ago for a temporary period of time when there was widespread tumult in the credit markets. However, it reverted to two basis points by mid-2009. According to SIMFA's U.S. Bond Market Trading Volume ${ }^{2}$, federal agency securities have always had a substantially higher average daily trading volume in the domestic bond market when compared to high grade corporate debt.

## Open Market Operations Using Agency Debt

The Federal Reserve via the New York Fed performs temporary and permanent open market operations to employ monetary policy by adding or draining reserves available to the banking system. With the
buying and selling of government securities, including agency debt and mortgage-backed securities, in the permanent open market operations, the total level of balances available in the banking system is affected, which impacts the federal funds rate. Agency securities are one of the types of securities that can be used in open market operations. As of September 9, 2009, Fannie Mae debt securities accounted for close to 41 percent of the federal agency securities cohort that comprise the System Open Market Account (SOMA).

## Investor Segment Activity in Benchmark Notes

Investors may have more latitude and fewer restrictions with regard to investing in agency debt securities than in corporate debt due to the agency status and high credit quality of Fannie Mae debt securities. The demand for Fannie Mae Benchmark Notes has emanated from a broad and diverse group of domestic and international investors. The year-to-date 2009 Benchmark Notes distribution report, as shown in Exhibit 1, illustrates continued strong demand for our Benchmark Notes from domestic investors. Distribution of new issue Benchmark Notes to domestic institutional investors increased from approximately 45 percent of total distribution in 2007 to approximately 75 percent year-to-date September 2009. During this time period, our dollar volume of issuance also increased from $\$ 32$ billion in 2007 to $\$ 61$ billion in the first nine months of 2009.


[^2]Market observers have noted that in the fourth quarter of 2008 and first quarter of 2009, mutual funds moved a large proportion of their assets into government and agency bonds, reflecting a desire to move into less risky assets. In accordance with the Investment Company Act of 1940, Fannie Mae debt securities are classified as "government securities" that are not subject to diversification requirements applicable to money market funds or other mutual funds. Holdings of corporate debt by such funds generally would be subject to diversification requirements. Similarly, we saw an increase of investments in Fannie Mae Benchmark Notes from commercial banks and other depository institutions (Exhibit 1). Agency debt held by commercial banks and thrift institutions increased from $\$ 174$ billion at the end of 2008 to $\$ 196.4$ billion at the end of the second quarter of 2009. U.S. banking regulators continue to give Fannie Mae debt securities a 20 percent risk weighting for risk-based capital purposes. This compares to a range of different risk weightings of 20 percent to 100 percent that applies to investment grade corporate bonds ${ }^{3}$
(See Table 1 and 2).

| Long-Term Rating Category |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Risk Weight | Moody's | S\&P | Fitch |
| Highest or second highest investment grade | 20\% | Aaa, Aa | AAA,AA | AAA,AA |
| Third highest investment grade | 50\% | A | A | A |
| Lowest investment grade | 100\% | Baa | BBB | BBB |
| One category below investment grade | 200\% | Ba | BB | BB |


| Short-Term Rating Category |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Risk Weight | Moody's | S\&P | Fitch |
| Highest investment grade | 20\% | P-1 | A-1 | A1 |
| Second highest investment grade | 50\% | P-2 | A-2 | A2 |
| Lowest investment grade | 100\% | P-3 | A-3 | A3 |

## Credit Ratings

Investors are often attracted to the high credit quality of Fannie Mae noncallable Benchmark Notes along with their liquidity characteristics. These securities have consistently continued to be rated triple-A by the leading credit rating agencies, Standard \& Poor's, Moody's and Fitch (Exhibit 2), even during the most tumultuous times in the credit markets of the past year, while maintaining a stable outlook. Conversely, corporate downgrades dominated in 2008 and continued well into 2009. According to a Fitch report, over

| Fannie Mae Debt Ratings |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  | Moody's | S\&P | Fitch |
| Long Term | Senior Debt | Aaa, | AAA | AAA |
| Short Term | Senior Debt | P-1 | A-1+ | F1+ |
| Outlook: <br> - Moody's <br> - S\&P <br> - Fitch | Stable (for a <br> Stable (for L <br> Stable (for A | or Debt) Term Issue | ult Rat |  |

the course of 2008, the share of the overall corporate bond market rated 'AAA' or 'AA' contracted to 23.1 percent from 31.4 percent at the end of 2007. Even though the downgrades tapered off over the first six months of 2009, the percentage of corporate bond downgraded remained elevated at approximately 20 percent.

## Spread Analyses: Benchmark Notes vs. Investment Corporates (based on their relationships to swap rates and U.S. Treasury rates)

As the market underwent unprecedented disruptions beginning with the failure of two Bear Stearns hedge funds in the late summer of 2007 and continued through the end of 2008, credit spreads widened dramatically while Fannie Mae Benchmark Notes spreads moved within a more narrow range than high grade corporate bonds. As the market instability intensified with the collapse of Bear Stearns in March of 2008, Fannie Mae Benchmark Notes experienced spread widening (Exhibit 3). However, the spreads


[^3]
## Fannie Mae Five-Year On-the-Run Benchmark Notes vs. Aa-Rated Corporates (Asset Swap Spreads)



Source: Barclays Capital (As of September 30, 2009)
tightened immediately after conservatorship was instituted in early September 2008. Then again, in the months following Lehman Brother's bankruptcy in late September 2008, spreads widened and reached their widest levels in November 2008. Benchmark Notes spreads to LIBOR continued to stay relatively wide in the first few months of 2009 but have gradually compressed to a more stable sub-LIBOR level range.

We compare two- and five-year on-the-run Benchmark Notes versus comparable maturity Aarated corporate bonds spreads to LIBOR over the past three years, as illustrated in Exhibit 4 and 5. Specifically, Exhibit 4 illustrates the spread comparison between Fannie Mae five-year Benchmark Notes versus five-year Aa-rated corporates on an asset swap basis. In early 2007, Benchmark Notes and investment grade corporates were trading in line with each other at a consistent spread differential basis. However, in late summer 2007, corporates began to widen. The corporate widening relative to Benchmark Notes accelerated in 2008, with investment grade spreads reaching an all-time wide of nearly LIBOR + 450 basis points in December 2008. Since the start of the year, investment grade spreads have experienced a strong rally but have not retraced back to pre-crisis levels. A similar trend can be seen in Exhibit 5 which compares Fannie Mae two-year Benchmark Notes versus two-year AA-rated corporates on an asset swap basis.


Source: Barclays Capital (As of September 30, 2009)

In addition, we compare two- and five-year on-therun Benchmark Notes versus comparable maturity Aa-rated corporate bonds spreads to Treasuries for the past three years, as shown in Exhibit 6 and 7. A similar trend can be observed in both exhibits. Both Benchmark Notes and corporates were trading parallel to each other on a consistent spread differential basis in 2007. However, in 2008, the magnitude of spread widening for investment grade corporate debt securities was much greater than for Benchmark Notes. Exhibit 6 illustrates that the two-year Benchmark Notes spread to Treasury reached 185 basis points in October 2008 and the two-year Aarated corporate spread to Treasury reached over 500 basis points. While Benchmark Notes spreads have narrowed since the beginning of 2009 and have been trading close to pre-crisis levels, investment grade corporate spreads to Treasuries have narrowed but are still trading slightly wider to pre-crisis levels.

## Fannie Mae Two-Year On-the-Run Benchmark Notes vs. Aa-Rated Corporates (Treasury Spreads)



Source: Barclays Capital (As of September 30, 2009)

## Technical Trends in Benchmark Notes

Over the past seven years, Fannie Mae Benchmark Notes spreads generally have been closely correlated to both Treasury and swap rates. However, recently, the correlation between Fannie Mae debt rates and Treasury rates has become more closely related vis-à-vis swaps, as shown in Exhibit 8.
Prior to the dislocation in the credit markets, which began in the late summer of 2007, the correlations between Fannie Mae five-year debt securities versus swaps and Treasuries were above 95 percent, with the correlation versus swaps close to 100 percent at certain points. From late summer of 2007 to March 2008, while the correlation between the Fannie Mae five-year debt rates versus Treasury rates declined to below 90 percent, the correlation versus swaps remained above 95 percent. Since March 2008, correlations versus both swaps and Treasuries were both trending downward to below 80 percent. The correlation of Fannie Mae Benchmark Notes versus swaps remained higher than the correlation of Fannie Mae Benchmark Notes versus Treasuries. Since April 2009, the Fannie Mae five-year debt rate has become more closely correlated with Treasuries. However, starting in late July, the correlations of Fannie Mae's five-year debt rate versus both swaps and Treasuries have again approached 95 percent.


Source: Barclays Capital (As of September 30, 2009)


## Conclusion

The market disruption that started in the late summer of 2007 caused credit spreads to widen dramatically, while agency spreads generally stayed within a range. From January 2008 to September 2008, both agency and corporate debt experienced severe spread widening driven by market volatility. However, when Fannie Mae was placed under conservatorship in September 2008, agency spreads began to recover, while corporates struggled to retrace as quickly as agencies. From October 2008 to mid November 2008, Fannie Mae debt spreads once again widened but started to tighten again in midNovember and have continued to improve since then. Throughout this volatile market environment, Fannie

Mae Benchmark Notes have continued to provide investors with relatively tight bid/ask spreads and positive liquidity attributes. Even as investment grade corporates rallied in the second quarter of 2009, their asset swap and Treasury spreads have yet to return to pre-crisis levels. Benchmark Notes asset swap and Treasury spreads, however, have returned to pre-crisis levels. Furthermore, in recent months, Fannie Mae's Benchmark Notes rates have been more closely correlated to Treasury rates. Investors seeking high credit quality securities with attractive bid/ask spreads, strong liquidity, and high correlation to Treasury rates may find it worthwhile to consider Fannie Mae Benchmark Notes in their investment strategies.

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#### Abstract

                common stock. Refer to our Current Report on Form 8-K filed with the SEC on September 11, 2008 for additional information.


Fannie Mae Funding Liabilities and Debt Outstanding 2006 through July 31, 2009

| Funding Liabilities and Debt Outstanding (in millions) | 12/31/06 |  | 12/31/07 |  | 12/31/08 |  | 7/31/09 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Federal Fund Borrowings | \$ | 700 | \$ | - | \$ | - | \$ | - |
| Other Short Term Funding Liabilities ${ }^{1}$ |  | - |  | 869 |  | 77 |  |  |
| Total Federal Funds Purchased and Securities Sold under Agreements to Repurchase | \$ | 700 | \$ | 869 | \$ | 77 | \$ |  |
| Average maturity (in days) |  | 1 |  | 1 |  |  |  |  |
| Discount Notes ${ }^{13}$ | \$ | 83,893 | \$ | 155,358 | \$ | 272,476 | \$ | 235,377 |
| FX Discount Notes |  | 1,917 |  | 859 |  | 402 |  | 400 |
| Other Short Term Debt ${ }^{2}$ |  | 5,613 |  | 50 |  | 7,661 |  | 3,090 |
| Total Short Term Debt ${ }^{3}$ | \$ | 167,923 | \$ | 236,267 | \$ | 332,542 | \$ | 238,867 |
| Average maturity (in days) |  | 81 |  | 74 |  | 102 |  | 101 |
| Benchmark Notes \& Bonds ${ }^{4}$ | \$ | 277,706 | \$ | 256,823 | \$ | 251,315 | \$ | 277,696 |
| Callable Benchmark Notes ${ }^{4}$ |  | - |  |  |  | - |  | - |
| Subordinated Benchmark Notes |  | 11,000 |  | 9,000 |  | 7,398 |  | 7,398 |
| Callable Fixed Rate MTNs ${ }^{5,6}$ |  | 192,374 |  | 207,504 |  | 190,950 |  | 187,833 |
| Noncallable Fixed Rate MTNs ${ }^{5,6}$ |  | 114,242 |  | 77,331 |  | 50,131 |  | 45,495 |
| Callable Floating Rate MTNs ${ }^{\text {, } 6}$ |  | 831 |  | 8,135 |  | 1,530 |  | 4,296 |
| Noncallable Floating Rate MTNs ${ }^{5,6}$ |  | 5,470 |  | 5,761 |  | 45,470 |  | 57,775 |
| Other LongTerm Debt ${ }^{7}$ |  | 4,138 |  | 4,580 |  | 3,763 |  | 3,425 |
| Total Long Term Debt ${ }^{8,9}$ | \$ | 605,761 | \$ | 569,134 | \$ | 550,557 | \$ | 583,918 |
| Average maturity (in months) |  | 57 |  | 68 |  | 66 |  | 60 |
| Agreements to Repurchase and Debt Outstanding | \$ | 774,384 | \$ | 806,270 | \$ | 883,176 | \$ | 822,785 |
| Average maturity (in months) |  | 45 |  | 48 |  | 42 |  | 44 |

Fannie Mae Funding Liabilities and Debt Issuance 2006 through July 31, 2009

| Funding Liabilities and Debt Issuance (in millions) |  | 2006 |  | 2007 |  | 2008 |  | 2009 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Federal Fund Borrowings | \$ | 58,186 | \$ | 13,065 | \$ | 5,617 | \$ | - |
| Other Short Term Funding Liabilities ${ }^{1}$ |  | 172,493 |  | 25,324 |  | 60,888 |  | 3,694 |
| Total Federal Funds Purchased and Securities Sold under Agreements to Repurchase | \$ | 230,679 | \$ | 38,389 | \$ | 66,505 | \$ | 3,694 |
| Discount Notes | \$ | 2,030,188 | \$ | 1,499,540 | \$ | 1,547,462 | \$ | 828,160 |
| FX Discount Notes |  | 6,379 |  | 2,291 |  | 2,583 |  | 850 |
| Other Short Term Debt ${ }^{10}$ |  | 4,863 |  | 86,777 |  | 8,661 |  | 50 |
| Total Short Term Debt ${ }^{3}$ | \$ | 2,041,430 | \$ | 1,588,608 | \$ | 1,558,706 | \$ | 829,060 |
| Benchmark Notes \& Bonds | \$ | 42,000 | \$ | 37,000 | \$ | 50,500 | \$ | 56,000 |
| Callable Benchmark Notes |  |  |  | - |  | - |  | - |
| Subordinated Benchmark Notes |  | - |  | - |  | - |  | - |
| Callable Fixed Rate MTNs ${ }^{6}$ |  | 113,716 |  | 135,886 |  | 150,255 |  | 122,143 |
| Noncallable Fixed Rate MTNs ${ }^{6}$ |  | 20,898 |  | 8,438 |  | 4,336 |  | 2,500 |
| Callable Floating Rate MTNs ${ }^{6}$ |  | 2,700 |  | 8,275 |  | 1,280 |  | 3,406 |
| Noncallable Floating Rate MTNs ${ }^{6}$ |  | 2,000 |  | 4,176 |  | 41,284 |  | 23,180 |
| Other LongTerm Debt ${ }^{11}$ |  | 0 |  | 138 |  | 743 |  | 190 |
| Total Long Term Debt ${ }^{8}$ | \$ | 181,314 | \$ | 193,913 | \$ | 248,399 | \$ | 207,419 |
| Total Federal Funds Purchased and Securities Sold under Agreements to Repurchase and Debt Issued | \$ | 2,453,423 | \$ | 1,820,910 | \$ | 1,873,610 | \$ | 1,040,173 |
| Net Issuance Long Term Debt ${ }^{12}$ | \$ | 12,058 | \$ | $(39,201)$ | \$ | $(18,363)$ | \$ | 33,231 |

[^4]
## Endnotes

Footnotes for Tables 1 and 2
Other Short Term Funding Liabilities includes Benchmark repos, contingency repo lending, and other short term funding liabilities. or 2006, the Other Short Term Funding Liabilities amount of $\$ 172,493$ million includes intra-days loans in the amount of $\$ 163,509$ million.
2 For 2007 and thereafter Other Short Term Debt consists of coupon bearing short term notes. For 2006 Other Short Term Debt consists of coupon bearing short term notes and investment agreements.
${ }^{3}$ Short term debt consists of borrowings with an original contractual maturity of one year or less.
${ }_{5}$ Outstanding Benchmark Notes \& Bonds with expired call options are reported as Benchmark Notes \& Bonds.
5 Outstanding MTNs with expired call options are reported as Noncallable MTNs.
6 MTNs include all long term non-Benchmark Securities such as globals, zero coupon securities, medium term notes, Final Maturity Amortizing Notes, and other long term debt securities.
7 For 2007 and thereafter Other Long Term Debt consists of long term foreign currency debt, investment agreements, and other long term securities. For 2006 Other Long Term Debt consists of long term foreign currency debt and other long term securities.
8 Long term debt consists of borrowings with an original contractual maturity of greater than one year.
${ }^{9}$ Unamortized discounts and issuance costs of long term zero coupon securities are approximately $\$ 11$ billion at December 31, 2006, $\$ 10.8$ billion at December 31, 2007, $\$ 14.8$ billion at December 31, 2008 and $\$ 15.8$ billion at July 31, 2009.
${ }^{10}$ For months beginning Oct 2007 and thereafter Other Short Term Debt includes coupon bearing short term notes. For 2006 and the first 9 months of 2007, Other Short Term Debt includes coupon bearing short term notes and investment agreements. For 2007, the Other Short Term Debt issuance amount of $\$ 86,777$ million includes intra-days loans in the amount of $\$ 86,727$ million.
${ }^{11}$ For months beginning Oct 2007 and thereafter Other Long Term Debt consists of long term foreign currency debt, investment agreements, and other long term securities. For 2006 Other Long Term Debt consists of long term foreign currency debt and other long term securities.
${ }^{12}$ Net Issuance Long Term Debt amounts represent the difference between long term debt issued and long term debt repaid during the period. For any period, a positive value indicates that the amount of long term debt issued was greater than the amount of long term debt repaid, and a negative value indicates that the amount of long term debt repaid was greater than the amount of long term debt issued.
${ }^{13}$ Prior period amounts have been collapsed to conform to the current period presentation.
Fannie Mae makes a good faith effort to publish the data in a scheduled manner. Fannie Mae does not guarantee that it will always publish the data when scheduled, and Fannie Mae expressly disclaims any liability for any delay in publishing the data. Fannie Mae reserves the right to publish and/or revise the data. This material should not be construed as an investment recommendation, an offer to buy/sell, or the solicitation of an offer to buy/sell any product or instrument. Although Fannie Mae reasonably attempts to ensure the accuracy of the information it publishes, the company does not represent, warrant or guarantee the accuracy of the data's calculations or the accuracy of the data as published. Fannie Mae shall not have any liability or responsibility, regardless of the cause, for any errors or omissions in connection with the use, misuse, release or distribution of this information.

## General

On November 9, 2007, we filed current financial statements in our Form 10-Q for the third quarter of 2007. As a result,beginning with the data for October 2007, we are implementing data reclassifications and other changes to betteralign the statistical information we present in our funding summary report with the financial information we report in our quarterly and annual filings with the SEC.
Previously reported amounts have been revised to conform to the current period presentation and to reflect the completion of Fannie Mae's 2005 audited financial statements.
Funding Liabilities and Debt include Federal Funds Purchased and Securities Sold under Agreements to Repurchase, Short Term Debt and Long Term Debt.
Reported amounts represent the unpaid principal balance at each reporting period or, in the case of the long term zero coupon bonds, at maturity. Unpaid principal balance does not reflect the effect of debt basis adjustments, including discounts, premiums, and issuance costs.
Numbers may not foot due to rounding.

## Debt Securities Index Reports

|  |  |  | eports |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |
| Citigroup |  |  |  |  |  |  |
| Fannie Mae Index: | 2.94 | 0.71 | 0.66 | 2.02 | 0.19 | 8.30 |
| 1-10 Years | 2.71 | 0.60 | 0.63 | 2.14 | 1.12 | 8.11 |
| 10+ Years | 0.23 | 2.11 | 1.07 | 0.42 | -8.85 | 9.62 |
| Callable | 0.68 | 0.58 | 0.65 | 2.27 | 0.91 | 5.49 |
| Noncallable | 2.26 | 0.75 | 0.66 | 1.94 | 0.02 | 8.67 |
| Globals* | 1.79 | 0.74 | 0.60 | 1.86 | 0.14 | 8.37 |
| Agency: | 7.68 | 0.66 | 0.49 | 1.76 | -0.18 | 7.99 |
| Callable | 1.23 | 0.47 | 0.57 | 2.04 | 1.10 | 5.47 |
| Noncallable | 6.45 | 0.69 | 0.48 | 1.71 | -0.35 | 8.20 |
| Globals | 4.41 | 0.75 | 0.70 | 1.89 | 0.29 | 8.54 |
| Citigroup |  |  |  |  |  |  |
| Index**: | 100.00 | 1.39 | 2.57 | 3.76 | 2.85 | 8.63 |
| U.S. Treasury | 26.97 | 0.38 | -0.81 | -1.04 | -4.06 | 6.44 |
| GSE*** | 8.68 | 0.68 | 0.65 | 1.82 | 0.00 | 7.98 |
| Credit | 24.95 | 3.67 | 9.72 | 10.75 | 11.00 | 8.68 |
| MBS | 38.90 | 0.85 | 1.09 | 3.40 | 3.57 | 10.51 |
| ABS | 0.30 | 0.69 | 6.83 | 12.49 | 18.61 | 8.33 |

* In July 2009, the definition of Globals changed due to a change in index methodology. Previously, if a bond was classified as the Eurodollar Index, then it was "Global." Currently, if a bond is cleared in DTC,
Euroclear/Clearstream and/or other clearances, then it is "Global."
** Components of Broad (BIG) Index: Treasury, GSE, Corporate, Mortgage
*** Includes US agencies
**** Includes World Bank global issues


## Summary Breakdown of 2009 Debt Issuances

Includes all settled fixed-rate debt issues with maturities greater than one year. Variable rate debt is not included in totals.

| Fannie Mae <br> Maturity/Call (Year) | Callable Debt <br> July 2009 <br> Par Amount (in thousands) | \# Issues | YTD 2009 Par Amount (in thousands) | \# Issues | Fannie Mae Fi <br> Maturity/Call (Year) | Callable Debt <br> July 2009 <br> Par Amount <br> (in thousands) | \# Issues | YTD 2009 Par Amount (in thousands) | \# Issues |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1.50NC0. 25 |  |  | 1,435,000,000 | 8 | 5.00NC2.00 | 1,025,000,000 | 4 | 4,160,000,000 | 36 |
| 1.99NC0.99 |  |  | 50,000,000 | 1 | 5.00NC2.50 | 35,000,000 | 2 | 240,000,000 | 6 |
| 2.00NC0. 24 |  |  | 250,000,000 | 1 | 5.00NC2.75 |  |  | 15,000,000 | 1 |
| 2.00NC0. 25 | 1,200,000,000 | 4 | 5,890,000,000 | 26 | 5.00 NC 3.00 |  |  | 250,000,000 | 6 |
| 2.00NC0.42 |  |  | 800,000,000 | 6 | 5.50NC0.25 | 100,000,000 | 2 | 140,000,000 | 4 |
| 2.00NC0.50 | 35,000,000 | 2 | 1,305,000,000 | 17 | 5.50NC0.50 | 25,000,000 | 1 | 65,000,000 | 3 |
| 2.00NC1.00 | 40,000,000 | 2 | 28,685,000,000 | 51 | 5.50NC1.00 |  |  | 60,000,000 | 2 |
| 2.02NC1.02 |  |  | 80,000,000 | 2 | 5.50NC1.50 |  |  | 20,000,000 | 2 |
| 2.05NC1.05 |  |  | 150,000,000 | 1 | 5.51 NC 0.25 |  |  | 180,000,000 | 4 |
| 2.06NC1.06 |  |  | 2,000,000,000 | 1 | $5.51 \mathrm{NC2} 200$ |  |  | 40,000,000 | 1 |
| 2.08NC1.08 |  |  | 1,000,000,000 | 1 | 5.59NC0.25 |  |  | 10,000,000 | 1 |
| 2.17NC1.17 |  |  | 10,000,000 |  | 5.67NC0.50 |  |  | 20,000,000 | 1 |
| 2.25NC0. 25 |  |  | 275,000,000 | 2 | 5.76NC2.00 |  |  | 15,000,000 | 1 |
| 2.25NC0.76 |  |  | 25,000,000 | 1 | 6.00NC0. 24 |  |  | 105,000,000 | 1 |
| 2.25NC1.00 | 85,000,000 | 2 | 150,000,000 | 4 | 6.00NC0.25 |  |  | 200,000,000 | 3 |
| 2.34NC1.17 |  |  | 20,000,000 | 1 | 6.00NC0.50 |  |  | 55,000,000 | 1 |
| 2.42NC0.42 | 25,000,000 | 2 | 50,000,000 | 4 | 6.00NC1.00 | 15,000,000 | 1 | 230,000,000 | 6 |
| 2.50NC0. 25 |  |  | 395,000,000 | 6 | 6.00 NC 2.00 |  |  | 100,000,000 | 3 |
| 2.50NC0.50 | 25,000,000 | 1 | 620,000,000 | 6 | 6.00 NC 3.00 |  |  | 25,000,000 | 1 |
| 2.50NC0.75 |  |  | 30,000,000 | 1 | 6.42NC1.42 | 30,000,000 | 3 | 60,000,000 | 6 |
| 2.50NC1.00 | 125,000,000 | 3 | 2,400,000,000 | 34 | 6.50NC0. 24 |  |  | 10,000,000 | 1 |
| 2.75NC1.00 |  |  | 890,000,000 | 13 | 6.50NC0.25 |  |  | 10,000,000 | 1 |
| 2.75NC1.75 |  |  | 25,000,000 | 1 | 6.50 NC 2.00 |  |  | 20,000,000 | 2 |
| 2.76NC0. 25 |  |  | 175,000,000 | 2 | 6.51 NC 1.00 |  |  | 15,000,000 | 1 |
| 2.76NC1.00 |  |  | 40,000,000 | 1 | 6.67NC0. 25 |  |  | 10,000,000 | 1 |
| 3.00 NCO .24 |  |  | 856,000,000 | 15 | 7.00NC0.24 |  |  | 35,000,000 | 1 |
| 3.00 NCO .25 | 100,000,000 | 2 | 1,260,000,000 | 19 | 7.00NC0.25 | 125,000,000 | 2 | 500,000,000 | 14 |
| 3.00 NCO .50 | 350,000,000 | 3 | 755,000,000 | 15 | 7.00NC0.50 | 40,000,000 | 2 | 55,000,000 | 3 |
| $3.00 \mathrm{NC0.51}$ | 200,000,000 | 1 | 400,000,000 | 2 | 7.00NC1.00 | 50,000,000 | 1 | 4,860,000,000 | 14 |
| 3.00 NC0.75 |  |  | 25,000,000 | 1 | 7.00NC1.50 |  |  | 25,000,000 | 1 |
| 3.00 NC1.00 | 2,256,000,000 | 14 | 14,791,000,000 | 57 | 7.00NC2.00 |  |  | 175,000,000 | 6 |
| 3.00 NC 1.50 |  |  | 460,000,000 | 5 | 7.00NC3.00 |  |  | 25,000,000 | 1 |
| 3.00 NC2.00 |  |  | 710,000,000 | 7 | 7.26NC2.25 |  |  | 20,000,000 | 2 |
| 3.17NC1.17 |  |  | 20,000,000 | 2 | 7.50NC0.25 | 50,000,000 | 2 | 75,000,000 | 3 |
| 3.25 NC 1.00 | 25,000,000 | 1 | 50,000,000 | 2 | $7.50 \mathrm{NC2} 200$ |  |  | 10,000,000 | 1 |
| 3.25NC1.25 | 25,000,000 | 1 | 50,000,000 | 2 | 7.51NC2.00 |  |  | 160,000,000 | 2 |
| 3.42 NCO .25 |  |  | 10,000,000 | 1 | 7.51 NC 1.50 |  |  | 40,000,000 | 2 |
| 3.42NC1.41 |  |  | 15,000,000 | 1 | 7.51NC2.25 |  |  | 20,000,000 | 1 |
| 3.50 NCO .24 |  |  | 250,000,000 | , | 7.52NC2.00 |  |  | 20,000,000 | 1 |
| 3.50 NCO .25 | 75,000,000 | 2 | 460,000,000 | 11 | 7.76NC2.00 |  |  | 20,000,000 | 1 |
| 3.50 NCO .50 | 90,000,000 | 3 | 215,000,000 | 7 | 7.84NC1.59 |  |  | 10,000,000 | 1 |
| 3.50 NC 1.00 | 25,000,000 | 1 | 730,000,000 | 10 | 8.00NC0. 24 |  |  | 10,000,000 | 1 |
| $3.50 \mathrm{NC1} 1.50$ | 50,000,000 | 1 | 250,000,000 | 6 | 8.00NC0. 25 |  |  | 35,000,000 | 2 |
| 3.50 NC 2.00 |  |  | 125,000,000 | 3 | 8.42NC0.25 |  |  | 10,000,000 | 1 |
| 3.51 NC0. 25 |  |  | 109,800,000 | 4 | 8.50NC1.50 |  |  | 25,000,000 | 1 |
| 3.51 NC1.00 |  |  | 720,000,000 | 11 | 8.51 NC 1.00 |  |  | 10,000,000 | 1 |
| 3.51 NC1. 25 |  |  | 10,000,000 | 1 | 9.00NC0. 25 |  |  | 20,000,000 | 1 |
| 3.51 NC1.50 |  |  | 110,000,000 | 2 | 10.00NC0.24 |  |  | 100,000,000 | 4 |
| 3.51 NC2.00 |  |  | 80,000,000 | 1 | 10.00NC0.25 | 195,000,000 | 3 | 2,650,000,000 | 50 |
| 3.59 NCO .25 |  |  | 10,000,000 | 1 | 10.00NC0.50 | 330,000,000 | 11 | 375,000,000 | 13 |
| 3.75 NCO .24 |  |  | 25,000,000 | 1 | 10.00NC1.00 | 75,000,000 | 3 | 1,396,000,000 | 20 |
| 3.76 NC 0.76 |  |  | 100,000,000 | 3 | 10.00NC2.00 |  |  | 15,000,000 | 1 |
| 3.76 NC1.00 |  |  | 25,000,000 | 1 | 10.00NC3.00 |  |  | 25,000,000 | 1 |
| 3.84 NCO .84 |  |  | 10,000,000 | 1 | 11.00 NC 1.00 |  |  | 15,000,000 | 1 |
| 3.92NC0.91 | 25,000,000 | 1 | 50,000,000 | 2 | 12.00NC0.24 |  |  | 25,000,000 | 1 |
| 4.00NC0. 24 |  |  | 280,000,000 | 2 | 12.00NC0.25 |  |  | 90,000,000 | 4 |
| 4.00NC0. 25 |  |  | 40,000,000 | 2 | 12.00NC1.00 |  |  | 50,000,000 | 2 |
| 4.00NC0.50 | 110,000,000 | 5 | 210,000,000 | 6 | 13.00NC0.25 |  |  | 51,000,000 | 2 |
| 4.00NC1.00 |  |  | 360,000,000 | 9 | 15.00NC0.24 |  |  | 1,271,000,000 | 16 |
| 4.00NC2.00 |  |  | 20,000,000 | 1 | 15.00NC0.25 | 635,000,000 | 9 | 6,597,500,000 | 117 |
| 4.08 NC1.08 |  |  | 10,000,000 | 1 | 15.00NC0.50 | 1,345,000,000 | 32 | 1,640,000,000 | 38 |
| 4.50NC0.24 |  |  | 250,000,000 | 1 | 15.00NC0.75 |  |  | 20,000,000 | 1 |
| 4.50NC0. 25 |  |  | 250,000,000 | 1 | 15.00NC1.00 | 381,000,000 | 9 | 2,061,000,000 | 19 |
| 4.50NC1.00 |  |  | 10,000,000 | 1 | 15.00 NC3.00 |  |  | 50,000,000 | 1 |
| 4.51NC0. 25 |  |  | 25,000,000 | 2 | 15.00NC4.00 |  |  | 50,000,000 | 1 |
| 4.51 NC 1.00 |  |  | 165,000,000 | 5 | 15.00NC5.00 |  |  | 50,000,000 | 1 |
| 4.51NC1.50 |  |  | 25,000,000 | 1 | 15.02NC0.25 |  |  | 20,000,000 | 1 |
| 4.58NC1.08 |  |  | 15,000,000 | 1 | 15.03NC0.28 |  |  | 40,000,000 | 1 |
| 4.76NC0. 25 |  |  | 10,000,000 | 1 | 15.00NC1.00 |  |  | 715,000,000 | 16 |
| 4.99NC0.50 |  |  | 25,000,000 | 1 | 15.00NC5.00 |  |  | 40,000,000 | 1 |
| 5.00NC0. 24 |  |  | 530,000,000 | 10 | 20.00NC1.00 |  |  | 1,092,075,000 | 20 |
| 5.00NC0. 25 | 500,000,000 | 10 | 3,385,000,000 | 66 | 25.02NC1.00 |  |  | 140,000,000 | 4 |
| 5.00NC0.50 | 705,000,000 | 20 | 1,185,000,000 | 32 | 30.00 NC1.00 |  |  | 550,000,000 | 2 |
| 5.00 NC1.00 | 350,000,000 | 6 | 11,815,000,000 | 37 | 30.02 NC 1.00 |  |  | 6,438,010,000 | 23 |
| 5.00NC1.25 |  |  | 40,000,000 | 2 | Total |  |  | \$114,671,385,000 | 904 |
| 5.00 NC1.50 |  |  | 15,000,000 | 1 |  |  |  |  |  |

## 2009 Debt Redemptions

Callable Debt Redeemed (in billions)

| January | $\$$ | 13.3 |
| :--- | ---: | ---: |
| February | $\$$ | 18.7 |
| March | $\$$ | 12.5 |
| April | $\$$ | 38.1 |
| May | $\$$ | 22.2 |
| June | $\$$ | 15.3 |
| July | $\$$ | 5.5 |
| TOTAL | $\$$ | $\mathbf{1 2 5 . 6}$ |

## Summary Breakdown of

 2009 Benchmark Notes IssuanceFannie Mae Noncallable Benchmark Notes
July 09

Par Amount $\quad$ \# Issues | YTD 2009 |
| :---: |
| Maturity |
| Par Amount |

Recent Benchmark Notes Transaction

| Benchmark Securities | Size/Cusip | Lead-Managers | Co-Managers | Pricing Date and Spread | Geographic Distribution | Investor Type Distribution |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 3 year | $\$ 4.0$ billion | Banc of America | Goldman Sachs \& Co.; | July 9, 2009 | U.S. 70.4\% | Fund Manager 41.2\% |
| 1.750\% | 31398AYM8 | Securities; | MFR Securities, Inc.; | +32 basis points | Asia 17.0\% | Comm. Banks 23.4\% |
| 8/10/2012 |  | Barclays Capital; | Morgan Stanley \& Co.; | 1.500 | Europe 4.0\% | Insurance 1.2\% |
|  |  | J.P. Morgan \& Co | UBS Securities LLC | 7/15/2012 | Other 8.6\% | Corp/Pensions 2.2\% |
|  |  |  |  | U.S. Treasury |  | Central Banks 26.4\% |
|  |  |  |  |  |  | State \& Local 5.3\% |
|  |  |  |  |  |  | Retail 0.3\% |

Benchmark Repo Lending Facility Auction Results

| Auction <br> Date | REPO <br> Maturity | CUSIP | Maturity | Amount <br> Loaned <br> (\$MM) | WAVG <br> Yield | \# of <br> Bids |
| :--- | ---: | :---: | :---: | :---: | :---: | :---: |
| $7 / 2 / 09$ | $7 / 6 / 09$ | $31359 M S 61$ | $07 / 15 / 2016$ | $\$ 50,000,000$ | 0.010 | 1 |
| $7 / 6 / 09$ | $7 / 7 / 09$ | $31359 M S 61$ | $07 / 15 / 2016$ | $\$ 50,000,000$ | 0.010 | 1 |
| $7 / 7 / 09$ | $7 / 8 / 09$ | $31359 M S 61$ | $07 / 15 / 2016$ | $\$ 50,000,000$ | 0.010 | 1 |

Fannie Mae Funding Liabilities and Debt Outstanding 2006 through August 31, 2009

| Funding Liabilities and Debt Outstanding (in millions) | 12/31/06 |  | 12/31/07 |  | 12/31/08 |  | 8/31/09 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Federal Fund Borrowings | \$ | 700 | \$ | - | \$ | - | \$ | - |
| Other Short Term Funding Liabilities ${ }^{1}$ |  | - |  | 869 |  | 77 |  |  |
| Total Federal Funds Purchased and Securities Sold under Agreements to Repurchase | \$ | 700 | \$ | 869 | \$ | 77 | \$ | - |
| Average maturity (in days) |  | 1 |  | 1 |  |  |  |  |
| Discount Notes ${ }^{13}$ | \$ | 83,893 | \$ | 155,358 | \$ | 272,476 | \$ | 226,020 |
| FX Discount Notes |  | 1,917 |  | 859 |  | 402 |  | 407 |
| Other Short Term Debt ${ }^{2}$ |  | 5,613 |  | 50 |  | 7,661 |  | 3,079 |
| Total Short Term Debt ${ }^{3}$ | \$ | 167,923 | \$ | 236,267 | \$ | 332,542 | \$ | 229,506 |
| Average maturity (in days) |  | 81 |  | 74 |  | 102 |  | 94 |
| Benchmark Notes \& Bonds ${ }^{4}$ | \$ | 277,706 | \$ | 256,823 | \$ | 251,315 | \$ | 278,696 |
| Callable Benchmark Notes ${ }^{4}$ |  |  |  | - |  | - |  | - |
| Subordinated Benchmark Notes |  | 11,000 |  | 9,000 |  | 7,398 |  | 7,398 |
| Callable Fixed Rate MTNs ${ }^{5,6}$ |  | 192,374 |  | 207,504 |  | 190,950 |  | 189,924 |
| Noncallable Fixed Rate MTNs ${ }^{5,6}$ |  | 114,242 |  | 77,331 |  | 50,131 |  | 45,450 |
| Callable Floating Rate MTNs ${ }^{\text {, } 6}$ |  | 831 |  | 8,135 |  | 1,530 |  | 4,721 |
| Noncallable Floating Rate MTNs ${ }^{5,6}$ |  | 5,470 |  | 5,761 |  | 45,470 |  | 57,775 |
| Other LongTerm Debt ${ }^{7}$ |  | 4,138 |  | 4,580 |  | 3,763 |  | 3,385 |
| Total Long Term Debt ${ }^{8,9}$ | \$ | 605,761 | \$ | 569,134 | \$ | 550,557 | \$ | 587,349 |
| Average maturity (in months) |  | 57 |  | 68 |  | 66 |  | 60 |
| Agreements to Repurchase and Debt Outstanding | \$ | 774,384 | \$ | 806,270 | \$ | 883,176 | \$ | 816,855 |
| Average maturity (in months) |  | 45 |  | 48 |  | 42 |  | 44 |

Fannie Mae Funding Liabilities and Debt Issuance 2006 through August 31, 2009

| Funding Liabilities and Debt Issuance (in millions) | 2006 |  | 2007 |  | 2008 |  | 2009 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Federal Fund Borrowings | \$ | 58,186 | \$ | 13,065 | \$ | 5,617 | \$ | - |
| Other Short Term Funding Liabilities ${ }^{1}$ |  | 172,493 |  | 25,324 |  | 60,888 |  | 4,094 |
| Total Federal Funds Purchased and Securities Sold under Agreements to Repurchase | \$ | 230,679 | \$ | 38,389 | \$ | 66,505 | \$ | 4,094 |
| Discount Notes | \$ | 2,030,188 | \$ | 1,499,540 | \$ | 1,547,462 | \$ | 938,583 |
| FX Discount Notes |  | 6,379 |  | 2,291 |  | 2,583 |  | 894 |
| Other Short Term Debt ${ }^{10}$ |  | 4,863 |  | 86,777 |  | 8,661 |  | 50 |
| Total Short Term Debt ${ }^{3}$ | \$ | 2,041,430 | \$ | 1,588,608 | \$ | 1,558,706 | \$ | 939,527 |
| Benchmark Notes \& Bonds | \$ | 42,000 | \$ | 37,000 | \$ | 50,500 | \$ | 60,000 |
| Callable Benchmark Notes |  | - |  |  |  | - |  | - |
| Subordinated Benchmark Notes |  | - |  | - |  | - |  | - |
| Callable Fixed Rate MTNs ${ }^{6}$ |  | 113,716 |  | 135,886 |  | 150,255 |  | 133,531 |
| Noncallable Fixed Rate MTNs ${ }^{6}$ |  | 20,898 |  | 8,438 |  | 4,336 |  | 2,517 |
| Callable Floating Rate MTNs ${ }^{6}$ |  | 2,700 |  | 8,275 |  | 1,280 |  | 3,831 |
| Noncallable Floating Rate MTNs ${ }^{6}$ |  | 2,000 |  | 4,176 |  | 41,284 |  | 23,180 |
| Other LongTerm Debt ${ }^{11}$ |  | 0 |  | 138 |  | 743 |  | 199 |
| Total Long Term Debt ${ }^{8}$ | \$ | 181,314 | \$ | 193,913 | \$ | 248,399 | \$ | 223,258 |
| Total Federal Funds Purchased and Securities Sold under Agreements to Repurchase and Debt Issued | \$ | 2,453,423 | \$ | 1,820,910 | \$ | 1,873,610 | \$ | 1,166,879 |
| Net Issuance Long Term Debt ${ }^{12}$ | \$ | 12,058 | \$ | $(39,201)$ | \$ | $(18,363)$ | \$ | 36,674 |

[^5]
## Endnotes

Footnotes for Tables 1 and 2
Other Short Term Funding Liabilities includes Benchmark repos，contingency repo lending，and other short term funding liabilities．or 2006，the Other Short Term Funding Liabilities amount of $\$ 172,493$ million includes intra－days loans in the amount of $\$ 163,509$ million．
2 For 2007 and thereafter Other Short Term Debt consists of coupon bearing short term notes．For 2006 Other Short Term Debt consists of coupon bearing short term notes and investment agreements．
${ }^{3}$ Short term debt consists of borrowings with an original contractual maturity of one year or less．
${ }_{5}$ Outstanding Benchmark Notes \＆Bonds with expired call options are reported as Benchmark Notes \＆Bonds．
${ }_{6}^{5}$ Outstanding MTNs with expired call options are reported as Noncallable MTNs．
${ }^{6}$ MTNs include all long term non－Benchmark Securities such as globals，zero coupon securities，medium term notes，Final Maturity Amortizing Notes，and other long term debt securities．
7 For 2007 and thereafter Other Long Term Debt consists of long term foreign currency debt，investment agreements，and other long term securities．For 2006 Other Long Term Debt consists of long term foreign currency debt and other long term securities．
8 Long term debt consists of borrowings with an original contractual maturity of greater than one year．
9 Unamortized discounts and issuance costs of long term zero coupon securities are approximately $\$ 11$ billion at December 31，2006，\＄10．8 billion at December 31，2007， $\$ 14.8$ billion at December 31， 2008 and $\$ 15.7$ billion at August 31， 2009.
${ }^{10}$ For months beginning Oct 2007 and thereafter Other Short Term Debt includes coupon bearing short term notes．For 2006 and the first 9 months of 2007，Other Short Term Debt includes coupon bearing short term notes and investment agreements．For 2007，the Other Short Term Debt issuance amount of $\$ 86,777$ million includes intra－days loans in the amount of $\$ 86,727$ million．
${ }^{11}$ For months beginning Oct 2007 and thereafter Other Long Term Debt consists of long term foreign currency debt，investment agreements，and other long term securities． For 2006 Other Long Term Debt consists of long term foreign currency debt and other long term securities．
${ }^{12}$ Net Issuance Long Term Debt amounts represent the difference between long term debt issued and long term debt repaid during the period．For any period，a positive value indicates that the amount of long term debt issued was greater than the amount of long term debt repaid，and a negative value indicates that the amount of long term debt repaid was greater than the amount of long term debt issued．
${ }^{13}$ Prior period amounts have been collapsed to conform to the current period presentation．
Fannie Mae makes a good faith effort to publish the data in a scheduled manner．Fannie Mae does not guarantee that it will always publish the data when scheduled，and Fannie Mae expressly disclaims any liability for any delay in publishing the data．Fannie Mae reserves the right to publish and／or revise the data．This material should not be construed as an investment recommendation，an offer to buy／sell，or the solicitation of an offer to buy／sell any product or instrument．Although Fannie Mae reasonably attempts to ensure the accuracy of the information it publishes，the company does not represent，warrant or guarantee the accuracy of the data＇s calculations or the accuracy of the data as published．Fannie Mae shall not have any liability or responsibility，regardless of the cause，for any errors or omissions in connection with the use，misuse， release or distribution of this information．

## General

On November 9，2007，we filed current financial statements in our Form 10－Q for the third quarter of 2007．As a result，beginning with the data for October 2007，we are implementing data reclassifications and other changes to betteralign the statistical information we present in our funding summary report with the financial information we report in our quarterly and annual filings with the SEC．
Previously reported amounts have been revised to conform to the current period presentation and to reflect the completion of Fannie Mae＇s 2005 audited financial statements．
Funding Liabilities and Debt include Federal Funds Purchased and Securities Sold under Agreements to Repurchase，Short Term Debt and Long Term Debt．
Reported amounts represent the unpaid principal balance at each reporting period or，in the case of the long term zero coupon bonds，at maturity．Unpaid principal balance does not reflect the effect of debt basis adjustments，including discounts，premiums，and issuance costs．
Numbers may not foot due to rounding．

## Debt Securities Index Reports

|  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |
| Citigroup |  |  |  |  |  |  |
| Fannie Mae Index： | 2.89 | 0.49 | 1.26 | 2.39 | 0.68 | 8.58 |
| 1－10 Years | 2.67 | 0.46 | 1.03 | 2.39 | 1.58 | 8.29 |
| 10＋Years | 0.22 | 0.87 | 4.13 | 2.07 | －8．06 | 10.96 |
| Callable | 0.66 | 0.47 | 1.14 | 2.42 | 1.39 | 5.51 |
| Noncallable | 2.23 | 0.50 | 1.29 | 2.36 | 0.53 | 8.99 |
| Globals＊ | 1.77 | 0.56 | 1.40 | 2.33 | 0.70 | 8.56 |
| Agency： | 7.4 | 0.58 | 1.34 | 2.20 | 0.39 | 8.13 |
| Callable | 1.17 | 0.56 | 1.06 | 2.47 | 1.66 | 5.59 |
| Noncallable | 6.23 | 0.58 | 1.39 | 2.16 | 0.23 | 8.35 |
| Globals | 4.25 | 0.53 | 1.42 | 2.31 | 0.83 | 8.70 |
| Citigroup |  |  |  |  |  |  |
| Index＊＊： | 100.00 | 1.06 | 3.12 | 5.15 | 3.94 | 8.67 |
| U．S．Treasury | 26.7 | 0.93 | 1.11 | 0.42 | －3．17 | 6.11 |
| GSE＊＊＊ | 8.4 | 0.61 | 1.42 | 2.39 | 0.62 | 8.14 |
| Credit | 24.89 | 1.85 | 8.41 | 14.54 | 13.06 | 9.84 |
| MBS | 39.50 | 0.71 | 1.65 | 3.57 | 4.30 | 10.00 |
| ABS | 0.31 | 4.31 | 5.56 | 17.60 | 23.73 | 13.76 |

＊In July 2009，the definition of Globals changed due to a change in index methodology．Previously，if a bond was classified as the Eurodollar Index， then it was＂Global．＂Currently，if a bond is cleared in DTC，
Euroclear／Clearstream and／or other clearances，then it is＂Global．＂
＊＊Components of Broad（BIG）Index：Treasury，GSE，Corporate，Mortgage
＊＊＊Includes US agencies
＊＊＊＊Includes World Bank global issues

|  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Barclays Capital |  |  |  |  |  |  |
| Fannie Mae Index： | 2.89 | 0.50 | 1.33 | 1.99 | 0.89 | 7.37 |
| 1－10 Years | 2.60 | 0.44 | 0.99 | 2.01 | 1.61 | 7.38 |
| 10＋Years | 0.29 | 1.04 | 4.54 | 1.75 | －4．57 | 7.03 |
| Callable | 0.89 | 0.41 | 1.01 | 1.83 | 1.49 | 5.06 |
| Noncallable | 2.00 | 0.53 | 1.48 | 2.06 | 0.61 | 8.46 |
| Globals | 1.98 | 0.50 | 1.26 | 1.96 | 0.69 | 8.20 |
| Agency： | 9.22 | 0.51 | 1.22 | 1.98 | 0.96 | 7.45 |
| Callable | 1.94 | 0.46 | 0.97 | 1.78 | 1.63 | 4.87 |
| Noncallable | 7.27 | 0.52 | 1.28 | 2.03 | 0.76 | 8.31 |
| Globals＊＊＊＊ | 6.54 | 0.48 | 1.13 | 1.99 | 0.92 | 8.32 |
| Barclays Aggregate |  |  |  |  |  |  |
| Index： | 100.00 | 1.04 | 3.25 | 5.95 | 4.62 | 7.94 |
| U．S．Treasury | 25.71 | 0.89 | 1.10 | 0.39 | －3．05 | 6.09 |
| Government－Related＊＊＊ | 13.36 | 0.80 | 2.05 | 3.23 | 1.73 | 7.42 |
| Corporate | 19.07 | 1.83 | 9.13 | 16.84 | 15.06 | 10.35 |
| MBS | 37.96 | 0.67 | 1.62 | 3.65 | 4.45 | 9.80 |
| ABS | 0.47 | 2.37 | 5.15 | 14.55 | 20.81 | 9.64 |
| CMBS | 3.42 | 2.51 | 10.95 | 31.67 | 21.77 | 0.52 |
| This data has been compiled from reports supplied by Citigroup and Barclays |  |  |  |  |  |  |
| Capital and is reproduced $h$ according to rules develope them． | re with the by these | permis frms and | sion．The the inde | indexes $x$ values | are con are calc | structed ulated by |

## Summary Breakdown of 2009 Debt Issuances

Includes all settled fixed-rate debt issues with maturities greater than one year. Variable rate debt is not included in totals.

## Fannie Mae Fixed-Rate Callable Debt

Fannie Mae Fixed-Rate Callable Debt
Maturity/Cal
(Year)

| Aug 2009 |  |  |  |
| :---: | :---: | :---: | :---: |
| Par Amount | \# Issues 2009 |  |  |
| (in thousands) |  | Par Amount | \# Issue |
| (in thousands) |  |  |  |

## 2009 Debt Redemptions

Callable Debt Redeemed (in billions)

| January | $\$$ | 13.3 |
| :--- | ---: | ---: |
| February | $\$$ | 18.7 |
| March | $\$$ | 12.5 |
| April | $\$$ | 38.1 |
| May | $\$$ | 22.2 |
| June | $\$$ | 15.3 |
| July | $\$$ | 5.5 |
| August | $\$$ | 9.2 |
| TOTAL | $\$$ | $\mathbf{1 3 4 . 8}$ |

Summary Breakdown of 2009 Benchmark Notes Issuance
Fannie Mae Noncallable Benchmark Notes

|  | Aug 09 <br> Mar Amount | \# Issues | YTD 2009 <br> Par Amount | \# Issues |
| :--- | :---: | :---: | :---: | :---: |
| 2 Years |  |  | $21,000,000,000$ | 2 |
| 3 Years | $1,000,000,000$ | 1 | $15,000,000,000$ | 3 |
| 5 Years | $3,000,000,000$ | 1 | $24,000,000,000$ | 4 |
| TOTAL |  |  | $\mathbf{6 0 , 0 0 0 , 0 0 0 , 0 0 0}$ | $\mathbf{9}$ |

Recent Benchmark Notes Transaction

| Benchmark Securities | Size/Cusip | Lead-Managers | Co-Managers | Pricing Date and Spread | Geographic Distribution | Investor Type Distribution |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 5 year | $\$ 3.0$ billion | Barclays Capital; | Deutsche Bank Securities Inc.; | August 13, 2009 | U.S. 82.7\% | Fund Manager 62.0\% |
| 3.000\% | 31398AYY3 | J.P. Morgan \& Co; | Guzman \& Company; | +43.5 basis points | Asia 10.6\% | Comm. Banks 2.6\% |
| 9/16/2014 |  | Goldman Sachs \& Co. | Morgan Stanley \& Co.; | 2.625\% | Europe 2.6\% | Insurance 6.6\% |
|  |  |  | Utendahl Capital Partners, LP | 7/31/2014 | Other 4.1\% | Corp/Pensions 0.8\% |
|  |  |  |  | U.S. Treasury |  | Central Banks 13.2\% |
|  |  |  |  |  |  | State \& Local 13.0\% |
|  |  |  |  |  |  | Retail 1.8\% |


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[^1]:    ${ }^{1}$ The total issued amount of $\$ 61$ billion year-to-date through September 15, 2009 includes $\$ 1$ billion reopenings of Benchmark Notes via Dutch auctions in both August and September 2009.

[^2]:    ${ }^{2}$ SIMFA's U.S. Bond Market Trading Volume: http://www.sifma.org/uploadedFiles/Research/Statistics/SIFMA_USBondMarketTradingVolume.pdf

[^3]:    ${ }^{3}$ FDIC bank-guaranteed debt has the same risk weighting of 20 percent as the risk weighting on Fannie Mae and Freddie Mac debt.

[^4]:    Please see the Endnotes on the following page for more detail.

[^5]:    Please see the Endnotes on the following page for more detail.

