# \$1,661,277,124 <br> Government National Mortgage Association 



GINNIE MAE ${ }^{\circledR}$<br>Guaranteed REMIC Pass-Through Securities and MX Securities

Ginnie Mae REMIC Trust 2001-22

The securities may not be suitable investments for you. You should consider carefully the risks of investing in them.

See "Risk Factors" beginning on page S-9 which highlights some of these risks.

## The Securities

The Trust will issue the classes of securities listed on the inside front cover.

## The Ginnie Mae Guaranty

Ginnie Mae will guarantee the timely payment of principal and interest on the securities. The Ginnie Mae Guaranty is backed by the full faith and credit of the United States of America.

The Trust and its Assets
The Trust will own (1) Ginnie Mae Certificates and (2) certain previously issued certificates.

The Sponsor and the Co-Sponsor will offer the securities from time to time in negotiated transactions at varying prices. We expect the closing date to be May 30, 2001.

You should read the Base Offering Circular as well as this Supplement.
The securities are exempt from registration under the Securities Act of 1933 and are "exempted securities" under the Securities Exchange Act of 1934.

## Salomon Smith Barney The Williams Capital Group, L.P.

## Ginnie Mae REMIC Trust 2001-22

The Trust will issue the classes of securities listed in the table below. If you own exchangeable securities identified in the table, you can exchange them for the corresponding MX securities, and vice versa.

| Class of REMIC Securities | Original Principal Balance(2) | Interest Rate | Principal Type (3) | Interest <br> Type (3) | Final Distribution Date(4) | CUSIP <br> Number |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Security Group 1 |  |  |  |  |  |  |
| A (1) | \$507,570,000 | 6.50\% | SEQ | FIX | June 2027 | 38373 RAA 7 |
| B (1) | 32,170,000 | 6.50 | SEQ | FIX | February 2028 | 38373 RAB5 |
| BA(1) | 35,650,000 | 6.50 | SEQ | FIX | October 2028 | 38373 RAC3 |
| BC (1) | 10,000,000 | 6.50 | SEQ | FIX | January 2029 | 38373 RAD1 |
| VA | 39,610,000 | 6.50 | SEQ/AD | FIX | June 2010 | 38373 RAE 9 |
| VB | 50,000,000 | 6.50 | SEQ/AD | FIX | April 2017 | 38373 RAF 6 |
| ZA | 50,000,000 | 6.50 | SEQ | FIX / Z | May 2031 | 38373 RAG 4 |
| Security Group 2 |  |  |  |  |  |  |
| FA | 49,093,267 | (5) | PT | FLT | May 2031 | 38373 RAM1 |
| FJ | 19,250,734 | (5) | PT | FLT | May 2031 | 38373 RAK 5 |
| SA | 56,395,139 | (5) | NTL(PT) | INV/IO | May 2031 | 38373 RAN9 |
| SJ | 11,948,862 | (5) | NTL(PT) | INV/IO | May 2031 | 38373 RAP 4 |
| VI | 68,344,001 | 0.354265 | NTL | FIX/IO | June 2001 | 38373 RAQ2 |
| Security Group 3 |  |  |  |  |  |  |
| DA | 5,335,500 | 6.50 | SC/SEQ | FIX | May 2026 | 38373 RAR0 |
| DB | 5,335,500 | 6.50 | SC/SEQ | FIX | May 2026 | 38373 RAS 8 |
| DC | 5,335,500 | 6.50 | SC/SEQ | FIX | May 2026 | 38373 RAT6 |
| DE | 5,335,500 | 6.50 | SC/SEQ | FIX | May 2026 | 38373 RAU3 |
| Security Group 4 |  |  |  |  |  |  |
| K (1) | 120,865,427 | 6.50 | SC/PT | FIX | May 2026 | 38373 RFY0 |
| Security Group 5 |  |  |  |  |  |  |
| GA | 2,300,000 | 6.50 | SEQ | FIX | January 2013 | 38373 RAV1 |
| GB | 2,800,000 | 6.50 | SEQ | FIX | December 2019 | 38373RAW9 |
| GC | 2,700,000 | 6.50 | SEQ | FIX | March 2024 | 38373 RAX 7 |
| GD | 1,100,000 | 6.50 | SEQ | FIX | August 2025 | 38373 RAY 5 |
| GE | 1,800,000 | 6.50 | SEQ | FIX | August 2027 | 38373 RAZ2 |
| GF | 1,400,000 | 6.50 | SEQ | FIX | December 2028 | 38373 R BA6 |
| GH | 2,900,000 | 6.50 | SEQ | FIX | May 2031 | 38373 R B B 4 |
| Security Group 6 |  |  |  |  |  |  |
| EA(1) | 21,911,765 | 0.00 | PT | PO | May 2031 | 38373 RBC2 |
| FD | 65,000,000 | (5) | PT | FLT | May 2031 | 38373 RBD0 |
| FG | 350,588,235 | (5) | PT | FLT | May 2031 | 38373 R BE 8 |
| SD | 415,588,235 | (5) | NTL (PT) | INV/IO | May 2031 | 38373 RBF5 |
| SE (1) | 350,588,235 | (5) | NTL(PT) | INV/IO | May 2031 | 38373 RBG3 |
| Security Group 7 |  |  |  |  |  |  |
| EL(1) | 10,176,471 | 0.00 | PT | PO | May 2031 | 38373 RBH1 |
| FK | 162,823,529 | (5) | PT | FLT | May 2031 | 38373 R BJ 7 |
| SK(1) | 162,823,529 | (5) | NTL(PT) | INV/IO | May 2031 | 38373 RBK 4 |
| Security Group 8 |  |  |  |  |  |  |
| PF | 23,183,333 | (5) | SC/PT | FLT | March 2031 | 38373 R BL2 |
| PG (1) | 6,134,667 | (5) | SC/PT | INV | March 2031 | 38373 RBM0 |
| PT(1) | 2,782,000 | (5) | SC/PT | INV | March 2031 | 38373 RBN8 |
| Security Group 9 |  |  |  |  |  |  |
| FM | 64,118,302 | (5) | PT | FLT | May 2031 | 38373 RBP3 |
| SM | 54,099,817 | (5) | NTL(PT) | INV/IO | May 2031 | 38373 RBQ1 |
| SO | 4,007,394 | (5) | PT | INV | May 2031 | 38373 RBR9 |
| Residual |  |  |  |  |  |  |
| RR.. | 0 | 0.00 | NPR | NPR | May 2031 | 38373 RDM8 |

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## AVAILABLE INFORMATION

You should purchase the securities only if you have read and understood the following documents:

- this Supplement,
- the Base Offering Circular and
- in the case of the Group 3, 4 and 8 securities, each disclosure document relating to the Underlying Certificates.

The Base Offering Circular is available on Ginnie Mae's website located at http:/ / www.ginniemae.gov.

If you do not have access to the internet, call The Chase Manhattan Bank, which will act as information agent for the Trust, at (800) 234-GNMA, to order copies of the Base Offering Circular. You should also call The Chase Manhattan Bank to order copies of any other document listed above.

Please consult the description of Class Types included in the Base Offering Circular as Appendix I and the Glossary included in the Base Offering Circular as Appendix II for definitions of capitalized terms.

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## TERMS SHEET

This terms sheet contains selected information for quick reference only. You should read this Supplement, particularly "Risk Factors," and each of the other documents listed under "Available Information."

Sponsor: Salomon Smith Barney Inc.
Trustee: Bank One Trust Company, N.A.
Tax Administrator: The Trustee
Closing Date: May 30, 2001
Distribution Dates: The Distribution Dates for each Security Group are as follows:

| Security Groups | Distribution Date |
| :---: | :---: |
| Group 2, Group 6 and Group 7 Securities | The 16th day of each month or, if the 16th day is not a Business Day, the first Business Day thereafter, commencing in June 2001 |
| Group 1, Group 5 and Group 9 Securities | The 20th day of each month or, if the 19th day or 20th day is not a Business Day, the first Business Day following the 20th day of each month, commencing in June 2001 |
| Group 3, Group 4 and Group 8 Securities | The first Business Day following the related Underlying REMIC Distribution Date, ${ }^{1}$ commencing in June 2001. |

1 For Group 3 and Group 8 Securities, the "Underlying REMIC Distribution Date" is the 16 th day of each month or, if the 16 th day is not a Business Day, the first Business Day thereafter. For the Group 4 Securities, the "Underlying REMIC Distribution Date" is the 17 th day of each month or, if the 17 th day is not a Business Day, the first Business Day thereafter.

## Trust Assets:

| Trust <br> Asset <br> Group | Trust Asset Type | Certificate Rate |  | Original Term <br> To Maturity <br> (in years) <br> 1 |
| :---: | :---: | :---: | :---: | :---: |

${ }^{1}$ Information regarding the Underlying Certificates and the related Mortgage
Loans is set forth in Exhibits A and B to this Supplement.
Security Groups: This series of Securities consists of multiple Security Groups, as shown on the inside front cover of this Supplement and on Schedule I to this Supplement. Payments on
each Security Group will be based solely on payments on the Trust Asset Group with the same numerical designation.

Assumed Characteristics of the Mortgage Loans Underlying the Group 1, 2, 5, 6, 7 and 9 Trust Assets ${ }^{1}$ :

| Principal Balance | Weighted Average Remaining Term to Maturity (in months) | Weighted Average Loan Age (in months) | Weighted Average Mortgage Rate ${ }^{3}$ |
| :---: | :---: | :---: | :---: |
| Group 1 Trust Assets ${ }^{2}$ |  |  |  |
| \$725,000,000 | 349 | 3 | 7.317\% |
| Group 2 Trust Assets Subgroup 2A |  |  |  |
|  |  |  |  |
| \$ 11,948,862 | 180 | 172 | 9.000\% |
| Subgroup 2B |  |  |  |
| 7,301,872 | 237 | 111 | 9.000\% |
| Subgroup 2C |  |  |  |
| 49,093,267 | 237 | 111 | 9.000\% |
| \$ 68,344,001 |  |  |  |
| Group 5 Trust Assets |  |  |  |
| \$ 15,000,000 | 356 | 2 | 7.287\% |
| Group 6 Trust Assets |  |  |  |
| \$437,500,000 | 296 | 52 | 8.500\% |
| Group 7 Trust Assets |  |  |  |
| \$173,000,000 | 301 | 55 | 8.500\% |
| Group 9 Trust Assets |  |  |  |
| \$ 68,125,696 | 298 | 56 | 8.674\% |
| ${ }^{1}$ As of May 1, 2001. |  |  |  |
| ${ }^{2}$ Does not include Group 1 Trust Assets that will be added to pay the Trustee Fee. |  |  |  |
| 3 The Mortgage Loans underlying the Group 1, Group 5 and Group 9 Trust Assets bear interest at rates ranging from $0.5 \%$ to $1.5 \%$ per annum above the related Certificate Rate. |  |  |  |

The actual remaining terms to maturity, loan ages and, in the case of the Group 1,5 and 9 Trust Assets, Mortgage Rates of many of the Mortgage Loans will differ from the weighted averages shown above, perhaps significantly. See "The Trust Assets - The Mortgage Loans" in this Supplement. See Exhibit A to this Supplement for information regarding the characteristics of the Mortgage Loans included in the Underlying Trusts.

Modification and Exchange: If you own exchangeable Securities you will be able, upon notice and payment of an exchange fee, to exchange them for a proportionate interest in the related Securities shown on Schedule I to this Supplement. See "Description of the Securities - Modification and Exchange" in this Supplement.

Increased Minimum Denomination Classes: Each Class that constitutes a Principal Only, Interest Only or Inverse Floating Rate Class. See "Description of the Securities - Form of Securities" in this Supplement.

Interest Rates: The Interest Rates for the Fixed Rate Classes are shown on the inside cover page of this Supplement or on Schedule I to this Supplement.

The Floating Rate and Inverse Floating Rate Classes will bear interest at per annum rates based on one-month LIBOR (hereinafter referred to as "LIBOR") as follows:

| Class | Interest Rate Formula(1) | Initial Interest Rate(2) | $\xrightarrow{\begin{array}{l}\text { Minimum } \\ \text { Rate }\end{array}}$ | $\begin{gathered} \text { Maximum } \\ \text { Rate } \end{gathered}$ | $\begin{gathered} \text { Delay } \\ \text { (in days) } \\ \hline \end{gathered}$ | LIBOR for Minimum Interest Rate |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| FA | LIBOR + 0.35\% | 4.5000\% | 0.35\% | 8.500000\% | 0 | 0.00\% |
| FD | LIBOR + 0.50\% | 4.9300 | 0.50 | 8.000000 | 0 | 0.00 |
| FG | LIBOR + 0.35\% | 4.7800 | 0.35 | 8.500000 | 0 | 0.00 |
| FJ | LIBOR + 0.35\% | 4.5000 | 0.35 | 8.500000 | 0 | 0.00 |
| FK | LIBOR + 0.35\% | 4.4750 | 0.35 | 8.500000 | 0 | 0.00 |
| FM | LIBOR + 0.35\% | 4.4300 | 0.35 | 8.500000 | 0 | 0.00 |
| PF | LIBOR + 0.92\% | 5.0700 | 0.92 | 9.000000 | 0 | 0.00 |
| PG | 26.453486\% - (LIBOR $\times 3.77907$ ) | 10.7703 | 0.00 | 26.453486 | 0 | 7.00 |
| PS | 21.007998\% - (LIBOR $\times 2.6$ ) | 10.2180 | 0.00 | 21.007998 | 0 | 8.08 |
| PT | $67.333333 \%-($ LIBOR $\times 8.333333)$ | 9.0000 | 0.00 | 9.000000 | 0 | 8.08 |
| SA | 8.15\% - LIBOR | 3.6300 | 0.00 | 8.150000 | 0 | 8.15 |
| SD | 7.50\% - LIBOR | 3.0700 | 0.00 | 7.500000 | 0 | 7.50 |
| SE | 8.15\% - LIBOR | 0.6500 | 0.00 | 0.650000 | 0 | 8.15 |
| SG | 20.375\% - (LIBOR $\times 2.5$ ) | 10.0625 | 0.00 | 20.375000 | 0 | 8.15 |
| SH | 101.875\% - (LIBOR $\times 12.5$ ) | 8.1250 | 0.00 | 8.125000 | 0 | 8.15 |
| SI | $114.1 \%$ - (LIBOR $\times 14$ ) | 9.1000 | 0.00 | 9.100000 | 0 | 8.15 |
| SJ | 8.15\% - LIBOR | 3.7200 | 0.00 | 8.150000 | 0 | 8.15 |
| SK | 8.15\% - LIBOR | 4.0250 | 0.00 | 8.150000 | 0 | 8.15 |
| SM | 8.15\% - LIBOR | 4.0700 | 0.00 | 8.150000 | 0 | 8.15 |
| SO | 20.375\% - (LIBOR $\times 2.5$ ) | 10.1750 | 0.00 | 20.375000 | 0 | 8.15 |
| ST | 130.4\% - (LIBOR $\times 16$ ) | 10.4000 | 0.00 | 10.400000 | 0 | 8.15 |

(1) LIBOR will be established on the basis of the BBA LIBOR method, as described under "Description of the Securities - Interest Distributions - Floating Rate and Inverse Floating Rate Classes" in this Supplement.
(2) The initial Interest Rate will be in effect during the first Accrual Period; the Interest Rate will adjust monthly thereafter.

Allocation of Principal: On each Distribution Date for a Security Group, the following distributions will be made to the related Securities:

## SECURITY GROUP 1

A percentage of the Group 1 Principal Distribution Amount will be applied to the Trustee Fee, and the remainder of the Group 1 Principal Distribution Amount (the "Group 1 Adjusted Principal Distribution Amount") and the ZA Accrual Amount will be allocated as follows:


## SECURITY GROUP 2

The Group 2 Principal Distribution Amount will be allocated as follows:
$\underset{\text { Through }}{\text { Pass }} \boldsymbol{\sim} \quad\left\{\begin{array}{l}\text { • The Group } 2 \text { Principal Distribution Amount attributable to the Subgroup 2C Trust } \\ \text { Assets to FA, until retired } \\ \text { - The Group } 2 \text { Principal Distribution Amount attributable to the Subgroup 2A and } \\ \text { Subgroup 2B Trust Assets to FJ, until retired }\end{array}\right.$

## SECURITY GROUP 3

Structured
Collateral/ $\{$ The Group 3 Principal Distribution Amount will be allocated sequentially to DA, $\underset{\substack{\text { Sequential }}}{\substack{\text { Collateral }}} \mathrm{DB}, \mathrm{DC}$ and DE , in that order, until retired

## SECURITY GROUP 4

$\substack{\text { Structured } \\ \text { Collateral/ } \\ \text { Pass- } \\ \text { Through }}$$\{$ The Group 4 Principal Distribution Amount will be allocated to K, until retired

## SECURITY GROUP 5

sequential $\left\{\begin{array}{l}\text { The Group } 5 \text { Principal Distribution Amount will be allocated sequentially to GA, } \\ \text { GB, GC, GD, GE, GF and GH, in that order, until retired }\end{array}\right.$

## SECURITY GROUP 6

$\underset{\text { Through }}{\substack{\text { Pass }}}\left\{\begin{array}{l}\text { The Group } 6 \text { Principal Distribution Amount will be allocated concurrently to EA, FD } \\ \text { and FG, pro rata, until retired }\end{array}\right.$

## SECURITY GROUP 7

$\underset{\text { Through }}{\substack{\text { Pass }}}\left\{\begin{array}{l}\text { The Group } 7 \text { Principal Distribution Amount will be allocated concurrently to EL and } \\ \text { FK, pro rata, until retired }\end{array}\right.$

## SECURITY GROUP 8

Structured
Collateral/ $\{$ The Group 8 Principal Distribution Amount will be allocated concurrently to PF, PG


## SECURITY GROUP 9

$\underset{\text { Through }}{\substack{\text { Pass- }}}\left\{\begin{array}{l}\text { The Group } 9 \text { Principal Distribution Amount will be allocated concurrently to FM } \\ \text { and SO, pro rata, until retired }\end{array}\right.$
Accrual Class: Interest will accrue on the Accrual Class identified on the inside front cover of this Supplement at the per annum rate set forth on that page. However, no interest will be distributed to the Accrual Class as interest. Interest so accrued on the Accrual Class on each Distribution Date will constitute the ZA Accrual Amount, which will be added to the Class Principal Balance of that Class on each Distribution Date and will be distributable as principal as set forth in this Terms Sheet under "Allocation of Principal."

Notional Classes: The Notional Classes will not receive distributions of principal but have Class Notional Balances for convenience in describing their entitlements to interest. The Class Notional Balance of each Notional Class represents the percentage indicated below of, and reduces to that extent with, the Class Principal Balance indicated:

| Class | Original Class Notional Balance | Represents Approximately |
| :---: | :---: | :---: |
| AI | \$507,570,000 | 100\% of A (SEQ Class) |
| BI | 77,820,000 | $100 \%$ of B, BA and BC (in the aggregate) (SEQ Classes) |
| HI | 112,232,182 | $92.8571428571 \%$ of K (SC/PT Class) |
| SA | 56,395,139 | 100\% of the Subgroup 2B and 2C Trust Assets |
| SD | 415,588,235 | $100 \%$ of FD and FG (in the aggregate) (PT Classes) |
| SE | 350,588,235 | 100\% of FG (PT Class) |
| SJ | 11,948,862 | 100\% of the Subgroup 2A Trust Assets |
| SK. | 162,823,529 | 100\% of FK (PT Class) |
| SM | 54,099,817 | 84.3749995126\% of FM (PT Class) |
| VI | 68,344,001 | * |

* Subsequent to the first Distribution Date, the Notional Balance of Class VI shall be zero.

Tax Status: Double REMIC Series. See "Certain Federal Income Tax Consequences" in this Supplement and in the Base Offering Circular.

Regular and Residual Classes: Class $R R$ is a Residual Class and includes the Residual Interests of the Issuing REMIC and the Pooling REMIC; all other Classes of REMIC Securities are Regular Classes.

## RISK FACTORS

You should purchase securities only if you understand and are able to bear the associated risks. The risks applicable to your investment depend on the principal and interest type of your securities. This section highlights certain of these risks.

The rate of principal payments on the underlying mortgage loans will affect the rate of principal payments on your securities. The rate at which you will receive principal payments will depend largely on the rate of principal payments, including prepayments, on the mortgage loans underlying the related trust assets. We expect the rate of principal payments on the underlying mortgage loans to vary. Borrowers generally may prepay their mortgage loans at any time without penalty.

Rates of principal payments can reduce your yield. The yield on your securities probably will be lower than you expect if:

- you bought your securities at a premium (interest only securities, for example) and principal payments are faster than you expected, or
- you bought your securities at a discount (principal only securities, for example) and principal payments are slower than you expected.

In addition, if your securities are interest only securities or securities purchased at a significant premium, you could lose money on your investment if prepayments occur at a rapid rate.

The level of LIBOR will affect the yields on floating rate and inverse floating rate securities. If LIBOR performs differently from what you expect, the yield on your securities may be lower than you expect. Lower levels of LIBOR will generally reduce the yield on floating rate securities; higher levels of LIBOR will generally reduce the yield on inverse floating rate securities. You should bear in mind that the timing of changes in the level of LIBOR may affect your yield: generally, the earlier a change, the greater the effect on your yield. It's doubtful that LIBOR will remain constant.

An investment in the securities is subject to significant reinvestment risk. The rate of principal payments on your securities is uncertain. You may be unable to reinvest the payments on your securities at the same returns provided by the securities. Lower prevailing interest rates may result in an unexpected return of principal. In that interest rate climate, higher yielding reinvestment opportunities may be limited. Conversely, higher prevailing interest rates may result in slower returns of principal and you may not be able to take advantage of higher yielding investment opportunities. The final payment on your security may occur much earlier than the final distribution date.

The rate of principal payments on the Underlying Certificates will directly affect the rate of principal payments on the group 3, group 4 and group 8 Securities. The Underlying Certificates will be sensitive in varying degrees to

- the rate of payments of principal (including prepayments) of the related mortgage loans, and
- the priorities for the distribution of principal among the classes of the related underlying series.

As described in the related underlying REMIC disclosure documents, the Underlying Certificates included in trust asset group 8 are not entitled to distributions of principal until certain classes of the related underlying series have been retired and, accordingly, distributions of principal of the related mortgage loans for extended periods may be applied to the distribution of principal of those classes of certificates having priority over the Underlying Certificates. Accordingly, certain Underlying Certificates may receive no principal distributions for extended periods of time or may receive
principal payments that vary widely from period to period.

In addition, the principal entitlement of the Underlying Certificates included in trust asset groups 3 and 8 on any payment date is calculated on the basis of schedules; no assurance can be given that Underlying Certificates will adhere to their schedules. Further, prepayments on the related mortgage loans may have occurred at rates faster or slower than those initially assumed.

This supplement contains no information as to whether the Underlying Certificates included in trust asset groups 3 and 8 have adhered to their principal balance schedules, whether any related supporting classes remain outstanding or whether the Underlying Certificates otherwise have performed as originally anticipated. Additional information as to the Underlying Certificates may be obtained by performing an analysis of current principal factors of the Underlying Certificates in light of applicable information contained in the related underlying REMIC disclosure documents.

The securities may not be a suitable investment for you. The securities, especially the group 3, group 4 and group 8 securities and, in particular, the interest only,principal only,inverse floating rate, accrual and residual classes, are not suitable investments for all investors.

In addition, although the sponsor intends to make a market for the purchase and sale of the securities after their initial issuance, it has no obligation to do so. There is no assurance that a secondary market will develop, that any secondary market will continue, or that the price at which you can sell an investment in any class will enable you to realize a desired yield on that investment.

You will bear the market risks of your investment. The market values of the classes are
likely to fluctuate. These fluctuations may be significant and could result in significant losses to you.

The secondary markets for mortgage-related securities have experienced periods of illiquidity and can be expected to do so in the future. Illiquidity can have a severely adverse effect on the prices of classes that are especially sensitive to prepayment or interest rate risk or that have been structured to meet the investment requirements of limited categories of investors.

The residual securities may experience significant adverse tax timing consequences. Accordingly, you are urged to consult tax advisors and to consider the after-tax effect of ownership of a residual security and the suitability of the residual securities to your investment objectives. See "Certain Federal Income Tax Consequences" in this supplement and in the base offering circular.

You are encouraged to consult advisors regarding the financial, legal, tax and other aspects of an investment in the securities. You should not purchase the securities of any class unless you understand and are able to bear the prepayment, yield, liquidity and market risks associated with that class.

The actual characteristics of the underlying mortgage loans will affect the weighted average lives and yields of your securities.
The yield and prepayment tables in this supplement are based on assumed characteristics which are likely to be different from the actual characteristics. As a result, the yields on your securities could be lower than you expected, even if the mortgage loans prepay at the constant prepayment rates set forth in the applicable table.

It is highly unlikely that the underlying mortgage loans will prepay at any of the prepayment rates assumed in this supplement, or at any constant prepayment rate.

## THE TRUST ASSETS

## General

The Sponsor intends to acquire the Trust Assets in privately negotiated transactions prior to the Closing Date and to sell them to the Trust according to the terms of a Trust Agreement between the Sponsor and the Trustee. The Sponsor will make certain representations and warranties with respect to the Trust Assets. All Trust Assets, regardless of whether the assets consist of Trust MBS or Underlying Certificates, will evidence, directly or indirectly, Ginnie Mae Certificates.

The Trust MBS (Group 1, Group 2, Group 5, Group 6, Group 7 and Group 9)
The Group 2, 6 and 7 Trust Assets are either:

1. Ginnie Mae I MBS Certificates guaranteed by Ginnie Mae, or
2. Ginnie Mae Platinum Certificates backed by Ginnie Mae I MBS Certificates and guaranteed by Ginnie Mae.

Each Mortgage Loan underlying a Ginnie Mae I MBS Certificate bears interest at a Mortgage Rate $0.50 \%$ per annum greater than the related Certificate Rate. The difference between the Mortgage Rate and the Certificate Rate is used to pay the related servicers of the Mortgage Loans a monthly servicing fee and Ginnie Mae a fee for its guaranty of the Ginnie Mae I MBS Certificate of $0.44 \%$ per annum and $0.06 \%$ per annum, respectively, of the outstanding principal balance of the Mortgage Loan.

The Group 1, 5 and 9 Trust Assets are either:

1. Ginnie Mae II MBS Certificates guaranteed by Ginnie Mae, or
2. Ginnie Mae Platinum Certificates backed by Ginnie Mae II MBS Certificates and guaranteed by Ginnie Mae.

Each Mortgage Loan underlying a Ginnie Mae II MBS Certificate bears interest at a Mortgage Rate $0.50 \%$ to $1.50 \%$ per annum greater than the related Certificate Rate. Ginnie Mae receives a fee (the "Ginnie Mae Certificate Guaranty Fee") for its guaranty of each Ginnie Mae II MBS Certificate of $0.06 \%$ per annum of the outstanding principal balance of each related Mortgage Loan. The difference between (a) the Mortgage Rate and (b) the sum of the Certificate Rate and the Ginnie Mae Certificate Guaranty Fee is used to pay the related servicers of the Mortgage Loans a monthly servicing fee.

## The Underlying Certificates (Group 3, Group 4 and Group 8)

The Group 3, 4 and 8 Trust Assets are Underlying Certificates that represent beneficial ownership interests in separate trusts (each, an "Underlying Trust"), the assets of which evidence direct or indirect beneficial ownership interests in certain Ginnie Mae Certificates. Each Underlying Certificate constitutes all or a portion of a class of a separate series of certificates (each, an "Underlying Series") described in the related Underlying REMIC Disclosure Documents, excerpts of which are attached as Exhibit B to this Supplement. Each Underlying REMIC Disclosure Document may be obtained from the Information Agent as described under "Available Information." Investors are cautioned that material changes in facts and circumstances may have occurred since the date of each Underlying REMIC Disclosure Document, including changes in prepayment rates, prevailing interest rates and other economic factors, which may limit the usefulness of, and be directly contrary to the assumptions
used in preparing the information included in, the offering document. See "Underlying Certificates" in the Base Offering Circular.

Each Underlying Certificate provides for monthly distributions and is further described in the table contained in Exhibit A to this Supplement. The table also sets forth information regarding approximate weighted average remaining terms to maturity, loan ages and mortgage rates of the Mortgage Loans underlying the related Ginnie Mae Certificates.

## The Mortgage Loans

The Mortgage Loans underlying the Group 1, 2, 5, 6, 7 and 9 Trust Assets are expected to have, on a weighted average basis, the characteristics set forth in the Terms Sheet under "Assumed Characteristics of the Mortgage Loans Underlying the Group 1, 2, 5, 6, 7 and 9 Trust Assets" and the general characteristics described in the Base Offering Circular. The Mortgage Loans underlying the Underlying Certificates are expected to have, on a weighted average basis, the characteristics set forth in Exhibit A to this Supplement. The Mortgage Loans will consist of first lien, single-family, fixed rate, residential mortgage loans that are insured or guaranteed by the Federal Housing Administration, the United States Department of Veterans Affairs, the Rural Housing Service or the United States Department of Housing and Urban Development ("HUD"). See "The Ginnie Mae Certificates - General" in the Base Offering Circular.

Specific information regarding the characteristics of the Mortgage Loans is not available. For purposes of this Supplement, certain assumptions have been made regarding the remaining terms to maturity, loan ages and, in the case of the Group 1, 5 and 9 Trust Assets, Mortgage Rates of the Mortgage Loans. However, the actual remaining terms to maturity, loan ages and, in the case of the Group 1, 5 and 9 Trust Assets, Mortgage Rates of many of the Mortgage Loans will differ from the characteristics assumed, perhaps significantly. This will be the case even if the weighted average characteristics of the Mortgage Loans are the same as the assumed characteristics. Small differences in the characteristics of the Mortgage Loans can have a significant effect on the weighted average lives and yields of the Securities. See "Risk Factors" and "Yield, Maturity and Prepayment Considerations" in this Supplement.

## The Trustee Fee

On each Distribution Date, the Trustee will retain a fixed percentage of all principal and interest distributions received on specified Trust Assets in payment of its fee (the "Trustee Fee").

## GINNIE MAE GUARANTY

The Government National Mortgage Association ("Ginnie Mae"), a wholly-owned corporate instrumentality of the United States of America within HUD, guarantees the timely payment of principal and interest on the Securities (the "Ginnie Mae Guaranty"). The General Counsel of HUD has provided an opinion to the effect that Ginnie Mae has the authority to guarantee multiclass securities and that Ginnie Mae guaranties will constitute general obligations of the United States, for which the full faith and credit of the United States is pledged. See "Ginnie Mae Guaranty" in the Base Offering Circular.

## DESCRIPTION OF THE SECURITIES

## General

The description of the Securities contained in this Supplement is not complete and is subject to, and is qualified in its entirety by reference to, all of the provisions of the Trust Agreement. See "Description of the Securities" in the Base Offering Circular.

## Form of Securities

Each Class of Securities (other than the Residual Securities) initially will be issued and maintained in Book-Entry Form and may be transferred only on the book-entry system of the MBS Division of The Depository Trust Company (together with any successor, the "Book-Entry Depository"'). Beneficial Owners of Securities in Book-Entry Form will ordinarily hold these Securities through one or more financial intermediaries, such as banks, brokerage firms and securities clearing organizations. By request accompanied by the payment of a transfer fee of $\$ 25,000$ per physical certificate to be issued, a Beneficial Owner may receive a Regular Security in certificated form.

The Residual Securities will not be issued in Book-Entry Form but will be issued in fully registered, certificated form and may be transferred or exchanged, subject to the transfer restrictions applicable to Residual Securities set forth in the Trust Agreement, at the Corporate Trust Office of the Trustee. See "Description of the Securities - Forms of Securities; Book-Entry Procedures" in the Base Offering Circular.

Each Class (other than the Increased Minimum Denomination Classes) will be issued in minimum dollar denominations of initial principal balance of $\$ 1,000$ and integral multiples of
$\$ 1$ in excess of $\$ 1,000$. The Increased Minimum Denomination Classes will be issued in the following minimum denominations:


See Schedule I to this Supplement for the increased minimum denominations of the MX Classes.

## Distributions

Distributions on each Class of Securities will be made on each Distribution Date for that Class, as specified under "Terms Sheet - Distribution Dates" in this Supplement. On each Distribution Date, the Trustee will distribute the Distribution Amount to Holders of record as of the close of business on the last Business Day of the calendar month immediately preceding the month in which the Distribution Date occurs (each, a "Record Date"). For Book-Entry Securities, the Trustee will distribute principal and interest to the Book-Entry Depository, and Beneficial Owners will receive distributions through credits to accounts maintained for their benefit on the books and records of appropriate financial intermediaries. See "Description of the Securities - Distributions" and "—Method of Distributions" in the Base Offering Circular.

## Interest Distributions

On each Distribution Date, the Interest Distribution Amount will be distributed to the Holders of all Classes of Securities entitled to distributions of interest.

- Interest will be calculated on the basis of a 360-day year consisting of twelve 30-day months.
- Interest distributable on any Class on any Distribution Date will consist of 30 days' interest on its Class Principal Balance (or Class Notional Balance) as of the related Record Date.
- Investors can calculate the amount of interest to be distributed on each Class of Securities on any Distribution Date by using the Class Factors published in the preceding month. See "- Class Factors" below.


## Categories of Classes

For purposes of interest distributions, the Classes will be categorized as shown under "Interest Type" on the inside cover page of this Supplement and on Schedule I to this

Supplement. The abbreviations used on the inside cover page and on Schedule I to this Supplement are explained under "Class Types" in Appendix I to the Base Offering Circular.

Accrual Periods
The Accrual Period for each Class is set forth in the table below:

Classes
Fixed Rate Classes (other than Class VI)
Group 2, 6 and
7 Classes

Group 9 Classes

Group 8 Classes

## Accrual Period

The calendar month preceding the related Distribution Date

From the 16th day of the month preceding the month of the related Distribution Date through the 15 th day of the month of that Distribution Date
From the 20th day of the month preceding the month of the related Distribution Date through the 19th day of the month of that Distribution Date
From the 17 th day of the month preceding the month of the related Distribution Date through the 16th day of the month of that Distribution Date

## Fixed Rate Classes

Each Fixed Rate Class will bear interest at the per annum Interest Rate shown on the inside cover page of this Supplement or on Schedule I to this Supplement.

## Accrual Class

Class ZA is an Accrual Class. Interest will accrue on the Accrual Class and be distributed as described under "Terms Sheet - Accrual Class" in this Supplement.

Floating Rate and Inverse Floating Rate Classes
The Floating Rate and Inverse Floating Rate Classes will bear interest as shown under "Terms Sheet - Interest Rates" in this Supplement. The Interest Rates for the Floating Rate and Inverse Floating Rate Classes will be based on LIBOR. LIBOR will be determined based on the BBA LIBOR method, as described under "Description of the Securities - Interest Rate Indices - Determination of LIBOR - BBA LIBOR" in the Base Offering Circular.

For information regarding the manner in which the Trustee determines LIBOR and calculates the Interest Rates for the Floating Rate and Inverse Floating Rate Classes, see "Description of the Securities - Interest Rate Indices - Determination of LIBOR" in the Base Offering Circular.

The Trustee's determination of LIBOR and its calculation of the Interest Rates will be final, except in the case of clear error. Investors can obtain LIBOR levels and Interest Rates for the current and preceding Accrual Periods from gREX or by calling the Information Agent at (800) 234-GNMA.

## Principal Distributions

The Adjusted Principal Distribution Amount for Security Group 1, the Principal Distribution Amount for Security Groups 2, 3, 4, 5, 6, 7, 8 and 9 and the ZA Accrual Amount will be distributed to the Holders entitled thereto as described above under "Terms Sheet - Allocation of Principal." The ZA Accrual Amount will be applied before the related Principal

Distribution Amount. Investors can calculate the amount of principal to be distributed with respect to any Distribution Date by using the Class Factors published in the preceding and current months. See "- Class Factors" below.

## Categories of Classes

For purposes of principal distributions, the Classes will be categorized as shown under "Principal Type" on the inside cover page of this Supplement and on Schedule I to this Supplement. The abbreviations used on the inside cover page and on Schedule I to this Supplement are explained under "Class Types" in Appendix I to the Base Offering Circular.

## Notional Classes

The Notional Classes will not receive principal distributions. For convenience in describing interest distributions, the Notional Classes will have the original Class Notional Balances shown on the inside cover page of this Supplement and on Schedule I to this Supplement. The Class Notional Balances will reduce as shown under "Terms Sheet - Notional Classes" in this Supplement.

## Residual Securities

The Class RR Securities will represent the beneficial ownership of the Residual Interest in the Issuing REMIC and the beneficial ownership of the Residual Interest in the Pooling REMIC, as described under "Certain Federal Income Tax Consequences" in the Base Offering Circular. The Class RR Securities have no Class Principal Balance and do not accrue interest. The Class RR Securities will be entitled to receive the proceeds of the disposition of any assets remaining in the Trust REMICs after the Class Principal Balance of each Class of Regular Securities has been reduced to zero. However, any remaining proceeds are not likely to be significant. The Residual Securities may not be transferred to a Plan Investor, a Non-U.S. Person or a Disqualified Organization.

## Class Factors

The Trustee will calculate and make available for each Class of Securities, no later than the day preceding the applicable Distribution Date, the factor (carried out to eight decimal places) that when multiplied by the Original Class Principal Balance (or original Class Notional Balance) of that Class, determines the Class Principal Balance (or Class Notional Balance) after giving effect to the distribution of principal to be made on the Securities (and any addition to the Class Principal Balance of the Accrual Class) on that Distribution Date (each, a "Class Factor").

- The Class Factor for each Class for the month of issuance is 1.00000000 .
- The Class Factor for any Class of Securities for any month following the issuance of the Securities will reflect its remaining Class Principal Balance (or Class Notional Balance) after giving effect to any principal distribution (or addition to principal) to be made on the Distribution Date occurring in that month.
- The Class Factors for the MX Classes and the Classes of REMIC Securities that are exchangeable for the MX Classes will be calculated assuming that the maximum possible amount of each Class is outstanding at all times, regardless of any exchanges that may occur.
- Based on the Class Factors published each month (and Interest Rates), investors in any Class (other than an Accrual Class) can calculate the amount of principal and interest to be distributed to that Class, and investors in the Accrual Class can calculate the total
amount of principal and interest to be distributed to (or interest to be added to the Class Principal Balance of) that Class.
- Investors may obtain current Class Factors on gREX.

See "Description of the Securities - Distributions" in the Base Offering Circular.

## Trading

For the sole purpose of facilitating trading and settlement, Classes EA and EL will be treated as non-delay classes.

## Termination

The Trustee, at its option, may purchase or cause the sale of the Trust Assets and thereby terminate the Trust on any Distribution Date on which the aggregate of the Class Principal Balances of the Securities is less than $1 \%$ of the aggregate Original Class Principal Balances of the Securities. The Trustee will terminate the Trust and retire the Securities on any Distribution Date upon the Trustee's determination that the REMIC status of either Trust REMIC has been lost or that a substantial risk exists that this status will be lost for the then current taxable year.

Upon any termination of the Trust, the Holder of any outstanding Security will be entitled to receive that Holder's allocable share of the Class Principal Balance of that Class plus any accrued and unpaid interest thereon at the applicable Interest Rate, and any Holder of any Notional Class will be entitled to receive that Holder's allocable share of any accrued and unpaid interest thereon at the applicable Interest Rate. The Residual Holders will be entitled to their pro rata share of any assets remaining in the Trust REMICs after payment in full of the amounts described in the foregoing sentence. However, any remaining assets are not likely to be significant.

## Modification and Exchange

All or a portion of the Classes of REMIC Securities specified on the inside cover page may be exchanged for a proportionate interest in the related MX Class or Classes shown on Schedule I to this Supplement. Similarly, all or a portion of the related MX Class or Classes may be exchanged for proportionate interests in the related Class or Classes of REMIC Securities and, in the case of Combination 7, other related MX Classes. This process may occur repeatedly.

Each exchange may be effected only in proportions that result in the principal and interest entitlements of the Securities received being equal to the entitlements of the Securities surrendered.

In the case of Combinations 6, 7 and 8 set forth on Schedule I to this Supplement, the Class A, CE and K Securities may be exchanged for proportionate interests in various subcombinations of MX Classes. Similarly, all or a portion of these MX Classes may be exchanged for proportionate interests in the related REMIC Securities or in other subcombinations of the MX Classes. Each subcombination may be effected only in proportions that result in the principal and interest entitlements of the Securities received being equal to the entitlements of the Securities surrendered. See the example under "Description of the Securities - Modification and Exchange" in the Base Offering Circular.

A Beneficial Owner proposing to effect an exchange must notify the Trustee through the Beneficial Owner's Book Entry Depository participant. This notice must be received by the Trustee not later than two Business Days before the proposed exchange date. The exchange date can be any Business Day other than the last Business Day of the month. The notice must contain the outstanding principal balance of the Securities to be included in the exchange and
the proposed exchange date. The notice is required to be delivered to the Trustee in writing at its Corporate Trust Office, Bank One Trust Company, N.A., 153 W. 51st Street, 6th Floor, New York, New York 10019, Attention: Trust Administrator Ginnie Mae 2001-22. The Trustee may be contacted by telephone at (212) 373-1139 and by fax at (212) 373-1384.

A fee will be payable to the Trustee in connection with each exchange equal to $1 / 32$ of $1 \%$ of the outstanding principal balance (or notional balance) of the Securities surrendered for exchange (but not less than $\$ 2,000$ or more than $\$ 25,000$ ); provided, however that no fee will be payable in respect of an interest only security. The fee must be paid not later than two business days prior to the exchange.

The first distribution on a REMIC Security or an MX Security received in an exchange will be made on the Distribution Date in the month following the month of the exchange. The distribution will be made to the Holder of record as of the Record Date in the month of exchange.

See "Description of the Securities - Modification and Exchange" in the Base Offering Circular.

## YIELD, MATURITY AND PREPAYMENT CONSIDERATIONS

## General

The prepayment experience of the Mortgage Loans underlying the Trust Assets will affect the Weighted Average Lives of and the yields realized by investors in the related Class or Classes of Securities.

- The Mortgage Loans do not contain "due-on-sale" provisions, and any Mortgage Loan may be prepaid in full or in part at any time without penalty.
- The rate of payments (including prepayments and payments in respect of liquidations) on the Mortgage Loans is dependent on a variety of economic, geographic, social and other factors, including prevailing market interest rates and general economic factors.

The rate of prepayments with respect to single-family mortgage loans has fluctuated significantly in recent years. Although there is no assurance that prepayment patterns for the Mortgage Loans will conform to patterns for more traditional types of conventional fixed-rate mortgage loans, generally:

- if mortgage interest rates fall materially below the Mortgage Rates on any of the Mortgage Loans (giving consideration to the cost of refinancing), the rate of prepayment of those Mortgage Loans would be expected to increase; and
- if mortgage interest rates rise materially above the Mortgage Rates on any of the Mortgage Loans, the rate of prepayment of those Mortgage Loans would be expected to decrease.

In addition, following any Mortgage Loan default and the subsequent liquidation of the underlying Mortgaged Property, the principal balance of the Mortgage Loan will be distributed through a combination of liquidation proceeds, Ginnie Mae Issuer advances and, to the extent necessary, proceeds of Ginnie Mae's guaranty of the Ginnie Mae Certificates. As a result, a high level of defaults experienced on the Mortgage Loans will accelerate the distribution of principal of the Securities.

Under certain circumstances, the Trustee has the option to purchase the Trust's assets, thereby effecting early retirement of the Securities. See "Description of the Securities Termination" in this Supplement.

Investors in the Group 3, 4 and 8 Securities are urged to review the discussion under "Risk Factors - The rate of principal payments on the Underlying Certificates will directly affect the rate of principal payments on the group 3, group 4 and group 8 securities' in this Supplement.

## Accretion Directed Classes

Classes VA and VB are Accretion Directed Classes. The ZA Accrual Amount will be applied to making principal distributions on those Classes as described in this Supplement.

Because Class VA and Class VB are entitled to principal payments in an amount equal to interest accrued on the Accrual Class, the Weighted Average Life of that Class cannot exceed its Weighted Average Life as shown in the following table under any prepayment scenario, even a scenario where there are no prepayments.

- Moreover, based on the Modeling Assumptions, if the related Mortgage Loans prepay at any constant rate at or below the rate for an Accretion Directed Class shown in the table below, its Class Principal Balance would be reduced to zero on, but not before, its Final Distribution Date, and its Weighted Average Life would equal its maximum Weighted Average Life.
- However, the Weighted Average Lives of Classes VA and VB, will be reduced, and may be reduced significantly, at prepayment speeds higher than the constant rates shown in the table below. See "Yield, Maturity and Prepayment Considerations - Decrement Tables" in this Supplement.


## Accretion Directed Classes

| Class | Maximum Weighted Average Life (in Years) | Final Distribution Date | Prepayment Rate at or below |
| :---: | :---: | :---: | :---: |
| VA | 4.9 | June 2010 | 287\% PSA |
| VB | 12.7 | April 2017 | 139\% PSA |

The Mortgage Loans will have characteristics that differ from those of the Modeling Assumptions. Therefore, even if the related Mortgage Loans prepay at a rate at or somewhat below the "at or below" rate shown for any Accretion Directed Class, the Class Principal Balance of that Class could be reduced to zero before its Final Distribution Date, and its Weighted Average Life could be shortened.

## Assumability

Each Mortgage Loan is subject to assumption upon the sale of the related Mortgaged Property. See "Yield, Maturity and Prepayment Considerations - Assumability of Government Loans" in the Base Offering Circular.

## Final Distribution Date

The Final Distribution Date for each Class, which is set forth on the inside cover page of this Supplement or on Schedule I to this Supplement, is the latest date on which the related Class Principal Balance or Class Notional Balance will be reduced to zero.

- The actual retirement of any Class may occur earlier than its Final Distribution Date.
- According to the terms of the Ginnie Mae Guaranty, Ginnie Mae will guarantee payment in full of the Class Principal Balance of each Class of Securities no later than its Final Distribution Date.


## Modeling Assumptions

Unless otherwise indicated, the tables that follow have been prepared on the basis of the characteristics of the Underlying Certificates, the priorities of distributions on the Underlying Certificates and the following assumptions (the "Modeling Assumptions"), among others:

1. The Mortgage Loans underlying the Group 1, 2, 5, 6, 7 and 9 Trust Assets have the assumed characteristics shown under "Assumed Characteristics of the Mortgage Loans Underlying the Group 1, 2, 5, 6, 7 and 9 Trust Assets" in the Terms Sheet, except in the case of information set forth under the 0\% PSA Prepayment Assumption Rate, for which each Mortgage Loan is assumed to have an original and a remaining term to maturity of 360 months and each Mortgage Loan underlying a Group 1,5 and 9 Trust Asset is assumed to have a Mortgage Rate of $1.5 \%$ per annum higher than the related Certificate Rate.
2. The Mortgage Loans prepay at the constant percentages of PSA (described below) shown in the related table.
3. Distributions on the Group 2, 6 and 7 Securities are always received on the 16 th day of the month, whether or not a Business Day, commencing in June 2001. Distributions on the Group 1, 5 and 9 Securities are always received on the 20 th day of the month, whether or not a Business Day, commencing in June 2001. Distributions on the Group 3 and 8 Securities are always received on the 17 th day of the month, whether or not a Business Day, commencing in June 2001. Distributions on the Group 4 Securities are always received on the 18 th day of the month, whether or not a Business Day, commencing in June 2001.
4. A termination of the Trust or the Underlying Trusts does not occur.
5. The Closing Date for the Securities is May 30, 2001.
6. No expenses or fees are paid by the Trust.
7. Distributions on the Underlying Certificates are made as described in the related Underlying REMIC Disclosure Documents.
8. Each Class is held from the Closing Date and is not exchanged in whole or in part.

When reading the tables and the related text, investors should bear in mind that the Modeling Assumptions, like any other stated assumptions, are unlikely to be entirely consistent with actual experience.

- For example, most of the Mortgage Loans will not have the characteristics assumed, many Distribution Dates will occur on a Business Day after the 16 th, 17 th, 18 th or 20 th day of the month, as applicable, and the Trustee may cause a termination of the Trust as described under "Description of the Securities - Termination" in this Supplement.
- In addition, distributions on the Securities are based on Certificate Factors and Calculated Certificate Factors, if applicable, which may not reflect actual receipts on the Trust Assets.

See "Description of the Securities - Distributions" in the Base Offering Circular.

## Decrement Tables

Prepayments of mortgage loans are commonly measured by a prepayment standard or model. The model used in this Supplement ("PSA") is the standard prepayment assumption model of The Bond Market Association. PSA represents an assumed rate of prepayment each month relative to the then outstanding principal balance of the Mortgage Loans to which the model is applied. See "Yield, Maturity and Prepayment Considerations - Standard Prepayment Assumption Models" in the Base Offering Circular.

The decrement tables set forth below are based on the assumption that the Mortgage Loans prepay at the indicated percentages of PSA (the "PSA Prepayment Assumption Rates"). As used in the table, each of the PSA Prepayment Assumption Rates reflects a percentage of the $100 \%$ PSA assumed prepayment rate. The Mortgage Loans will not prepay at any of the PSA Prepayment Assumption Rates and the timing of changes in the rate of prepayments actually experienced on the Mortgage Loans will not follow the pattern described for the PSA assumption.

The decrement tables set forth below illustrate the percentage of the Original Class Principal Balance (or, in the case of a Notional Class, the original Class Notional Balance) that would remain outstanding following the distribution made each specified month for each Regular or MX Class, based on the assumption that the related Mortgage Loans prepay at the PSA Prepayment Assumption Rates. The percentages set forth in the following decrement tables have been rounded to the nearest whole percentage (including rounding down to zero).

The decrement tables also indicate the Weighted Average Life of each Class under each PSA Prepayment Assumption Rate. The Weighted Average Life of each Class is calculated by:
(a) multiplying the net reduction, if any, of the Class Principal Balance (or the net reduction of the Class Notional Balance, in the case of any Notional Class) from one Distribution Date to the next Distribution Date by the number of years from the date of issuance thereof to the related Distribution Date,
(b) summing the results, and
(c) dividing the sum by the aggregate amount of the assumed net reductions in principal balance or notional amount, as applicable, referred to in clause (a).

The information shown for each Notional Class is for illustrative purposes only, as Notional Classes are not entitled to distributions of principal and have no weighted average lives. The weighted average life shown for each Notional Class has been calculated on the assumption that a reduction in the Class Notional Balance thereof is a distribution of principal.

The Weighted Average Lives are likely to vary, perhaps significantly, from those set forth in the tables below due to the differences between the actual characteristics of the Mortgage Loans underlying the related Trust Assets and the Modeling Assumptions.

## Percentages of Original Class Principal Balances and Weighted Average Lives

| Distribution Date | Security Group 1 <br> PSA Prepayment Assumption Rates |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Classes A, AB, AC, AD, AE, AF, AG, AH, AI, AJ, AK and AP |  |  |  |  | Class B |  |  |  |  | Class BA |  |  |  |  | Class BC |  |  |  |  |
|  | 0\% | 100\% | 164\% | 275\% | 400\% | 0\% | 100\% | 164\% | 275\% | 400\% | 0\% | 100\% | 164\% | 275\% | 400\% | 0\% | 100\% | 164\% | 275\% | 400\% |
| Initial Percent | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| May 2002 | 99 | 96 | 94 | 91 | 88 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| May 2003 | 98 | 88 | 83 | 74 | 64 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| May 2004 | 96 | 79 | 69 | 54 | 38 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| May 2005 | 95 | 70 | 57 | 37 | 17 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| May 2006 | 93 | 62 | 46 | 23 | 2 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| May 2007 | 91 | 54 | 36 | 11 | 0 | 100 | 100 | 100 | 100 | 0 | 100 | 100 | 100 | 100 | 61 | 100 | 100 | 100 | 100 | 100 |
| May 2008 | 89 | 47 | 27 | 1 | 0 | 100 | 100 | 100 | 100 | 0 | 100 | 100 | 100 | 100 | 0 | 100 | 100 | 100 | 100 | 0 |
| May 2009 | 87 | 40 | 19 | 0 | 0 | 100 | 100 | 100 | 0 | 0 | 100 | 100 | 100 | 95 | 0 | 100 | 100 | 100 | 100 | 0 |
| May 2010 | 85 | 33 | 12 | 0 | 0 | 100 | 100 | 100 | 0 | 0 | 100 | 100 | 100 | 1 | 0 | 100 | 100 | 100 | 100 | 0 |
| May 2011 | 82 | 27 | 5 | 0 | 0 | 100 | 100 | 100 | 0 | 0 | 100 | 100 | 100 | 0 | 0 | 100 | 100 | 100 | 0 | 0 |
| May 2012 | 80 | 21 | 0 | 0 | 0 | 100 | 100 | 90 | 0 | 0 | 100 | 100 | 100 | 0 | 0 | 100 | 100 | 100 | 0 | 0 |
| May 2013 | 77 | 16 | 0 | 0 | 0 | 100 | 100 | 8 | 0 | 0 | 100 | 100 | 100 | 0 | 0 | 100 | 100 | 100 | 0 | 0 |
| May 2014 | 74 | 10 | 0 | 0 | 0 | 100 | 100 | 0 | 0 | 0 | 100 | 100 | 41 | 0 | 0 | 100 | 100 | 100 | 0 | 0 |
| May 2015 | 70 | 6 | 0 | 0 | 0 | 100 | 100 | 0 | 0 | 0 | 100 | 100 | 0 | 0 | 0 | 100 | 100 | 33 | 0 | 0 |
| May 2016 | 67 | 1 | 0 | 0 | 0 | 100 | 100 | 0 | 0 | 0 | 100 | 100 | 0 | 0 | 0 | 100 | 100 | 0 | 0 | 0 |
| May 2017 | 63 | 0 | 0 | 0 | 0 | 100 | 46 | 0 | 0 | 0 | 100 | 100 | 0 | 0 | 0 | 100 | 100 | 0 | 0 | 0 |
| May 2018 | 59 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 100 | 83 | 0 | 0 | 0 | 100 | 100 | 0 | 0 | 0 |
| May 2019 | 54 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 100 | 27 | 0 | 0 | 0 | 100 | 100 | 0 | 0 | 0 |
| May 2020 | 49 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 100 | 11 | 0 | 0 | 0 |
| May 2021 | 44 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| May 2022 | 38 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| May 2023 | 31 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| May 2024 | 24 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| May 2025 | 17 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| May 2026 | 9 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| May 2027 | 0 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| May 2028 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 57 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| May 2029 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2030 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2031 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Weighted Average |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

Security Group 1
PSA Prepayment Assumption Rates

|  | Class VA |  |  |  |  | Class VB |  |  |  |  | Class ZA |  |  |  |  | Class C |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Distribution Date | 0\% | 100\% | 164\% | 275\% | 400\% | 0\% | 100\% | 164\% | 275\% | 400\% | 0\% | 100\% | 164\% | 275\% | 400\% | 0\% | 100\% | 164\% | 275\% | 400\% |
| Initial Percent | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| May 2002 | 92 | 92 | 92 | 92 | 92 | 100 | 100 | 100 | 100 | 100 | 107 | 107 | 107 | 107 | 107 | 99 | 96 | 94 | 92 | 88 |
| May 2003 | 83 | 83 | 83 | 83 | 83 | 100 | 100 | 100 | 100 | 100 | 114 | 114 | 114 | 114 | 114 | 98 | 89 | 84 | 75 | 66 |
| May 2004 | 73 | 73 | 73 | 73 | 73 | 100 | 100 | 100 | 100 | 100 | 121 | 121 | 121 | 121 | 121 | 96 | 80 | 71 | 56 | 41 |
| May 2005 | 63 | 63 | 63 | 63 | 63 | 100 | 100 | 100 | 100 | 100 | 130 | 130 | 130 | 130 | 130 | 95 | 72 | 60 | 40 | 22 |
| May 2006 | 52 | 52 | 52 | 52 | 52 | 100 | 100 | 100 | 100 | 100 | 138 | 138 | 138 | 138 | 138 | 93 | 64 | 49 | 27 | 8 |
| May 2007 | 40 | 40 | 40 | 40 | 40 | 100 | 100 | 100 | 100 | 100 | 148 | 148 | 148 | 148 | 148 | 92 | 57 | 40 | 16 | 0 |
| May 2008 | 28 | 28 | 28 | 28 | 0 | 100 | 100 | 100 | 100 | 99 | 157 | 157 | 157 | 157 | 157 | 90 | 50 | 31 | 7 | 0 |
| May 2009 | 14 | 14 | 14 | 14 | 0 | 100 | 100 | 100 | 100 | 23 | 168 | 168 | 168 | 168 | 168 | 88 | 43 | 24 | 0 | 0 |
| May 2010 | 0 | 0 | 0 | 0 | 0 | 100 | 100 | 100 | 100 | 0 | 179 | 179 | 179 | 179 | 142 | 86 | 37 | 17 | 0 | 0 |
| May 2011 | 0 | 0 | 0 | 0 | 0 | 88 | 88 | 88 | 54 | 0 | 191 | 191 | 191 | 191 | 106 | 84 | 31 | 11 | 0 | 0 |
| May 2012 | 0 | 0 | 0 | 0 | 0 | 75 | 75 | 75 | 0 | 0 | 204 | 204 | 204 | 199 | 78 | 81 | 26 | 5 | 0 | 0 |
| May 2013 | 0 | 0 | 0 | 0 | 0 | 62 | 62 | 62 | 0 | 0 | 218 | 218 | 218 | 162 | 58 | 78 | 21 | 0 | 0 | 0 |
| May 2014 | 0 | 0 | 0 | 0 | 0 | 47 | 47 | 47 | 0 | 0 | 232 | 232 | 232 | 131 | 43 | 75 | 16 | 0 | 0 | 0 |
| May 2015 | 0 | 0 | 0 | 0 | 0 | 31 | 31 | 31 | 0 | 0 | 248 | 248 | 248 | 106 | 31 | 72 | 11 | 0 | 0 | 0 |
| May 2016 | 0 | 0 | 0 | 0 | 0 | 15 | 15 | 0 | 0 | 0 | 264 | 264 | 248 | 85 | 23 | 69 | 7 | 0 | 0 | 0 |
| May 2017 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 279 | 279 | 214 | 68 | 17 | 65 | 3 | 0 | 0 | 0 |
| May 2018 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 279 | 279 | 184 | 54 | 12 | 61 | 0 | 0 | 0 | 0 |
| May 2019 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 279 | 279 | 157 | 43 | 9 | 57 | 0 | 0 | 0 | 0 |
| May 2020 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 279 | 279 | 133 | 33 | 6 | 52 | 0 | 0 | 0 | 0 |
| May 2021 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 279 | 246 | 111 | 26 | 4 | 47 | 0 | 0 | 0 | 0 |
| May 2022 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 279 | 213 | 92 | 20 | 3 | 41 | 0 | 0 | 0 | 0 |
| May 2023 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 279 | 181 | 75 | 15 | 2 | 35 | 0 | 0 | 0 | 0 |
| May 2024 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 279 | 151 | 60 | 11 | 1 | 29 | 0 | 0 | 0 | 0 |
| May 2025 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 279 | 123 | 47 | 8 | 1 | 22 | 0 | 0 | 0 | 0 |
| May 2026 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 279 | 96 | 35 | 6 | 1 | 14 | 0 | 0 | 0 | 0 |
| May 2027 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 279 | 71 | 25 | 4 | 0 | 6 | 0 | 0 | 0 | 0 |
| May 2028 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 279 | 46 | 16 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2029 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 235 | 24 | 8 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2030 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 122 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2031 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Weighted Average Life (years) ... | 4.9 | 4.9 | 4.9 | 4.9 | 4.6 | 12.7 | 12.7 | 12.5 | 10.1 | 7.6 | 28.8 | 23.6 | 20.0 | 15.3 | 11.7 | 17.8 | 7.5 | 5.4 | 3.7 | 2.8 |


| $\underline{\text { Distribution Date }}$ | PSA Prepayment Assumption Rates |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Class CA |  |  |  |  | Class CB |  |  |  |  | Class CD |  |  |  |  | Classes BD, BE, BF, BG, BH, BI, BJ, BK, BL, BM, BP and CE |  |  |  |  |
|  | 0\% | 100\% | 164\% | 275\% | 400\% | 0\% | 100\% | 164\% | 275\% | 400\% | 0\% | 100\% | 164\% | 275\% | 400\% | 0\% | 100\% | 164\% | 275\% | 400\% |
| Initial Percent | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| May 2002 | 99 | 96 | 95 | 92 | 89 | 99 | 96 | 95 | 92 | 89 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| May 2003 | 98 | 90 | 85 | 77 | 68 | 98 | 90 | 85 | 77 | 69 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| May 2004 | 97 | 82 | 73 | 59 | 45 | 97 | 82 | 73 | 60 | 46 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| May 2005 | 95 | 74 | 62 | 44 | 27 | 95 | 74 | 63 | 45 | 28 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| May 2006 | 94 | 66 | 52 | 32 | 14 | 94 | 67 | 53 | 33 | 15 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| May 2007 | 92 | 59 | 43 | 21 | 4 | 92 | 60 | 44 | 23 | 5 | 100 | 100 | 100 | 100 | 32 | 100 | 100 | 100 | 100 | 41 |
| May 2008 | 91 | 53 | 36 | 13 | 0 | 91 | 54 | 37 | 14 | 0 | 100 | 100 | 100 | 100 | 0 | 100 | 100 | 100 | 100 | 0 |
| May 2009 | 89 | 47 | 28 | 6 | 0 | 89 | 48 | 30 | 7 | 0 | 100 | 100 | 100 | 50 | 0 | 100 | 100 | 100 | 56 | 0 |
| May 2010 | 87 | 41 | 22 | 0 | 0 | 87 | 42 | 23 | 2 | 0 | 100 | 100 | 100 | 1 | 0 | 100 | 100 | 100 | 13 | 0 |
| May 2011 | 85 | 36 | 16 | 0 | 0 | 85 | 37 | 18 | 0 | 0 | 100 | 100 | 100 | 0 | 0 | 100 | 100 | 100 | 0 | 0 |
| May 2012 | 82 | 30 | 11 | 0 | 0 | 83 | 32 | 13 | 0 | 0 | 100 | 100 | 95 | 0 | 0 | 100 | 100 | 96 | 0 | 0 |
| May 2013 | 80 | 26 | 7 | 0 | 0 | 80 | 27 | 8 | 0 | 0 | 100 | 100 | 56 | 0 | 0 | 100 | 100 | 62 | 0 | 0 |
| May 2014 | 77 | 21 | 3 | 0 | 0 | 77 | 22 | 4 | 0 | 0 | 100 | 100 | 21 | 0 | 0 | 100 | 100 | 31 | 0 | 0 |
| May 2015 | 74 | 17 | 0 | 0 | 0 | 74 | 18 | 1 | 0 | 0 | 100 | 100 | 0 | 0 | 0 | 100 | 100 | 4 | 0 | 0 |
| May 2016 | 71 | 13 | 0 | 0 | 0 | 71 | 14 | 0 | 0 | 0 | 100 | 100 | 0 | 0 | 0 | 100 | 100 | 0 | 0 | 0 |
| May 2017 | 67 | 9 | 0 | 0 | 0 | 68 | 10 | 0 | 0 | 0 | 100 | 74 | 0 | 0 | 0 | 100 | 78 | 0 | 0 | 0 |
| May 2018 | 63 | 5 | 0 | 0 | 0 | 64 | 7 | 0 | 0 | 0 | 100 | 44 | 0 | 0 | 0 | 100 | 51 | 0 | 0 | 0 |
| May 2019 | 59 | 2 | 0 | 0 | 0 | 60 | 3 | 0 | 0 | 0 | 100 | 14 | 0 | 0 | 0 | 100 | 25 | 0 | 0 | 0 |
| May 2020 | 55 | 0 | 0 | 0 | 0 | 56 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 100 | 1 | 0 | 0 | 0 |
| May 2021 | 50 | 0 | 0 | 0 | 0 | 51 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| May 2022 | 45 | 0 | 0 | 0 | 0 | 46 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| May 2023 | 39 | 0 | 0 | 0 | 0 | 40 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| May 2024 | 33 | 0 | 0 | 0 | 0 | 34 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| May 2025 | 27 | 0 | 0 | 0 | 0 | 28 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| May 2026 | 20 | 0 | 0 | 0 | 0 | 21 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| May 2027 | 12 | 0 | 0 | 0 | 0 | 13 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| May 2028 | 4 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 30 | 0 | 0 | 0 | 0 | 39 | 0 | 0 | 0 | 0 |
| May 2029 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2030 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2031 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Weighted Average |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Life (years) | 18.3 | 8.2 | 5.8 | 4.0 | 3.0 | 18.5 | 8.3 | 6.0 | 4.0 | 3.0 | 26.7 | 16.8 | 12.2 | 8.0 | 5.8 | 26.8 | 17.1 | 12.4 | 8.2 | 5.9 |


| $\underline{\text { Distribution Date }}$ | Security Group 2 <br> PSA Prepayment Assumption Rates |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Class FA |  |  |  |  | Class SA |  |  |  |  |
|  | 0\% | 150\% | 300\% | 450\% | 600\% | 0\% | 150\% | 300\% | 450\% | 600\% |
| Initial Percent | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| May 2002 | 99 | 89 | 80 | 72 | 63 | 99 | 89 | 80 | 72 | 63 |
| May 2003 | 99 | 79 | 65 | 51 | 39 | 99 | 79 | 65 | 51 | 39 |
| May 2004 | 98 | 71 | 52 | 36 | 25 | 98 | 71 | 52 | 36 | 25 |
| May 2005 | 97 | 63 | 41 | 26 | 15 | 97 | 63 | 41 | 26 | 15 |
| May 2006 | 96 | 55 | 33 | 18 | 9 | 96 | 55 | 33 | 18 | 9 |
| May 2007 | 95 | 48 | 26 | 13 | 6 | 95 | 48 | 26 | 13 | 6 |
| May 2008 | 94 | 42 | 20 | 9 | 4 | 94 | 42 | 20 | 9 | 4 |
| May 2009 | 92 | 37 | 16 | 6 | 2 | 92 | 37 | 16 | 6 | 2 |
| May 2010 | 91 | 32 | 12 | 4 | 1 | 91 | 32 | 12 | 4 | 1 |
| May 2011 | 89 | 27 | 10 | 3 | 1 | 89 | 27 | 10 | 3 | 1 |
| May 2012 | 88 | 23 | 7 | 2 | 0 | 88 | 23 | 7 | 2 | 0 |
| May 2013 | 86 | 19 | 6 | 1 | 0 | 86 | 19 | 6 | 1 | 0 |
| May 2014 | 84 | 16 | 4 | 1 | 0 | 84 | 16 | 4 | 1 | 0 |
| May 2015 | 82 | 13 | 3 | 1 | 0 | 82 | 13 | 3 | 1 | 0 |
| May 2016 | 79 | 10 | 2 | 0 | 0 | 79 | 10 |  | 0 | 0 |
| May 2017 | 77 | 8 | 1 | 0 | 0 | 77 | 8 | 1 | 0 | 0 |
| May 2018 | 74 | 5 | 1 | 0 | 0 | 74 | 5 | 1 | 0 | 0 |
| May 2019 | 71 | 3 | 0 | 0 | 0 | 71 | 3 | 0 | 0 | 0 |
| May 2020 | 67 | 1 | 0 | 0 | 0 | 67 | 1 | 0 | 0 | 0 |
| May 2021 | 64 | 0 | 0 | 0 | 0 | 64 | 0 | 0 | 0 | 0 |
| May 2022 | 59 | 0 | 0 | 0 | 0 | 59 | 0 | 0 | 0 | 0 |
| May 2023 | 55 | 0 | 0 | 0 | 0 | 55 | 0 | 0 | 0 | 0 |
| May 2024 | 50 | 0 | 0 | 0 | 0 | 50 | 0 | 0 | 0 | 0 |
| May 2025 | 45 | 0 | 0 | 0 | 0 | 45 | 0 | 0 | 0 | 0 |
| May 2026 | 39 | 0 | 0 | 0 | 0 | 39 | 0 | 0 | 0 | 0 |
| May 2027 | 32 | 0 | 0 | 0 | 0 | 32 | 0 | 0 | 0 | 0 |
| May 2028 | 25 | 0 | 0 | 0 | 0 | 25 | 0 | 0 | 0 | 0 |
| May 2029 | 18 | 0 | 0 | 0 | 0 | 18 | 0 | 0 | 0 | 0 |
| May 2030 | 9 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 0 |
| May 2031 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Weighted Average | 21.0 | 6.9 | 4.3 | 29 | 21 | 21.0 | 6.9 | 43 | 2.9 | 2.1 |
| Lite (years) | 21.0 |  | 4.3 | 2.9 | 2.1 | 21.0 | 6.9 | 4.3 | 2.9 | 2.1 |

PSA Prepayment Assumption Rates

| $\underline{\text { Distribution Date }}$ | PSA Prepayment Assumption Rates |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Class FJ |  |  |  |  | Class SJ |  |  |  |  | Class VI |  |  |  |  |
|  | 0\% | 150\% | 300\% | 450\% | 600\% | 0\% | 150\% | 300\% | 450\% | 600\% | 0\% | 150\% | 300\% | 450\% | 600\% |
| Initial Percent | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| May 2002 | 99 | 88 | 80 | 71 | 62 | 99 | 88 | 79 | 71 | 62 | 0 | 0 | 0 | 0 | 0 |
| May 2003 | 99 | 78 | 63 | 50 | 39 | 99 | 77 | 63 | 50 | 38 | 0 | 0 | 0 | 0 | 0 |
| May 2004 | 98 | 68 | 50 | 35 | 24 | 98 | 67 | 49 | 35 | 23 | 0 | 0 | 0 | 0 | 0 |
| May 2005 | 97 | 60 | 39 | 25 | 15 | 97 | 58 | 38 | 24 | 14 | 0 | 0 | 0 | 0 | 0 |
| May 2006 | 96 | 52 | 31 | 17 | 9 | 96 | 50 | 30 | 17 | 9 | 0 | 0 | 0 | 0 | 0 |
| May 2007 | 95 | 45 | 24 | 12 | 5 | 95 | 43 | 23 | 11 | 5 | 0 | 0 | 0 | 0 | 0 |
| May 2008 | 94 | 38 | 18 | 8 | 3 | 94 | 36 | 17 | 8 | 3 | 0 | 0 | 0 | 0 | 0 |
| May 2009 | 92 | 32 | 14 | 6 | 2 | 92 | 30 | 13 | 5 | 2 | 0 | 0 | 0 | 0 | 0 |
| May 2010 | 91 | 27 | 11 | 4 | 1 | 91 | 24 | 9 | 3 | 1 | 0 | 0 | 0 | 0 | 0 |
| May 2011 | 89 | 22 | 8 | 2 | 1 | 89 | 19 | 7 | 2 | 1 | 0 | 0 | 0 | 0 | 0 |
| May 2012 | 88 | 18 | 6 | 2 | 0 | 88 | 14 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2013 | 86 | 14 | 4 | 1 | 0 | 86 | 10 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2014 | 84 | 10 | 3 | 1 | 0 | 84 | 7 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2015 | 82 | 7 | 2 | 0 | 0 | 82 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2016 | 79 | 4 | 1 | 0 | 0 | 79 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2017 | 77 | 3 | 1 | 0 | 0 | 77 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2018 | 74 | 2 | 0 | 0 | 0 | 74 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2019 | 71 | 1 | 0 | 0 | 0 | 71 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2020 | 67 | 0 | 0 | 0 | 0 | 67 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2021 | 64 | 0 | 0 | 0 | 0 | 64 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2022 | 59 | 0 | 0 | 0 | 0 | 59 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2023 | 55 | 0 | 0 | 0 | 0 | 55 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2024 | 50 | 0 | 0 | 0 | 0 | 50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2025 | 45 | 0 | 0 | 0 | 0 | 45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2026 | 39 | 0 | 0 | 0 | 0 | 39 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2027 | 32 | 0 | 0 | 0 | 0 | 32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2028 | 25 | 0 | 0 | 0 | 0 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2029 | 18 | 0 | 0 | 0 | 0 | 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2030 | 9 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2031 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Weighted Average |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Life (years) ... | 21.0 | 6.2 | 4.0 | 2.8 | 2.1 | 21.0 | 5.8 | 3.9 | 2.7 | 2.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Security Group 3
PSA Prepayment Assumption Rates

| Distribution Date |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Class DA |  |  |  |  | Class DB |  |  |  |  | Class DC |  |  |  |  | Class DE |  |  |  |  |
|  | 0\% | 100\% | 180\% | 300\% | 450\% | 0\% | 100\% | 180\% | 300\% | 450\% | 0\% | 100\% | 180\% | 300\% | 450\% | 0\% | 100\% | 180\% | 300\% | 450\% |
| Initial Percent | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| May 2002 | 100 | 100 | 100 | 100 | 0 | 100 | 100 | 100 | 100 | 16 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| May 2003 | 100 | 100 | 100 | 0 | 0 | 100 | 100 | 100 | 28 | 0 | 100 | 100 | 100 | 100 | 0 | 100 | 100 | 100 | 100 | 0 |
| May 2004 | 100 | 100 | 100 | 0 | 0 | 100 | 100 | 100 | 0 | 0 | 100 | 100 | 100 | 0 | 0 | 100 | 100 | 100 | 0 | 0 |
| May 2005 | 100 | 100 | 100 | 0 | 0 | 100 | 100 | 100 | 0 | 0 | 100 | 100 | 100 | 0 | 0 | 100 | 100 | 100 | 0 | 0 |
| May 2006 | 100 | 100 | 100 | 0 | 0 | 100 | 100 | 100 | 0 | 0 | 100 | 100 | 100 | 0 | 0 | 100 | 100 | 100 | 0 | 0 |
| May 2007 | 100 | 100 | 100 | 0 | 0 | 100 | 100 | 100 | 0 | 0 | 100 | 100 | 100 | 0 | 0 | 100 | 100 | 100 | 0 | 0 |
| May 2008 | 100 | 100 | 100 | 0 | 0 | 100 | 100 | 100 | 0 | 0 | 100 | 100 | 100 | 0 | 0 | 100 | 100 | 100 | 0 | 0 |
| May 2009 | 100 | 100 | 100 | 0 | 0 | 100 | 100 | 100 | 0 | 0 | 100 | 100 | 100 | 0 | 0 | 100 | 100 | 100 | 0 | 0 |
| May 2010 | 100 | 100 | 58 | 0 | 0 | 100 | 100 | 100 | 0 | 0 | 100 | 100 | 100 | 0 | 0 | 100 | 100 | 100 | 0 | 0 |
| May 2011 | 100 | 97 | 14 | 0 | 0 | 100 | 100 | 100 | 0 | 0 | 100 | 100 | 100 | 0 | 0 | 100 | 100 | 100 | 0 | 0 |
| May 2012 | 100 | 57 | 0 | 0 | 0 | 100 | 100 | 72 | 0 | 0 | 100 | 100 | 100 | 0 | 0 | 100 | 100 | 100 | 0 | 0 |
| May 2013 | 100 | 18 | 0 | 0 | 0 | 100 | 100 | 34 | 0 | 0 | 100 | 100 | 100 | 0 | 0 | 100 | 100 | 100 | 0 | 0 |
| May 2014 | 100 | 0 | 0 | 0 | 0 | 100 | 79 | 0 | 0 | 0 | 100 | 100 | 98 | 0 | 0 | 100 | 100 | 100 | 0 | 0 |
| May 2015 | 0 | 0 | 0 | 0 | 0 | 42 | 42 | 0 | 0 | 0 | 100 | 100 | 65 | 0 | 0 | 100 | 100 | 100 | 0 | 0 |
| May 2016 | 0 | 0 | 0 | 0 | 0 | 6 | 6 | 0 | 0 | 0 | 100 | 100 | 35 | 0 | 0 | 100 | 100 | 100 | 0 | 0 |
| May 2017 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 72 | 72 | 7 | 0 | 0 | 100 | 100 | 100 | 0 | 0 |
| May 2018 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 40 | 40 | 0 | 0 | 0 | 100 | 100 | 82 | 0 | 0 |
| May 2019 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 10 | 0 | 0 | 0 | 100 | 100 | 59 | 0 | 0 |
| May 2020 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 81 | 81 | 38 | 0 | 0 |
| May 2021 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 54 | 54 | 20 | 0 | 0 |
| May 2022 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30 | 30 | 4 | 0 | 0 |
| May 2023 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 7 | 0 | 0 | 0 |
| May 2024 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2025 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2026 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2027 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2028 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2029 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2030 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2031 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Weighted Average Life (years) | 13.4 | 11.2 | 9.2 | 1.7 | 0.9 | 14.1 | 13.8 | 11.6 | 1.9 | 1.0 | 16.7 | 16.7 | 14.5 | 2.2 | 1.1 | 20.2 | 20.2 | 18.5 | 2.5 | 1.2 |

Security Group 4
PSA Prepayment Assumption Rates
$\overline{\text { Classes H, HA, HB, HC, HD, HE, HF, HG, HI, HJ, HP }}$

| $\underline{\text { Distribution Date }}$ | Classes H, HA, HB, HC, HD, HE, HF, HG, HI, HJ, HP and $K$ |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | 0\% | 100\% | 208\% | 300\% | 450\% |
| Initial Percent | 100 | 100 | 100 | 100 | 100 |
| May 2002 | 98 | 90 | 81 | 74 | 62 |
| May 2003 | 96 | 80 | 65 | 53 | 35 |
| May 2004 | 93 | 72 | 51 | 36 | 15 |
| May 2005 | 91 | 63 | 39 | 22 | 1 |
| May 2006 | 88 | 55 | 28 | 11 | 0 |
| May 2007 | 85 | 48 | 19 | 1 | 0 |
| May 2008 | 82 | 41 | 11 | 0 | 0 |
| May 2009 | 78 | 34 | 4 | 0 | 0 |
| May 2010 | 74 | 28 | 0 | 0 | 0 |
| May 2011 | 70 | 22 | 0 | 0 | 0 |
| May 2012 | 66 | 16 | 0 | 0 | 0 |
| May 2013 | 61 | 11 | 0 | 0 | 0 |
| May 2014 | 56 | 6 | 0 | 0 | 0 |
| May 2015 | 51 | 1 | 0 | 0 | 0 |
| May 2016 | 45 | 0 | 0 | 0 | 0 |
| May 2017 | 38 | 0 | 0 | 0 | 0 |
| May 2018 | 31 | 0 | 0 | 0 | 0 |
| May 2019 | 24 | 0 | 0 | 0 | 0 |
| May 2020 | 16 | 0 | 0 | 0 | 0 |
| May 2021 | 7 | 0 | 0 | 0 | 0 |
| May 2022 | 0 | 0 | 0 | 0 | 0 |
| May 2023 | 0 | 0 | 0 | 0 | 0 |
| May 2024 | 0 | 0 | 0 | 0 | 0 |
| May 2025 | 0 | 0 | 0 | 0 | 0 |
| May 2026 | 0 | 0 | 0 | 0 | 0 |
| May 2027 | 0 | 0 | 0 | 0 | 0 |
| May 2028 | 0 | 0 | 0 | 0 | 0 |
| May 2029 | 0 | 0 | 0 | 0 | 0 |
| May 2030 | 0 | 0 | 0 | 0 | 0 |
| May 2031 | 0 | 0 | 0 | 0 | 0 |
| Weighted Average |  |  |  |  |  |
| Life (years) ... | 13.0 | 6.2 | 3.5 | 2.4 | 1.6 |

Security Group 5
PSA Prepayment Assumption Rates


PSA Prepayment Assumption Rates

| Distribution Date | Class GE |  |  |  |  | Class GF |  |  |  |  | Class GH |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 0\% | 100\% | 164\% | 275\% | 400\% | 0\% | 100\% | 164\% | 275\% | 400\% | 0\% | 100\% | 164\% | 275\% | 400\% |
| Initial Percent | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| May 2002 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| May 2003 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| May 2004 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| May 2005 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| May 2006 | 100 | 100 | 100 | 100 | 31 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| May 2007 | 100 | 100 | 100 | 80 | 0 | 100 | 100 | 100 | 100 | 53 | 100 | 100 | 100 | 100 | 100 |
| May 2008 | 100 | 100 | 100 | 23 | 0 | 100 | 100 | 100 | 100 | 0 | 100 | 100 | 100 | 100 | 94 |
| May 2009 | 100 | 100 | 100 | 0 | 0 | 100 | 100 | 100 | 69 | 0 | 100 | 100 | 100 | 100 | 70 |
| May 2010 | 100 | 100 | 83 | 0 | 0 | 100 | 100 | 100 | 19 | 0 | 100 | 100 | 100 | 100 | 52 |
| May 2011 | 100 | 100 | 45 | 0 | 0 | 100 | 100 | 100 | 0 | 0 | 100 | 100 | 100 | 89 | 39 |
| May 2012 | 100 | 100 | 11 | 0 | 0 | 100 | 100 | 100 | 0 | 0 | 100 | 100 | 100 | 73 | 29 |
| May 2013 | 100 | 100 | 0 | 0 | 0 | 100 | 100 | 75 | 0 | 0 | 100 | 100 | 100 | 59 | 21 |
| May 2014 | 100 | 77 | 0 | 0 | 0 | 100 | 100 | 40 | 0 | 0 | 100 | 100 | 100 | 48 | 16 |
| May 2015 | 100 | 49 | 0 | 0 | 0 | 100 | 100 | 9 | 0 | 0 | 100 | 100 | 100 | 39 | 12 |
| May 2016 | 100 | 22 | 0 | 0 | 0 | 100 | 100 | 0 | 0 | 0 | 100 | 100 | 91 | 31 | 8 |
| May 2017 | 100 | 0 | 0 | 0 | 0 | 100 | 96 | 0 | 0 | 0 | 100 | 100 | 78 | 25 | 6 |
| May 2018 | 100 | 0 | 0 | 0 | 0 | 100 | 65 | 0 | 0 | 0 | 100 | 100 | 68 | 20 | 4 |
| May 2019 | 100 | 0 | 0 | 0 | 0 | 100 | 36 | 0 | 0 | 0 | 100 | 100 | 58 | 16 | 3 |
| May 2020 | 100 | 0 | 0 | 0 | 0 | 100 | 8 | 0 | 0 | 0 | 100 | 100 | 49 | 12 | 2 |
| May 2021 | 100 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 100 | 91 | 42 | 10 | 2 |
| May 2022 | 100 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 100 | 80 | 35 | 8 | 1 |
| May 2023 | 100 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 100 | 68 | 29 | 6 | 1 |
| May 2024 | 100 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 100 | 58 | 23 | 4 | 1 |
| May 2025 | 100 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 100 | 48 | 18 | 3 | 0 |
| May 2026 | 63 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 100 | 38 | 14 | 2 | 0 |
| May 2027 | 12 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 100 | 29 | 10 | 2 | 0 |
| May 2028 | 0 | 0 | 0 | 0 | 0 | 44 | 0 | 0 | 0 | 0 | 100 | 21 | 7 | 1 | 0 |
| May 2029 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 84 | 13 | 4 | 1 | 0 |
| May 2030 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 44 | 5 | 2 | 0 | 0 |
| May 2031 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Weighted Average |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Life (years) ... | 25.3 | 14.0 | 9.9 | 6.5 | 4.8 | 26.9 | 17.5 | 12.8 | 8.4 | 6.1 | 28.8 | 24.0 | 19.8 | 14.0 | 10.1 |

Security Group 6
PSA Prepayment Assumption Rates

| Distribution Date | repayment Assum |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Classes EA, FD, FG, SD, SE, SH, SI and ST |  |  |  |  |
|  | 0\% | 150\% | 355\% | 525\% | 750\% |
| Initial Percent | 100 | 100 | 100 | 100 | 100 |
| May 2002 | 99 | 90 | 78 | 68 | 54 |
| May 2003 | 98 | 81 | 60 | 46 | 29 |
| May 2004 | 98 | 72 | 47 | 31 | 16 |
| May 2005 | 97 | 65 | 36 | 21 | 9 |
| May 2006 | 95 | 58 | 28 | 14 | 5 |
| May 2007 | 94 | 51 | 22 | 9 | 3 |
| May 2008 | 93 | 46 | 17 | 6 | 1 |
| May 2009 | 92 | 41 | 13 | 4 | 1 |
| May 2010 | 90 | 36 | 10 | 3 | 0 |
| May 2011 | 89 | 32 | 7 | 2 | 0 |
| May 2012 | 87 | 28 | 6 | 1 | 0 |
| May 2013 | 85 | 24 | 4 | 1 | 0 |
| May 2014 | 83 | 21 | 3 | 1 | 0 |
| May 2015 | 81 | 18 | 2 | 0 | 0 |
| May 2016 | 78 | 16 | 2 | 0 | 0 |
| May 2017 | 75 | 13 | 1 | 0 | 0 |
| May 2018 | 72 | 11 | 1 | 0 | 0 |
| May 2019 | 69 | 9 | 1 | 0 | 0 |
| May 2020 | 66 | 7 | 0 | 0 | 0 |
| May 2021 | 62 | 6 | 0 | 0 | 0 |
| May 2022 | 58 | 4 | 0 | 0 | 0 |
| May 2023 | 53 | 3 | 0 | 0 | 0 |
| May 2024 | 49 | 2 | 0 | 0 | 0 |
| May 2025 | 43 | 1 | 0 | 0 | 0 |
| May 2026 | 37 | 0 | 0 | 0 | 0 |
| May 2027 | 31 | 0 | 0 | 0 | 0 |
| May 2028 | 24 | 0 | 0 | 0 | 0 |
| May 2029 | 17 | 0 | 0 | 0 | 0 |
| May 2030 | 9 | 0 | 0 | 0 | 0 |
| May 2031 | 0 | 0 | 0 | 0 | 0 |
| Weighted Average |  |  |  |  |  |
| Life (years) ... | 20.8 | 7.8 | 3.9 | 2.5 | 1.6 |


| Distribution Date | Security Group 7 <br> PSA Prepayment Assumption Rates |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Classes EL, FK, SG and SK |  |  |  |  |
|  | 0\% | 150\% | 355\% | 525\% | 750\% |
| Initial Percent | 100 | 100 | 100 | 100 | 100 |
| May 2002 | 99 | 90 | 78 | 68 | 54 |
| May 2003 | 98 | 81 | 60 | 46 | 29 |
| May 2004 | 98 | 72 | 47 | 31 | 16 |
| May 2005 | 97 | 65 | 36 | 21 | 9 |
| May 2006 | 95 | 58 | 28 | 14 | 5 |
| May 2007 | 94 | 52 | 22 | 9 | 3 |
| May 2008 | 93 | 46 | 17 | 6 | 1 |
| May 2009 | 92 | 41 | 13 | 4 | 1 |
| May 2010 | 90 | 36 | 10 | 3 | 0 |
| May 2011 | 89 | 32 | 7 | 2 | 0 |
| May 2012 | 87 | 28 | 6 | 1 | 0 |
| May 2013 | 85 | 25 | 4 | 1 | 0 |
| May 2014 | 83 | 21 | 3 | 1 | 0 |
| May 2015 | 81 | 18 | 2 | 0 | 0 |
| May 2016 | 78 | 16 | 2 | 0 | 0 |
| May 2017 | 75 | 13 | 1 | 0 | 0 |
| May 2018 | 72 | 11 | 1 | 0 | 0 |
| May 2019 | 69 | 9 | 1 | 0 | 0 |
| May 2020 | 66 | 8 | 0 | 0 | 0 |
| May 2021 | 62 | 6 | 0 | 0 | 0 |
| May 2022 | 58 | 5 | 0 | 0 | 0 |
| May 2023 | 53 | 3 | 0 | 0 | 0 |
| May 2024 | 49 | 2 | 0 | 0 | 0 |
| May 2025 | 43 | 1 | 0 | 0 | 0 |
| May 2026 | 37 | 0 | 0 | 0 | 0 |
| May 2027 | 31 | 0 | 0 | 0 | 0 |
| May 2028 | 24 | 0 | 0 | 0 | 0 |
| May 2029 | 17 | 0 | 0 | 0 | 0 |
| May 2030 | 9 | 0 | 0 | 0 | 0 |
| May 2031 | 0 | 0 | 0 | 0 | 0 |
| Weighted Average |  |  |  |  |  |
| Life (years) | 20.8 | 7.9 | 3.9 | 2.5 | 1.6 |

Security Group 8
PSA Prepayment Assumption Rates

| $\underline{\text { Distribution Date }}$ | Classes PF, PG, PS and PT |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | 0\% | 100\% | 177\% | 300\% | 450\% |
| Initial Percent | 100 | 100 | 100 | 100 | 100 |
| May 2002 | 100 | 100 | 100 | 100 | 100 |
| May 2003 | 100 | 100 | 100 | 100 | 100 |
| May 2004 | 100 | 100 | 100 | 100 | 100 |
| May 2005 | 100 | 100 | 100 | 100 | 100 |
| May 2006 | 100 | 100 | 100 | 100 | 100 |
| May 2007 | 100 | 100 | 100 | 100 | 100 |
| May 2008 | 100 | 100 | 100 | 100 | 100 |
| May 2009 | 100 | 100 | 100 | 100 | 100 |
| May 2010 | 100 | 100 | 100 | 100 | 75 |
| May 2011 | 100 | 100 | 100 | 100 | 53 |
| May 2012 | 100 | 100 | 100 | 100 | 38 |
| May 2013 | 100 | 100 | 100 | 100 | 26 |
| May 2014 | 100 | 100 | 100 | 84 | 19 |
| May 2015 | 100 | 100 | 100 | 66 | 13 |
| May 2016 | 100 | 89 | 89 | 51 | 9 |
| May 2017 | 100 | 72 | 72 | 40 | 6 |
| May 2018 | 100 | 57 | 57 | 30 | 4 |
| May 2019 | 100 | 45 | 45 | 23 | 3 |
| May 2020 | 100 | 35 | 35 | 17 | 2 |
| May 2021 | 100 | 27 | 27 | 13 | 1 |
| May 2022 | 100 | 20 | 20 | 9 | 1 |
| May 2023 | 74 | 15 | 15 | 7 | 1 |
| May 2024 | 11 | 11 | 11 | 4 | 0 |
| May 2025 | 7 | 7 | 7 | 3 | 0 |
| May 2026 | 4 | 4 | 4 | 2 | 0 |
| May 2027 | 2 | 2 | 2 | 1 | 0 |
| May 2028 | 0 | 0 | 0 | 0 | 0 |
| May 2029 | 0 | 0 | 0 | 0 | 0 |
| May 2030 | 0 | 0 | 0 | 0 | 0 |
| May 2031 | 0 | 0 | 0 | 0 | 0 |
| Weighted Average |  |  |  |  |  |
| Life (years) . | 22.5 | 18.4 | 18.4 | 16.0 | 11.0 |

Security Group 9
PSA Prepayment Assumption Rates

| Distribution Date |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Classes FM, SM and SO |  |  |  |  |
|  | 0\% | 150\% | 355\% | 525\% | 750\% |
| Initial Percent | 100 | 100 | 100 | 100 | 100 |
| May 2002 | 99 | 90 | 78 | 68 | 54 |
| May 2003 | 99 | 81 | 60 | 46 | 29 |
| May 2004 | 98 | 72 | 47 | 31 | 16 |
| May 2005 | 97 | 65 | 36 | 21 | 9 |
| May 2006 | 96 | 58 | 28 | 14 | 5 |
| May 2007 | 95 | 52 | 22 | 9 | 3 |
| May 2008 | 94 | 46 | 17 | 6 | 1 |
| May 2009 | 93 | 41 | 13 | 4 | 1 |
| May 2010 | 92 | 36 | 10 | 3 | 0 |
| May 2011 | 90 | 32 | 7 | 2 | 0 |
| May 2012 | 89 | 28 | 6 | 1 | 0 |
| May 2013 | 87 | 24 | 4 | 1 | 0 |
| May 2014 | 85 | 21 | 3 | 1 | 0 |
| May 2015 | 83 | 18 | 2 | 0 | 0 |
| May 2016 | 81 | 16 | 2 | 0 | 0 |
| May 2017 | 78 | 13 | 1 | 0 | 0 |
| May 2018 | 75 | 11 | 1 | 0 | 0 |
| May 2019 | 72 | 9 | 1 | 0 | 0 |
| May 2020 | 69 | 7 | 0 | 0 | 0 |
| May 2021 | 65 | 6 | 0 | 0 | 0 |
| May 2022 | 61 | 4 | 0 | 0 | 0 |
| May 2023 | 56 | 3 | 0 | 0 | 0 |
| May 2024 | 51 | 2 | 0 | 0 | 0 |
| May 2025 | 46 | 1 | 0 | 0 | 0 |
| May 2026 | 40 | 0 | 0 | 0 | 0 |
| May 2027 | 33 | 0 | 0 | 0 | 0 |
| May 2028 | 26 | 0 | 0 | 0 | 0 |
| May 2029 | 18 | 0 | 0 | 0 | 0 |
| May 2030 | 10 | 0 | 0 | 0 | 0 |
| May 2031 | 0 | 0 | 0 | 0 | 0 |
| Weighted Average |  |  |  |  |  |
| Life (years) | 21.3 | 7.9 | 3.9 | 2.6 | 1.6 |

## Yield Considerations

An investor seeking to maximize yield should make a decision whether to invest in any Class based on the anticipated yield of that Class resulting from its purchase price, the investor's own projection of Mortgage Loan prepayment rates under a variety of scenarios, and in the case of the Group 3, 4 and 8 Securities, the investor's own projection of payment rates on the Underlying Certificates under a variety of scenarios, and, in the case of a Floating Rate or an Inverse Floating Rate Class, the investor's own projection of levels of LIBOR under a variety of scenarios. No representation is made regarding Mortgage Loan prepayment rates, Underlying Certificate payment rates, LIBOR levels or the yield of any Class.

## Prepayments: Effect on Yields

The yields to investors will be sensitive in varying degrees to the rate of prepayments on the related Mortgage Loans.

- In the case of Regular Securities or MX Securities purchased at a premium (especially Interest Only Securities), faster than anticipated rates of principal payments could result in actual yields to investors that are lower than the anticipated yields.
- Investors in the Interest Only Classes should also consider the risk that rapid rates of principal payments could result in the failure of investors to recover fully their investments.
- In the case of Regular Securities or MX Securities purchased at a discount (especially Principal Only Securities), slower than anticipated rates of principal payments could result in actual yields to investors that are lower than the anticipated yields.

See "Risk Factors - Rates of principal payments can reduce your yield" in this Supplement.

Rapid rates of prepayments on the Mortgage Loans are likely to coincide with periods of low prevailing interest rates.

- During periods of low prevailing interest rates, the yields at which an investor may be able to reinvest amounts received as principal payments on the investor's Class of Securities may be lower than the yield on that Class.

Slow rates of prepayments on the Mortgage Loans are likely to coincide with periods of high prevailing interest rates.

- During periods of high prevailing interest rates, the amount of principal payments available to an investor for reinvestment at those high rates may be relatively low.

The Mortgage Loans will not prepay at any constant rate until maturity, nor will all of the Mortgage Loans underlying any Group of Trust Assets prepay at the same rate at any one time. The timing of changes in the rate of prepayments may affect the actual yield to an investor, even if the average rate of principal prepayments is consistent with the investor's expectation. In general, the earlier a prepayment of principal on the Mortgage Loans, the greater the effect on an investor's yield. As a result, the effect on an investor's yield of principal prepayments occurring at a rate higher (or lower) than the rate anticipated by the investor during the period immediately following the Closing Date is not likely to be offset by a later equivalent reduction (or increase) in the rate of principal prepayments.

Low levels of LIBOR can reduce the yield of the Floating Rate Classes. High levels of LIBOR can significantly reduce the yield of the Inverse Floating Rate Classes.

Payment Delay: Effect on Yields of the Fixed Rate Classes
The effective yield on any Fixed Rate Class (other than Class VI) will be less than the yield otherwise produced by its Interest Rate and purchase price because on each Distribution Date, the interest payable will accrue during the related Accrual Period, which will end approximately 16 days earlier for Group 2, 17 days earlier for Group 3, 18 days earlier for Group 4, and 20 days earlier for Groups 1 and 5.

## Yield Tables

The following tables show the pre-tax yields to maturity on a corporate bond equivalent basis of specified Classes at various constant percentages of PSA and, in the case of the Inverse Floating Rate Classes, at various constant levels of LIBOR.

The Mortgage Loans will not prepay at any constant rate until maturity, and it is unlikely that LIBOR will remain constant. Moreover, the Mortgage Loans will have characteristics that differ from those of the Modeling Assumptions. Therefore, the actual pre-tax yield of any Class may differ from those shown in the applicable table below for that Class even if the Class is purchased at the assumed price shown.

The yields were calculated by

1. determining the monthly discount rates that, when applied to the applicable assumed streams of cash flows to be paid on the applicable Class, would cause the discounted present value of the assumed streams of cash flows to equal the assumed purchase price of that Class plus accrued interest (in the case of interest bearing Classes), and
2. converting the monthly rates to corporate bond equivalent rates.

These calculations do not take into account variations that may occur in the interest rates at which investors may be able to reinvest funds received by them as distributions on their Securities and consequently do not purport to reflect the return on any investment in any Class when those reinvestment rates are considered.

The information set forth in the following tables was prepared on the basis of the Modeling Assumptions and the assumptions that (1) the Interest Rate applicable to each Inverse Floating Rate Class for each Accrual Period following the first Accrual Period will be based on the indicated level of LIBOR and (2) the purchase price of each Class (expressed as a percentage of its original Class Principal Balance or Class Notional Balance) plus accrued interest (in the case of the interest bearing Classes) is as indicated in the related table. The assumed purchase price is not necessarily that at which actual sales will occur.

## SECURITY GROUP 1

## Sensitivity of Class AI to Prepayments

Assumed Price 24.5\%*

| PSA Prepayment Assumption Rates |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| 100\% | 164\% | 235\% | 275\% | 400\% |
| 16.0\% | 8.8\% | $0.1 \%$ | (4.9) \% | (20.1) \% |

* The price does not include accrued interest. Accrued interest has been added to the price in calculating the yields set forth in the table.

Sensitivity of Class AP to Prepayments Assumed Price 77.0\%

|  | PSA Prepayment Assumption Rates |  |  |
| :--- | :--- | :--- | :--- |
|  |  |  |  |
| $\mathbf{1 0 0 \%}$ | $\underline{\mathbf{1 6 4 \%}}$ | $\underline{\mathbf{2 7 5 \%}}$ | $\underline{\mathbf{4 0 0 \%}}$ |
| $\mathbf{3 . 9 \%}$ | $\mathbf{5 . 6 \%}$ | $8.1 \%$ | $\mathbf{1 0 . 7 \%}$ |

## Sensitivity of Class BI to Prepayments

 Assumed Price 43.5\%*PSA Prepayment Assumption Rates

| 100\% | 164\% | 275\% | 343\% | 400\% |
| :---: | :---: | :---: | :---: | :---: |
| 13.6\% | 11.3\% | 4.9\% | 0.1\% | (4.3 |

Sensitivity of Class BP to Prepayments Assumed Price 56.25\%

| PSA Prepayment Assumption Rates |  |  |  |
| :--- | :--- | :--- | :--- |
| $\underline{\mathbf{1 0 0 \%}}$ | $\underline{\mathbf{1 6 4 \%}}$ | $\underline{\mathbf{2 7 5} \%}$ | $\underline{\mathbf{4 0 0 \%}}$ |
| $3.4 \%$ | $4.7 \%$ | $7.2 \%$ | $10.0 \%$ |

## SECURITY GROUP 2

Sensitivity of Class SA to Prepayments Assumed Price 6.75\%*

| LIBOR | PSA Prepayment Assumption Rates |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 150\% | 300\% | 450\% | 600\% |
| 3.43\% | 64.9\% | 51.9\% | 38.0\% | 23.3\% |
| 4.43\% | 47.2\% | 34.9\% | 22.0\% | 8.2\% |
| 6.43\% | 13.4\% | 2.7\% | (8.6) \% | (20.6) \% |
| 8.15\% | ** | ** | ** | ** |

## Sensitivity of Class SJ to Prepayments Assumed Price 8.125\%*

| LIBOR | PSA Prepayment Assumption Rates |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 150\% | 300\% | 450\% | 600\% |
| 3.43\% | 48.3\% | 36.0\% | 23.0\% | 9.1\% |
| 4.43\% | 33.9\% | 22.3\% | 10.0\% | (3.1) \% |
| 6.43\% | 5.1\% | (5.2) \% | (16.1)\% | (27.6) \% |
| 8.15\% | ** | ** | ** | ** |

* The price does not include accrued interest. Accrued interest has been added to the price in calculating the yields set forth in the table.
** Indicates that investors will suffer a loss of virtually all of their investment.

Sensitivity of Class VI to Prepayments Assumed Price 0.0156\%

| PSA Prepayment Assumption Rates |  |  |  |
| :--- | :--- | :--- | :--- |
| $\frac{\mathbf{1 5 0 \%}}{11.4 \%}$ | $\frac{\mathbf{3 0 0 \%}}{11.4 \%}$ | $\underline{\mathbf{4 5 0 \%}}$ | $\underline{\mathbf{6 0 0 \%}}$ |
| $11.4 \%$ | $11.4 \%$ |  |  |

## SECURITY GROUP 4

Sensitivity of Class HI to Prepayments Assumed Price 17.25\%*

| PSA Prepayment Assumption Rates |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
| $\mathbf{1 0 0 \%}$ | $\frac{\mathbf{2 0 8 \%}}{29.1 \%}$ | $\frac{\mathbf{2 9 2 \%}}{14.1 \%}$ | $0.1 \%$ | $\frac{\mathbf{3 0 0 \%}}{}$ | $\frac{\mathbf{4 5 0 \%}}{}$ |

Sensitivity of Class HP to Prepayments
Assumed Price $87.00 \%$

| PSA Prepayment Assumption Rates |  |  |  |
| :--- | :--- | :--- | :--- |
| $\frac{\mathbf{1 0 0 \%}}{2.3 \%}$ | $\underline{\mathbf{2 0 8} \%}$ | $\underline{\mathbf{3 0 0} \%}$ | $\underline{\mathbf{4 5 0 \%}}$ |
| $4.2 \%$ | $6.0 \%$ | $9.2 \%$ |  |

## SECURITY GROUP 6

Sensitivity of Class EA to Prepayments Assumed Price 85.00\%

|  |  |  |  |
| :---: | :---: | :---: | :---: |
| 150\% | 355\% | 525\% | 750\% |
| 2.2\% | 4.6\% | 7.1\% | 11.1\% |

## Sensitivity of Class SD to Prepayments

 Assumed Price 5.125\%*| LIBOR |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |

* The price does not include accrued interest. Accrued interest has been added to the price in calculating the yields set forth in the table.
** Indicates that investors will suffer a loss of virtually all of their investment.


## Sensitivity of Class SE to Prepayments

 Assumed Price 1.75\%*| LIBOR | PSA Prepayment Assumption Rates |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 150\% | 355\% | 525\% | 750\% |
| 7.500\% and below | 27.4\% | 11.7\% | (2.2)\% | (22.5)\% |
| 7.825\% | 6.9\% | (7.5)\% | (20.2)\% | (38.8)\% |
| 8.150\% and above | ** | ** | ** | ** |

## Sensitivity of Class SH to Prepayments Assumed Price 100.125\%*

|  | PSA Prepayment Assumption Rates |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| LIBOR | 150\% | 355\% | 525\% | 750\% |
| 7.500\% and below | 8.2\% | 8.2\% | 8.2\% | 8.2\% |
| 7.825\% | 4.1\% | 4.1\% | 4.1\% | 4.1\% |
| 8.150\% and above | 0.0\% | 0.1\% | 0.1\% | 0.1\% |

## Sensitivity of Class SI to Prepayments Assumed Price 101.875\%*

| LIBOR | PSA Prepayment Assumption Rates |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 150\% | 355\% | 525\% | 750\% |
| 7.500\% and below | 8.9\% | 8.6\% | 8.3\% | 7.9\% |
| 7.825\%. | 4.3\% | 4.1\% | 3.9\% | 3.5\% |
| 8.150\% and above | (0.2)\% | (0.4)\% | (0.6)\% | (0.9) \% |

## Sensitivity of Class ST to Prepayments Assumed Price 104.50\%*

| LIBOR | PSA Prepayment Assumption Rates |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 150\% | 355\% | 525\% | 750\% |
| 7.500\% and below | 9.6\% | 9.0\% | 8.4\% | 7.4\% |
| 7.825\% | 4.5\% | 4.0\% | 3.4\% | 2.5\% |
| 8.150\% and above | (0.5)\% | (1.0)\% | (1.5)\% | (2.4) \% |

## SECURITY GROUP 7

Sensitivity of Class EL to Prepayments
Assumed Price 81.00\%

| PSA Prepayment Assumption Rates |  |  |  |
| :--- | :--- | :--- | :--- |
| $\underline{\mathbf{1 5 0 \%}}$ | $\underline{\mathbf{3 5 5} \%}$ | $\underline{\mathbf{5 2 5} \%}$ | $\underline{\mathbf{7 5 0 \%}}$ |
| $2.9 \%$ | $6.1 \%$ | $9.4 \%$ | $14.8 \%$ |

* The price does not include accrued interest. Accrued interest has been added to the price in calculating the yields set forth in the table.
** Indicates that investors will suffer a loss of virtually all of their investment.

Sensitivity of Class SG to Prepayments Assumed Price 96.75\%*

| LIBOR | PSA Prepayment Assumption Rates |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 150\% | 355\% | 525\% | 750\% |
| 3.125\% | 13.7\% | 14.2\% | 14.7\% | 15.4\% |
| 4.125\% | 11.0\% | 11.5\% | 12.0\% | 12.8\% |
| 6.125\% | 5.7\% | 6.2\% | 6.8\% | 7.6\% |
| 8.150\% | 0.5\% | 1.0\% | 1.5\% | 2.4\% |

Sensitivity of Class SK to Prepayments Assumed Price 7.00\%*

| LIBOR | PSA Prepayment Assumption Rates |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 150\% | 355\% | 525\% | 750\% |
| 3.125\% | 68.4\% | 50.2\% | 33.9\% | 10.3\% |
| 4.125\% | 51.2\% | 34.0\% | 18.7\% | (3.4) \% |
| 6.125\% | 18.7\% | 3.6\% | (9.9) \% | (29.4) \% |
| 8.150\% and above | ** | ** | ** | ** |

## SECURITY GROUP 8

Sensitivity of Class PG to Prepayments Assumed Price 74.25\%*

| LIBOR | PSA Prepayment Assumption Rates |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 100\% | 177\% | 300\% | 450\% |
| 3.15\% | 20.6\% | 20.6\% | 20.7\% | 21.4\% |
| 4.15\% | 15.4\% | 15.4\% | 15.6\% | 16.3\% |
| 6.15\% | 5.6\% | 5.6\% | 5.8\% | 6.7\% |
| 7.00\% | 1.7\% | 1.7\% | 1.9\% | 2.8\% |

## Sensitivity of Class PS to Prepayments Assumed Price 81.00\%*

| LIBOR | PSA Prepayment Assumption Rates |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 100\% | 177\% | 300\% | 450\% |
| 3.15\% | 16.6\% | 16.6\% | 16.7\% | 17.2\% |
| 4.15\% | 13.3\% | 13.3\% | 13.5\% | 14.0\% |
| 6.15\% | 7.0\% | 7.0\% | 7.2\% | 7.8\% |
| 8.08\% and above | 1.2\% | 1.2\% | 1.4\% | 2.0\% |

* The price does not include accrued interest. Accrued interest has been added to the price in calculating the yields set forth in the table.
** Indicates that investors will suffer a loss of virtually all of their investment.


## Sensitivity of Class PT to Prepayments Assumed Price 96.00\%*

| LIBOR | PSA Prepayment Assumption Rates |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 100\% | 177\% | 300\% | 450\% |
| 7.00\% and below | 9.7\% | 9.7\% | 9.7\% | 9.8\% |
| 7.50\% | 5.2\% | 5.2\% | 5.3\% | 5.4\% |
| 8.08\% and above | 0.2\% | 0.2\% | 0.3\% | 0.4\% |

## SECURITY GROUP 9

Sensitivity of Class SM to Prepayments Assumed Price 7.00\%*


Sensitivity of Class SO to Prepayments Assumed Price 97.00\%*

| $\underline{\text { LIBOR }}$ | PSA Prepayment Assumption Rates |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 150\% | 355\% | 525\% | 750\% |
| 3.08\% | 13.8\% | 14.2\% | 14.6\% | 15.3\% |
| 4.08\% | 11.1\% | 11.5\% | 12.0\% | 12.7\% |
| 6.08\% | 5.8\% | 6.3\% | 6.8\% | 7.5\% |
| 8.15\% | 0.5\% | 1.0\% | 1.5\% | 2.3\% |

* The price does not include accrued interest. Accrued interest has been added to the price in calculating the yields set forth in the table.
** Indicates that investors will suffer a loss of virtually all of their investment.


## CERTAIN FEDERAL INCOME TAX CONSEQUENCES

The following tax discussion, when read in conjunction with the discussion of "Certain Federal Income Tax Consequences" in the Base Offering Circular, describes the material federal income tax considerations for investors in the Securities. However, these two tax discussions do not purport to deal with all federal tax consequences applicable to all categories of investors, some of which may be subject to special rules.

Investors should consult their own tax advisors in determining the federal, state, local and any other tax consequences to them of the purchase, ownership and disposition of the Securities.

## REMIC Elections

In the opinion of Cleary, Gottlieb, Steen \& Hamilton, for federal income tax purposes, the Trust will constitute a Double REMIC Series. Separate REMIC elections will be made for the Pooling REMIC and the Issuing REMIC.

## Regular Securities

The Regular Securities will be treated as debt instruments issued by the Issuing Trust REMIC for federal income tax purposes. Income on the Regular Securities must be reported under an accrual method of accounting.

The Class EA and EL Securities are Principal Only Securities. Principal Only Securities are treated for federal income tax purposes as having been issued with an amount of original issue discount ("OID") equal to the difference between their principal balance and their issue price.

The Class SA, SD, SE, SJ, SK, SM and VI Securities are "Interest Weighted Securities" as described in "Certain Federal Income Tax Consequences - Tax Treatment of Regular Securities - Interest Weighted Securities and Non-VRDI Securities" in the Base Offering Circular. Although the tax treatment of Interest Weighted Securities is not entirely certain, Holders of the Interest Weighted Securities should expect to accrue all income on these Securities (other than income attributable to market discount or de minimis market discount) under the OID rules based on the expected payments on these securities at the prepayment assumption described below.

The Class ZA Securities are Accrual Securities. Holders of Accrual Securities are required to accrue all income from their Securities (other than income attributable to market discount or de minimis market discount) under the OID rules based on the expected payments on the Accrual Securities at the prepayment assumption described below.

In addition, based on anticipated prices (including accrued interest), the assumed Mortgage Loan characteristics, the prepayment assumption described below and, in the case of the Floating Rate Classes, the constant LIBOR values described below, Classes DA, DB, DC, PG, PT and SO are expected to be issued with OID.

Prospective investors in the Securities should be aware, however, that the foregoing expectations about OID could change because of differences (1) between anticipated purchase prices and actual purchase prices or (2) between the assumed characteristics of the Trust Assets and the characteristics of the Trust Assets actually delivered to the Trust. The prepayment assumption that should be used in determining the rates of accrual of OID, if any, on the Regular Securities is $164 \%$ PSA for the Group 1 and 5 Securities, $300 \%$ PSA for the Group 2 Securities, $180 \%$ PSA for the Group 3 Securities, 208\% PSA for the Group 4 Securities, $355 \%$ PSA for the Group 6, 7 and 9 Securities, and $177 \%$ for the Group 8 Securities (as described in "Yield, Maturity and Prepayment Considerations" in this Supplement). In the case of the Floating Rate Classes, the value of LIBOR to be used for these determinations is $4.08 \%$ for the Group 9 Securities, $4.125 \%$ for the Group 7 Securities, $4.15 \%$ for the Group 2 and 8 Securities and $4.43 \%$ for the Group 6 Securities. No representation is made, however, about the rate at which prepayments on the Mortgage Loans underlying any Group of Trust Assets actually will occur or the level of LIBOR at any time after the date of this Supplement. See "Certain Federal Income Tax Consequences" in the Base Offering Circular.

OID accruals on the Underlying Certificates will be computed using the same prepayment assumption as set forth above.

The Regular Securities generally will be treated as "regular interests" in a REMIC for domestic building and loan associations, "permitted assets" for financial asset securitization investment trusts ("FASITs"), and "real estate assets" for real estate investment trusts ("REITs") as described in "Certain Federal Income Tax Consequences" in the Base Offering

Circular. Similarly, interest on the Regular Securities will be considered "interest on obligations secured by mortgages on real property" for REITs.

## Residual Securities

The Class RR Securities will represent the beneficial ownership of the Residual Interest in the Pooling REMIC and the beneficial ownership of the Residual Interest in the Issuing REMIC. The Residual Securities, i.e., the Class RR Securities, generally will be treated as "residual interests" in a REMIC for domestic building and loan associations and as "real estate assets" for REITS, as described in "Certain Federal Income Tax Consequences" in the Base Offering Circular, but will not be treated as debt for federal income tax purposes. Instead, the Holders of the Residual Securities will be required to report, and will be taxed on, their pro rata shares of the taxable income or loss of the Trust REMICs, and these requirements will continue until there are no outstanding regular interests in the respective Trust REMICs. Thus, Residual Holders will have taxable income attributable to the Residual Securities even though they will not receive principal or interest distributions with respect to the Residual Securities, which could result in a negative after-tax return for the Residual Holders. It is not expected that the Pooling REMIC will have a substantial amount of taxable income or loss in any period. However, even though the Holders of the Class RR Securities are not entitled to any stated principal or interest payments on the Class RR Securities, the Issuing REMIC may have substantial taxable income in certain periods, and offsetting tax losses may not occur until much later periods. Accordingly, a Holder of the Class RR Securities may experience substantial adverse tax timing consequences. Prospective investors are urged to consult their own tax advisors and consider the after-tax effect of ownership of the Residual Securities and the suitability of the Residual Securities to their investment objectives.

Prospective Holders of Residual Securities should be aware that, at issuance, based on the expected prices of the Regular and Residual Securities and the prepayment assumption described above, the residual interests represented by the Residual Securities will be treated as "noneconomic residual interests" as that term is defined in Treasury regulations.

On December 8, 2000, the IRS issued Revenue Procedure 2001-12, effective February 4, 2000, pending finalization of proposed regulations, which expands the safe harbor for the transfers of noneconomic residual interests to include transfers to certain taxable domestic corporations with significant gross and net assets, provided that those corporations agree to transfer the residual interests only to other taxable domestic corporations in transactions qualifying for one of the safe harbor provisions. Eligibility for the expanded safe harbor requires, among other things, that the transferor not know of any facts or circumstances that reasonably indicate that the taxes associated with the residual interest will not be paid. The Revenue Procedure provides that transfers to foreign branches of domestic corporations or transfers involving arrangements that subject income from the residual interest to net tax by a foreign country or possession of the United States are not within the safe harbor, and also provides that if the amount of consideration given to the transferee to acquire the residual interest is so low that under any set of reasonable assumptions a reasonable person would conclude that the taxes associated with holding the residual interest will not be paid, then the transferor will be deemed to know that the transferee cannot or will not pay those taxes. See "Certain Federal Income Tax Consequences - Tax Treatment of Residual Securities - NonRecognition of Certain Transfers for Federal Income Tax Purposes" in the Base Offering Circular.

## MX Securities

For a discussion of certain federal income tax consequences applicable to the MX Classes, see "Certain Federal Income Tax Consequences - Tax Treatment of MX Securities", "— Exchanges of MX Classes and Regular Classes" and "- Taxation of Foreign Holders of REMIC Securities and MX Securities" in the Base Offering Circular.

## ERISA MATTERS

Ginnie Mae guarantees distributions of principal and interest with respect to the Securities. The Ginnie Mae Guaranty is supported by the full faith and credit of the United States of America. The Securities will qualify as "guaranteed governmental mortgage pool certificates" within the meaning of a Department of Labor regulation, the effect of which is to provide that mortgage loans underlying a "guaranteed governmental mortgage pool certificate" will not be considered assets of an employee benefit plan subject to the Employee Retirement Income Security Act of 1974, as amended ("ERISA"), solely by reason of the Plan's purchase and holding of that certificate.

Plan investors should consult with their advisors, however, to determine whether the purchase, holding, or resale of a Security could give rise to a transaction that is prohibited or is not otherwise permissible under either ERISA or the Code.

See "ERISA Considerations" in the Base Offering Circular.
The Residual Securities are not offered to, and may not be transferred to, Plans.

## LEGAL INVESTMENT CONSIDERATIONS

Institutions whose investment activities are subject to legal investment laws and regulations or to review by certain regulatory authorities may be subject to restrictions on investment in the Securities. No representation is made about the proper characterization of any Class for legal investment or other purposes, or about the permissibility of the purchase by particular investors of any Class under applicable legal investment restrictions.

Investors should consult their own legal advisors regarding applicable investment restrictions and the effect of any restrictions on the liquidity of the Securities prior to investing in the Securities.

See "Legal Investment Considerations" in the Base Offering Circular.

## PLAN OF DISTRIBUTION

Subject to the terms and conditions of the Sponsor Agreement, the Sponsor has agreed to purchase all of the Securities if any are sold and purchased. The Sponsor proposes to offer each Class to the public from time to time for sale in negotiated transactions at varying prices to be determined at the time of sale, plus accrued interest, if any, from (1) May 1, 2001 on the Fixed Rate Classes (other than Class VI), (2) May 16, 2001 on the Group 2, 6 and 7 Classes, (3) May 17, 2001 on the Group 8 Classes and (4) May 20, 2001 on the Group 9 Classes. The Sponsor may effect these transactions by sales to or through certain securities dealers. These dealers may receive compensation in the form of discounts, concessions or commissions from the Sponsor and/or commissions from any purchasers for which they act as agents. Some of the Securities may be sold through dealers in relatively small sales. In the usual case, the commission charged on a relatively small sale of securities will be a higher percentage of the sales price than that charged on a large sale of securities.

## INCREASE IN SIZE

Before the Closing Date, Ginnie Mae, the Trustee and the Sponsor may agree to increase the size of this offering. In that event, the Securities will have the same characteristics as described in this Supplement, except that the Original Class Principal Balance (or original Class Notional Balance) of each Class will increase by the same proportion. The Trust Agreement, the Final Data Statement and the Supplemental Statement, if any, will reflect any increase in the size of the transaction.

## LEGAL MATTERS

Certain legal matters will be passed upon for Ginnie Mae by Hunton \& Williams, Richmond, Virginia; for the Trust by Cleary, Gottlieb, Steen \& Hamilton and Marcell Solomon \& Associates, P.C.; and for the Trustee by Ungaretti \& Harris, Chicago, Illinois.
Schedule I
Available Combinations

| REMIC Securities |  | MX Securities |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Class | Original Class <br> Principal Balance or Class <br> Notional Balance | $\begin{aligned} & \text { Related } \\ & \text { MX } \\ & \text { Class(1) } \end{aligned}$ | Maximum <br> Original Class <br> Principal Balance <br> or Class <br> Notional Balance(2) | Principal Type(3) | Interest Rate | $\begin{gathered} \text { Interest } \\ \text { Type (3) } \\ \hline \end{gathered}$ | CUSIP <br> Number | Final Distribution Date(4) | Increased <br> Minimum <br> Denomination(5) |
| Security Group 1 |  |  |  |  |  |  |  |  |  |
| Combination 1 |  |  |  |  |  |  |  |  |  |
| A | \$507,570,000 | C | \$539,740,000 | SEQ | 6.500\% | FIX | 38373 R B S 7 | February 2028 | N/A |
| B . . . . . . . | 32,170,000 |  |  |  |  |  |  |  |  |
| Combination 2 |  |  |  |  |  |  |  |  |  |
| A | \$507,570,000 | CA | \$575,390,000 | SEQ | 6.500\% | FIX | 38373 RBT5 | October 2028 | N/A |
| B | 32,170,000 |  |  |  |  |  |  |  |  |
| BA. | 35,650,000 |  |  |  |  |  |  |  |  |
| Combination 3 |  |  |  |  |  |  |  |  |  |
| A | \$507,570,000 | CB | \$585,390,000 | SEQ | 6.500\% | FIX | 38373 RBU2 | January 2029 | N/A |
| B | 32,170,000 |  |  |  |  |  |  |  |  |
| BA. | 35,650,000 |  |  |  |  |  |  |  |  |
| BC | 10,000,000 |  |  |  |  |  |  |  |  |
| Combination 4 d |  |  |  |  |  |  |  |  |  |
| B . | \$ 32,170,000 | CD | \$ 67,820,000 | SEQ | 6.500\% | FIX | 38373 R BV0 | October 2028 | N/A |
|  | 35,650,000 |  |  |  |  |  |  |  |  |
| Combination 5 |  |  |  |  |  |  |  |  |  |
| B . | \$ 32,170,000 | CE | \$ 77,820,000 | SEQ | 6.500\% | FIX | 38373 RBW8 | January 2029 | N/A |
| BA. | 35,650,000 |  |  |  |  |  |  |  |  |
| BC | 10,000,000 |  |  |  |  |  |  |  |  |
| Combination 6 |  |  |  |  |  |  |  |  |  |
| A | \$507,570,000 | AB | \$507,570,000 | SEQ | 5.750\% | FIX | 38373 RBX6 | June 2027 | N/A |
|  |  | AC | 507,570,000 | SEQ | 6.000 | FIX | 38373 RBY4 | June 2027 | N/A |
|  |  | AD | 507,570,000 | SEQ | 6.125 | FIX | 38373 R BZ1 | June 2027 | N/A |
|  |  | AE | 507,570,000 | SEQ | 6.250 | FIX | 38373 RCA5 | June 2027 | N/A |
|  |  | AF | 507,570,000 | SEQ | 6.375 | FIX | 38373 R CB3 | June 2027 | N/A |
|  |  | AG | 439,894,000 | SEQ | 7.500 | FIX | 38373 R CC 1 | June 2027 | N/A |
|  |  | AH | 412,400,625 | SEQ | 8.000 | FIX | 38373 RCD9 | June 2027 | N/A |
|  |  | AJ | 388,141,764 | SEQ | 8.500 | FIX | 38373 RCE 7 | June 2027 | N/A |
|  |  | AK | 366,578,333 | SEQ | 9.000 | FIX | 38373 R CF 4 | June 2027 | N/A |
|  |  | AI | 507,570,000 | NTL(SEQ) | 6.500 | FIX/IO | 38373 RCG2 | June 2027 | \$417,000 |
|  |  | AP | 507,570,000 | SEQ | 0.000 | PO | 38373RCH0 | June 2027 | \$131,000 |


| REMIC Securities |  | MX Securities |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Class | Original Class Principal Balance or Class Notional Balance | $\begin{gathered} \text { Related } \\ \text { MX } \\ \text { Class(1) } \\ \hline \end{gathered}$ | Maximum Original Class Principal Balance or Class Notional Balance(2) | Principal Type (3) Type (3) | Interest | Interest Type(3) | CUSIP Number | $\begin{gathered} \text { Final } \\ \text { Distribution } \\ \text { Date(4) } \end{gathered}$ | $\begin{gathered} \text { Increased } \\ \text { Minimum } \\ \text { Denomination(5) } \\ \hline \end{gathered}$ |
| Combination 7 |  |  |  |  |  |  |  |  |  |
| CE (7).. | \$ 77,820,000 | BD | \$ 77,820,000 | SEQ | 5.750\% | FIX | 38373 R CJ 6 | January 2029 | N/A |
|  |  | BE | 77,820,000 | SEQ | 6.000 | FIX | 38373RCK3 | January 2029 | N/A |
|  |  | BF | 77,820,000 | SEQ | 6.125 | FIX | 38373 RCL1 | January 2029 | N/A |
|  |  | BG | 77,820,000 | SEQ | 6.250 | FIX | 38373RCM9 | January 2029 | N/A |
|  |  | BH | 77,820,000 | SEQ | 6.375 | FIX | 38373 RCN 7 | January 2029 | N/A |
|  |  | BJ | 67,444,000 | SEQ | 7.500 | FIX | 38373 RCP 2 | January 2029 | N/A |
|  |  | BK | 63,228,750 | SEQ | 8.000 | FIX | 38373 RCQ0 | January 2029 | N/A |
|  |  | BL | 59,509,411 | SEQ | 8.500 | FIX | 38373 RCR8 | January 2029 | N/A |
|  |  | BM | 56,203,333 | SEQ | 9.000 | FIX | 38373 R CS 6 | January 2029 | N/A |
|  |  | BI | 77,820,000 | NTL(SEQ) | 6.500 | FIX/IO | 38373 RCT4 | January 2029 | \$233,000 |
|  |  | BP | 77,820,000 | SEQ | 0.000 | PO | 38373 RCU1 | January 2029 | \$180,000 |
| Security Group 4 |  |  |  |  |  |  |  |  |  |
| Combination 8 |  |  |  |  |  |  |  |  |  |
| K........ | \$120,865,427 | HA | \$120,865,427 | SC/PT | 5.750\% | FIX | 38373RCV9 | May 2026 | N/A |
|  |  | HB | 120,865,427 | SC/PT | 5.875 | FIX | 38373 RCW7 | May 2026 | N/A |
|  |  | H | 120,865,427 | SC/PT | 6.000 | FIX | 38373 RCX5 | May 2026 | N/A |
|  |  | HC | 120,865,427 | SC/PT | 6.125 | FIX | 38373 RCY3 | May 2026 | N/A |
|  |  | HD | 120,865,427 | SC/PT | 6.250 | FIX | 38373 RCZ0 | May 2026 | N/A |
|  |  | HE | 120,865,427 | SC/PT | 6.375 | FIX | 38373 RDA4 | May 2026 | N/A |
|  |  | HF | 98,203,159 | SC/PT | 8.000 | FIX | 38373 RDB2 | May 2026 | N/A |
|  |  | HG | 92,426,503 | SC/PT | 8.500 | FIX | 38373 RDC0 | May 2026 | N/A |
|  |  | HJ | 87,291,697 | SC/PT | 9.000 | FIX | 38373 RDD8 | May 2026 | N/A |
|  |  | Hi | 112,232,182 | NTL(SC/PT) | 7.000 | FIX/IO | 38373 RDE 6 | May 2026 | \$602,000 |
|  |  | HP | 120,865,427 | SC/PT | 0.000 | PO | 38373 RDF3 | May 2026 | \$117,000 |
| Security Group 6 |  |  |  |  |  |  |  |  |  |
| Combination 9 |  |  |  |  |  |  |  |  |  |
| EA | \$ 21,911,765 | SH | \$ 21,911,765 | PT | (6) | INV | 38373 RDG 1 | May 2031 | \$101,000 |
| SE...... | 273,897,059 |  |  |  |  |  |  |  |  |
| Combination 10 |  |  |  |  |  |  |  |  |  |
| EA | \$ 21,911,765 | SI | \$ 21,911,765 | PT | (6) | INV | 38373RDH9 | May 2031 | \$ 99,000 |
| SE. . | 306,764,706 |  |  |  |  |  |  |  |  |
| Combination 11 ( |  |  |  |  |  |  |  |  |  |
| EA | \$ 21,911,765 | ST | \$ 21,911,765 | PT | (6) | INV | 38373 R DJ 5 | May 2031 | \$ 97,000 |
| SE. | 350,588,235 |  |  |  |  |  |  |  |  |
| Security Group 7 |  |  |  |  |  |  |  |  |  |
| Combination 12 |  |  |  |  |  |  |  |  |  |
| EL. | \$ 10,176,471 | SG | \$ 10,176,471 | PT | (6) | INV | 38373 RDK2 | May 2031 | \$105,000 |
| SK. | 25,441,176 |  |  |  |  |  |  |  |  |

REMIC Securities

Exhibit A



$$
\begin{aligned}
& 1 \mathrm{E}_{2} 0_{8}^{8} \\
& \text { H2 } \\
& \text { HIITH } \\
& \text { (1) As defined under "Class Types" in Appendix I to the Base Offering Circular }
\end{aligned}
$$

## Exhibit B

Cover Page and Terms Sheet from Underlying REMIC Disclosure Documents

# \$500,000,000 <br> Government National Mortgage Association GINNIE MAE 

## Guaranteed REMIC Pass-Through Securities GNMA REMIC Trust 1996-6

The GNMA REMIC Trust 1996-6 Guaranteed REMIC Pass-Through Securities (the "Securities") represent interests in the GNMA REMIC Trust 1996-6 (the "Trust"). The assets of the Trust consist primarily of GNMA I Certificates guaranteed pursuant to GNMA programs for first lien, single-family, fixed rate residential mortgage loans.

The Classes listed in the table below are offered pursuant to this Offering Circular Supplement and the Base Offering Circular. Unless indicated otherwise, capitalized terms used herein shall have the meanings assigned to them in the glossary attached as Appendix III to the Base Offering Circular. For a discussion of material risks in connection with the purchase of the Classes, see "Risk Factors-Class Investment Considerations" on page S-11 of this Supplement.

GNMA GUARANTEES THE TIMELY PAYMENT OF PRINCIPAL AND INTEREST ON THE SECURITIES. THE GNMA GUARANTY IS BACKED BY THE FULL FAITH AND CREDIT OF THE UNITED STATES OF AMERICA. THE SECURITIES ARE EXEMPT FROM THE REGISTRATION REQUIREMENTS OF THE SECURITIES ACT OF 1933 AND CONSTITUTE EXEMPTED SECURITIES UNDER THE SECURITIES EXCHANGE ACT OF 1934.
(Cover continued on next page)

| Class | Original Principal Balance(1) | Interest Rate | $\begin{aligned} & \text { Principal } \\ & \text { Type(2) } \end{aligned}$ | $\begin{aligned} & \text { Interest } \\ & \text { Type(2) } \end{aligned}$ | $\begin{gathered} \text { Final } \\ \text { Distribution } \\ \text { Date(3) } \end{gathered}$ | Weighted Average <br> Life at 115\% PSA (in Years)(4) | $\begin{aligned} & \text { CUSIP } \\ & \text { Number } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| PA | \$16,000,000 | 6.50\% | PAC I | FIX | September 2006 | 1.0 | $3837 \mathrm{HON} \mathrm{H2}$ |
| PB | 21,077,000 | 6.50 | PAC I | FIX | June 2009 | 2.5 | 3837 HON J 8 |
| PC | 26,116,000 | 6.50 | PAC I | FIX | May 2012 | 3.5 | 3837H0N K5 |
| PD | 19,766,000 | 6.50 | PAC I | FIX | March 2014 | 4.5 | 3837HON L3 |
| PE | 46,168,000 | 6.50 | PAC I | FIX | October 2017 | 6.0 | 3837H0N M1 |
| PG | 37,692,000 | 6.50 | PAC I | FIX | February 2020 | 8.0 | 3837H0N N9 |
| PH | 71,251,000 | 6.50 | PAC I | FIX | October 2023 | 11.0 | 3837H0N P4 |
| PJ | 28,067,000 | 6.50 | PAC I | FIX | December 2024 | 15.0 | 3837HON Q2 |
| PK | 18,312,000 | 6.50 | PAC I | FIX | September 2025 | 18.2 | 3837H0N R0 |
| PL | 18,312,000 | 6.50 | PAC I | FIX | May 2026 | 22.9 | 3837 HON S 8 |
| PM | 21,342,000 | 6.50 | PAC II | FIX | May 2026 | 20.5 | 3837 HON T6 |
| F | 31,276,555 | (5) | SUP | FLT | May 2020 | 1.6 | 3837H0N U3 |
| S | 12,029,445 | (5) | SUP | INV | May 2020 | 1.6 | 3837H0N V1 |
| A | 83,319,000 | 6.50 | CPT | FIX | October 2008 | 3.1 | 3837 HON W9 |
| B | 9,901,000 | 6.50 | AD/SUP | FIX | May 2010 | 7.9 | 3837H0N X7 |
| Z | 11,100,000 | 6.50 | SUP | FIX/Z | December 2021 | 10.2 | $3837 \mathrm{HON} \mathrm{Y5}$ |
| ZA | 28,271,000 | 6.50 | SUP | FIX/Z | May 2026 | 19.2 | 3837HON Z2 |
| R | 0 | O | NPR | NPR | May 2026 |  | 3837H0P A5 |

(1) Subject to proportionate increase as described under "Increase in Size" in this Supplement.
(2) As defined under "Class Types" in Appendix I to the Base Offering Circular.
(3) See "Yield, Maturity and Prepayment Considerations-Final Distribution Date" in this Supplement.
(4) Determined as described under "Yield, Maturity and Prepayment Considerations" in this Supplement. Prepayments will not occur at any assumed rate shown or any other constant rate, and the actual Weighted Average Lives of any or all of the Classes are likely to differ from those shown, perhaps significantly.
(5) The Floating Rate and Inverse Floating Rate Classes will bear interest as described under "Terms Sheet-Interest Rates."

The Securities are being offered by Bear, Stearns \& Co. Inc. (the "Sponsor") and Myerberg \& Company, L.P. (the "Co-Sponsor") from time to time in negotiated transactions at varying prices to be determined at the time of sale, plus accrued interest from May 1,1996 , on the Fixed Rate Classes and from May 16, 1996, on the Floating Rate and Inverse Floating Rate Classes.

The Securities are offered subject to receipt and acceptance by the Sponsor, to prior sale and to the Sponsor's right to reject any order in whole or in part and to withdraw, cancel or modify the offer without notice. It is expected that the Regular Securities will be ready for delivery in Book-Entry Form through the facilities of Participants Trust Company and that the Residual Securities will be delivered in certificated form to the offices of Bear, Stearns \& Co. Inc. in New York, New York, on or about May 30, 1996.

Bear, Stearns \& Co. Inc.
Myerberg \& Company, L.P.
The date of this Offering Circular Supplement is May 23, 1996.

## GNMA REMIC TRUST 1996-6 TERMS SHEET

This terms sheet (the "Terms Sheet") contains selected information for quick reference only. Potential investors should read this Supplement, particularly "Risk Factors-Class Investment Considerations," and the Base Offering Circular for further information.

Sponsor: Bear, Stearns \& Co. Inc.
Trustee: State Street Bank and Trust Company
Tax Administrator: The Trustee
Closing Date: May 30, 1996
Distribution Date: The 16th day of each month or, if the 16 th day is not a Business Day, the first
Business Day thereafter, commencing in June, 1996.
Certificate Rate: 6.5\%
Trustee Fee: $149 / 500,149$ of all principal and interest distributions on the GNMA Certicates. Assumed Mortgage Loan Characteristics (as of May 1, 1996):


The actual remaining terms to maturity and loan ages of many of the Mortgage Loans will differ from the weighted averages shown above, perhaps significantly. See "The GNMA Certificates" in this Supplement.
Modeling Assumptions: Set forth under "Yield, Maturity and Prepayment Considerations" in this Supplement.
Increased Minimum Denomination Class: Class S
Interest Rates: The Interest Rates for the Fixed Rate Classes are shown on the cover page of this Supplement.
The Floating Rate and Inverse Floating Rate Classes will bear interest based on one-month LIBOR (hereinafter referred to as "LIBOR") as follows:

| Class | Interest Rate Formula | Initial <br> Interest Rate* | $\xrightarrow[\text { Rate }]{\substack{\text { Minimum }}}$ | $\begin{aligned} & \text { Maximum } \\ & \quad \text { Rate } \\ & \hline \end{aligned}$ | $\begin{array}{c}\text { Delay } \\ \text { (in days) }\end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| F | LIBOR + 0.5\% | 6.00\% | 0.50\% | 9.00\% | 0 |
| S | 22.1\% - (2.6 $\times$ LIBOR) | 7.80\% | 0.00\% | 22.10\% | 0 |

[^1]Allocation of Principal: On each Distribution Date, 149/500,149 of the Principal Distribution Amount will be applied to the Trustee Fee, and the remaining 500,000/500,149 of the Principal Distribution Amount and the Accrual Amounts will be allocated as follows:

- The Class Z and Class ZA Accrual Amounts in the following order of priority:
${ }_{\substack{\text { A Arration }}}\{1$. To $A 2$ and $B$, in that order, until retired
- 500,000/500,149 of the Principal Distribution Amount and, following payment in full of B, any remaining Accrual Amounts in the following order of priority:

| $\begin{gathered} \text { PAC } I \\ \text { Pact } \\ \text { Campone } \end{gathered}$ | 1. To PA and A1, pro rata, until reduced to their Scheduled Principal Balances for that Distribution Date |
| :---: | :---: |
| pact | $\left\{\begin{array}{l} \text { 2. To PB, PC, PD, PE, PG, PH, PJ, PK and PL, in that order, until reduced to their } \\ \text { Scheduled Principal Balances for that Distribution Date } \end{array}\right.$ |
| PaC II | \{ 3. To PM until reduced to its Scheduled Principal Balance for that Distribution Date |
| Supart | $\{4$. To $F$ and S, pro rata, until retired |
| Stupatl | 5. To A2, B, Z and ZA, in that order, until retired |
| pacit | \{ 6. To PM, without regard to its Scheduled Principal Balance, until retired |
| ${ }^{\text {pac }{ }^{\prime} / 1}$ ${ }_{c}$ | $\left\{\begin{array}{c}\text { 7. To PA and A1, pro rata, without regard to their Scheduled Principal Balances, until } \\ \text { retired }\end{array}\right.$ |
| paci | $\left\{\begin{array}{l} \text { 8. To PB, PC, PD, PE, PG, PH, PJ, PK and PL, in that order, without regard to their } \\ \text { Scheduled Principal Balances, until retired } \end{array}\right.$ |

Accrual Classes: Classes Z and ZA are Accrual Classes. Interest will accrue on each Accrual Class at the per annum rate set forth on the cover page of this Supplement. However, such interest will not be distributed thereon. Interest so accrued and unpaid on each Accrual Class will be added to the Class Principal Balance of that Class on each Distribution Date.
Component Class: For purposes of calculating distributions of principal, Class A is comprised of two components having the designations and characteristics set forth below. Components are not separately transferable from the related Class of Securities.

| Class | Components | Principal Type | Interest Rate | Original <br> Principal <br> Balance |
| :---: | :---: | :---: | :---: | :---: |
| A | A1 | PAC I | 6.50\% | \$35,021,000 |
|  | A2 | AD/SUP | 6.50\% | \$48,298,000 |

Structuring Ranges: The PAC I Classes and Component and the PAC II Class have the following Structuring Ranges:

| Class or Component | Ranges |
| :---: | :---: |
| PAC I | 65\% PSA through 200\% PSA |
| PAC II | 65\% PSA through 165\% PSA |

The Effective Range for a Class or Component may differ from its Structuring Range. The Effective Ranges for the PAC I Classes and Component and the PAC II Class are set forth under "Risk Factors-Class Investment Considerations-PAC Classes (Classes PA, PB, PC, PD, PE, PG, PH, PJ, PK, PL and PM) and Component (Component A1)" in this Supplement.

Weighted Average Lives (in years)*:

| Class | PSA Prepayment Assumption |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 0\% | 65\% | 115\% | 165\% | 200\% | 450\% |
| PA | 4.3 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| PB | 9.0 | 2.5 | 2.5 | 2.5 | 2.5 | 1.8 |
| PC | 11.4 | 3.5 | 3.5 | 3.5 | 3.5 | 2.1 |
| PD | 13.3 | 4.5 | 4.5 | 4.5 | 4.5 | 2.4 |
| PE | 15.2 | 6.0 | 6.0 | 6.0 | 6.0 | 2.9 |
| PG | 17.1 | 8.0 | 8.0 | 8.0 | 8.0 | 3.6 |
| PH | 19.2 | 11.0 | 11.0 | 11.0 | 11.0 | 5.0 |
| PJ | 20.9 | 15.0 | 15.0 | 15.0 | 15.0 | 7.0 |
| PK | 21.6 | 18.2 | 18.2 | 18.2 | 18.2 | 8.8 |
| PL | 23.4 | 22.9 | 22.9 | 22.9 | 22.9 | 12.7 |
| PM | 23.1 | 20.5 | 20.5 | 20.5 | 6.7 | 1.5 |
| F | 23.3 | 13.9 . | 1.6 | 0.8 | 0.6 | 0.2 |
| S. | 23.3 | 13.9 | 1.6 | 0.8 | 0.6 | 0.2 |
| A | 5.8 | 4.5 | 3.1 | 1.8 | 1.4 | 0.7 |
| B | 13.2 | 13.2 | 7.9 | 3.7 | 2.6 | 0.8 |
| Z | 24.8 | 17.1 | 10.2 | 4.4 | 3.1 | 0.9 |
| ZA . | 27.9 | 23.0 | 19.2 | 8.0 | 4.3 | 1.2 |

[^2]Tax Status: Single REMIC Series. See "Certain Federal Income Tax Consequences" in this Supplement and in the Base Offering Circular.
Regular and Residual Classes: Class R is a Residual Class; all other Classes are Regular Classes. Suitability: The Securities of any Class may not be suitable investments for all investors. The Sponsor intends to make a market for the Securities but is not obligated to do so. There can be no assurance that such a secondary market will develop or, if developed, that it will continue. Thus, investors may not be able to sell their Securities readily or at prices that will enable them to realize their anticipated yield. The market values of the Securities are likely to fluctuate. The fluctuations may be significant and could result in significant losses to investors. No investor should purchase Securities of any Class unless the investor understands and is able to bear (i) the prepayment and yield risks associated with that Class and (ii) the risk that the value of such Securities will fluctuate over time and that such Securities may not be readily salable.

# AannieMae 

Guaranteed REMIC Pass-Through Certificates Fannie Mae REMIC Trust 1998-32

The Guaranteed REMIC Pass-Through Certificates offered hereby (the "REMIC Certificates") will represent beneficial ownership interests in one of two trust funds. The REMIC Certificates, other than the RL Class, will represent beneficial ownership interests in Fannie Mae REMIC Trust 1998-32 (the "Trust"). The assets of the Trust will consist of the "regular interests" in a separate trust fund (the "Lower Tier REMIC"). The assets of the Lower Tier REMIC will include (i) two groups of Fannie Mae Guaranteed Mortgage Pass-Through Certificates described herein (the "Group 1 MBS" and "Group 2 MBS" and, together, the "MBS"), (ii) certain "fully modified pass-through" mortgage-backed securities (the "Ginnie Mae Certificates") guaranteed as to timely payment of principal and interest by the Government National Mortgage Association ("Ginnie Mae") and (iii) a non-interest bearing cash deposit of $\$ 999.99$ (the "Retail Cash Deposit" to be applied as described herein. Each MBS represents a beneficial ownership interest in a pool of first lien, singlefamily, fixed-rate residential mortgage loans having the characteristics described herein. Each Ginnie Mae Certificate is based on and backed by a pool of mortgage loans (together with the pools and mortgage loans underlying the MBS, the "Pools" and "Mortgage Loans," respectively) which are either insured or guaranteed by the Federal Housing Administration ("FHA"), the Department of Veterans Affairs ("VA") or the Rural Housing Service ("FmHA"). The Certificates will be issued and guaranteed as to timely distribution of principal and interest by Fannie Mae.

This Prospectus Supplement is intended to be used only in conjunction with the REMIC Prospectus (defined herein). Investors should not purchase the Certificates before reading this Prospectus Supplement, the REMIC Prospectus and the additional Disclosure Documents (defined herein). Such documents may be obtained as described on page S-2.

Prospective investors in the UU Class should consider carefully, as should prospective investors in any Class of Certificates, whether such an investment is appropriate for their investment objectives. See "Description of the Certificates-The Retail Certificates" herein.
See "Additional Risk Factors" on page S-9 hereof and "Certain Risk Factors" beginning on page 10 of the REMIC Prospectus for a discussion of certain risks that should be considered in connection with an investment in the Certificates.
(Cover continued on next page)
THE CERTIFICATES MAY NOT BE SUITABLE INVESTMENTS FOR ALL INVESTORS. NO INVESTOR SHOULD PURCHASE CERTIFICATES UNLESS SUCH INVESTOR UNDERSTANDS AND IS ABLE TO BEAR THE PREPAYMENT, YIELD, LIQUIDITY AND OTHER RISKS ASSOCIATED WITH SUCH CERTIFICATES.

THE CERTIFICATES, TOGETHER WITH ANY INTEREST THEREON, ARE NOT GUARANTEED BY THE UNITED STATES. THE OBLIGATIONS OF FANNIE MAE UNDER ITS GUARANTY OF THE CERTIFICATES ARE OBLIGATIONS SOLELY OF FANNIE MAE AND DO NOT CONSTITUTE AN OBLIGATION OF THE UNITED STATES OR ANY AGENCY OR INSTRUMENTALITY THEREOF OTHER THAN FANNIE MAE. THE CERTIFICATES ARE EXEMPT FROM THE REGISTRATION REQUIREMENTS OF THE SECURITIES ACT OF 1933 AND ARE "EXEMPTED SECURITIES" WITHIN THE MEANING OF THE SECURITIES EXCHANGE ACT OF 1934.

| Class(1) | Group | Original Class Balance | Principal <br> Type(2) | Interest Rate | Interest <br> Type(2) | CUSIP <br> Number | Final Distribution Date | Class(1) | Group | Original Class Balance | Principal <br> Type(2) | Interest Rate | Interest <br> Type(2) | CUSIP <br> Number | Final Distribution Date |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| PK | 1 | \$100,000,000 | PAC | 6.00\% | FIX | 31359 T V X 3 | June 2017 | UU | 1 | \$ 10,000,000(5) | RTL/SUP | 7.00\% | FIX | 31359TWV6 | June 2028 |
| PA | 1 | 93,646,000 | PAC | 6.25 | FIX | 31359 T VY 1 | June 2017 | M | 1 | 13,370,000 | SUP | 7.00 | FIX | 31359 TWW4 | June 2028 |
| PB | 1 | 162,960,000 | PAC | 6.25 | FIX | 31359 TVZ 8 | December 2022 | D | 1 | 50,000,000 | TAC | 6.90 | FIX | 31359 TWX 2 | December 2027 |
| PC | 1 | 274,899,000 | PAC | 7.00 | FIX | 31359 TWA2 | June 2028 | DA | 1 | 48,108,000 | TAC | 7.00 | FIX | 31359 TWY0 | December 2027 |
| PD | 1 | 41,779,214(3) | NTL | 7.00 | FIX/IO | 31359 T W B 0 | December 2022 | DB | 1 | 50,000,000(3) | NTL | 0.10 | FIX/IO | 31359 TWZ7 | December 2027 |
| PE | 1 | 30,000,000 | SCH | 6.80 | FIX | 31359 TWC8 | June 2028 | ZA | 1 | 14,262,000 | SUP | 7.00 | FIX/Z | 31359 T XA 1 | December 2027 |
| PW | 1 | 15,000,000 | SCH | 6.85 | FIX | 31359TWD6 | June 2028 | FB | 1 | 16,638,125 | SUP | (4) | FLT | 31359 T X B 9 | June 2028 |
| PG | 1 | 40,000,000 | SCH | 6.90 | FIX | 31359T WE 4 | June 2028 | SB | 1 | 2,376,875 | SUP | (4) | INV | 31359 T X C 7 | June 2028 |
| PH | 1 | 50,000,000 | SCH | 6.95 | FIX | 31359 TWF 1 | June 2028 | TB | 2 | 77,004,000 | PAC | 6.00 | FIX | 31359 T X D 5 | May 2013 |
| PJ | 1 | 2,107,142(3) | NTL | 7.00 | FIX/IO | 31359TWG9 | June 2028 | TE | 2 | 28,178,000 | PAC | 6.00 | FIX | 31359 T X E 3 | December 2015 |
| Z | 1 | 25,740,000 | SUP | 7.00 | FIX/Z | 31359TWH7 | March 2027 | TL | 2 | 35,651,000 | PAC | 6.50 | FIX | 31359 T X F 0 | June 2018 |
| H | 1 | 9,000,000 | SUP | 7.00 | FIX | 31359 T W J 3 | May 2027 | TN | 2 | 8,090,923(3) | NTL | 6.50 | FIX/IO | 31359 T X G 8 | December 2015 |
| JA | 1 | 1,000,000 | TAC | 7.00 | FIX | 31359 TW K0 | June 2027 | C | 2 | 51,000,000 | TAC | 6.50 | FIX | 31359 T X H 6 | June 2017 |
| JB | 1 | 500,000 | TAC | 7.00 | FIX | 31359 T W L 8 | July 2027 | ZB | 2 | 2,042,000 | SUP | 6.50 | FIX/Z | 31359 T X J 2 | June 2017 |
| JC | 1 | 2,500,000 | TAC | 7.00 | FIX | 31359 TWM6 | September 2027 | ZC | 2 | 6,125,000 | SUP | 6.50 | FIX/Z | 31359 T X K 9 | June 2018 |
| JZ | 1 | 1,000,000 | SUP | 7.00 | FIX/Z | 31359TWN4 | September 2027 | AB | 3 | 368,197,000 | SEQ | 6.50 | FIX | 31359 T X L 7 | October 2024 |
| J | 1 | 7,500,000 | SUP | 7.00 | FIX | 31359 TWP9 | July 2027 | AC | 3 | 52,600,000 | SEQ | 6.50 | FIX | 31359 TXM5 | May 2026 |
| K | , | 7,500,000 | SUP | 7.00 | FIX | 31359TWQ7 | September 2027 | FE | 3 | 210,398,000 | SEQ | (4) | FLT | 31359 T XN 3 | May 2026 |
| L | 1 | 14,000,000 | SUP | 7.00 | FIX | 31359 TWR5 | February 2028 | SE | 3 | 210,398,000(3) | NTL | (4) | INV/IO | 31359 T X P 8 | May 2026 |
| LA | 1 | 4,000,000 | SUP | 7.00 | FIX | 31359 T W S 3 | March 2012 | G | 3 | 118,805,000 | SEQ | 7.00 | FIX | 31359T XQ 6 | May 2028 |
| LB | 1 | 3,500,000 | SUP | 7.00 | FIX | 31359 TWT1 | May 2018 | R |  | 0 | NPR | 0 | NPR | 31359 T X R 4 | June 2028 |
| LZ | 1 | 2,500,000 | SUP | 7.00 | FIX/Z | 31359 TWU8 | February 2028 | RL |  | 0 | NPR | 0 | NPR | 31359T X S 2 | June 2028 |

(1) The E Class is an RCR Class. See "Description of the Certificates-Combination and Recombination" herein and Schedule 1 hereto for a description of the RCR Class
 Principal" herein.
 initially will be as set forth above and thereafter will be calculated as specified herein. See "Description of the Certificates-Distributions of Interest-Notional Classes" herein.
 Floating Rate and Inverse Floating Rate Classes" in the REMIC Prospectus.
(5) The Retail Certificates will be offered in $\$ 1,000$ increments ("Retail Class Units") as described herein. See "Description of the Certificates-The Retail Certificates" herein

The Certificates will be offered by Lehman Brothers Inc. (the "Dealer") from time to time in negotiated transactions, at varying prices to be determined at the time of sale.

The Certificates will be offered by the Dealer, subject to issuance by Fannie Mae and to prior sale or to withdrawal or modification of the offer without notice, when, as and if delivered to and accepted by the Dealer, subject to the right by the Dealer to reject any order in whole or in part and subject to approval of certain legal matters by counsel. It is expected that the Group 1 and Group 2 Classes (other than the UU Class) will be available through the book-entry system of the Federal Reserve Banks and that the UU Class, the Group 3 Classes and the RCR Class will be available through the book-entry facilities of The Depository Trust Company on or about May 29, 1998 (the "Settlement Date"). It is expected that the R and RL Classes in registered, certificated form will be available for delivery at the offices of the Dealer, Three World Financial Center, New York, New York 10285, on or about the Settlement Date.

## REFERENCE SHEET

This reference sheet is not a summary of the REMIC transaction and it does not contain complete information about the Certificates. Investors should purchase the Certificates only after reading this Prospectus Supplement and each of the additional Disclosure Documents described herein in their entirety.

## The Retail Certificates

## Description

The Retail Certificates represent an indirect interest in certain Mortgage Loans. The Retail Certificates are guaranteed by Fannie Mae but are not guaranteed by, and are not a debt or obligation of, the United States. See "Description of the Certificates-General-Fannie Mae Guaranty" herein.

## Investment Objective

Each individual investor should determine, in consultation with his or her investment advisor, whether or not the Retail Certificates satisfy his or her specified investment objectives. See "Description of the Certificates-The Retail Certificates—Investment Determination" herein.

## Liquidity

If a Retail Certificate is sold prior to its maturity, an investor may receive sales proceeds (less applicable transaction costs) that are less than the amount originally invested. The Dealer intends to make a market for the purchase and sale of the Retail Certificates after their initial issuance, but is not obligated to do so. There is no assurance that such a secondary market will develop or, if it develops, that it will continue. See "Description of the Certificates-The Retail Certificates-Investment Determination" herein.

## Federal Income Taxes

Interest on the Retail Certificates will be taxed in the year it is earned, which may not be the year it is paid. Relevant federal income tax information for the preceding calendar year will be mailed to investors who own Retail Certificates, as required by the Internal Revenue Service. Investors should be aware, however, that such information need not be furnished before March 15 of any calendar year following a calendar year in which income accrues on a Retail Certificate. See "Description of the Certificates—The Retail Certificates—Retail Principal Distributions—Tax Information" and "Certain Additional Federal Income Tax Consequences" herein.

## Maturity

Unlike many other fixed income securities, the Retail Certificates do not have fixed principal redemption schedules or fixed principal distribution dates. The timing of principal distributions may vary considerably based upon a number of factors, including changes in prevailing interest rates. If prevailing interest rates decrease, principal distributions on the Retail Certificates may accelerate, and any reinvestment of such distributions might be at such lower prevailing interest rates. Conversely, if prevailing interest rates increase, principal distributions on the Retail Certificates may slow down, and investors might not be able to reinvest their principal at such higher prevailing interest rates. In such case, the market value of such Retail Certificates is likely to have declined. See "Description of the Certificates-The Retail Certificates-Certain Principal Distribution Considerations" herein.

## Assumed Characteristics of the Mortgage Loans Underlying the MBS and the Ginnie Mae Certificates (as of May 1, 1998)

|  | Group | Approximate Principal Balance | Original Term to Maturity (in months) | Approximate Weighted Average Remaining Term to Maturity or WARM (in months) | Approximate Calculated Loan Age or WALA (in months) | Approximate <br> Weighted Average Coupon |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Group 1 MBS | 1 | \$1,000,000,000 | 360 | 357 | 3 | 7.52\% |
| Group 2 MBS | 2 | \$ 200,000,000 | 240 | 238 | 2 | 7.10\% |
| Ginnie Mae Certificates | 3 | \$ 750,000,000 | 360 | 330 | 30 | 7.50\% |

The actual remaining terms to maturity, calculated loan ages and, in the case of the Group 1 and Group 2 Classes, interest rates of most of the related Mortgage Loans will differ from the weighted averages shown above, perhaps significantly. See "Description of the Certificates-Structuring Assumptions-Pricing Assumptions" herein.

## Combination and Recombination

Holders of certain REMIC Certificates will be entitled, upon notice and payment of an exchange fee, to exchange all or a portion of such Certificates for a proportionate interest in the related RCR Certificates as reflected on Schedule 1 hereto. The Holders of RCR Certificates will be entitled to receive distributions of principal and interest from the related REMIC Certificates. See "Description of the Certificates-Combination and Recombination" herein. Schedule 1 sets forth the available combination of the REMIC Certificates and the related RCR Certificates.

## Interest Rates

The first distribution of interest on each Retail Class Unit will be made on June 18, 1998 in an amount equal to approximately $\$ 5.83$ with respect to each Retail Class Unit. Distributions of interest in that approximate amount on each monthly Distribution Date will continue on each Retail Class Unit until such Unit is retired. See "Description of the Certificates—The Retail Certificates-Retail Interest Distributions" herein.

The Fixed Rate Classes will bear interest at the applicable per annum interest rates set forth on the cover.

The Floating Rate and Inverse Floating Rate Classes will bear interest during the initial Interest Accrual Period at initial interest rates specified below, and will bear interest during each Interest Accrual Period thereafter, subject to the applicable maximum and minimum interest rates, at rates determined as described below:


See "Description of the Certificates-Distributions of Interest-Floating Rate and Inverse Floating Rate Classes" herein.

Distributions of interest to be allocated from REMIC Certificates to RCR Certificates on any Distribution Date will be allocated on a pro rata basis.

## Notional Classes

The notional principal balances of the Notional Classes will be equal to the indicated percentages of the outstanding balances specified below immediately prior to the related Distribution Date:


See "Description of the Certificates-Distributions of Interest-Notional Classes" and "-Yield Tables-The Inverse Floating Rate Classes" and "-The PD, PJ, DB and TN Classes" herein.

## Distributions of Principal

The portion of the Principal Distribution Amount allocated to each Class of Certificates will be determined as described herein under "Description of the Certificates-Distributions of PrincipalPrincipal Distribution Amount."

Group 1 Principal Distribution Amount
Z Accrual Amount
To the Aggregate Group II, to its Scheduled Balance, and thereafter to the Z Class.

## JZ Accrual Amount

To the Aggregate Group IV, to its Targeted Balance, and thereafter to the JZ Class.

## LZ Accrual Amount

To the LA and LB Classes, in that order, to zero, and thereafter to the LZ Class.

## ZA Accrual Amount

To the Aggregate Group III, to its Targeted Balance, and thereafter to the ZA Class.
Group 1 Cash Flow Distribution Amount

1. To the Aggregate Group I, to its Planned Balance.
2. (a) $64.3455135076 \%$ of the remaining amount as follows:
first, to the Aggregate Group II, to its Scheduled Balance;
second, to the Z and H Classes, in that order, to zero;
third, ( x ) $25 \%$ of the remaining amount as follows:
(i) to the Aggregate Group IV, to its Targeted Balance;
(ii) to the JZ Class, to zero; and
(iii) to the Aggregate Group IV, to zero; and
(y) $75 \%$ of such remaining amount to the J and K Classes, in that order, to zero;
fourth, (x) $58.3333333333 \%$ of the remaining amount to the L Class, to zero; and
(y) $41.6666666667 \%$ of such remaining amount to the LA, LB and LZ Classes, in that order, to zero;
fifth, to the UU and M Classes, pro rata, to zero; and
sixth, to the Aggregate Group II, to zero;
(b) $35.6544864924 \%$ of such remaining amount as follows:
first, to the Aggregate Group III, to its Targeted Balance;
second, to the ZA Class, to zero;
third, to the Aggregate Group III, to zero; and
fourth, to the FB and SB Classes, pro rata, to zero.
3. To the Aggregate Group I, to zero.

For a description of the related Aggregate Groups, see "Description of the CertificatesDistributions of Principal" herein.

Group 2 Principal Distribution Amount
ZB Accrual Amount
To the C Class, to its Targeted Balance, and thereafter to the ZB Class.

## ZC Accrual Amount

1. To the C Class, to its Targeted Balance.
2. To the ZB Class, to zero.
3. To the C Class, to zero, and thereafter to the ZC Class.

## Group 2 Cash Flow Distribution Amount

1. To the Aggregate Group V, to its Planned Balance.
2. To the C Class, to its Targeted Balance.
3. To the ZB Class, to zero.
4. To the C Class, to zero.
5. To the ZC Class, to zero.
6. To the Aggregate Group V, to zero.

For a description of the related Aggregate Group, see "Description of the Certificates-Distributions of Principal" herein.

## Group 3 Principal Distribution Amount

1. To the AB and FE Classes, in the proportions of $66.6667194765 \%$ and $33.3332805235 \%$, respectively, until the AB Class is reduced to zero.
2. To the AC and FE Classes, in the proportions of $66.6667194765 \%$ and $33.3332805235 \%$, respectively, to zero.
3. To the G Class, to zero.

Distributions of principal to be allocated from REMIC Certificates to RCR Certificates on any Distribution Date will be allocated on a pro rata basis.

## Weighted Average Lives (years)*

| Group 1 Classes | PSA Prepayment Assumption |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | 0\% | 100\% | 205\% | 275\% | 500\% |
| PK and PA | 9.8 | 2.9 | 2.9 | 2.9 | 2.6 |
| PB | 18.0 | 6.0 | 6.0 | 6.0 | 3.9 |
| PC | 23.2 | 12.3 | 12.3 | 12.3 | 7.2 |
| PD | 13.2 | 4.2 | 4.2 | 4.2 | 3.1 |
| H | 28.8 | 22.7 | 2.8 | 1.6 | 0.8 |
| JA | 5.5 | 5.5 | 2.9 | 1.8 | 0.9 |
| JB | 11.6 | 11.6 | 3.5 | 2.0 | 1.1 |
| JC | 18.7 | 18.7 | 4.1 | 2.2 | 1.1 |
| JZ | 29.1 | 24.0 | 5.1 | 1.8 | 0.9 |
| J | 29.0 | 23.5 | 3.6 | 1.9 | 1.0 |
| K | 29.2 | 24.4 | 4.8 | 2.2 | 1.1 |
| L | 29.4 | 26.0 | 13.7 | 2.7 | 1.3 |
| LA | 7.9 | 7.9 | 5.3 | 2.3 | 1.2 |
| LB | 17.0 | 17.0 | 11.1 | 2.7 | 1.4 |
| LZ | 29.4 | 26.0 | 16.5 | 2.9 | 1.5 |
| UU** and M | 29.8 | 28.5 | 23.0 | 3.6 | 1.6 |
| ZA | 28.0 | 22.0 | 1.2 | 0.8 | 0.4 |
| FB and SB | 29.7 | 27.9 | 21.2 | 6.1 | 2.5 |


|  | PSA Prepayment Assumption |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 0\% | 100\% | 155\% | 205\% | 275\% | 500\% |
| PE, PW, PG, PH and PJ | 16.0 | 9.4 | 4.6 | 4.6 | 3.4 | 1.8 |
| Z | 27.3 | 19.0 | 13.7 | 1.5 | 0.9 | 0.4 |
|  | PSA Prepayment Assumption |  |  |  |  |  |
|  | 0\% | 100\% | 117\% | 205\% | 275\% | 500\% |
| D, DA and DB | 18.4 | 11.2 | 9.0 | 5.0 | 2.5 | 1.4 |

PSA Prepayment Assumption

| Group 2 Classes | 0\% | 100\% | 185\% | 250\% | 500\% |
| :---: | :---: | :---: | :---: | :---: | :---: |
| TB | 7.7 | 3.9 | 3.9 | 3.9 | 2.8 |
| TE | 13.6 | 8.0 | 8.0 | 8.0 | 4.7 |
| TL | 16.1 | 12.9 | 12.9 | 12.9 | 7.9 |
| TN | 9.3 | 5.0 | 5.0 | 5.0 | 3.3 |
| ZB | 18.8 | 15.9 | 0.6 | 0.4 | 0.2 |
| ZC | 19.5 | 18.1 | 15.4 | 5.4 | 2.2 |

PSA Prepayment Assumption

| $\overline{\mathbf{0} \%}$ | $\frac{\mathbf{1 0 0 \%}}{13.8}$ | $\frac{\mathbf{1 1 8 \%}}{9.2}$ | $\frac{\mathbf{1 8 5 \%}}{7.6}$ | $\frac{\mathbf{2 5 0 \%}}{3.9}$ | $\frac{\mathbf{5 0 0 \%}}{2.1}$ |
| :--- | :--- | :--- | :--- | :--- | :--- |
| 1.2 |  |  |  |  |  |

PSA Prepayment Assumption

| Group 3 Classes | 0\% | 100\% | 185\% | 275\% | 500\% |
| :---: | :---: | :---: | :---: | :---: | :---: |
| AB | 17.3 | 6.6 | 4.0 | 2.7 | 1.4 |
| AC | 27.2 | 17.3 | 11.4 | 8.0 | 4.2 |
| E, FE and SE | 18.5 | 7.9 | 4.9 | 3.4 | 1.8 |
| G | 29.0 | 23.1 | 18.2 | 13.7 | 7.6 |

[^3]

B-12

# \$2,155,000,000 <br> Government National Mortgage Association 



GINNIE MAE ${ }^{\circledR}$<br>Guaranteed REMIC Pass-Through Securities and MX Securities<br>Ginnie Mae REMIC Trust 2001-6

The securities may not be suitable investments for you. You should consider carefully the risks of investing in them.

See "Risk Factors" beginning on page $\mathrm{S}-11$ which highlights some of these risks.

## The Securities

The Trust will issue the classes of securities listed on the inside front cover.

## The Ginnie Mae Guaranty

Ginnie Mae will guarantee the timely payment of principal and interest on the securities. The Ginnie Mae Guaranty is backed by the full faith and credit of the United States of America.

The Trust and its Assets
The Trust will own Ginnie Mae Certificates.

The Sponsor and the Co-Sponsor will offer the securities from time to time in negotiated transactions at varying prices. We expect the closing date to be March 30, 2001.

You should read the Base Offering Circular as well as this Supplement.
The securities are exempt from registration under the Securities Act of 1933 and are "exempted securities" under the Securities Exchange Act of 1934.

Salomon Smith Barney
Myerberg \& Company, L.P.
The date of this Offering Circular Supplement is March 22, 2001.

## Ginnie Mae REMIC Trust 2001-6

The Trust will issue the classes of securities listed in the table below. If you own exchangeable securities identified in the table, you can exchange them for the corresponding MX securities, and vice versa.

| Class of REMIC <br> Securities | Original <br> Principal Balance <br> Balance(2) | $\begin{gathered} \text { Interest } \\ \text { Rate } \end{gathered}$ | $\begin{aligned} & \text { Principal } \\ & \text { Type(3) } \end{aligned}$ | Interest <br> Type(3) | Final Distribution Date(4) | $\begin{gathered} \text { CUSIP } \\ \text { Number } \end{gathered}$ | Class of REMIC Securities | Original <br> Principal <br> Balance(2) | $\begin{gathered} \begin{array}{c} \text { Interest } \\ \text { Rate } \end{array} \\ \hline \end{gathered}$ | $\begin{aligned} & \text { Principal } \\ & \text { Type(3) } \end{aligned}$ | Interest <br> Type(3) | Final <br> Distribution <br> Date(4) | $\begin{gathered} \text { CUSIP } \\ \text { Number } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Security Group 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| A | \$ 58,650,000 | 7.00\% | TAC | FIX | December 2029 | $383739 P Q 6$ | MA | \$ 5,615,000 | 6.50\% | SEQ | FIX | February 2029 | 383739QX0 |
| CA. | 5,568,000 | 7.00 | SUP | FIX | January 2030 | 383739PR4 | MB . . . . | 4,511,000 | 6.50 | SEQ | FIX | December 2029 | 383739QY8 |
| CB | 33,580,000 | 7.00 | SUP | FIX | September 2030 | 383739PS2 | MC . . . . | 3,879,000 | 6.50 | SEQ | FIX | July 2030 | 383739QZ5 |
|  | 7,860,000 | 7.00 | SUP | FIX | November 2030 | 383739PT0 | MD | 2,267,000 | 6.50 | SEQ | FIX | December 2030 | 383739RA9 |
|  | 6,882,000 | 7.00 | SUP | FIX | December 2030 | $383739 P \mathrm{P} 7$ |  | 2,128,000 | 6.50 | SEQ | FIX | March 2031 | $383739 \mathrm{RB7}$ |
|  | 8,960,000 | 7.00 | SUP | FIX | March 2031 | 383739PV5 | SB....... | 75,000,000 | (5) | NTL (SEQ) | INV/IO | March 2031 | $383739 \mathrm{RC5}$ |
|  | 1,500,000 | 7.00 | AD/SUP | FIX | March 2011 | 383739PW3 | Security Group 4 |  |  |  |  |  |  |
|  | 1,500,000 | 7.00 | AD/SUP | FIX | December 2016 | 383739PX1 |  | 2,307,407 | 0.00 | SUP | PO | March 2031 | 383739RD3 |
|  | 1,500,000 | 7.00 | SUP | FIX | February 2021 | 383739PY9 | FC. | 46,647,059 | (5) | SUP | FLT | January 2030 | 383739RE1 |
| PA. | 200,000,000 | 6.00 | PAC | FIX | July 2026 | 383739PZ6 |  | 14,800,000 | 7.00 | SUP | FIX | March 2031 | 383739RF8 |
| PB. | 50,000,000 | 6.50 | PAC | FIX | October 2027 | 383739 QA0 | H(1) .... | 30,392,593 | 6.75 | SUP | FIX | March 2031 | 383739 RG 6 |
| PC(1) .. | 119,400,000 | 7.00 | PAC | FIX | May 2030 | 383739 QB8 |  | 224,000,000 | 5.86 | PAC | FIX | July 2027 | 383739RH4 |
| PD (1) .. | 47,200,000 | 7.00 | PAC | FIX | March 2031 | 383739QC6 |  | 22,055,384 | 6.50 | NTL (PAC) | FIX/IO | July 2027 | 383739RJ0 |
|  | 32,142,857 | 7.00 | NTL (PAC) | FIX/IO | October 2027 | 383739 QD4 |  | 20,200,000 | 6.50 | PAC | FIX | March 2028 | 383739RK7 |
| YA. | 39,900,000 | 7.00 | PAC | FIX | March 2031 | 383739 QE2 | PM(1) ... | 76,800,000 | 6.50 | PAC | FIX | June 2030 | 383739 RL5 |
|  | 11,000,000 | 7.00 | SUP | FIX/Z | December 2029 | 383739 QF9 | PN(1) | 32,100,000 | 6.50 | PAC | FIX | March 2031 | 383739RM3 |
| ZB. | 10,000,000 | 7.00 | TAC | FIX/Z | September 2028 | 383739 QG7 | SC. | 14,352,941 | (5) | SUP | INV | January 2030 | $383739 \mathrm{RN1}$ |
| ZD ...... | 1,500,000 | 7.00 | SUP | FIX/Z | March 2031 | 383739 QH5 | YC....... | 27,600,000 | 6.50 | PAC | FIX | February 2031 | $383739 \mathrm{RP6}$ |
| Security G | oup 2 |  |  |  |  |  | YD | 3,600,000 | 6.50 | PAC | FIX | March 2031 | 383739 RQ 4 |
| BA(1) ... | 62,200,000 | 7.00 | SUP | FIX | May 2030 | $383739 \mathrm{QJ1}$ |  | 2,600,000 | 6.50 | PAC | FIX | March 2031 | 383739RR2 |
|  | 13,000,000 | 7.00 | SUP | FIX | August 2030 | 383739 QK8 |  | 4,600,000 | 6.50 | SUP | FIX/Z | March 2028 | 383739 RS0 |
|  | 9,000,000 | 7.00 | SUP | FIX | October 2030 | 383739QL6 | Security Group 5 |  |  |  |  |  |  |
| BE....... | 6,000,000 | 7.00 | SUP | FIX | November 2030 | 383739 QM4 | FD (1) ... | 130,500,000 | (5) | PAC | FLT | March 2031 | 383739RT8 |
| BF....... | 24,700,000 | 7.00 | SUP | FIX | March 2031 | 383739 QN2 | FE(1) ... | 450,000 | (5) | PAC | FLT | March 2031 | $383739 \mathrm{RU5}$ |
| PE. | 341,400,000 | 6.00 | PAC | FIX | November 2027 | 383739 QP7 | FG(1) ... | 19,050,000 | (5) | SUP | FLT | March 2031 | 383739 RV 3 |
| PF(1) $\ldots$. | 153,600,000 | 7.00 | PAC | FIX | September 2030 | 383739 QQ 5 | QA(1) ... | 833,333 | (5) | NTL (PAC/SUP) | INV/IO | March 2031 | 383739RW1 |
|  | 33,700,000 | 7.00 | PAC | FIX | March 2031 | 383739 QR3 | QB(1) ... | 833,333 | (5) | NTL (PAC/SUP) | INV/IO | March 2031 | 383739RX9 |
| PJ ....... | 48,771,428 | 7.00 | NTL (PAC) | FIX/IO | November 2027 | 383739QS1 | QC(1) ... | 833,333 | (5) | NTL (PAC/SUP) | INV/IO | March 2031 | 383739RY7 |
| YB....... | 81,400,000 | 7.00 | PAC | FIX | March 2031 | 383739 QT9 | SD (1) ... | 150,000,000 | (5) | NTL (PAC/SUP) | INV/IO | March 2031 | 383739RZ4 |
|  | 25,000,000 | 7.00 | SUP | FIX/Z | April 2029 | 383739 QU6 | SE(1).... | 833,333 | (5) | NTL (PAC/SUP) | INV/IO | March 2031 | 383739SA8 |
| Security Group 3 |  |  |  |  |  |  | Residual |  |  |  |  |  |  |
| DA | 56,600,000 | 6.50 | SEQ | FIX | February 2028 | 383739 QV4 |  | 0 | 0.00 | NPR | NPR | March 2031 | 383739 SB6 |
| FB.. | 75,000,000 | (5) | SEQ | FLT | March 2031 | 383739QW2 |  |  |  |  |  |  |  |

(1) These Securities may be exchanged for MX Securities described in Schedule I.
(2) Subject to increase as described under "Increase in Size" in this Supplement. The amount shown for each Notional Class (indicated by "NTL" under Principal Type) is its original Class Notional Balance and does not represent principal that will be paid.
(3) As defined under "Class Types" in Appendix I to the Base Offering Circular. The type of Class with which the Class Notional Balance of each Notional Class will be reduced is indicated in parentheses.
(4) See "Yield, Maturity and Prepayment Considerations - Final Distribution Date" in this Supplement.
(5) See "Terms Sheet - Interest Rates" in this Supplement.

## TERMS SHEET

This terms sheet contains selected information for quick reference only. You should read this Supplement, particularly "Risk Factors," and each of the other documents listed under "Available Information."

Sponsor: Salomon Smith Barney Inc.
Trustee: Bank One Trust Company, N.A.
Tax Administrator: The Trustee
Closing Date: March 30, 2001
Distribution Dates: For the Group 2, Group 3, Group 4 and Group 5 Securities, the 16th day of each month or, if the 16th day is not a Business Day, the first Business Day thereafter, commencing in April 2001. For the Group 1 Securities, the 20th day of each month or, if the 19th day or the 20th day is not a Business Day, the first Business Day following the 20th day of each month, commencing in April 2001.

## Trust Assets:

| Trust <br> Asset <br> Group | $\underline{\text { Trust Asset Type }}$ | Certificate Rate |  | Original Term <br> To Maturity <br> (in years) |
| :---: | :--- | :--- | :---: | :---: |
|  | Ginnie Mae II | $7.0 \%$ |  | 30 |
| 2 | Ginnie Mae I | 7.0 | 30 |  |
| 3 | Ginnie Mae I | 7.5 | 30 |  |
| 4 | Ginnie Mae I | 6.5 | 30 |  |
| 5 | Ginnie Mae I | 9.0 | 30 |  |

Security Groups: This series of Securities consists of multiple Security Groups, as shown on the inside front cover of this Supplement and on Schedule I to this Supplement. Payments on each Security Group will be based solely on payments on the Trust Asset Group with the same numerical designation.

## Assumed Characteristics of the Mortgage Loans Underlying the Trust Assets ${ }^{\mathbf{1}}$ :


$\qquad$

Weighted Average | Mortgage Rate ${ }^{3}$ |
| :--- |

Group 1 Trust Assets \$605,000,000

Group 2 Trust Assets $\$ 150,000,000$
$600,000,000$
\$750,000,000
Group 3 Trust Assets \$150,000,000

Group 4 Trust Assets \$500,000,000 329
Group 5 Trust Assets \$150,000,000
${ }^{1}$ As of March 1, 2001.
${ }^{2}$ Does not include Trust Assets that will be added to pay the Trustee Fee.
${ }^{3}$ The Mortgage Loans underlying the Group 1 Trust Assets bear interest at rates ranging from $0.5 \%$ to $1.5 \%$ per annum above the related Certificate Rate.

The actual remaining terms to maturity, loan ages and, in the case of the Group 1 Trust Assets, Mortgage Rates of many of the Mortgage Loans will differ from the weighted averages shown above, perhaps significantly. See "The Trust Assets - The Mortgage Loans" in this Supplement.

Modification and Exchange: If you own exchangeable Securities you will be able, upon notice and payment of an exchange fee, to exchange them for a proportionate interest in the related Securities shown on Schedule I to this Supplement. See "Description of the Securities - Modification and Exchange" in this Supplement.

Increased Minimum Denomination Classes: Each Class that constitutes a Principal Only, Interest Only or Inverse Floating Rate Class. See "Description of the Securities - Form of Securities" in this Supplement.

Interest Rates: The Interest Rates for the Fixed Rate Classes are shown on the inside cover page of this Supplement or on Schedule I to this Supplement.

The Floating Rate and Inverse Floating Rate Classes will bear interest at per annum rates based on one-month LIBOR (hereinafter referred to as "LIBOR") as follows:

| Class | Interest Rate Formula(1) | Initial Interest Rate(2) | Minimum Rate | Maximum Rate | $\begin{gathered} \text { Delay } \\ \text { (in days) } \\ \hline \end{gathered}$ | LIBOR <br> for Minimum Interest Rate |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| FB | LIBOR + 0.40\% | 5.9700\% | 0.40\% | 8.5000\% | 0 | 0.00\% |
| FC | LIBOR + 0.45\% | 6.0300 | 0.45 | 8.5000 | 0 | 0.00\% |
| FD | LIBOR + 0.25\% | 5.4837 | 0.25 | 9.0000 | 0 | 0.00\% |
| FE | LIBOR + 0.25\% | 5.4837 | 0.25 | 9.0000 | 0 | 0.00\% |
| FG | LIBOR + 0.25\% | 5.4837 | 0.25 | 9.0000 | 0 | 0.00\% |
| FH | LIBOR + 0.30\% | 5.5337 | 0.30 | 9.0000 | 0 | 0.00\% |
| FI | LIBOR + 0.25\% | 5.4837 | 0.25 | 9.0000 | 0 | 0.00\% |
| FJ | LIBOR + 0.35\% | 5.5837 | 0.35 | 9.0000 | 0 | 0.00\% |
| FK | LIBOR + 0.40\% | 5.6337 | 0.40 | 9.0000 | 0 | 0.00\% |
| FX | LIBOR + 0.45\% | 5.6837 | 0.45 | 9.0000 | 0 | 0.00\% |
| QA | $1566.00 \%$ - (LIBOR $\times 180.00$ ) | 9.0000 | 0.00 | 9.0000 | 0 | 8.70\% |
| QB | $1557.00 \%-($ LIBOR $\times 180.00)$ | 9.0000 | 0.00 | 9.0000 | 0 | 8.65\% |
| QC | $1548.00 \%-($ LIBOR $\times 180.00)$ | 9.0000 | 0.00 | 9.0000 | 0 | 8.60\% |
| SB | 8.10\% - LIBOR | 2.5300 | 0.00 | 8.1000 | 0 | 8.10\% |
| SC | $26.1625 \%-($ LIBOR $\times 3.25)$ | 8.0275 | 0.00 | 26.1625 | 0 | 8.05\% |
| SD. | 8.55\% - LIBOR | 3.3163 | 0.00 | 8.5500 | 0 | 8.55\% |
| SE | $1575.00 \%-($ LIBOR $\times 180.00)$ | 9.0000 | 0.00 | 9.0000 | 0 | 8.75\% |
| SI | 8.75\% - LIBOR | 3.5163 | 0.00 | 8.7500 | 0 | 8.75\% |
| SJ | 8.70\% - LIBOR | 3.4663 | 0.00 | 8.7000 | 0 | 8.70\% |
| SK | 8.65\% - LIBOR | 3.4163 | 0.00 | 8.6500 | 0 | 8.65\% |
| SL | 8.60\% - LIBOR | 3.3663 | 0.00 | 8.6000 | 0 | 8.60\% |

(1) LIBOR will be established on the basis of the BBA LIBOR method, as described under "Description of the Securities - Interest Distributions - Floating Rate and Inverse Floating Rate Classes" in this Supplement.
(2) The initial Interest Rate will be in effect during the first Accrual Period; the Interest Rate will adjust monthly thereafter.

Allocation of Principal: On each Distribution Date for a Security Group, the following distributions will be made to the related Securities:

## SECURITY GROUP 1

A percentage of the Group 1 Principal Distribution Amount will be applied to the Trustee Fee, and the remainder of the Group 1 Principal Distribution Amount (the "Group 1 Adjusted Principal Distribution Amount") and the ZA Accrual Amount, the ZB Accrual Amount and the ZD Accrual Amount will be allocated as follows:

- The ZA Accrual Amount and ZB Accrual Amount in the following order of priority:
$\mathbf{P a c} \quad\{$ 1. To YA, until reduced to its Scheduled Principal Balance for that Distribution Date
tac $\quad\{$ 2. Sequentially, to ZB and A , in that order, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date

Accrual $\left\{\begin{array}{l}\text { 3. To } \mathrm{ZA}, \text { until retired } \\ \text { 4. To } \mathrm{ZB} \text {, without regard to its Aggregate Scheduled Principal Balance, until retired }\end{array}\right.$

- The ZD Accrual Amount in the following order of priority:
$\substack{\text { Accretion } \\ \text { Directed, } \\ \text { Support } \\ \text { and } \\ \text { ancrual }}$$\left\{\begin{array}{l}\text { 1. Sequentially, to CH, CJ and CK, in that order, until retired } \\ \text { 2. To ZD, until retired }\end{array}\right.$
- The Group 1 Adjusted Principal Distribution Amount in the following order of priority:

PAC $\quad$ 1. Sequentially, to PA, PB, PC and PD, in that order, until reduced to their Aggregate 2. To YA, until reduced to its Scheduled Principal Balance for that Distribution Date
tac $\quad\{$ 3. Sequentially, to ZB and A , in that order, until reduced to their Aggregate \{ Scheduled Principal Balance for that Distribution Date
Support $\{$ 4. To ZA, until retired
тас $\quad\{$ 5. Sequentially, to ZB and A , in that order, without regard to their Aggregate Scheduled Principal Balance, until retired
support $\{$ 6. Sequentially, to $C A, C B, C D$ and $C E$, in that order, until retired
$\substack{\text { Accretion } \\ \text { Directed } \\ \text { and } \\ \text { support }}$$\left\{\begin{array}{c}\text { 7. Concurrently, as follows: } \\ \text { a. } 59.8930481283 \% \text { to CG, until retired } \\ \text { b. } 40.1069518717 \% \text {, sequentially, to CH, CJ, CK and ZD, in that order, until } \\ \text { retired }\end{array}\right.$
8. To YA, without regard to its Scheduled Principal Balance, until retired
pac
9. Sequentially, to PA, PB, PC and PD, in that order, without regard to their Aggregate Scheduled Principal Balance, until retired

## SECURITY GROUP 2

A percentage of the Group 2 Principal Distribution Amount will be applied to the Trustee Fee, and the remainder of the Group 2 Principal Distribution Amount (the "Group 2 Adjusted Principal Distribution Amount") and the ZC Accrual Amount will be allocated as follows:

- The ZC Accrual in the following order of priority:
pac $\quad\left\{\begin{array}{l}\text { 1. To YB, until reduced to its Scheduled Principal Balance for that Distribution } \\ \text { Date }\end{array}\right.$
Accrual $\{$ 2. To ZC, until retired
- The Group 2 Adjusted Principal Distribution Amount in the following order of priority:
( 1. Sequentially, to PE, PF and PG, in that order, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date

2. To YB, until reduced to its Scheduled Principal Balance for that Distribution Date
support $\left\{\begin{array}{l}\text { 3. To ZC, until retired } \\ \text { 4. Sequentially, to } \mathrm{BA}, \mathrm{BC}, \mathrm{BD}, \mathrm{BE} \text { and } \mathrm{BF}, \text { in that order, until retired }\end{array}\right.$
$\int$ 5. To YB, without regard to its Scheduled Principal Balance, until retired
PAC $\quad$ 6. Sequentially, to PE, PF and PG, in that order, without regard to their Aggregate Scheduled Principal Balance, until retired

## SECURITY GROUP 3

A percentage of the Group 3 Principal Distribution Amount will be applied to the Trustee Fee, and the remainder of the Group 3 Principal Distribution Amount (the "Group 3 Adjusted Principal Distribution Amount") will be allocated as follows:

1. Concurrently, as follows:
a. $50 \%$ to FB , until retired
b. $50 \%$, sequentially, to $\mathrm{DA}, \mathrm{MA}, \mathrm{MB}, \mathrm{MC}, \mathrm{MD}$ and ME , in that order, until retired

## SECURITY GROUP 4

A percentage of the Group 4 Principal Distribution Amount will be applied to the Trustee Fee, and the remainder of the Group 4 Principal Distribution Amount (the "Group 4 Adjusted Principal Distribution Amount") and the ZE Accrual Amount will be allocated as follows:

- The ZE Accrual in the following order of priority:

PAC $\quad$ 1. Sequentially, to YC, YD and YE, in that order, until reduced to their Aggregate ? Scheduled Principal Balance for that Distribution Date

Accrual $\{$ 2. To ZE, until retired

- The Group 4 Adjusted Principal Distribution Amount in the following order of priority:
$\int$ 1. Sequentially, to PH, PL, PM and PN, in that order, until reduced to their pac Aggregate Scheduled Principal Balance for that Distribution Date

2. Sequentially, to YC, YD and YE, in that order, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date
support $\left\{\begin{array}{l}\text { 3. To ZE, until retired } \\ \text { 4. Concurrently, to FC and SC, pro rata, until retired } \\ \text { 5. Concurrently, to EG, G and H, pro rata, until retired }\end{array}\right.$
3. Sequentially, to YC, YD and YE, in that order, without regard to their Aggregate Scheduled Principal Balance, until retired
pac
4. Sequentially, to PH, PL, PM and PN, in that order, without regard to their Aggregate Scheduled Principal Balance, until retired

## Security Group 5

A percentage of the Group 5 Principal Distribution Amount will be applied to the Trustee Fee, and the remainder of the Group 5 Principal Distribution Amount (the "Group 5 Adjusted Principal Distribution Amount") will be allocated in the following order of priority:
PAC $\quad$ 1. Sequentially, to FD and FE, in that order, until reduced to their Aggregate pac $\quad$ Scheduled Principal Balance for that Distribution Date
support $\{$ 2. To FG, until retired

Scheduled Principal Balances: The Scheduled Principal Balances for the Classes listed below are included in Schedule II to this Supplement. They were calculated using, among other things, the following Structuring Ranges and Rate:

| Class | Ranges and Rate |
| :---: | :---: |
| PA, PB, PC and PD (in the aggregate) | 95\% PSA through 250\% PSA |
| YA | 120\% PSA through 250\% |
| PE, P | 100\% PSA through 250\% |
| YB | 145\% PSA through 250\% |
| PH, PL, PM and PN (in the aggregate) | 100\% PSA through 250\% PSA |
| YC, YD and YE (in the aggregate) | 121\% PSA through 240\% |
| FD and FE (in the aggregate) | 580\% PSA through 770\% |
| A and ZB (in the aggregate) | 219\% PSA |
| Accrual Classes: Interest will accrue on each Accrual Class identified on the inside front cover of this Supplement at the per annum rate set forth on that page. However, no interest will be distributed to the Accrual Classes as interest. Interest so accrued on each Accrual Class on each Distribution Date will constitute an Accrual Amount, which will be added to the Class Principal Balance of that Class on each Distribution Date and will be distributable as principal as set forth in this Terms Sheet under "Allocation of Principal." |  |
|  |  |

Notional Classes: The Notional Classes will not receive distributions of principal but have Class Notional Balances for convenience in describing their entitlements to interest. The Class Notional Balance of each Notional Class represents the percentage indicated below of, and reduces to that extent with, the Class Principal Balance indicated:

| Class | Original Class Notional Balance | Represents Approximately |
| :---: | :---: | :---: |
| HI | \$ 31,561,538 | 103.8461538462\% of H (SUP Class) |
| JI | \$119,400,000 | 100\% of PC (PAC Class) |
| KI | \$ 47,200,000 | 100\% of PD (PAC Class) |
| LI | \$153,600,000 | 100\% of PF (PAC Class) |
| NI | \$ 76,800,000 | 100\% of PM (PAC Class) |
| OI | \$ 32,100,000 | 100\% of PN (PAC Class) |
| TI | \$ 62,200,000 | 100\% of BA (SUP Class) |
| PI | \$ 28,571,429 | $14.2857142857 \%$ of PA (PAC Class) |
|  | 3,571,428 | $7.1428571429 \%$ of PB (PAC Class) |
|  | \$ 32,142,857 |  |
| PJ | \$ 48,771,428 | 14.2857142857\% of PE (PAC Class) |
| PK | \$ 22,055,384 | 9.8461538462\% of PH (PAC Class) |
| QA | \$ 833,333 | $0.5555555556 \%$ of FD, FE and FG (PAC \& SUP Classes) |
| QB | \$ 833,333 | $0.5555555556 \%$ of FD, FE and FG (PAC \& SUP Classes) |
| QC | \$ 833,333 | $0.5555555556 \%$ of FD, FE and FG (PAC \& SUP Classes) |
| SB | \$ 75,000,000 | 100\% of FB (SEQ Class) |
| SD | \$150,000,000 | 100\% of FD, FE and FG (PAC \& SUP Classes) |
| SE | \$ 833,333 | $0.5555555556 \%$ of FD, FE and FG (PAC \& SUP Classes) |
| SI | \$150,000,000 | 100\% of FD, FE and FG (PAC \& SUP Classes) |
| SJ | \$150,000,000 | 100\% of FD, FE and FG (PAC \& SUP Classes) |
| SK | \$150,000,000 | 100\% of FD, FE and FG (PAC \& SUP Classes) |
| SL | \$150,000,000 | 100\% of FD, FE and FG (PAC \& SUP Classes) |

Tax Status: Double REMIC Series. See "Certain Federal Income Tax Consequences" in this Supplement and in the Base Offering Circular.

Regular and Residual Classes: Class $R R$ is a Residual Class and includes the Residual Interests of the Issuing REMIC and the Pooling REMIC; all other Classes of REMIC Securities are Regular Classes.

\$1,661,277,124

Government National
Mortgage Association

## GINNIE MAE ${ }^{\circledR}$

Guaranteed REMIC
Pass-Through Securities
and MX Securities
Ginnie Mae REMIC Trust 2001-22

OFFERING CIRCULAR SUPPLEMENT
May 23, 2001

Salomon Smith Barney, Inc.
The Williams Capital Group, L.P.


[^0]:    (1) These Securities may be exchanged for MX Securities described in Schedule I.
    (2) Subject to increase as described under "Increase in Size" in this Supplement. The amount shown for each Notional Class (indicated by "NTL" under Principal Type) is its original Class Notional Balance and does not represent principal that will be paid.
    (3) As defined under "Class Types" in Appendix I to the Base Offering Circular. The type of Class with which the Class Notional Balance of each Notional Class other than the Class VI will be reduced is indicated in parentheses.
    (4) See "Yield, Maturity and Prepayment Considerations - Final Distribution Date" in this Supplement.
    (5) See "Terms Sheet - Interest Rates" in this Supplement.

[^1]:    * The initial Interest Rate will be in effect during the first Accrual Period; the Interest Rate will adjust monthly thereafter.

[^2]:    * Determined as described under "Yield, Maturity and Prepayment Considerations" in this Supplement. Prepayments will not occur at any assumed rate shown or any other constant rate, and the actual Weighted Average Lives of any or all of the Classes are likely to differ from those shown, perhaps significantly.

[^3]:    Determined as specified under "Description of the Certificates-Weighted Average Lives of the Certificates" herein.
    ** The weighted average lives shown in the table for the Class of Retail Certificates apply to such Class as a whole and are not likely to reflect the experience of any investor in such Class of Retail Certificates. Because investors will receive principal distributions subject to the distribution priorities and allocations described under "Description of the Certificates-The Retail Certificates-Retail Principal Distributions" herein, the weighted average lives of Retail Class Units will vary among different investors. See "Description of the Certificates-The Retail Certificates-Certain Principal Distribution Considerations" herein.

