$$
\$ 1,734,399,446
$$



Government National Mortgage Association GINNIE MAE ${ }^{\circledR}$

## Guaranteed REMIC Pass-Through Securities

 and MX SecuritiesGinnie Mae REMIC Trust 2002-76

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 (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 November 29, 2002.

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.

## Ginnie Mae REMIC Trust 2002-76

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 | $\underset{\text { Principal }}{\text { Original }}$ Balance(2) | Interest Rate | $\begin{aligned} & \text { Principal } \\ & \text { Type(3) } \\ & \hline \end{aligned}$ | Interest <br> Type (3) | $\begin{gathered} \text { Final } \\ \text { Distribution } \\ \text { Date(4) } \\ \hline \end{gathered}$ | $\begin{aligned} & \text { CUSIP } \\ & \text { Number } \end{aligned}$ | Class of REMIC Securities | Original <br> Principal <br> Balance(2) | Interest | $\begin{gathered} \text { Principal } \\ \text { Type( } 3 \text { ) } \\ \hline \end{gathered}$ | Interest <br> Type(3) | $\begin{gathered} \text { Final } \\ \text { Distribution } \\ \text { Date(4) } \\ \hline \end{gathered}$ | $\begin{gathered} \text { CUSIP } \\ \text { Number } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Security Group 1 |  |  |  |  |  |  | Security Group 8 |  |  |  |  |  |  |
| JA(1) | \$ 34,512,159 | 3.90\% | PT | FIX | November 2032 | 38373 V 4 B 3 | FU(1) | \$ 90,462,927 | (5) | STP | FLT | November 2028 | 38373 V 5 D 8 |
| JF (1) | 34,512,159 | (5) | PT | FLT | November 2032 | 38373 V 4 C 1 | SU(1) | 90,462,927 | (5) | NTL(STP) | INV/IO | November 2028 | 38373V5E6 |
| JS(1) | 34,512,159 | (5) | NTL(PT) | INV/IO | November 2032 | 38373 V 4 D 9 | UA(1) | 33,030,000 | 4.50\% | SCH | FIX | November 2028 | 38373 V 5 F 3 |
| Security Group 2 |  |  |  |  |  |  | UB(1) | 3,155,172 | 4.50 | SUP | FIX | November 2028 | 38373V5G1 |
| EA(1) | 24,118,000 | 4.50 | SCH | FIX | December 2029 | 38373 V 4 E 7 | Security Group 9 |  |  |  |  |  |  |
| EB(1) | 4,028,285 | 4.50 | SUP | FIX | December 2029 | 38373 V8U7 | FW(1) | 60,922,420 | (5) | STP | FLT | December 2028 | 38373 V 5 H 9 |
| FD (1) | 168,877,705 | (5) | STP | FLT | December 2029 | 38373 V 4 F 4 | SW (1) | 60,922,420 | (5) | NTL (STP) | INV/IO | December 2028 | 38373 V 5 J 5 |
| SD(1) | 168,877,705 | (5) | NTL(STP) | INV/IO | December 2029 | 38373 V 4 G 2 | WA(1) | 20,949,000 | 4.50 | SCH | FIX | December 2028 | 38373 V 5 K 2 |
| Security Group 3 |  |  |  |  |  |  | WB(1) | 3,419,968 | 4.50 | SUP | FIX | December 2028 | 38373 V 5 L 0 |
| FC(1).. | 13,849,015 | (5) | PT | FLT | March 2023 | 38373 V 4 H 0 | Security Group 10 |  |  |  |  |  |  |
| SC(1) | 13,849,015 | (5) | NTL(PT) | INV/IO | March 2023 | 38373 V 4 J 6 | FX(1) | 38,183,808 | (5) | PT | FLT | September 2029 | 38373V5M8 |
| Security Group 4 |  |  |  |  |  |  | XO (1) | 2,545,587 | 0.00 | PT | PO | September 2029 | 38373 V 5 N 6 |
| F(1) | 150,000,000 | (5) | PT | FLT | January 2031 | 38373 V 4 K 3 | XS(1) | 38,183,808 | (5) | NTL(PT) | INV/IO | September 2029 | 38373 V 5 P 1 |
| S(1) | 150,000,000 | (5) | NTL(PT) | INV/IO | January 2031 | 38373 V 4 L 1 | Security | oup 11 |  |  |  |  |  |
| Security Group 5 |  |  |  |  |  |  | FY (1) | 59,397,228 | (5) | STP | FLT | December 2026 | 38373 V 5 Q 9 |
| FG(1) | 323,076,923 | (5) | STP | FLT | October 2029 | 38373 V 4 M 9 | SY(1) | 59,397,228 | (5) | NTL(STP) | INV/IO | December 2026 | 38373V5R7 |
| GH | 237,074,000 | 4.75 | SCH | FIX | October 2029 | 38373 V 4 N 7 | TC(1) | 8,897,000 | 4.5 | SCH | FIX | December 2026 | 38373V5S5 |
| GJ | 39,849,077 | 4.75 | SUP | FIX | October 2029 | 38373 V 4 P 2 | TD (1) | 1,002,539 | 4.5 | SUP | FIX | December 2026 | 38373 V 5 T 3 |
| SG(1).. | 323,076,923 | (5) | NTL(STP) | INV/IO | October 2029 | 38373 V 4 Q 0 | Security | oup 12 |  |  |  |  |  |
| Security Group 6 |  |  |  |  |  |  | FH (1) | 15,385,120 | (5) | PT | FLT | May 2032 | 38373 V 5 U 0 |
| AO(1) | 96,406,641 | 0.00 | SC/SCH | PO | March 2032 | 38373 V 4 R 8 | SH(1) | 15,385,120 | (5) | NTL(PT) | INV/IO | May 2032 | 38373 V 5 V 8 |
| BO(1) | 64,768,710 | 0.00 | SC/SCH | PO | March 2032 | 38373 V 4 S 6 | Security Group $\mathbf{1 3}$ |  |  |  |  |  |  |
| $\mathrm{CO}(1)$ | 2,568,239 | 0.00 | SC/SCH | PO | March 2032 | 38373 V 4 T 4 | FP(1) | 20,070,836 | (5) | PT | FLT | December 2026 | 38373V5W6 |
| DO(1) | 56,665,539 | 0.00 | SC/SCH | PO | March 2032 | 38373 V 4 U 1 | SP(1).. | 20,070,836 | (5) | NTL(PT) | INV/IO | December 2026 | $38373 \mathrm{~V} 5 \times 4$ |
| GO | 29,820,366 | 0.00 | SC/SUP | PO | March 2032 | 38373 V 4 V 9 | Residuals |  |  |  |  |  |  |
| SJ | 9,045,153 | (5) | NTL(SC/PT) | INV/IO | February 2032 | 38373V4W7 | R | 0 | 0.0 | NPR | NPR | March 2032 | 38373 V 5 Y 2 |
|  | 38,482,197 | (5) | NTL(SC/PT) | INV/IO | February 2032 | 38373V4X5 | RR | 0 | 0.0 | NPR | NPR | November 2032 | 38373 V5Z9 |
| SL | 20,401,069 | (5) | NTL(SC/PT) | INV/IO | September 2031 | 38373 V 4 Y 3 |  |  |  |  |  |  |  |
| Security Group 7 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| FT (1).. | 69,179,302 | (5) | STP | FLT | December 2029 | 38373 V 4 Z 0 |  |  |  |  |  |  |  |
| ST(1). | 69,179,302 | (5) | NTL(STP) | INV/IO | December 2029 | 38373 V 5 A 4 |  |  |  |  |  |  |  |
| TA(1).. | 24,347,000 | 4.50 | SCH | FIX | December 2029 | $38373 V 5 B 2$ |  |  |  |  |  |  |  |
| TB(1) | 3,324,721 | 4.50 | SUP | FIX | December 2029 | 38373 V 5 C 0 |  |  |  |  |  |  |  |

[^0]
## AVAILABLE INFORMATION

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

- this Offering Circular Supplement (this "Supplement"),
- the Base Offering Circular and
- in the case of the Group 6 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 JPMorgan Chase Bank, which will act as information agent for the Trust, at (800) 234-GNMA, to order copies of the Base Offering Circular. In addition, you can obtain copies of any other document listed above by contacting JPMorgan Chase Bank at the telephone number listed above.

Please consult the standard abbreviations 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.

TABLE OF CONTENTS

|  | Page |  | Page |
| :---: | :---: | :---: | :---: |
| Terms Sheet | S-4 | Legal Investment Considerations | S-41 |
| Risk Factors | S-11 | Plan of Distribution | S-42 |
| The Trust Assets | S-13 | Increase in Size | S-42 |
| Ginnie Mae Guaranty . | S-14 | Legal Matters | S-42 |
| Description of the Securities | S-15 | Schedule I: Available Combinations | S-I-1 |
| Yield, Maturity and Prepayment Considerations . . . . . . . . . . . . . | S-19 | Schedule II: Scheduled Principal Balances | S-II-1 |
| Certain Federal Income Tax |  | Exhibit A: Underlying Certificates . . | A-1 |
| Consequences | S-38 | Exhibit B: Cover Pages and Terms |  |
| ERISA Matters | S-41 | Sheets from Underlying |  |
|  |  | Certificate Disclosure Documents | B-1 |

## 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: Goldman, Sachs \& Co.
Trustee: Bank One Trust Company, N.A.
Tax Administrator: The Trustee
Closing Date: November 29, 2002
Distribution Dates: For Group 1, Group 3, Group 4, Group 5, Group 7, Group 8, Group 10, Group 11 and Group 13 Securities, the 16th day of each month or, if the 16th day is not a Business Day, the first Business Day thereafter, commencing in December 2002. For the Group 2, Group 9 and Group 12 Securities, the 20th day of each month or, if the 20th day is not a Business Day, the first Business Day thereafter, commencing in December 2002. For the Group 6 Securities, the 21 st day of each month or, if the 21st day is not a Business Day, the first Business Day thereafter, commencing in December 2002.

Trust Assets:

| Trust Asset Group or Subgroup | Trust Asset Type | Certificate Rate | Original Term To Maturity (in years) |
| :---: | :---: | :---: | :---: |
| 1 | Ginnie Mae I | 7.0\% | 30 |
| 2 | Ginnie Mae II | 7.5 | 30 |
| 3 | Ginnie Mae I | 9.5 | 30 |
| 4 | Ginnie Mae I | 9.0 | 30 |
| 5 | Ginnie Mae I | 6.5 | 30 |
| $6 \mathrm{~A}^{(1)}$ | Underlying Certificates | (2) | (2) |
| $6 \mathrm{~B}^{(1)}$ | Underlying Certificate | (2) | (2) |
| $6 C^{(1)}$ | Underlying Certificate | (2) | (2) |
| $6 D^{(1)}$ | Underlying Certificate | (2) | (2) |
| 7 | Ginnie Mae I | 7.0 | 30 |
| 8 | Ginnie Mae I | 7.0 | 30 |
| 9 | Ginnie Mae II | 7.0 | 30 |
| 10 | Ginnie Mae I | 7.5 | 30 |
| 11 | Ginnie Mae I | 7.5 | 30 |
| 12 | Ginnie Mae II | 8.0 | 30 |
| 13 | Ginnie Mae I | 8.0 | 30 |

> (1) Trust Asset Group 6 consists of four subgroups, Subgroup 6A, Subgroup 6B, Subgroup 6C and Subgroup 6D (each, a "Subgroup"). Certain information regarding these Subgroups is set forth in Exhibit A to this Supplement.
> (2) Certain information regarding the Underlying Certificates is set forth in Exhibits A and B to this Supplement.

Security Groups: This series of Securities consists of multiple Security Groups (each, a "Group"), as shown on the inside front cover of this Supplement and on Schedule I to this Supplement. Payments on each 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, 3, 4, 5, 7, 8, 9, 10, 11, 12 and 13 Trust Assets ${ }^{(1)}$ :

| Principal <br> Balance ${ }^{(2)}$ | Weighted Average Remaining Term to Maturity (in months) | Weighted Average Loan Age (in months) | Weighted <br> Average Mortgage Rate ${ }^{(3)}$ |
| :---: | :---: | :---: | :---: |
| Group 1 Trust Assets |  |  |  |
| \$69,024,318 | 350 | 7 | 7.50\% |
| Group 2 Trust Assets |  |  |  |
| \$197,023,990 | 288 | 63 | 8.23\% |
| Group 3 Trust Assets |  |  |  |
| \$13,849,015 | 172 | 178 | 10.00\% |
| Group 4 Trust Assets |  |  |  |
| \$150,000,000 | 179 | 170 | 9.50\% |
| Group 5 Trust Assets |  |  |  |
| \$600,000,000 | 309 | 44 | 7.00\% |
| Group 7 Trust Assets |  |  |  |
| \$96,851,023 | 291 | 61 | 7.50\% |
| Group 8 Trust Assets |  |  |  |
| \$126,648,099 | 242 | 107 | 7.50\% |
| Group 9 Trust Assets |  |  |  |
| \$85,291,388 | 290 | 59 | 7.76\% |
| Group 10 Trust Assets |  |  |  |
| \$40,729,395 | 292 | 60 | 8.00\% |
| Group 11 Trust Assets |  |  |  |
| \$69,296,767 | 242 | 105 | 8.00\% |
| Group 12 Trust Assets |  |  |  |
| \$15,385,120 | 267 | 82 | 8.67\% |
| Group 13 Trust Assets |  |  |  |
| \$20,070,836 | 235 | 113 | 8.50\% |
| ${ }^{(1)}$ As of November 1, 2002. |  |  |  |
| ${ }^{(2)}$ Does not include Group 5 Trust Assets that will be added to pay the Trustee Fee. |  |  |  |
| (3) The Mortga may bear i Certificate | ans underlying the at rates ranging from | 2, Group 9 and to $1.5 \%$ per ann | 12 Trust Assets ove the related |

The actual remaining terms to maturity, loan ages and, in the case of the Group 2, Group 9 and Group 12 Trust Assets, Mortgage Rates of many of the Mortgage Loans underlying the Group 1, $2,3,4,5,7,8,9,10,11,12$ and 13 Trust Assets 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 certain information regarding the characteristics of the Mortgage Loans included in the Underlying Trusts.

Issuance of Securities: The Securities, other than the Residual Securities, will initially be issued in book-entry form through the book-entry system of the U.S. Federal Reserve Banks (the "Fedwire Book-Entry System"). The Residual Securities will be issued in fully registered, certificated form. See "Description of the Securities - Form of Securities" 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 Interest Only 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 | Initial <br> Interest Rate ${ }^{(2)}$ | $\begin{gathered} \text { Minimum } \\ \text { Rate } \end{gathered}$ | $\begin{gathered} \text { Maximum } \\ \text { Rate } \end{gathered}$ | $\begin{gathered} \text { Delay } \\ \text { (in days) } \\ \hline \end{gathered}$ | LIBOR for Minimum Interest Rate |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| F | LIBOR + 0.20\% | 2.00000\% | 0.20\% | 9.000\% | 0 | 0.00\% |
| FC | LIBOR + 0.20\% | 2.00000\% | 0.20\% | 9.500\% | 0 | 0.00\% |
| FD | LIBOR + 0.35\% | 2.15000\% | 0.35\% | 8.000\% | 0 | 0.00\% |
| FG | LIBOR + 0.40\% | 1.78000\% | 0.40\% | 8.000\% | 0 | 0.00\% |
| FH | LIBOR + 0.35\% | 1.73000\% | 0.35\% | 8.000\% | 0 | 0.00\% |
| FP | LIBOR + 0.30\% | 1.68000\% | 0.30\% | 8.000\% | 0 | 0.00\% |
| FT | LIBOR + 0.35\% | 1.73000\% | 0.35\% | 8.000\% | 0 | 0.00\% |
| FU | LIBOR + 0.30\% | 1.68000\% | 0.30\% | 8.000\% | 0 | 0.00\% |
| FW | LIBOR + 0.35\% | 1.73000\% | 0.35\% | 8.000\% | 0 | 0.00\% |
| FX | LIBOR + 0.35\% | 1.73000\% | 0.35\% | 8.000\% | 0 | 0.00\% |
| FY | LIBOR + 0.30\% | 1.68000\% | 0.30\% | 8.000\% | 0 | 0.00\% |
| JF | LIBOR + 0.60\% | $2.40000 \%$ | 0.60\% | 7.000\% | 0 | 0.00\% |
| JS | 9.50\% - LIBOR | 7.70000\% | 3.10\% | 9.500\% | 0 | 6.40\% |
| S | 8.80\% - LIBOR | 7.00000\% | 0.00\% | 8.800\% | 0 | 8.80\% |
| SC | 9.30\% - LIBOR | 7.50000\% | 0.00\% | 9.300\% | 0 | 9.30\% |
| SD | 7.65\% - LIBOR | 5.85000\% | 0.00\% | 7.650\% | 0 | 7.65\% |
| SG | 7.60\% - LIBOR | 6.22000\% | 0.00\% | 7.600\% | 0 | 7.60\% |
| SH | 7.65\% - LIBOR | 6.27000\% | 0.00\% | 7.650\% | 0 | 7.65\% |
| SJ | 20.28\% - (LIBOR $\times 2.60$ ) | 16.67086\% | 0.00\% | 20.280\% | 0 | 7.80\% |
| SK | 25.675\% - (LIBOR $\times 3.25$ ) | 21.16358\% | 0.00\% | 25.675\% | 0 | 7.90\% |
| SL | 19.08\% - (LIBOR $\times 2.40$ ) | 15.74849\% | 0.00\% | 19.080\% | 0 | 7.95\% |
| SP | 7.70\% - LIBOR | 6.32000\% | 0.00\% | 7.700\% | 0 | 7.70\% |
| ST | 7.65\% - LIBOR | 6.27000\% | 0.00\% | 7.650\% | 0 | 7.65\% |
| SU | 7.70\% - LIBOR | 6.32000\% | 0.00\% | 7.700\% | 0 | 7.70\% |
| SW | 7.65\% - LIBOR | 6.27000\% | 0.00\% | 7.650\% | 0 | 7.65\% |
| SX | 114.75\% - (LIBOR $\times 15.00$ ) | 94.05000\% | 0.00\% | 114.750\% | 0 | 7.65\% |
| SY | 7.70\% - LIBOR | 6.32000\% | 0.00\% | 7.700\% | 0 | 7.70\% |
| XS | 7.65\% - LIBOR | 6.27000\% | 0.00\% | 7.650\% | 0 | 7.65\% |

${ }^{(1)}$ 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 the following distributions will be made on the related Securities:

## SECURITY GROUP 1

The Group 1 Principal Distribution Amount will be allocated, concurrently, to JA and JF, pro rata, until retired

## SECURITY GROUP 2

The Group 2 Principal Distribution Amount will be allocated, concurrently, as follows:

1. $85.7142854243 \%$ to FD , until retired
2. $14.2857145757 \%$ in the following order of priority:
a. To EA, until reduced to its Scheduled Principal Balance for that Distribution Date
b. To EB, until retired
c. To EA, without regard to its Scheduled Principal Balances, until retired

## SECURITY GROUP 3

The Group 3 Principal Distribution Amount will be allocated to FC, until retired

## SECURITY GROUP 4

The Group 4 Principal Distribution Amount will be allocated to F, 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, concurrently, as follows:

1. $53.8461538333 \%$ to FG , until retired
2. $46.1538461667 \%$ in the following order of priority:
a. To GH, until reduced to its Scheduled Principal Balance for that Distribution Date
b. To GJ, until retired
c. To GH, without regard to its Scheduled Principal Balances, until retired

## SECURITY GROUP 6

The Group 6 Principal Distribution Amount will be allocated in the following order of priority:

1. Sequentially, to $\mathrm{AO}, \mathrm{BO}$ and CO , in that order, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date
2. To DO, until reduced to its Scheduled Principal Balance for that Distribution Date
3. To GO, until retired
4. To DO, without regard to its Scheduled Principal Balances, until retired
5. Sequentially, to $\mathrm{AO}, \mathrm{BO}$ and CO , in that order, without regard to their Aggregate Scheduled Principal Balances, until retired

## SECURITY GROUP 7

The Group 7 Principal Distribution Amount will be allocated, concurrently, as follows:

1. $71.4285712811 \%$ to FT, until retired
2. $28.5714287189 \%$ in the following order of priority:
a. To TA, until reduced to its Scheduled Principal Balance for that Distribution Date
b. To TB, until retired
c. To TA, without regard to its Scheduled Principal Balances, until retired

## SECURITY GROUP 8

The Group 8 Principal Distribution Amount will be allocated, concurrently, as follows:

1. $71.4285707518 \%$ to FU , until retired
2. $28.5714292482 \%$ in the following order of priority:
a. To UA, until reduced to its Scheduled Principal Balance for that Distribution Date
b. To UB, until retired
c. To UA, without regard to its Scheduled Principal Balances, until retired

## SECURITY GROUP 9

The Group 9 Principal Distribution Amount will be allocated, concurrently, as follows:

1. $71.4285714286 \%$ to $F W$, until retired
2. $28.5714285714 \%$ in the following order of priority:
a. To WA, until reduced to its Scheduled Principal Balance for that Distribution Date
b. To WB, until retired
c. To WA, without regard to its Scheduled Principal Balances, until retired

## SECURITY GROUP 10

The Group 10 Principal Distribution Amount will be allocated, concurrently, to FX and XO , pro rata, until retired

## SECURITY GROUP 11

The Group 11 Principal Distribution Amount will be allocated, concurrently, as follows:

1. $85.7142844774 \%$ to FY , until retired
2. $14.2857155226 \%$ in the following order of priority:
a. To TC, until reduced to its Scheduled Principal Balance for that Distribution Date
b. To TD, until retired
c. To TC, without regard to its Scheduled Principal Balances, until retired

## SECURITY GROUP 12

The Group 12 Principal Distribution Amount will be allocated to FH, until retired

## SECURITY GROUP 13

The Group 13 Principal Distribution Amount will be allocated to FP, until retired
Scheduled Principal Balances: The Scheduled Principal Balances or Aggregate 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:


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 Balances indicated:

| Class | Original Class Notional Balance | Represents |
| :---: | :---: | :---: |
| JS | \$ 34,512,159 | 100\% of JF (PT Class) |
| S | 150,000,000 | 100\% of F (PT Class) |
| SC | 13,849,015 | 100\% of FC (PT Class) |
| SD | 168,877,705 | 100\% of FD (STP Class) |
| SG | 323,076,923 | 100\% of FG (STP Class) |
| SH | 15,385,120 | 100\% of FH (PT Class) |
| SJ | 9,045,153 | 100\% of Subgroup 6B |
| SK | 38,482,197 | 100\% of Subgroup 6C |
| SL. | 20,401,069 | 100\% of Subgroup 6D |
| SP. | 20,070,836 | 100\% of FP (PT Class) |
| ST | 69,179,302 | 100\% of FT (STP Class) |
| SU | 90,462,927 | 100\% of FU (STP Class) |
| SW | 60,922,420 | 100\% of FW (STP Class) |
| SY | 59,397,228 | $100 \%$ of FY (STP Class) |
| XS | 38,183,808 | 100\% of FX (PT Class) |

Tax Status: Double REMIC Series (consisting of a Pooling REMIC and an Issuing REMIC) as to the Group $1,2,3,4,5,7,8,9,10,11,12$ and 13 Trust Assets. A separate REMIC election will be made as to the Group 6 Trust Assets (the "Group 6 REMIC"). 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 and constitutes the Residual Interest of the Group 6 REMIC. Class RR 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 is 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.

## Support securities will be more sensitive to

 rates of principal payments than other securities. If principal prepayments result in principal distributions on any distribution date equal to or less than the amount needed to produce scheduled payments on the scheduled classes, the related support classes will not receive any principal distribution on that date. If prepayments result in principal distributions on any distribution date greater than the amount needed to produce scheduled payments on the related scheduled classes for that distribution date, this excess will be distributed to the related support classes.The rate of principal payments on the underlying certificates will directly affect the rate of principal payments on the group 6 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 certificate disclosure documents, certain of the underlying certificates included in trust asset group 6 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. In addition, one of the underlying certificates included in trust asset group 6 is a support class that is entitled to receive principal distributions only if scheduled payments have been made on other specified classes of the underlying series (or if specified classes have been retired). Accordingly, certain of the 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 certain of the underlying certificates included in trust asset group 6 on any payment date is calculated on the basis of schedules; no assurance can be given that the 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 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 certificate disclosure documents.

The securities may not be a suitable investment for you. The securities, especially the group 6 securities and, in particular, support, principal only, inverse floating rate, interest
only 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 the Underlying Certificates will evidence, directly or indirectly, Ginnie Mae Certificates.

## The Trust MBS (Groups 1, 2, 3, 4, 5, 7, 8, 9, 10, 11, 12 and 13)

The Group 1, 3, 4, 5, 7, 8, 10, 11 and 13 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 2, 9 and 12 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 6)

The Group 6 Trust Assets are Underlying Certificates that represent beneficial ownership interests in one or more separate trusts, 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 described in the related Underlying Certificate Disclosure Documents, excerpts of which are attached as Exhibit B to
this Supplement. Each Underlying Certificate Disclosure Document may be obtained from the Information Agent as described under "Available Information" in this Supplement. Investors are cautioned that material changes in facts and circumstances may have occurred since the date of each Underlying Certificate 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, 3, 4, 5, 7, 8, 9, 10, 11, 12 and 13 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, $3,4,5,7,8,9,10,11,12$ and 13 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 2, 9 and 12 Trust Assets, Mortgage Rates of the Mortgage Loans. However, the actual remaining terms to maturity, loan ages and, in the case of the Group 2, 9 and 12 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.

## 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 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, and may be transferred only on the Fedwire Book-Entry System. Beneficial Owners of Book-Entry Securities will ordinarily hold these Securities through one or more financial intermediaries, such as banks, brokerage firms and securities clearing organizations that are eligible to maintain book-entry accounts on the Fedwire Book-Entry System. By request accompanied by the payment of a transfer fee of $\$ 25,000$ per Certificated Security 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:

| Class | Minimum Denomination |
| :---: | :---: |
| AO | \$ 102,000 |
| BO | \$ 108,000 |
| CO | \$ 151,000 |
| DO | \$ 109,000 |
| GO | \$ 101,000 |
| JS | \$1,003,000* |
| S | \$ 699,000* |
| SC | \$ 646,000* |
| SD. | \$1,168,000* |
| SG | \$1,172,000* |
| SH | \$1,142,000* |
| SJ | \$2,348,000* |
| SK | \$ 346,000* |
| SL | \$1,737,000* |
| SP | \$1,038,000* |
| ST | \$1,055,000* |
| SU | \$1,008,000* |
| SW | \$1,151,000* |
| SY | \$1,042,000* |
| XO | \$ 112,000 |
| XS | \$1,123,000* |

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

## Distributions

Distributions on the Securities will be made on each Distribution Date as specified under "Terms Sheet - Distribution Dates" in this Supplement. On each Distribution Date for a Security, or in the case of the Certificated Securities, on the first Business Day after the related Distribution Date, the Distribution Amount will be distributed to the 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. Beneficial Owners of Book-Entry Securities will receive distributions through credits to accounts maintained for their benefit on the books and records of the appropriate financial intermediaries. Holders of Certificated Securities will receive distributions by check or, subject to the restrictions set forth in the Base Offering Circular, by wire transfer. See "Description of the Securities - Distributions" and "-Method of Distributions" in the Base Offering Circular.

## Interest Distributions

The Interest Distribution Amount will be distributed on each Distribution Date 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 for 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 for 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:

$$
\frac{\text { Class }}{}
$$

Fixed Rate Classes
Group $1,3,4,5,7,8,10$,
11 and 13 Floating Rate
and Inverse Floating
Rate Classes
Group 2, 9 and 12 Floating
Rate and Inverse Floating
Rate Classes
Group 6 Inverse Floating
Rate Classes

Rate 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 21 st day of the month preceding the month of the related Distribution Date through the 20th 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.

## 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 Method" 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 or Principal Distribution Amount, as applicable, for each Group will be distributed to the Holders entitled thereto as described under "Terms Sheet - Allocation of Principal" in this Supplement. 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, in the Terms Sheet 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. The Class Notional Balances will be reduced as shown under "Terms Sheet - Notional Classes" in this Supplement.

## Residual Securities

The Class R Securities will represent the beneficial ownership of the Residual Interest in the Group 6 REMIC, and 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 R and Class RR Securities have no Class Principal Balance and do not accrue interest. The Class $R$ Securities will be entitled to receive the proceeds of the disposition of any assets remaining in the Group 6 REMIC after the Class Principal Balance of
each Class of Regular Securities in Group 6 has been reduced to zero, and the Class RR Securities will be entitled to receive the proceeds of the disposition of any assets remaining in the related Trust REMICs after the Class Principal Balance of each Class of Regular Securities in Group 1, 2, 3, 4, 5, 7, 8, 9, 10, 11, 12 and 13 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 or any reduction of Class Notional Balance on that Distribution Date (each, a "Class Factor").

- The Class Factor for any Class of Securities for the 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 to be made or any reduction of Class Notional Balance on the Distribution Date occurring in that month.
- The Class Factor for each Class for the month of issuance is 1.00000000 .
- 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 in the preceding and current months (and Interest Rates), investors in any Class can calculate the amount of principal and interest to be distributed to 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, the Principal Only Classes 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 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 (other than a Residual or Notional Class 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 outstanding Notional Class Security 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 related 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 shown on Schedule I to this Supplement. Similarly, all or a portion of the related MX Class may be exchanged for proportionate interests in the related Class of REMIC Securities and, in the case of Combination 17, another related MX Class. 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.

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 at Bank One Trust Company, N.A., 153 W. 51st Street, 6th Floor New York, New York 10019, Attention: Tax Administrator Ginnie Mae 2002-76. 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 of the Securities surrendered for exchange (but not less than $\$ 2,000$ or more than $\$ 25,000$ ). The fee must be paid concurrently with 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 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, advances from the related Ginnie Mae Issuer and, to the extent necessary, proceeds of Ginnie Mae's guaranty of the Ginnie Mae Certificates. As a result, 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 Assets, thereby effecting early retirement of the Securities. See "Description of the Securities Termination" in this Supplement.

Investors in the Group 6 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 6 securities" in this Supplement.

## Securities that Receive Principal on the Basis of Schedules

As described in this Supplement, each Scheduled Class will receive principal payments in accordance with a schedule calculated on the basis of, among other things, a Structuring Range. See "Terms Sheet - Scheduled Principal Balances." However, whether any such Class will adhere to its schedule and receive "Scheduled Payments" on a Distribution Date will largely depend on the level of prepayments experienced by the related Mortgage Loans.

Each Scheduled Class (except Class DO) exhibits an Effective Range of constant prepayment rates at which such Class will receive Scheduled Payments. That range may differ from the Structuring Range used to create the related principal balance schedule. Based on the Modeling Assumptions, the initial Effective Ranges for the Scheduled Classes are as follows:

## Scheduled Classes

$\mathrm{AO}, \mathrm{BO}$ and CO (in the aggregate)
DO .......................................................... . . . .
EA ..................................................... 150\% PSA through 200\% PSA
GH.......................................................... . . $150 \%$ PSA through 200\% PSA
TA ..................................................... $150 \%$ PSA through 200\% PSA
TC ................................................... $150 \%$ PSA through 200\% PSA
UA ...................................................... $150 \%$ PSA through 200\% PSA
WA...................................................... $150 \%$ PSA through 200\% PSA

* No Effective Range.

Initial Effective Ranges
400\% PSA through 682\% PSA

- The principal payment stability of the Scheduled Classes will be supported by the related Support Classes.


## If all of the Classes supporting a given Class are retired before the Class being supported is retired, the outstanding Class will no longer have an Effective Range and will become more sensitive to prepayments on the related Mortgage Loans.

There is no assurance that the related Mortgage Loans will have the characteristics assumed in the Modeling Assumptions, which were used to determine the initial Effective Ranges. If the initial Effective Ranges were calculated using the actual characteristics of the related Mortgage Loans, the initial Effective Ranges could differ from those shown in the above tables. Therefore, even if the Mortgage Loans were to prepay at a constant rate within the initial Effective Range shown for any Class in the above table, that Class could fail to receive Scheduled Payments.

Moreover, the Mortgage Loans will not prepay at any constant rate. Non-constant prepayment rates can cause any Scheduled Class not to receive Scheduled Payments, even if prepayment rates remain within the initial Effective Range, if any, for that Class. Further, the Effective Range for any Scheduled Class can narrow or shift over time depending on the actual characteristics of the related Mortgage Loans.

If the related Mortgage Loans prepay at rates that are generally below the Effective Range for any Scheduled Class, the amount available to pay principal on the Securities may be insufficient to produce Scheduled Payments on that related Scheduled Class, and its Weighted Average Life may be extended, perhaps significantly.

If the related Mortgage Loans prepay at rates that are generally above the Effective Range for any Scheduled Class, its supporting Classes may be retired earlier than that Scheduled Class, and the Weighted Average Life of the Scheduled Class may be shortened, perhaps significantly.

## Assumability

Each Mortgage Loan may be assumed, subject to HUD review and approval, 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, 3, 4, 5, 7, 8, 9, 10, 11, 12 and 13 Trust Assets have the assumed characteristics shown under "Assumed Characteristics of the Mortgage

Loans Underlying the Group 1, 2, 3, 4, 5, 7, 8, 9, 10, 11, 12 and 13 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 term to maturity of 360 months and remaining term to maturity of 360 months for the Group 1 Trust Assets, 325 months for the Group 2 and 7 Trust Assets, 244 months for the Group 3 Trust Assets, 338 months for the Group 4 Trust Assets, 323 months for the Group 5 Trust Assets, 312 months for the Group 8 Trust Assets, 313 months for the Group 9 Trust Assets, 322 months for the Group 10 Trust Assets, 289 months for the Group 11 and 13 Trust Assets and 354 months for the Group 12 Trust Assets. Each Mortgage Loan underlying a Group 2, 9 or 12 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 1, 3, 4, 5, 7, 8, 10, 11 and 13 Securities are always received on the 16 th day of the month, distributions on the Group 2, 9 and 12 Securities are always received on the 20 th day of the month and distributions on the Group 6 Securities are always received on the 21 st day of the month, in each case whether or not a Business Day, commencing in December 2002.
4. A termination of the Trust or any Underlying Trust does not occur.
5. The Closing Date for the Securities is November 29, 2002.
6. No expenses or fees are paid by the Trust other than the Trustee Fee.
7. Distributions on the Underlying Certificates are made as described in the related Underlying Certificate 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, 20th or 21 st 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 a Notional Class is not entitled to distributions of principal and has no weighted average life. 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 (or Class Notional) Balances and Weighted Average Lives 

| Distribution Date | Security Group 1 <br> PSA Prepayment Assumption Rates |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Classes A, J, JA, JF and JS |  |  |  |  |
|  | 0\% | 300\% | 565\% | 900\% | 1200\% |
| Initial Percent | 100 | 100 | 100 | 100 | 100 |
| November 2003 | 99 | 91 | 84 | 75 | 66 |
| November 2004 | 98 | 76 | 59 | 40 | 25 |
| November 2005. | 97 | 62 | 39 | 18 | 7 |
| November 2006 | 96 | 50 | 25 | 8 | 2 |
| November 2007. | 95 | 40 | 16 | 4 | 1 |
| November 2008. | 93 | 33 | 11 | 2 | 0 |
| November 2009. | 92 | 26 | 7 | 1 | 0 |
| November 2010 | 90 | 21 | 5 | 0 | 0 |
| November 2011 | 89 | 17 | 3 | 0 | 0 |
| November 2012 | 87 | 14 | 2 | 0 | 0 |
| November 2013. | 85 | 11 | 1 | 0 | 0 |
| November 2014 | 83 | 9 | 1 | 0 | 0 |
| November 2015. | 80 | 7 | 1 | 0 | 0 |
| November 2016 | 78 | 6 | 0 | 0 | 0 |
| November 2017. | 75 | 4 | 0 | 0 | 0 |
| November 2018. | 73 | 3 | 0 | 0 | 0 |
| November 2019. | 70 | 3 | 0 | 0 | 0 |
| November 2020 | 66 | 2 | 0 | 0 | 0 |
| November 2021 | 63 | 2 | 0 | 0 | 0 |
| November 2022. | 59 | 1 | 0 | 0 | 0 |
| November 2023. | 55 | 1 | 0 | 0 | 0 |
| November 2024 | 50 | 1 | 0 | 0 | 0 |
| November 2025 | 46 | 1 | 0 | 0 | 0 |
| November 2026 | 40 | 0 | 0 | 0 | 0 |
| November 2027. | 35 | 0 | 0 | 0 | 0 |
| November 2028 | 29 | 0 | 0 | 0 | 0 |
| November 2029. | 22 | 0 | 0 | 0 | 0 |
| November 2030. | 16 | 0 | 0 | 0 | 0 |
| November 2031. | 8 | 0 | 0 | 0 | 0 |
| November 2032. | 0 | 0 | 0 | 0 | 0 |
| Weighted Average |  |  |  |  |  |
| Life (years) .... | 20.2 | 5.3 | 3.0 | 2.0 | 1.5 |


| Distribution Date | Security Group 2 <br> PSA Prepayment Assumption Rates |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Classes B, D, DA, FD and SD |  |  |  |  | Class EA |  |  |  |  | Class EB |  |  |  |  |
|  | 0\% | 300\% | 603\% | 1000\% | 1300\% | 0\% | 300\% | 603\% | 1000\% | 1300\% | 0\% | 300\% | 603\% | 1000\% | 1300\% |
| Initial Percent | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| November 2003. | 99 | 81 | 63 | 39 | 22 | 99 | 88 | 73 | 46 | 25 | 100 | 38 | 0 | 0 | 0 |
| November 2004 | 98 | 65 | 40 | 16 | 5 | 98 | 76 | 46 | 18 | 5 | 100 | 0 | 0 | 0 | 0 |
| November 2005. | 97 | 53 | 25 | 6 | 1 | 97 | 61 | 29 | 7 | 1 | 100 | 0 | 0 | 0 | 0 |
| November 2006. | 96 | 42 | 16 | 2 | 0 | 95 | 49 | 18 | 3 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2007. | 95 | 34 | 10 | 1 | 0 | 94 | 40 | 11 | 1 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2008. | 93 | 27 | 6 | 0 | 0 | 92 | 32 | 7 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2009. | 92 | 22 | 4 | 0 | 0 | 90 | 25 | 4 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2010. | 90 | 17 | 2 | 0 | 0 | 88 | 20 | 3 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2011. | 88 | 14 | 1 | 0 | 0 | 86 | 16 | 2 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2012. | 86 | 11 | 1 | 0 | 0 | 84 | 13 | 1 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2013. | 84 | 9 | 1 | 0 | 0 | 81 | 10 | 1 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2014 | 81 | 7 | 0 | 0 | 0 | 78 | 8 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2015 | 79 | 5 | 0 | 0 | 0 | 75 | 6 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2016. | 76 | 4 | 0 | 0 | 0 | 72 | 5 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2017. | 73 | 3 | 0 | 0 | 0 | 68 | 4 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2018. | 69 | 2 | 0 | 0 | 0 | 64 | 3 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2019. | 65 | 2 | 0 | 0 | 0 | 59 | 2 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2020. | 61 | 1 | 0 | 0 | 0 | 55 | 1 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2021 | 57 | 1 | 0 | 0 | 0 | 49 | 1 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2022 | 52 | 1 | 0 | 0 | 0 | 43 | 1 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2023. | 46 | 0 | 0 | 0 | 0 | 37 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2024 | 40 | 0 | 0 | 0 | 0 | 30 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2025. | 34 | 0 | 0 | 0 | 0 | 23 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2026 | 26 | 0 | 0 | 0 | 0 | 14 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2027. | 19 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2028. | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 71 | 0 | 0 | 0 | 0 |
| November 2029. | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 |
| November 2030. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2031. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2032 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Weighted Average |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Life (years) ... | 18.6 | 4.5 | 2.2 | 1.1 | 0.7 | 17.3 | 5.1 | 2.5 | 1.3 | 0.8 | 26.3 | 0.8 | 0.2 | 0.1 | 0.1 |

Security Group 3

| Distribution Date | Security Group 3 <br> PSA Prepayment Assumption Rates |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Classes C, FC and SC |  |  |  |  |
|  | 0\% | 250\% | 515\% | 800\% | 1100\% |
| Initial Percent | 100 | 100 | 100 | 100 | 100 |
| November 2003 | 98 | 82 | 67 | 50 | 33 |
| November 2004 | 97 | 67 | 44 | 25 | 11 |
| November 2005 | 95 | 55 | 29 | 13 | 3 |
| November 2006 | 93 | 44 | 19 | 6 | 1 |
| November 2007 | 90 | 35 | 13 | 3 | 0 |
| November 2008 | 88 | 28 | 8 | 1 | 0 |
| November 2009 | 85 | 22 | 5 | 1 | 0 |
| November 2010 | 81 | 17 | 3 | 0 | 0 |
| November 2011 | 78 | 13 | 2 | 0 | 0 |
| November 2012 | 74 | 9 | 1 | 0 | 0 |
| November 2013 | 70 | 6 | 1 | 0 | 0 |
| November 2014 | 65 | 4 | 0 | 0 | 0 |
| November 2015 | 60 | 2 | 0 | 0 | 0 |
| November 2016 | 54 | 0 | 0 | 0 | 0 |
| November 2017 | 47 | 0 | 0 | 0 | 0 |
| November 2018. | 40 | 0 | 0 | 0 | 0 |
| November 2019 | 33 | 0 | 0 | 0 | 0 |
| November 2020 | 24 | 0 | 0 | 0 | 0 |
| November 2021 | 14 | 0 | 0 | 0 | 0 |
| November 2022 | 4 | 0 | 0 | 0 | 0 |
| November 2023 | 0 | 0 | 0 | 0 | 0 |
| November 2024 | 0 | 0 | 0 | 0 | 0 |
| November 2025 | 0 | 0 | 0 | 0 | 0 |
| November 2026. | 0 | 0 | 0 | 0 | 0 |
| November 2027. | 0 | 0 | 0 | 0 | 0 |
| November 2028. | 0 | 0 | 0 | 0 | 0 |
| November 2029. | 0 | 0 | 0 | 0 | 0 |
| November 2030 | 0 | 0 | 0 | 0 | 0 |
| November 2031 | 0 | 0 | 0 | 0 | 0 |
| November 2032. | 0 | 0 | 0 | 0 | 0 |
| Weighted Average |  |  |  |  |  |
| Life (years) . | 13.4 | 4.3 | 2.4 | 1.4 | 0.9 |


| $\underline{\text { Distribution Date }}$ | Security Group 4 PSA Prepayment Assumption Rates |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Classes F, S and X |  |  |  |  |
|  | 0\% | 250\% | 464\% | 750\% | 1000\% |
| Initial Percent | 100 | 100 | 100 | 100 | 100 |
| November 2003 | 99 | 82 | 70 | 53 | 39 |
| November 2004 | 98 | 67 | 49 | 28 | 15 |
| November 2005 | 98 | 55 | 34 | 15 | 6 |
| November 2006. | 97 | 44 | 23 | 8 | 2 |
| November 2007. | 95 | 36 | 16 | 4 | 1 |
| November 2008. | 94 | 28 | 11 | 2 | 0 |
| November 2009 | 93 | 22 | 7 | 1 | 0 |
| November 2010. | 92 | 17 | 5 | 1 | 0 |
| November 2011 | 90 | 13 | 3 | 0 | 0 |
| November 2012 | 88 | 10 | 2 | 0 | 0 |
| November 2013 | 86 | 7 | 1 | 0 | 0 |
| November 2014 | 84 | 5 | 1 | 0 | 0 |
| November 2015 | 82 | 3 | 0 | 0 | 0 |
| November 2016 | 79 | 1 | 0 | 0 | 0 |
| November 2017. | 77 | 0 | 0 | 0 | 0 |
| November 2018. | 73 | 0 | 0 | 0 | 0 |
| November 2019. | 70 | 0 | 0 | 0 | 0 |
| November 2020. | 66 | 0 | 0 | 0 | 0 |
| November 2021 | 62 | 0 | 0 | 0 | 0 |
| November 2022 | 58 | 0 | 0 | 0 | 0 |
| November 2023 | 53 | 0 | 0 | 0 | 0 |
| November 2024 | 48 | 0 | 0 | 0 | 0 |
| November 2025 | 42 | 0 | 0 | 0 | 0 |
| November 2026. | 35 | 0 | 0 | 0 | 0 |
| November 2027. | 28 | 0 | 0 | 0 | 0 |
| November 2028. | 20 | 0 | 0 | 0 | 0 |
| November 2029. | 11 | 0 | 0 | 0 | 0 |
| November 2030. | 2 | 0 | 0 | 0 | 0 |
| November 2031 | 0 | 0 | 0 | 0 | 0 |
| November 2032 | 0 | 0 | 0 | 0 | 0 |
| Weighted Average |  |  |  |  |  |
| Life (years) ... | 19.7 | 4.4 | 2.7 | 1.6 | 1.1 |

Security Group 5
PSA Prepayment Assumption Rates

| $\underline{\text { Distribution Date }}$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Classes FG, G and SG |  |  |  |  | Class GH |  |  |  |  | Class GJ |  |  |  |  |
|  | 0\% | 300\% | 615\% | 950\% | 1300\% | 0\% | 300\% | 615\% | 950\% | 1300\% | 0\% | 300\% | 615\% | 950\% | 1300\% |
| Initial Percent | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| November 2003. | 99 | 81 | 62 | 42 | 22 | 98 | 88 | 73 | 50 | 25 | 100 | 38 | 0 | 0 | 0 |
| November 2004 | 97 | 65 | 39 | 18 | 5 | 97 | 76 | 45 | 21 | 5 | 100 | 0 | 0 | 0 | 0 |
| November 2005 | 96 | 53 | 24 | 8 | 1 | 95 | 61 | 28 | 9 | 1 | 100 | 0 | 0 | 0 | 0 |
| November 2006. | 94 | 42 | 15 | 3 | 0 | 93 | 49 | 17 | 4 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2007. | 92 | 34 | 9 | 1 | 0 | 91 | 40 | 11 | 2 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2008. | 91 | 27 | 6 | 1 | 0 | 89 | 32 | 7 | 1 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2009. | 89 | 22 | 3 | 0 | 0 | 87 | 25 | 4 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2010. | 87 | 17 | 2 | 0 | 0 | 84 | 20 | 2 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2011. | 84 | 14 | 1 | 0 | 0 | 82 | 16 | 2 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2012 | 82 | 11 | 1 | 0 | 0 | 79 | 13 | 1 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2013. | 79 | 9 | 0 | 0 | 0 | 76 | 10 | 1 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2014 | 76 | 7 | 0 | 0 | 0 | 72 | 8 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2015. | 73 | 5 | 0 | 0 | 0 | 69 | 6 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2016. | 70 | 4 | 0 | 0 | 0 | 65 | 5 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2017. | 67 | 3 | 0 | 0 | 0 | 61 | 4 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2018. | 63 | 2 | 0 | 0 | 0 | 57 | 3 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2019. | 59 | 2 | 0 | 0 | 0 | 52 | 2 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2020. | 55 | 1 | 0 | 0 | 0 | 47 | 2 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2021. | 50 | 1 | 0 | 0 | 0 | 42 | 1 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2022. | 45 | 1 | 0 | 0 | 0 | 36 | 1 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2023. | 40 | 1 | 0 | 0 | 0 | 30 | 1 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2024 | 34 | 0 | 0 | 0 | 0 | 23 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2025. | 28 | 0 | 0 | 0 | 0 | 16 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2026. | 22 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2027. | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2028. | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 51 | 0 | 0 | 0 | 0 |
| November 2029. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2030. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2031. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2032. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Weighted Average Life (years) ... | 17.4 | 4.5 | 2.1 | 1.2 | 0.7 | 16.0 | 5.1 | 2.4 | 1.3 | 0.8 | 26.0 | 0.8 | 0.2 | 0.1 | 0.1 |

Security Group 6
PSA Prepayment Assumption Rates


Security Group 6
PSA Prepayment Assumption Rates

| Distribution Date | Class DO |  |  |  |  | Class GO |  |  |  |  | Class EO |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 0\% | 400\% | 950\% | 1000\% | 1600\% | 0\% | 400\% | 950\% | 1000\% | 1600\% | 0\% | 400\% | 950\% | 1000\% | 1600\% |
| Initial Percent | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| November 2003 | 100 | 100 | 33 | 25 | 0 | 100 | 100 | 0 | 0 | 0 | 98 | 70 | 53 | 51 | 26 |
| November 2004 | 100 | 98 | 10 | 0 | 0 | 100 | 100 | 0 | 0 | 0 | 97 | 44 | 22 | 19 | 2 |
| November 2005 | 100 | 78 | 6 | 0 | 0 | 100 | 100 | 0 | 0 | 0 | 96 | 28 | 9 | 8 | 0 |
| November 2006 | 100 | 52 | 3 | 0 | 0 | 100 | 100 | 0 | 0 | 0 | 94 | 16 | 4 | 3 | 0 |
| November 2007. | 100 | 26 | 2 | 0 | 0 | 100 | 100 | 0 | 0 | 0 | 92 | 8 | 2 | 1 | 0 |
| November 2008. | 100 | 7 | 1 | 0 | 0 | 100 | 100 | 0 | 0 | 0 | 90 | 2 | 1 | 0 | 0 |
| November 2009. | 100 | 3 | 0 | 0 | 0 | 100 | 80 | 0 | 0 | 0 | 88 | 1 | 0 | 0 | 0 |
| November 2010. | 100 | 2 | 0 | 0 | 0 | 100 | 61 | 0 | 0 | 0 | 86 | 0 | 0 | 0 | 0 |
| November 2011. | 100 | 1 | 0 | 0 | 0 | 100 | 46 | 0 | 0 | 0 | 84 | 0 | 0 | 0 | 0 |
| November 2012 | 100 | 0 | 0 | 0 | 0 | 100 | 35 | 0 | 0 | 0 | 81 | 0 | 0 | 0 | 0 |
| November 2013. | 100 | 0 | 0 | 0 | 0 | 100 | 26 | 0 | 0 | 0 | 79 | 0 | 0 | 0 | 0 |
| November 2014. | 100 | 0 | 0 | 0 | 0 | 100 | 19 | 0 | 0 | 0 | 76 | 0 | 0 | 0 | 0 |
| November 2015. | 100 | 0 | 0 | 0 | 0 | 100 | 14 | 0 | 0 | 0 | 73 | 0 | 0 | 0 | 0 |
| November 2016. | 100 | 0 | 0 | 0 | 0 | 100 | 10 | 0 | 0 | 0 | 69 | 0 | 0 | 0 | 0 |
| November 2017. | 100 | 0 | 0 | 0 | 0 | 100 | 8 | 0 | 0 | 0 | 66 | 0 | 0 | 0 | 0 |
| November 2018. | 100 | 0 | 0 | 0 | 0 | 100 | 6 | 0 | 0 | 0 | 62 | 0 | 0 | 0 | 0 |
| November 2019. | 100 | 0 | 0 | 0 | 0 | 100 | 4 | 0 | 0 | 0 | 58 | 0 | 0 | 0 | 0 |
| November 2020. | 100 | 0 | 0 | 0 | 0 | 100 | 3 | 0 | 0 | 0 | 54 | 0 | 0 | 0 | 0 |
| November 2021. | 100 | 0 | 0 | 0 | 0 | 100 | 2 | 0 | 0 | 0 | 50 | 0 | 0 | 0 | 0 |
| November 2022 | 100 | 0 | 0 | 0 | 0 | 100 | 1 | 0 | 0 | 0 | 45 | 0 | 0 | 0 | 0 |
| November 2023. | 100 | 0 | 0 | 0 | 0 | 100 | 1 | 0 | 0 | 0 | 41 | 0 | 0 | 0 | 0 |
| November 2024 | 100 | 0 | 0 | 0 | 0 | 100 | 1 | 0 | 0 | 0 | 36 | 0 | 0 | 0 | 0 |
| November 2025. | 100 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 30 | 0 | 0 | 0 | 0 |
| November 2026. | 88 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 23 | 0 | 0 | 0 | 0 |
| November 2027. | 57 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 15 | 0 | 0 | 0 | 0 |
| November 2028. | 26 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 0 |
| November 2029. | 0 | 0 | 0 | 0 | 0 | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2030. | 0 | 0 | 0 | 0 | 0 | 22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2031. | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2032. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Weighted Average |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Life (years) ... | 25.2 | 4.2 | 1.0 | 0.7 | 0.2 | 27.6 | 9.7 | 0.3 | 0.2 | 0.1 | 17.4 | 2.2 | 1.4 | 1.3 | 0.7 |

PSA Prepayment Assumption Rates

| $\underline{\text { Distribution Date }}$ | Class SJ |  |  |  |  | Class SK |  |  |  |  | Class SL |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 0\% | 400\% | 950\% | 1000\% | 1600\% | 0\% | 400\% | 950\% | 1000\% | 1600\% | 0\% | 400\% | 950\% | 1000\% | 1600\% |
| Initial Percent | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| November 2003. | 100 | 22 | 0 | 0 | 0 | 99 | 84 | 64 | 62 | 39 | 97 | 37 | 0 | 0 | 0 |
| November 2004 | 100 | 0 | 0 | 0 | 0 | 98 | 64 | 29 | 26 | 3 | 97 | 0 | 0 | 0 | 0 |
| November 2005. | 100 | 0 | 0 | 0 | 0 | 96 | 48 | 12 | 10 | 0 | 97 | 0 | 0 | 0 | 0 |
| November 2006 | 100 | 0 | 0 | 0 | 0 | 95 | 36 | 5 | 4 | 0 | 97 | 0 | 0 | 0 | 0 |
| November 2007. | 100 | 0 | 0 | 0 | 0 | 94 | 27 | 2 | 2 | 0 | 97 | 0 | 0 | 0 | 0 |
| November 2008. | 100 | 0 | 0 | 0 | 0 | 92 | 20 | 1 | 1 | 0 | 97 | 0 | 0 | 0 | 0 |
| November 2009. | 100 | 0 | 0 | 0 | 0 | 90 | 15 | 0 | 0 | 0 | 97 | 0 | 0 | 0 | 0 |
| November 2010. | 100 | 0 | 0 | 0 | 0 | 89 | 11 | 0 | 0 | 0 | 97 | 0 | 0 | 0 | 0 |
| November 2011 | 100 | 0 | 0 | 0 | 0 | 87 | 8 | 0 | 0 | 0 | 97 | 0 | 0 | 0 | 0 |
| November 2012. | 100 | 0 | 0 | 0 | 0 | 84 | 6 | 0 | 0 | 0 | 97 | 0 | 0 | 0 | 0 |
| November 2013. | 100 | 0 | 0 | 0 | 0 | 82 | 5 | 0 | 0 | 0 | 97 | 0 | 0 | 0 | 0 |
| November 2014 | 100 | 0 | 0 | 0 | 0 | 80 | 3 | 0 | 0 | 0 | 97 | 0 | 0 | 0 | 0 |
| November 2015. | 100 | 0 | 0 | 0 | 0 | 77 | 2 | 0 | 0 | 0 | 97 | 0 | 0 | 0 | 0 |
| November 2016 | 100 | 0 | 0 | 0 | 0 | 74 | 2 | 0 | 0 | 0 | 97 | 0 | 0 | 0 | 0 |
| November 2017. | 100 | 0 | 0 | 0 | 0 | 71 | 1 | 0 | 0 | 0 | 97 | 0 | 0 | 0 | 0 |
| November 2018. | 100 | 0 | 0 | 0 | 0 | 68 | 1 | 0 | 0 | 0 | 97 | 0 | 0 | 0 | 0 |
| November 2019. | 100 | 0 | 0 | 0 | 0 | 65 | 1 | 0 | 0 | 0 | 97 | 0 | 0 | 0 | 0 |
| November 2020. | 100 | 0 | 0 | 0 | 0 | 61 | 0 | 0 | 0 | 0 | 97 | 0 | 0 | 0 | 0 |
| November 2021. | 100 | 0 | 0 | 0 | 0 | 57 | 0 | 0 | 0 | 0 | 97 | 0 | 0 | 0 | 0 |
| November 2022. | 100 | 0 | 0 | 0 | 0 | 53 | 0 | 0 | 0 | 0 | 97 | 0 | 0 | 0 | 0 |
| November 2023. | 100 | 0 | 0 | 0 | 0 | 48 | 0 | 0 | 0 | 0 | 97 | 0 | 0 | 0 | 0 |
| November 2024. | 100 | 0 | 0 | 0 | 0 | 43 | 0 | 0 | 0 | 0 | 97 | 0 | 0 | 0 | 0 |
| November 2025. | 100 | 0 | 0 | 0 | 0 | 37 | 0 | 0 | 0 | 0 | 87 | 0 | 0 | 0 | 0 |
| November 2026. | 100 | 0 | 0 | 0 | 0 | 32 | 0 | 0 | 0 | 0 | 69 | 0 | 0 | 0 | 0 |
| November 2027. | 100 | 0 | 0 | 0 | 0 | 25 | 0 | 0 | 0 | 0 | 49 | 0 | 0 | 0 | 0 |
| November 2028. | 100 | 0 | 0 | 0 | 0 | 19 | 0 | 0 | 0 | 0 | 27 | 0 | 0 | 0 | 0 |
| November 2029. | 66 | 0 | 0 | 0 | 0 | 12 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 |
| November 2030. | 15 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2031. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2032.. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Weighted Average Life (years) | 27.3 | 0.7 | 0.3 | 0.2 | 0.1 | 18.8 | 3.9 | 1.6 | 1.5 | 0.9 | 24.2 | 0.9 | 0.3 | 0.3 | 0.2 |

Security Group
PSA Prepayment Assumption Rates

| Distribution Date | Classes FT, ST, T and TG |  |  |  |  | Class TA |  |  |  |  | Class TB |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 0\% | 300\% | 593\% | 900\% | 1200\% | 0\% | 300\% | 593\% | 900\% | 1200\% | 0\% | 300\% | 593\% | 900\% | 1200\% |
| Initial Percent | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| November 2003. | 99 | 81 | 63 | 45 | 28 | 99 | 88 | 72 | 51 | 31 | 100 | 26 | 0 | 0 | 0 |
| November 2004 | 98 | 65 | 40 | 20 | 8 | 97 | 74 | 46 | 23 | 9 | 100 | 0 | 0 | 0 | 0 |
| November 2005. | 96 | 52 | 25 | 9 | 2 | 96 | 60 | 29 | 11 | 2 | 100 | 0 | 0 | 0 | 0 |
| November 2006 | 95 | 42 | 16 | 4 | 1 | 94 | 48 | 18 | 5 | 1 | 100 | 0 | 0 | 0 | 0 |
| November 2007. | 93 | 34 | 10 | 2 | 0 | 92 | 38 | 11 | 2 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2008. | 91 | 27 | 6 | 1 | 0 | 90 | 31 | 7 | 1 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2009. | 90 | 22 | 4 | 0 | 0 | 88 | 25 | 5 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2010. | 88 | 17 | 2 | 0 | 0 | 86 | 20 | 3 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2011. | 85 | 14 | 2 | 0 | 0 | 83 | 15 | 2 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2012. | 83 | 11 | 1 | 0 | 0 | 81 | 12 | 1 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2013. | 81 | 8 | 1 | 0 | 0 | 78 | 10 | 1 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2014. | 78 | 7 | 0 | 0 | 0 | 75 | 8 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2015. | 75 | 5 | 0 | 0 | 0 | 72 | 6 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2016. | 72 | 4 | 0 | 0 | 0 | 68 | 5 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2017. | 69 | 3 | 0 | 0 | 0 | 64 | 3 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2018. | 65 | 2 | 0 | 0 | 0 | 60 | 3 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2019. | 61 | 2 | 0 | 0 | 0 | 56 | 2 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2020. | 57 | 1 | 0 | 0 | 0 | 51 | 1 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2021. | 52 | 1 | 0 | 0 | 0 | 46 | 1 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2022. | 47 | 1 | 0 | 0 | 0 | 40 | 1 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2023. | 42 | 0 | 0 | 0 | 0 | 34 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2024. | 36 | 0 | 0 | 0 | 0 | 28 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2025. | 30 | 0 | 0 | 0 | 0 | 21 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2026. | 24 | 0 | 0 | 0 | 0 | 13 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2027. | 17 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2028. | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 75 | 0 | 0 | 0 | 0 |
| November 2029. | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 |
| November 2030. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2031. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2032. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Weighted Average Life (years) ... | 17.8 | 4.5 | 2.2 | 1.3 | 0.8 | 16.7 | 5.0 | 2.5 | 1.4 | 0.9 | 26.4 | 0.7 | 0.2 | 0.1 | 0.1 |

Security Group 8
PSA Prepayment Assumption Rates

| Distribution Date | Classes FU, SU, U and UC |  |  |  |  | Class UA |  |  |  |  | Class UB |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 0\% | 300\% | 593\% | 900\% | 1200\% | 0\% | 300\% | 593\% | 900\% | 1200\% | 0\% | 300\% | 593\% | 900\% | 1200\% |
| Initial Percent | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| November 2003 | 99 | 80 | 63 | 45 | 27 | 99 | 88 | 69 | 49 | 30 | 100 | 0 | 0 | 0 | 0 |
| November 2004 | 97 | 64 | 40 | 20 | 7 | 97 | 70 | 43 | 22 | 8 | 100 | 0 | 0 | 0 | 0 |
| November 2005 | 96 | 51 | 25 | 9 | 2 | 95 | 56 | 27 | 10 | 2 | 100 | 0 | 0 | 0 | 0 |
| November 2006 | 94 | 41 | 16 | 4 | 1 | 94 | 45 | 17 | 4 | 1 | 100 | 0 | 0 | 0 | 0 |
| November 2007 | 92 | 32 | 10 | 2 | 0 | 92 | 35 | 11 | 2 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2008 | 91 | 26 | 6 | 1 | 0 | 90 | 28 | 7 | 1 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2009 | 89 | 20 | 4 | 0 | 0 | 87 | 22 | 4 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2010 | 86 | 16 | 2 | 0 | 0 | 85 | 17 | 2 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2011 | 84 | 12 | 1 | 0 | 0 | 82 | 13 | 2 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2012 | 81 | 9 | 1 | 0 | 0 | 80 | 10 | 1 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2013 | 79 | 7 | 1 | 0 | 0 | 77 | 8 | 1 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2014 | 76 | 5 | 0 | 0 | 0 | 73 | 6 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2015. | 73 | 4 | 0 | 0 | 0 | 70 | 4 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2016 | 69 | 3 | 0 | 0 | 0 | 66 | 3 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2017. | 65 | 2 | 0 | 0 | 0 | 62 | 2 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2018. | 61 | 1 | 0 | 0 | 0 | 58 | 2 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2019. | 57 | 1 | 0 | 0 | 0 | 53 | 1 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2020. | 53 | 1 | 0 | 0 | 0 | 48 | 1 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2021 | 48 | 0 | 0 | 0 | 0 | 43 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2022. | 42 | 0 | 0 | 0 | 0 | 37 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2023 | 36 | 0 | 0 | 0 | 0 | 30 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2024 | 30 | 0 | 0 | 0 | 0 | 23 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2025 | 23 | 0 | 0 | 0 | 0 | 16 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2026 | 16 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2027. | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 96 | 0 | 0 | 0 | 0 |
| November 2028. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2029. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2030. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2031 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2032. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Weighted Average |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Life (years) . | 17.0 | 4.3 | 2.1 | 1.3 | 0.8 | 16.2 | 4.6 | 2.3 | 1.4 | 0.8 | 25.5 | 0.5 | 0.1 | 0.1 | 0.0 |

Security Group 9

| $\underline{\text { Distribution Date }}$ | PSA Prepayment Assumption Rates |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Classes DW, FW, SW and W |  |  |  |  | Class WA |  |  |  |  | Class WB |  |  |  |  |
|  | 0\% | 400\% | 738\% | 1000\% | 1500\% | 0\% | 400\% | 738\% | 1000\% | 1500\% | 0\% | 400\% | 738\% | 1000\% | 1500\% |
| Initial Percent | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| November 2003 | 99 | 75 | 55 | 39 | 10 | 99 | 87 | 64 | 46 | 11 | 100 | 0 | 0 | 0 | 0 |
| November 2004 | 98 | 56 | 30 | 16 | 1 | 97 | 65 | 35 | 18 | 1 | 100 | 0 | 0 | 0 | 0 |
| November 2005 | 96 | 42 | 16 | 6 | 0 | 96 | 49 | 19 | 7 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2006 | 95 | 31 | 9 | 2 | 0 | 94 | 36 | 10 | 3 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2007. | 93 | 23 | 5 | 1 | 0 | 92 | 27 | 6 | 1 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2008 | 92 | 17 | 3 | 0 | 0 | 90 | 20 | 3 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2009. | 90 | 13 | 1 | 0 | 0 | 88 | 15 | 2 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2010 | 88 | 9 | 1 | 0 | 0 | 86 | 11 | 1 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2011. | 86 | 7 | 0 | 0 | 0 | 84 | 8 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2012 | 84 | 5 | 0 | 0 | 0 | 81 | 6 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2013 | 81 | 4 | 0 | 0 | 0 | 78 | 4 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2014. | 78 | 3 | 0 | 0 | 0 | 75 | 3 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2015 | 75 | 2 | 0 | 0 | 0 | 71 | 2 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2016. | 72 | 1 | 0 | 0 | 0 | 67 | 2 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2017. | 68 | 1 | 0 | 0 | 0 | 63 | 1 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2018. | 65 | 1 | 0 | 0 | 0 | 59 | 1 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2019. | 60 | 0 | 0 | 0 | 0 | 54 | 1 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2020 | 56 | 0 | 0 | 0 | 0 | 48 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2021. | 51 | 0 | 0 | 0 | 0 | 43 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2022. | 45 | 0 | 0 | 0 | 0 | 36 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2023 | 39 | 0 | 0 | 0 | 0 | 29 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2024 | 33 | 0 | 0 | 0 | 0 | 22 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2025. | 26 | 0 | 0 | 0 | 0 | 14 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2026. | 18 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2027. | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 70 | 0 | 0 | 0 | 0 |
| November 2028. | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 |
| November 2029. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2030. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2031. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2032. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Weighted Average |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Life (years) ... | 17.5 | 3.4 | 1.7 | 1.1 | 0.4 | 16.2 | 3.9 | 1.9 | 1.3 | 0.5 | 25.3 | 0.5 | 0.2 | 0.1 | 0.1 |


| Distribution Date | Security Group 10 <br> PSA Prepayment Assumption Rates |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Classes FX, SX, XA, XO and XS |  |  |  |  |
|  | 0\% | 300\% | 635\% | 1000\% | 1300\% |
| Initial Percent | 100 | 100 | 100 | 100 | 100 |
| November 2003 | 99 | 81 | 61 | 39 | 22 |
| November 2004 | 98 | 65 | 37 | 16 | 5 |
| November 2005 | 96 | 53 | 23 | 6 | 1 |
| November 2006 | 95 | 42 | 14 | 2 | 0 |
| November 2007 | 93 | 34 | 8 | 1 | 0 |
| November 2008 | 92 | 27 | 5 | 0 | 0 |
| November 2009 | 90 | 22 | 3 | 0 | 0 |
| November 2010 | 88 | 17 | 2 | 0 | 0 |
| November 2011 | 86 | 14 | 1 | 0 | 0 |
| November 2012 | 84 | 11 | 1 | 0 | 0 |
| November 2013 | 81 | 9 | 0 | 0 | 0 |
| November 2014 | 79 | 7 | 0 | 0 | 0 |
| November 2015 | 76 | 5 | 0 | 0 | 0 |
| November 2016 | 73 | 4 | 0 | 0 | 0 |
| November 2017 | 69 | 3 | 0 | 0 | 0 |
| November 2018 | 66 | 2 | 0 | 0 | 0 |
| November 2019. | 62 | 2 | 0 | 0 | 0 |
| November 2020 | 57 | 1 | 0 | 0 | 0 |
| November 2021 | 53 | 1 | 0 | 0 | 0 |
| November 2022 | 48 | 1 | 0 | 0 | 0 |
| November 2023 | 42 | 0 | 0 | 0 | 0 |
| November 2024 | 36 | 0 | 0 | 0 | 0 |
| November 2025 | 30 | 0 | 0 | 0 | 0 |
| November 2026 | 23 | 0 | 0 | 0 | 0 |
| November 2027 | 15 | 0 | 0 | 0 | 0 |
| November 2028 | 7 | 0 | 0 | 0 | 0 |
| November 2029 | 0 | 0 | 0 | 0 | 0 |
| November 2030 | 0 | 0 | 0 | 0 | 0 |
| November 2031 | 0 | 0 | 0 | 0 | 0 |
| November 2032 | 0 | 0 | 0 | 0 | 0 |
| Weighted Average |  |  |  |  |  |
| Life (years) | 17.9 | 4.5 | 2.0 | 1.1 | 0.7 |


| Distribution Date | Security Group 11 <br> PSA Prepayment Assumption Rates |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Classes FY, SY, TE and Y |  |  |  |  | Class TC |  |  |  |  | Class TD |  |  |  |  |
|  | 0\% | 300\% | 635\% | 1000\% | 1300\% | 0\% | 300\% | 635\% | 1000\% | 1300\% | 0\% | 300\% | 635\% | 1000\% | 1300\% |
| Initial Percent | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| November 2003 | 99 | 80 | 61 | 39 | 22 | 98 | 88 | 67 | 44 | 24 | 100 | 13 | 0 | 0 | 0 |
| November 2004 | 97 | 64 | 37 | 15 | 5 | 97 | 72 | 41 | 17 | 5 | 100 | 0 | 0 | 0 | 0 |
| November 2005. | 95 | 51 | 22 | 6 | 1 | 95 | 57 | 25 | 7 | 1 | 100 | 0 | 0 | 0 | 0 |
| November 2006 | 94 | 41 | 13 | 2 | 0 | 93 | 46 | 15 | 3 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2007. | 92 | 33 | 8 | 1 | 0 | 91 | 36 | 9 | 1 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2008. | 89 | 26 | 5 | 0 | 0 | 88 | 29 | 5 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2009 | 87 | 20 | 3 | 0 | 0 | 86 | 23 | 3 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2010. | 85 | 16 | 2 | 0 | 0 | 83 | 18 | 2 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2011. | 82 | 12 | 1 | 0 | 0 | 80 | 14 | 1 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2012 | 79 | 10 | 1 | 0 | 0 | 77 | 11 | 1 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2013. | 76 | 7 | 0 | 0 | 0 | 73 | 8 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2014 | 72 | 6 | 0 | 0 | 0 | 69 | 6 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2015. | 69 | 4 | 0 | 0 | 0 | 65 | 5 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2016 | 65 | 3 | 0 | 0 | 0 | 61 | 3 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2017. | 60 | 2 | 0 | 0 | 0 | 56 | 2 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2018. | 56 | 1 | 0 | 0 | 0 | 51 | 2 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2019. | 51 | 1 | 0 | 0 | 0 | 45 | 1 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2020. | 45 | 1 | 0 | 0 | 0 | 39 | 1 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2021. | 39 | 0 | 0 | 0 | 0 | 32 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2022. | 33 | 0 | 0 | 0 | 0 | 25 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2023 | 26 | 0 | 0 | 0 | 0 | 17 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2024 | 18 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2025. | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 96 | 0 | 0 | 0 | 0 |
| November 2026 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 0 |
| November 2027. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2028. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2029. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2030. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2031. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2032. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Weighted Average |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Life (years) . | 15.7 | 4.3 | 2.0 | 1.1 | 0.7 | 14.8 | 4.7 | 2.2 | 1.2 | 0.7 | 23.5 | 0.6 | 0.1 | 0.1 | 0.0 |


| Distribution Date | Security Group 12 <br> PSA Prepayment Assumption Rates |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Classes FH, H and SH |  |  |  |  |
|  | 0\% | 300\% | 640\% | 1000\% | 1300\% |
| Initial Percent | 100 | 100 | 100 | 100 | 100 |
| November 2003 | 99 | 81 | 61 | 39 | 22 |
| November 2004 | 99 | 65 | 37 | 15 | 5 |
| November 2005 | 98 | 52 | 22 | 6 | 1 |
| November 2006 | 97 | 42 | 13 | 2 | 0 |
| November 2007 | 96 | 34 | 8 | 1 | 0 |
| November 2008 | 95 | 27 | 5 | 0 | 0 |
| November 2009 | 94 | 21 | 3 | 0 | 0 |
| November 2010 | 93 | 17 | 2 | 0 | 0 |
| November 2011 | 91 | 13 | 1 | 0 | 0 |
| November 2012 | 90 | 11 | 1 | 0 | 0 |
| November 2013 | 88 | 8 | 0 | 0 | 0 |
| November 2014 | 86 | 6 | 0 | 0 | 0 |
| November 2015 | 84 | 5 | 0 | 0 | 0 |
| November 2016 | 82 | 4 | 0 | 0 | 0 |
| November 2017 | 80 | 3 | 0 | 0 | 0 |
| November 2018 | 77 | 2 | 0 | 0 | 0 |
| November 2019. | 74 | 1 | 0 | 0 | 0 |
| November 2020 | 71 | 1 | 0 | 0 | 0 |
| November 2021 | 67 | 1 | 0 | 0 | 0 |
| November 2022 | 63 | 0 | 0 | 0 | 0 |
| November 2023 | 59 | 0 | 0 | 0 | 0 |
| November 2024 | 54 | 0 | 0 | 0 | 0 |
| November 2025 | 49 | 0 | 0 | 0 | 0 |
| November 2026. | 43 | 0 | 0 | 0 | 0 |
| November 2027. | 37 | 0 | 0 | 0 | 0 |
| November 2028. | 30 | 0 | 0 | 0 | 0 |
| November 2029. | 22 | 0 | 0 | 0 | 0 |
| November 2030. | 14 | 0 | 0 | 0 | 0 |
| November 2031 | 5 | 0 | 0 | 0 | 0 |
| November 2032. | 0 | 0 | 0 | 0 | 0 |
| Weighted Average |  |  |  |  |  |
| Life (years) | 20.9 | 4.4 | 2.0 | 1.1 | 0.7 |


| Distribution Date | Security Group 13 <br> PSA Prepayment Assumption Rates |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Classes FP, P and SP |  |  |  |  |
|  | 0\% | 300\% | 616\% | 1000\% | 1300\% |
| Initial Percent | 100 | 100 | 100 | 100 | 100 |
| November 2003 | 99 | 80 | 62 | 39 | 22 |
| November 2004 | 97 | 64 | 38 | 15 | 5 |
| November 2005 | 96 | 51 | 23 | 6 | 1 |
| November 2006 | 94 | 41 | 14 | 2 | 0 |
| November 2007 | 92 | 32 | 9 | 1 | 0 |
| November 2008 | 90 | 26 | 5 | 0 | 0 |
| November 2009 | 88 | 20 | 3 | 0 | 0 |
| November 2010 | 86 | 16 | 2 | 0 | 0 |
| November 2011 | 83 | 12 | 1 | 0 | 0 |
| November 2012 | 80 | 9 | 1 | 0 | 0 |
| November 2013 | 77 | 7 | 0 | 0 | 0 |
| November 2014 | 74 | 5 | 0 | 0 | 0 |
| November 2015 | 70 | 4 | 0 | 0 | 0 |
| November 2016 | 66 | 3 | 0 | 0 | 0 |
| November 2017 | 62 | 2 | 0 | 0 | 0 |
| November 2018 | 57 | 1 | 0 | 0 | 0 |
| November 2019. | 52 | 1 | 0 | 0 | 0 |
| November 2020 | 46 | 0 | 0 | 0 | 0 |
| November 2021 | 40 | 0 | 0 | 0 | 0 |
| November 2022 | 34 | 0 | 0 | 0 | 0 |
| November 2023 | 26 | 0 | 0 | 0 | 0 |
| November 2024 | 19 | 0 | 0 | 0 | 0 |
| November 2025 | 10 | 0 | 0 | 0 | 0 |
| November 2026 | 1 | 0 | 0 | 0 | 0 |
| November 2027 | 0 | 0 | 0 | 0 | 0 |
| November 2028. | 0 | 0 | 0 | 0 | 0 |
| November 2029. | 0 | 0 | 0 | 0 | 0 |
| November 2030 | 0 | 0 | 0 | 0 | 0 |
| November 2031 | 0 | 0 | 0 | 0 | 0 |
| November 2032. | 0 | 0 | 0 | 0 | 0 |
| Weighted Average |  |  |  |  |  |
| Life (years) | 15.9 | 4.3 | 2.1 | 1.1 | 0.7 |

## 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, in the case of the Group 6 Securities, the investor's own projection of principal 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 Classes), 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 Classes), 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 Trust Asset Group 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.

## LIBOR: Effect on Yields of the Floating Rate and Inverse Floating Rate Classes

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. In addition, the Floating Rate Classes will not benefit from a higher yield at high levels of LIBOR because the rate on such Classes is capped at a maximum rate described under "Terms Sheet - Interest Rates."

Payment Delay: Effect on Yields of the Fixed Rate Classes
The effective yield on any Fixed Rate Class will be less than the yield otherwise produced by its Interest Rate and purchase price because, on each Distribution Date, 30 days' interest will be payable on that Class even though interest began to accrue approximately 46 days earlier in the case of the Group $1,3,4,5,7,8,10,11$ and 13 Securities and 50 days earlier in the case of the Group 2, 9 and 12 Securities.

## 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, it is likely that the Mortgage Loans will experience actual prepayment rates 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 JS to Prepayments Assumed Price 8.00\%*

| LIBOR | PSA Prepayment Assumption Rates |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 300\% | 565\% | 900\% | 1200\% |
| 0.8\% | 116.8\% | 101.0\% | 79.7\% | 59.1\% |
| 1.8\% | 99.1\% | 83.4\% | 62.1\% | 41.6\% |
| 4.8\% | 49.3\% | 33.4\% | 11.9\% | (9.2) \% |
| 6.4\% and above | 24.6\% | 8.3\% | (14.0) \% | (36.1) \% |

## SECURITY GROUP 2

Sensitivity of Class SD to Prepayments Assumed Price 8.00\%*

| LIBOR | PSA Prepayment Assumption Rates |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 300\% | 603\% | 1000\% | 1300\% |
| 0.80\% | 72.4\% | 41.7\% | (6.4) \% | (54.3) \% |
| 1.80\% | 57.4\% | 28.3\% | (17.5) \% | (62.8) \% |
| 4.80\% | 15.2\% | (9.6) \% | (48.5) \% | (86.9) \% |
| 7.65\% | ** | ** | ** | ** |

[^1]
## SECURITY GROUP 3

Sensitivity of Class SC to Prepayments Assumed Price 8.00\%*

| $\underline{\text { LIBOR }}$ | PSA Prepayment Assumption Rates |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 250\% | 515\% | 800\% | 1100\% |
| 0.80\% | 101.7\% | 73.4\% | 38.8\% | (4.8) \% |
| 1.80\% | 85.4\% | 58.5\% | 25.6\% | (15.8) \% |
| 5.80\% | 25.0\% | 3.3\% | (23.0) \% | (56.2) \% |
| 9.30\% and above | ** | ** | ** | ** |

## SECURITY GROUP 4

Sensitivity of Class $S$ to Prepayments
Assumed Price 8.00\%*

| LIBOR | PSA Prepayment Assumption Rates |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 250\% | 464\% | 750\% | 1000\% |
| 0.80\% | 93.3\% | 71.3\% | 38.3\% | 4.7\% |
| 1.80\% | 77.3\% | 56.3\% | 25.0\% | (6.8) \% |
| 4.80\% | 32.2\% | 14.4\% | (12.2) \% | (39.1) \% |
| 8.80\% | ** | ** | ** | ** |

## SECURITY GROUP 5

Sensitivity of Class SG to Prepayments
Assumed Price 8.00\%*

| LIBOR | PSA Prepayment Assumption Rates |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 300\% | 615\% | 950\% | 1300\% |
| 0.38\% | 78.2\% | 45.3\% | 4.1\% | (51.9) \% |
| 1.38\% | 62.8\% | 31.7\% | (7.4) \% | (60.5) \% |
| 4.38\% | 20.0\% | (6.5) \% | (39.6) \% | (84.5) \% |
| 7.60\% | ** | ** | ** | ** |

## SECURITY GROUP 6

Sensitivity of Class AO to Prepayments
Assumed Price 98.75\%

| PSA Prepayment Assumption Rates |  |  |  |
| :---: | :---: | :---: | :---: |
| 400\% | 950\% | 1000\% | 1600\% |
| 1.6\% | 1.6\% | 1.6\% | 2.2\% |

[^2]Sensitivity of Class BO to Prepayments
Assumed Price 93.0\%

| PSA Prepayment Assumption Rates |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: |
| $\mathbf{4 0 0 \%}$ | $\underline{\mathbf{9 5 0 \%}}$ | $\underline{\mathbf{1 0 0 0 \%}}$ | $\underline{\mathbf{1 6 0 0 \%}}$ |  |
| $3.0 \%$ | $3.0 \%$ | $3.0 \%$ | $5.6 \%$ |  |

Sensitivity of Class CO to Prepayments Assumed Price 68.0\%

| PSA Prepayment Assumption Rates |  |  |  |
| :--- | :--- | :--- | :--- |
| $\frac{\mathbf{4 0 0 \%}}{\mathbf{6 . 5} \%}$ | $\underline{\mathbf{9 5 0} \%}$ | $\underline{\mathbf{1 0 0 0} \%}$ | $\underline{\mathbf{1 6 0 0 \%}}$ |
| $6.5 \%$ | $6.5 \%$ | $16.5 \%$ |  |

Sensitivity of Class DO to Prepayments
Assumed Price 92.5\%

| PSA Prepayment Assumption Rates |  |  |  |
| :---: | :---: | :---: | :---: |
| 400\% | 950\% | 1000\% | 1600\% |
| 1.9\% | 8.0\% | 11.1\% | 35.5\% |

Sensitivity of Class EO to Prepayments
Assumed Price 95.0\%

| PSA Prepayment Assumption Rates |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: |
| $\mathbf{4 0 0 \%}$ | $\underline{\mathbf{9 5 0 \%}}$ | $\underline{\mathbf{1 0 0 0} \%}$ | $\underline{\mathbf{1 6 0 0 \%}}$ |  |
| $2.4 \%$ | $3.8 \%$ | $4.0 \%$ | $7.3 \%$ |  |

Sensitivity of Class GO to Prepayments
Assumed Price 99.25\%

| PSA Prepayment Assumption Rates |  |  |  |
| :---: | :---: | :---: | :---: |
| 400\% | 950\% | 1000\% | 1600\% |
| 0.1\% | 3.0\% | 3.4\% | 9.2\% |

Sensitivity of Class SJ to Prepayments Assumed Price 4.0\%*
$\underline{\text { LIBOR }}$
0.38813\% . . . . . . . . . . . . . . . . . .

| 400\% | 950\% | 1000\% | 1600\% |
| :---: | :---: | :---: | :---: |
| 798.9\% | 114.3\% | 74.2\% | ** |
| 614.3\% | 39.8\% | 7.9\% | * |
| 172.6\% | ** | ** | ** |
| ** | ** | ** | ** |

[^3]
## Sensitivity of Class SK to Prepayments Assumed Price 28.0\%*

| $\underline{\text { LIBOR }}$ | PSA Prepayment Assumption Rates |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 400\% | 950\% | 1000\% | 1600\% |
| 0.38813\% | 74.9\% | 32.1\% | 27.8\% | (34.3) \% |
| 1.38813\% | 60.1\% | 17.9\% | 13.6\% | (48.3) \% |
| 4.38813\% | 18.1\% | (23.3) \% | (27.5) \% | (90.9) \% |
| $7.90000 \%$ and above | ** | ** | ** | ** |

## Sensitivity of Class SL to Prepayments Assumed Price 6.0\%*

| $\underline{\text { LIBOR }}$ | PSA Prepayment Assumption Rates |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 400\% | 950\% | 1000\% | 1600\% |
| 0.38813\% | 322.1\% | 6.1\% | (15.0) \% | ** |
| 1.38813\% | 246.7\% | (34.5) \% | (52.2) \% | ** |
| 4.38813\% | 52.2\% | ** | ** | ** |
| 7.95000\% | ** | ** | ** | ** |

## SECURITY GROUP 7

## Sensitivity of Class ST to Prepayments

Assumed Price 8.00\%*

| $\underline{\text { LIBOR }}$ | PSA Prepayment Assumption Rates |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 300\% | 593\% | 900\% | 1200\% |
| 0.38\% | 78.9\% | 48.4\% | 11.4\% | (33.3) \% |
| 1.38\% | 63.5\% | 34.6\% | (0.5) \% | (42.9) \% |
| 4.38\% | 20.6\% | (4.0) \% | (33.8) \% | (69.7) \% |
| 7.65\% | ** | ** | ** | ** |

## SECURITY GROUP 8

## Sensitivity of Class SU to Prepayments Assumed Price 8.00\%*

| LIBOR | PSA Prepayment Assumption Rates |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 300\% | 593\% | 900\% | 1200\% |
| 0.38\% | 78.7\% | 48.2\% | 11.3\% | (33.4) \% |
| 1.38\% | 63.3\% | 34.4\% | (0.7) \% | (43.0) \% |
| 4.38\% | 20.3\% | (4.3) \% | (34.0) \% | (69.8) \% |
| 7.70\% | ** | ** | ** | ** |

* 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.


## SECURITY GROUP 9

## Sensitivity of Class SW to Prepayments Assumed Price 8.00\%*

| $\underline{\text { LIBOR }}$ | PSA Prepayment Assumption Rates |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 400\% | 738\% | 1000\% | 1500\% |
| 0.38\% | 69.2\% | 32.3\% | (1.5) \% | (96.9) \% |
| 1.38\% | 54.4\% | 19.4\% | (12.7) \% | ** |
| 4.38\% | 12.9\% | (17.0) \% | (44.3) \% | ** |
| 7.65\% | ** | ** | ** | ** |

## SECURITY GROUP 10

Sensitivity of Class XS to Prepayments Assumed Price 8.00\%*

| LIBOR | PSA Prepayment Assumption Rates |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 300\% | 635\% | 1000\% | 1300\% |
| 0.38\% | 79.0\% | 43.8\% | (2.2) \% | (51.4) \% |
| 1.38\% | 63.7\% | 30.3\% | (13.4) \% | (60.0) \% |
| 4.38\% | 20.7\% | (7.7) \% | (44.7) \% | (84.1) \% |
|  | ** | ** | ** | ** |

Sensitivity of Class SX to Prepayments
Assumed Price 220.00\%*

| LIBOR | PSA Prepayment Assumption Rates |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 300\% | 635\% | 1000\% | 1300\% |
| 0.38\% | 40.6\% | 23.2\% | (1.2) \% | (30.3) \% |
| 1.38\% | 33.0\% | 16.2\% | (7.5) \% | (35.7) \% |
| 4.38\% | 10.9\% | (4.2) \% | (25.6) \% | (51.2) \% |
| 7.65\% and above | (12.4) \% | (25.2) \% | (44.2) \% | (67.0) \% |

## Sensitivity of Class XO to Prepayments

 Assumed Price 90.00\%PSA Prepayment Assumption Rates

| PSA Prepayment Assumption Rates |  |  |  |
| :--- | :---: | :---: | :---: |
| $\mathbf{3 0 0 \%}$ | $\frac{\mathbf{6 3 5 \%}}{5.6 \%}$ | $\frac{\mathbf{1 0 0 0 \%}}{10.5 \%}$ | $\underline{\mathbf{1 3 0 0 \%}}$ |
| $2.5 \%$ | $5.6 \%$ | $17.5 \%$ |  |

[^4]
## SECURITY GROUP 11

Sensitivity of Class SY to Prepayments Assumed Price 8.00\%*

| LIBOR | PSA Prepayment Assumption Rates |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 300\% | 635\% | 1000\% | 1300\% |
| 0.38\% | 78.8\% | 43.7\% | (2.3) \% | (51.5) \% |
| 1.38\% | 63.5\% | 30.1\% | (13.5) \% | (60.1) \% |
| 4.38\% | 20.4\% | (7.9) \% | (44.9) \% | (84.2) \% |
| 7.70\% | ** | ** | ** | ** |

## SECURITY GROUP 12

## Sensitivity of Class SH to Prepayments

Assumed Price 8.00\%*

| LIBOR | PSA Prepayment Assumption Rates |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 300\% | 640\% | 1000\% | 1300\% |
| 0.38\% | 78.9\% | 43.5\% | (1.6) \% | (50.5) \% |
| 1.38\% | 63.7\% | 30.0\% | (12.8) \% | (59.2) \% |
| 4.38\% | 20.8\% | (8.0) \% | (44.4)\% | (83.7) \% |
| 7.65\% | ** | ** | ** | ** |

## SECURITY GROUP 13

## Sensitivity of Class SP to Prepayments <br> Assumed Price 8.00\%*

| LIBOR | PSA Prepayment Assumption Rates |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 300\% | 616\% | 1000\% | 1300\% |
| 0.38\% | 78.8\% | 45.8\% | (2.3) \% | (51.5) \% |
| 1.38\% | 63.5\% | 32.1\% | (13.5) \% | (60.1) \% |
| 4.38\% | 20.4\% | (6.3) \% | (44.9) \% | (84.3) \% |
| 7.70\% | ** | ** | ** | ** |

[^5]
## 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, the Trust will constitute a Double REMIC Series as to the Group 1, 2, 3, 4, 5, 7, 8, 9, 10, 11, 12 and 13 Trust Assets and a Single REMIC Series as to the Group 6 Trust Assets for federal income tax purposes. Separate REMIC elections will be made for the Group 6 REMIC, the Pooling REMIC and the Issuing REMIC.

## Regular Securities

The Regular Securities will be treated as debt instruments issued by the Issuing REMIC or the Group 6 REMIC for federal income tax purposes. Income on the Regular Securities must be reported under an accrual method of accounting.

The Class AO, BO, CO, DO, GO and XO 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 JS, S, SC, SD, SG, SH, SJ, SK, SL, SP, ST, SU, SW, SY, and XS 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.

Other than the Securities described in the preceding two paragraphs, based on anticipated prices (including accrued interest), the assumed Mortgage Loan characteristics, the prepayment assumptions described below and, in the case of the Floating Rate Classes, the constant LIBOR value described below, no Classes 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 (as described in "Yield, Maturity and Prepayment Considerations" in this Supplement) is as follows:

| Security Group | PSA |
| :---: | :---: |
| 1 | $565 \%$ |
| 2 | $603 \%$ |
| 3 | $515 \%$ |
| 4 | $464 \%$ |
| 5 | $615 \%$ |
| 6 | $950 \%$ |
| 7 | $593 \%$ |
| 8 | $593 \%$ |
| 9 | $738 \%$ |
| 10 | $635 \%$ |
| 11 | $635 \%$ |
| 12 | $640 \%$ |
| 13 | $616 \%$ |

In the case of the Floating Rate Classes, the value of LIBOR to be used for these determinations is $1.80 \%$ in the case of the Group $1,2,3$ and 4 Securities, $1.38 \%$ in the case of the Group $5,7,8$, $9,10,11,12$ and 13 Securities and $1.38813 \%$ in the case of 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 R Securities will represent the beneficial ownership of the Residual Interest in the Group 6 REMIC, and 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 R and 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 related 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 R and RR Securities are not entitled to any stated principal or interest payments on the Class R or Class RR Securities, the Group 6 REMIC and 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 R or 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.

The proposed Treasury Regulations referred to in the Base Offering Circular relating to transfers of noneconomic residual interests were finalized recently. See "Certain Federal Income Tax Consequences - Tax Treatment of Residual Securities - Non-Recognition of Certain Transfers for Federal Income Tax Purposes" in the Base Offering Circular. With certain exceptions, the final regulations incorporate the safe harbor rules in the proposed regulations
(the "present value test") and in Revenue Procedure 2001-12 (the "asset test"). Among other things, the final regulations modify the present value test to require use of the federal short term rate for the month of transfer for purposes of the present value calculations. In addition, in order to qualify for either safe harbor (the present value or asset test), a transfer of a noneconomic residual interest may not be to a foreign permanent establishment or fixed base of a U.S. taxpayer (an "offshore location"), and each transferee must represent that it will not cause income from the noneconomic residual interest to be attributable to an offshore location of the transferee or another U.S. taxpayer. The final regulations generally apply to transfers of noneconomic residual interests occurring on or after February 4, 2000, although the modifications noted above generally apply to transfers occurring on or after August 19, 2002.

Prospective Holders of Residual Securities should consult their tax advisors regarding the final regulations and their application to transfers of Residual Securities.

## 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 Regular and MX 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 and participations therein 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"), or subject to section 4975 of the Code (each, a "Plan"), solely by reason of the Plan's purchase and holding of that certificate.

Governmental plans and certain church plans, while not subject to the fiduciary responsibility provisions of ERISA or the prohibited transaction provisions of ERISA and the Code, may nevertheless be subject to local, state or other federal laws that are substantially similar to the foregoing provisions of ERISA and the Code. Fiduciaries of any such plans should consult with their counsel before purchasing any of the Securities.

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, a Plan Investor.

## 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.


#### Abstract

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 from (1) November 1, 2002 on the Fixed Rate Classes, (2) November 16, 2002 on the Group 1, 3, 4, 5, 7, 8, 10, 11 and 13 Floating Rate and Inverse Floating Rate Classes, (3) November 20, 2002 on the Group 2, 9 and 12 Floating Rate and Inverse Floating Rate Classes and (4) November 21, 2002 on the Group 6 Inverse Floating Rate 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 (1) the Original Class Principal Balance (or original Class Notional Balance) and (2) Aggregate Scheduled Principal Balances or Scheduled Principal Balances of each Class receiving principal distributions or interest distributions based upon a notional balance from the same Trust Asset Group will increase by the same proportion. The Trust Agreement, the Final Data Statement, the Final Schedules 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 Sidley Austin Brown \& Wood LLP, New York, NY, for the Trust by Cleary, Gottlieb, Steen and Hamilton and Marcell Solomon \& Associates, P.C.; and for the Trustee by Ungaretti \& Harris, Chicago, Illinois.
Schedule I


\left.| REMIC Securities |  |
| :---: | :---: |
| Criginal Class |  |
| Principal Balance |  |
| or Class |  |
| Notional Balance |  |$\right]$



## SCHEDULED PRINCIPAL BALANCES

| Distribution Date | Class EA | Class GH |
| :---: | :---: | :---: |
| Initial Balance | \$24,118,000.00 | \$237,074,000.00 |
| December 2002 | 23,866,565.37 | 234,587,690.90 |
| January 2003 | 23,617,130.91 | 232,121,495.50 |
| February 2003 | 23,369,680.93 | 229,675,255.00 |
| March 2003 | 23,124,199.86 | 227,248,812.00 |
| April 2003 | 22,880,672.25 | 224,842,010.10 |
| May 2003 | 22,639,082.78 | 222,454,694.10 |
| June 2003 | 22,399,416.25 | 220,086,710.40 |
| July 2003 | 22,161,657.57 | 217,737,906.20 |
| August 2003 | 21,925,791.77 | 215,408,130.00 |
| September 2003 | 21,691,804.00 | 213,097,231.60 |
| October 2003 | 21,459,679.52 | 210,805,061.90 |
| November 2003 | 21,229,403.72 | 208,531,472.90 |
| December 2003 | 21,000,962.09 | 206,276,318.10 |
| January 2004 | 20,774,340.24 | 204,039,451.60 |
| February 2004 | 20,549,523.90 | 201,820,729.10 |
| March 2004 | 20,326,498.89 | 199,620,007.20 |
| April 2004 | 20,105,251.16 | 197,437,143.70 |
| May 2004 | 19,885,766.77 | 195,271,997.60 |
| June 2004 | 19,668,031.88 | 193,124,428.80 |
| July 2004 | 19,452,032.76 | 190,994,298.40 |
| August 2004 | 19,237,755.79 | 188,881,468.80 |
| September 2004 | 19,025,187.46 | 186,785,803.10 |
| October 2004 | 18,814,314.36 | 184,707,165.70 |
| November 2004 | 18,605,123.19 | 182,645,422.10 |
| December 2004 | 18,397,600.75 | 180,600,438.60 |
| January 2005 | 18,191,733.94 | 178,572,083.00 |
| February 2005 | 17,987,509.77 | 176,560,223.60 |
| March 2005 | 17,784,915.35 | 174,564,730.20 |
| April 2005 | 17,583,937.89 | 172,585,473.30 |
| May 2005 | 17,384,564.70 | 170,622,324.60 |
| June 2005 | 17,186,783.18 | 168,675,156.70 |
| July 2005 | 16,990,580.85 | 166,743,843.30 |
| August 2005 | 16,795,945.31 | 164,828,259.00 |
| September 2005 | 16,602,864.27 | 162,928,279.50 |
| October 2005 | 16,411,325.52 | 161,043,781.30 |
| November 2005 | 16,221,316.96 | 159,174,641.90 |
| December 2005 | 16,032,826.58 | 157,320,740.00 |
| January 2006 | 15,845,842.46 | 155,481,955.00 |
| February 2006 | 15,660,352.78 | 153,658,167.30 |
| March 2006 | 15,476,345.81 | 151,849,258.30 |
| April 2006 | 15,293,809.91 | 150,055,110.30 |
| May 2006 | 15,112,733.54 | 148,275,606.50 |
| June 2006 | 14,933,105.23 | 146,510,631.10 |
| July 2006 | 14,754,913.62 | 144,760,069.00 |
| August 2006 | 14,578,147.43 | 143,023,806.30 |


| $\begin{aligned} & \text { Classes AO, BO and CO } \\ & \text { (in the aggregate) } \end{aligned}$ | Class DO |
| :---: | :---: |
| \$163,743,590.00 | \$56,665,539.00 |
| 159,486,492.72 | 54,197,203.14 |
| 154,713,332.54 | 51,345,231.68 |
| 149,613,241.73 | 48,617,160.28 |
| 144,359,693.11 | 45,854,121.04 |
| 138,959,872.31 | 43,064,482.94 |
| 133,421,274.19 | 40,256,989.82 |
| 127,751,739.33 | 37,440,747.70 |
| 121,959,430.72 | 34,625,166.62 |
| 116,053,070.98 | 31,820,057.13 |
| 110,042,053.24 | 29,808,348.04 |
| 104,351,048.13 | 28,307,428.44 |
| 98,652,322.99 | 27,290,013.90 |
| 92,965,903.82 | 26,734,332.70 |
| 87,447,936.45 | 26,456,040.55 |
| 81,974,300.40 | 26,202,613.28 |
| 77,053,559.54 | 25,468,811.14 |
| 72,170,917.44 | 24,784,900.33 |
| 67,336,949.10 | 24,353,534.27 |
| 62,569,945.20 | 23,998,011.88 |
| 58,226,744.47 | 23,594,983.52 |
| 53,979,812.27 | 23,262,876.61 |
| 49,846,065.38 | 23,159,988.40 |
| 45,822,508.99 | 23,105,028.87 |
| 42,159,150.91 | 22,842,111.86 |
| 38,783,078.59 | 22,438,489.41 |
| 35,893,681.76 | 21,689,321.09 |
| 33,219,296.78 | 20,861,021.88 |
| 30,743,940.66 | 19,971,978.92 |
| 28,452,817.37 | 19,080,137.00 |
| 26,332,229.78 | 18,189,428.85 |
| 24,369,498.10 | 17,303,294.45 |
| 22,552,884.41 | 16,835,572.23 |
| 20,871,522.74 | 16,386,070.64 |
| 19,315,354.35 | 15,926,367.86 |
| 17,875,067.83 | 15,459,582.96 |
| 16,542,043.62 | 14,988,475.99 |
| 15,308,302.64 | 14,515,481.51 |
| 14,166,458.78 | 14,042,739.20 |
| 13,109,674.82 | 13,572,121.91 |
| 12,131,621.73 | 13,105,261.25 |
| 11,226,440.89 | 12,643,571.03 |
| 10,388,709.19 | 12,188,268.59 |
| 9,613,406.66 | 11,740,394.34 |
| 8,895,886.57 | 11,300,829.51 |
| 8,231,847.66 | 10,870,312.45 |

S-II-1

| Distribution Date | Class EA | Class GH |
| :---: | :---: | :---: |
| September 2006 | \$14,402,795.47 | \$141,301,729.80 |
| October 2006 | 14,228,846.64 | 139,593,727.20 |
| November 2006 | 14,056,289.92 | 137,899,687.10 |
| December 2006 | 13,885,114.38 | 136,219,499.00 |
| January 2007 | 13,715,309.18 | 134,553,053.40 |
| February 2007 | 13,546,863.56 | 132,900,241.30 |
| March 2007 | 13,379,766.85 | 131,260,954.80 |
| April 2007 | 13,214,008.46 | 129,635,087.00 |
| May 2007 | 13,049,577.88 | 128,022,531.50 |
| June 2007 | 12,886,464.68 | 126,423,182.90 |
| July 2007 | 12,724,658.52 | 124,836,936.70 |
| August 2007 | 12,564,149.13 | 123,263,689.10 |
| September 2007 | 12,404,926.34 | 121,703,337.10 |
| October 2007 | 12,246,980.04 | 120,155,778.60 |
| November 2007 | 12,090,300.20 | 118,620,912.40 |
| December 2007 | 11,934,876.89 | 117,098,637.70 |
| January 2008 | 11,780,700.23 | 115,588,855.00 |
| February 2008 | 11,627,760.44 | 114,091,465.20 |
| March 2008 | 11,476,047.80 | 112,606,370.10 |
| April 2008 | 11,325,552.67 | 111,133,472.40 |
| May 2008 | 11,176,265.49 | 109,672,675.30 |
| June 2008 | 11,028,176.78 | 108,223,883.00 |
| July 2008 | 10,881,277.12 | 106,787,000.40 |
| August 2008 | 10,735,557.18 | 105,361,933.00 |
| September 2008 | 10,591,007.68 | 103,948,587.20 |
| October 2008 | 10,447,619.44 | 102,546,870.10 |
| November 2008 | 10,305,383.33 | 101,156,689.50 |
| December 2008 | 10,164,290.31 | 99,777,953.91 |
| January 2009 | 10,024,331.39 | 98,410,572.62 |
| February 2009 | 9,885,497.67 | 97,054,455.59 |
| March 2009 | 9,747,780.31 | 95,709,513.49 |
| April 2009 | 9,611,170.54 | 94,375,657.71 |
| May 2009 | 9,475,659.65 | 93,052,800.32 |
| June 2009 | 9,341,239.02 | 91,740,854.08 |
| July 2009 | 9,207,900.08 | 90,439,732.44 |
| August 2009 | 9,075,634.33 | 89,149,349.53 |
| September 2009 | 8,944,433.34 | 87,869,620.15 |
| October 2009 | 8,814,288.75 | 86,600,459.78 |
| November 2009. | 8,685,192.25 | 85,341,784.56 |
| December 2009 | 8,557,135.61 | 84,093,511.28 |
| January 2010 | 8,430,110.66 | 82,855,557.39 |
| February 2010 | 8,304,109.29 | 81,627,840.99 |
| March 2010 | 8,179,383.42 | 80,410,280.83 |
| April 2010 | 8,056,063.93 | 79,206,233.41 |
| May 2010 | 7,934,135.60 | 78,015,945.40 |
| June 2010 | 7,813,583.37 | 76,839,266.17 |
| July 2010 | 7,694,392.34 | 75,676,046.71 |
| August 2010 . | 7,576,547.76 | 74,526,139.62 |
| September 2010 | 7,460,035.05 | 73,389,399.07 |
| October 2010. | 7,344,839.78 | 72,265,680.81 |
| November 2010. | 7,230,947.67 | 71,154,842.14 |


| Classes AO, BO and CO (in the aggregate) |  | Class DO |
| :---: | :---: | :---: |
| \$ | 7,617,308.51 | \$10,449,453.34 |
|  | 7,048,583.77 | 10,038,747.70 |
|  | 6,522,262.18 | 9,638,588.60 |
|  | 6,035,186.17 | 9,249,277.86 |
|  | 5,584,433.06 | 8,871,036.11 |
|  | 5,167,297.56 | 8,504,012.04 |
|  | 4,781,275.65 | 8,148,290.70 |
|  | 4,424,049.60 | 7,803,901.08 |
|  | 4,093,474.14 | 7,470,822.96 |
|  | 3,787,563.62 | 7,148,993.10 |
|  | 3,504,480.18 | 6,838,310.82 |
|  | 3,242,522.73 | 6,538,643.08 |
|  | 3,000,116.79 | 6,249,829.04 |
|  | 2,775,805.09 | 5,971,684.12 |
|  | 2,568,238.85 | 5,704,003.73 |
|  | 2,376,169.69 | 5,446,566.58 |
|  | 2,198,442.20 | 5,199,137.60 |
|  | 2,033,986.99 | 4,961,470.65 |
|  | 1,881,814.32 | 4,733,310.85 |
|  | 1,741,008.16 | 4,514,396.71 |
|  | 1,610,720.71 | 4,304,461.99 |
|  | 1,490,167.33 | 4,103,237.37 |
|  | 1,378,621.82 | 3,910,451.91 |
|  | 1,275,412.10 | 3,725,834.35 |
|  | 1,179,916.16 | 3,549,114.23 |
|  | 1,091,558.34 | 3,380,022.88 |
|  | 1,009,805.89 | 3,218,294.29 |
|  | 934,165.77 | 3,063,665.83 |
|  | 864,181.68 | 2,915,878.92 |
|  | 799,431.34 | 2,774,679.53 |
|  | 739,523.96 | 2,639,818.66 |
|  | 684,097.89 | 2,511,052.69 |
|  | 632,818.44 | 2,388,143.74 |
|  | 585,375.88 | 2,270,859.88 |
|  | 541,483.59 | 2,158,975.33 |
|  | 500,876.32 | 2,052,270.60 |
|  | 463,308.62 | 1,950,532.60 |
|  | 428,553.35 | 1,853,554.70 |
|  | 396,400.31 | 1,761,136.76 |
|  | 366,654.99 | 1,673,085.13 |
|  | 339,137.41 | 1,589,212.62 |
|  | 313,681.00 | 1,509,338.46 |
|  | 290,131.65 | 1,433,288.21 |
|  | 268,346.74 | 1,360,893.70 |
|  | 248,194.30 | 1,291,992.92 |
|  | 229,552.21 | 1,226,429.90 |
|  | 212,307.49 | 1,164,054.58 |
|  | 196,355.58 | 1,104,722.72 |
|  | 181,599.74 | 1,048,295.70 |
|  | 167,950.45 | 994,640.44 |
|  | 155,324.89 | 943,629.19 |

S-II-2

| Distribution Date | Class EA | Class GH |  | $\mathrm{AO}, \mathrm{BO}$ and CO <br> e aggregate) |  | Class DO |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| December 2010 | \$ 7,118,344.60 | \$ 70,056,741.90 | \$ | 143,646.42 | \$ | 895,139.42 |
| January 2011 | 7,007,016.60 | 68,971,240.43 |  | 132,844.12 |  | 849,053.67 |
| February 2011 | 6,896,949.85 | 67,898,199.59 |  | 122,852.39 |  | 805,259.36 |
| March 2011 | 6,788,130.66 | 66,837,482.72 |  | 113,610.53 |  | 763,648.66 |
| April 2011 | 6,680,545.51 | 65,788,954.63 |  | 105,062.36 |  | 724,118.34 |
| May 2011 | 6,574,181.02 | 64,752,481.59 |  | 97,155.92 |  | 686,569.59 |
| June 2011 | 6,469,023.94 | 63,727,931.30 |  | 0.00 |  | 686,569.59 |
| July 2011 | 6,365,061.18 | 62,715,172.89 |  | 0.00 |  | 686,569.59 |
| August 2011 | 6,262,279.77 | 61,714,076.89 |  | 0.00 |  | 661,711.95 |
| September 2011 | 6,160,666.89 | 60,724,515.24 |  | 0.00 |  | 625,399.16 |
| October 2011 | 6,060,209.86 | 59,746,361.24 |  | 0.00 |  | 591,069.87 |
| November 2011 | 5,960,896.13 | 58,779,489.57 |  | 0.00 |  | 558,616.16 |
| December 2011 | 5,862,713.28 | 57,823,776.25 |  | 0.00 |  | 527,935.96 |
| January 2012 | 5,765,649.03 | 56,879,098.64 |  | 0.00 |  | 498,932.74 |
| February 2012 | 5,669,691.23 | 55,945,335.42 |  | 0.00 |  | 471,515.20 |
| March 2012 | 5,574,827.85 | 55,022,366.57 |  | 0.00 |  | 445,596.99 |
| April 2012 | 5,481,047.01 | 54,110,073.37 |  | 0.00 |  | 421,096.46 |
| May 2012 | 5,388,336.94 | 53,208,338.38 |  | 0.00 |  | 397,936.39 |
| June 2012 | 5,296,686.00 | 52,317,045.42 |  | 0.00 |  | 376,043.74 |
| July 2012 | 5,206,082.67 | 51,436,079.56 |  | 0.00 |  | 355,349.44 |
| August 2012 | 5,116,515.57 | 50,565,327.12 |  | 0.00 |  | 335,788.18 |
| September 2012 | 5,027,973.42 | 49,704,675.63 |  | 0.00 |  | 317,298.18 |
| October 2012 | 4,940,445.07 | 48,854,013.84 |  | 0.00 |  | 299,821.03 |
| November 2012 | 4,853,919.49 | 48,013,231.71 |  | 0.00 |  | 283,301.49 |
| December 2012 | 4,768,385.77 | 47,182,220.36 |  | 0.00 |  | 267,687.32 |
| January 2013 | 4,683,833.12 | 46,360,872.11 |  | 0.00 |  | 252,929.12 |
| February 2013 | 4,600,250.85 | 45,549,080.43 |  | 0.00 |  | 238,980.17 |
| March 2013 | 4,517,628.40 | 44,746,739.94 |  | 0.00 |  | 225,796.30 |
| April 2013 | 4,435,955.31 | 43,953,746.39 |  | 0.00 |  | 213,335.74 |
| May 2013 | 4,355,221.24 | 43,169,996.66 |  | 0.00 |  | 201,558.99 |
| June 2013 | 4,275,415.97 | 42,395,388.74 |  | 0.00 |  | 190,428.69 |
| July 2013 | 4,196,529.37 | 41,629,821.73 |  | 0.00 |  | 179,909.53 |
| August 2013 | 4,118,551.43 | 40,873,195.81 |  | 0.00 |  | 169,968.10 |
| September 2013 | 4,041,472.24 | 40,125,412.24 |  | 0.00 |  | 160,572.83 |
| October 2013. | 3,965,282.00 | 39,386,373.34 |  | 0.00 |  | 151,693.86 |
| November 2013. | 3,889,971.02 | 38,655,982.49 |  | 0.00 |  | 143,302.96 |
| December 2013 | 3,815,529.71 | 37,934,144.11 |  | 0.00 |  | 135,373.42 |
| January 2014 | 3,741,948.58 | 37,220,763.65 |  | 0.00 |  | 127,880.01 |
| February 2014 | 3,669,218.24 | 36,515,747.59 |  | 0.00 |  | 120,798.86 |
| March 2014 | 3,597,329.41 | 35,819,003.41 |  | 0.00 |  | 114,107.40 |
| April 2014 | 3,526,272.90 | 35,130,439.60 |  | 0.00 |  | 107,784.30 |
| May 2014 | 3,456,039.62 | 34,449,965.63 |  | 0.00 |  | 101,809.38 |
| June 2014 | 3,386,620.58 | 33,777,491.94 |  | 0.00 |  | 0.00 |
| July 2014 | 3,318,006.88 | 33,112,929.95 |  | 0.00 |  | 0.00 |
| August 2014 | 3,250,189.73 | 32,456,192.04 |  | 0.00 |  | 0.00 |
| September 2014 | 3,183,160.42 | 31,807,191.52 |  | 0.00 |  | 0.00 |
| October 2014 | 3,116,910.34 | 31,165,842.65 |  | 0.00 |  | 0.00 |
| November 2014 | 3,051,430.97 | 30,532,060.62 |  | 0.00 |  | 0.00 |
| December 2014 | 2,986,713.88 | 29,905,761.52 |  | 0.00 |  | 0.00 |
| January 2015 | 2,922,750.73 | 29,286,862.37 |  | 0.00 |  | 0.00 |
| February 2015 | 2,859,533.28 | 28,675,281.07 |  | 0.00 |  | 0.00 |

S-II-3

| Distribution Date | Class EA | Class GH | Class (in | and CO egate) |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| March 2015 | \$ 2,797,053.36 | \$ 28,070,936.41 | \$ | 0.00 | \$ | 0.00 |
| April 2015 | 2,735,302.90 | 27,473,748.06 |  | 0.00 |  | 0.00 |
| May 2015 | 2,674,273.91 | 26,883,636.56 |  | 0.00 |  | 0.00 |
| June 2015 | 2,613,958.50 | 26,300,523.31 |  | 0.00 |  | 0.00 |
| July 2015 | 2,554,348.85 | 25,724,330.55 |  | 0.00 |  | 0.00 |
| August 2015 | 2,495,437.22 | 25,154,981.38 |  | 0.00 |  | 0.00 |
| September 2015 | 2,437,215.97 | 24,592,399.72 |  | 0.00 |  | 0.00 |
| October 2015 | 2,379,677.52 | 24,036,510.32 |  | 0.00 |  | 0.00 |
| November 2015. | 2,322,814.40 | 23,487,238.73 |  | 0.00 |  | 0.00 |
| December 2015 | 2,266,619.19 | 22,944,511.33 |  | 0.00 |  | 0.00 |
| January 2016 | 2,211,084.57 | 22,408,255.27 |  | 0.00 |  | 0.00 |
| February 2016 | 2,156,203.29 | 21,878,398.51 |  | 0.00 |  | 0.00 |
| March 2016 | 2,101,968.18 | 21,354,869.78 |  | 0.00 |  | 0.00 |
| April 2016 | 2,048,372.15 | 20,837,598.59 |  | 0.00 |  | 0.00 |
| May 2016 | 1,995,408.18 | 20,326,515.20 |  | 0.00 |  | 0.00 |
| June 2016 | 1,943,069.33 | 19,821,550.63 |  | 0.00 |  | 0.00 |
| July 2016 | 1,891,348.73 | 19,322,636.66 |  | 0.00 |  | 0.00 |
| August 2016 | 1,840,239.59 | 18,829,705.79 |  | 0.00 |  | 0.00 |
| September 2016 | 1,789,735.19 | 18,342,691.27 |  | 0.00 |  | 0.00 |
| October 2016 | 1,739,828.88 | 17,861,527.06 |  | 0.00 |  | 0.00 |
| November 2016. | 1,690,514.08 | 17,386,147.84 |  | 0.00 |  | 0.00 |
| December 2016 | 1,641,784.28 | 16,916,489.00 |  | 0.00 |  | 0.00 |
| January 2017 | 1,593,633.05 | 16,452,486.63 |  | 0.00 |  | 0.00 |
| February 2017 | 1,546,054.02 | 15,994,077.52 |  | 0.00 |  | 0.00 |
| March 2017 | 1,499,040.89 | 15,541,199.13 |  | 0.00 |  | 0.00 |
| April 2017 | 1,452,587.43 | 15,093,789.61 |  | 0.00 |  | 0.00 |
| May 2017 | 1,406,687.47 | 14,651,787.77 |  | 0.00 |  | 0.00 |
| June 2017 | 1,361,334.92 | 14,215,133.10 |  | 0.00 |  | 0.00 |
| July 2017 | 1,316,523.74 | 13,783,765.73 |  | 0.00 |  | 0.00 |
| August 2017 | 1,272,247.96 | 13,357,626.46 |  | 0.00 |  | 0.00 |
| September 2017 | 1,228,501.68 | 12,936,656.71 |  | 0.00 |  | 0.00 |
| October 2017. | 1,185,279.06 | 12,520,798.55 |  | 0.00 |  | 0.00 |
| November 2017. | 1,142,574.33 | 12,109,994.68 |  | 0.00 |  | 0.00 |
| December 2017 | 1,100,381.76 | 11,704,188.42 |  | 0.00 |  | 0.00 |
| January 2018 | 1,058,695.70 | 11,303,323.70 |  | 0.00 |  | 0.00 |
| February 2018 | 1,017,510.56 | 10,907,345.06 |  | 0.00 |  | 0.00 |
| March 2018 | 976,820.80 | 10,516,197.65 |  | 0.00 |  | 0.00 |
| April 2018 | 936,620.96 | 10,129,827.21 |  | 0.00 |  | 0.00 |
| May 2018 | 896,905.61 | 9,748,180.07 |  | 0.00 |  | 0.00 |
| June 2018 | 857,669.40 | 9,371,203.15 |  | 0.00 |  | 0.00 |
| July 2018 | 818,907.03 | 8,998,843.94 |  | 0.00 |  | 0.00 |
| August 2018 | 780,613.26 | 8,631,050.50 |  | 0.00 |  | 0.00 |
| September 2018 | 742,782.90 | 8,267,771.46 |  | 0.00 |  | 0.00 |
| October 2018. | 705,410.82 | 7,908,956.00 |  | 0.00 |  | 0.00 |
| November 2018. | 668,491.94 | 7,554,553.87 |  | 0.00 |  | 0.00 |
| December 2018 | 632,021.25 | 7,204,515.35 |  | 0.00 |  | 0.00 |
| January 2019 | 595,993.78 | 6,858,791.27 |  | 0.00 |  | 0.00 |
| February 2019 | 560,404.62 | 6,517,332.99 |  | 0.00 |  | 0.00 |
| March 2019 | 525,248.90 | 6,180,092.41 |  | 0.00 |  | 0.00 |
| April 2019 | 490,521.82 | 5,847,021.94 |  | 0.00 |  | 0.00 |
| May 2019 | 456,218.63 | 5,518,074.51 |  | 0.00 |  | 0.00 |


| Distribution Date | Class EA |  | Class GH |  | Classes AO, BO and CO (in the aggregate) |  | Class DO |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| June 2019 | \$ | 422,334.62 | \$ | 5,193,203.57 | \$ | 0.00 | \$ | 0.00 |
| July 2019 |  | 388,865.13 |  | 4,872,363.07 |  | 0.00 |  | 0.00 |
| August 2019 |  | 355,805.56 |  | 4,555,507.47 |  | 0.00 |  | 0.00 |
| September 2019 |  | 323,151.36 |  | 4,242,591.72 |  | 0.00 |  | 0.00 |
| October 2019 |  | 290,898.02 |  | 3,933,571.27 |  | 0.00 |  | 0.00 |
| November 2019. |  | 259,041.09 |  | 3,628,402.04 |  | 0.00 |  | 0.00 |
| December 2019 |  | 227,576.15 |  | 3,327,040.44 |  | 0.00 |  | 0.00 |
| January 2020 |  | 196,498.85 |  | 3,029,443.35 |  | 0.00 |  | 0.00 |
| February 2020 |  | 165,804.87 |  | 2,735,568.13 |  | 0.00 |  | 0.00 |
| March 2020 |  | 135,489.94 |  | 2,445,372.60 |  | 0.00 |  | 0.00 |
| April 2020 |  | 105,549.85 |  | 2,158,815.04 |  | 0.00 |  | 0.00 |
| May 2020 |  | 75,980.41 |  | 1,875,854.18 |  | 0.00 |  | 0.00 |
| June 2020 |  | 46,777.50 |  | 1,596,449.21 |  | 0.00 |  | 0.00 |
| July 2020 |  | 17,937.03 |  | 1,320,559.76 |  | 0.00 |  | 0.00 |
| August 2020 . |  | 0.00 |  | 1,048,145.90 |  | 0.00 |  | 0.00 |
| September 2020 |  | 0.00 |  | 779,168.14 |  | 0.00 |  | 0.00 |
| October 2020. . |  | 0.00 |  | 513,587.42 |  | 0.00 |  | 0.00 |
| November 2020. |  | 0.00 |  | 251,365.10 |  | 0.00 |  | 0.00 |
| December 2020 and thereafter |  | 0.00 |  | 0.00 |  | 0.00 |  | 0.00 |


| Distribution Date | Class TA | Class TC | Class UA | Class WA |
| :---: | :---: | :---: | :---: | :---: |
| Initial Balance | \$24,347,000.00 | \$8,897,000.00 | \$33,030,000.00 | \$20,949,000.00 |
| December 2002 | 24,096,920.76 | 8,803,102.31 | 32,682,922.12 | 20,729,717.43 |
| January 2003 | 23,848,853.69 | 8,709,959.60 | 32,338,665.15 | 20,512,191.77 |
| February 2003 | 23,602,782.95 | 8,617,565.94 | 31,997,206.83 | 20,296,409.20 |
| March 2003 | 23,358,692.81 | 8,525,915.43 | 31,658,525.08 | 20,082,356.03 |
| April 2003 | 23,116,567.69 | 8,435,002.24 | 31,322,598.01 | 19,870,018.65 |
| May 2003 | 22,876,392.11 | 8,344,820.57 | 30,989,403.87 | 19,659,383.58 |
| June 2003 | 22,638,150.73 | 8,255,364.67 | 30,658,921.11 | 19,450,437.44 |
| July 2003 | 22,401,828.31 | 8,166,628.83 | 30,331,128.33 | 19,243,166.95 |
| August 2003 | 22,167,409.75 | 8,078,607.39 | 30,006,004.30 | 19,037,558.93 |
| September 2003 | 21,934,880.05 | 7,991,294.73 | 29,683,527.97 | 18,833,600.31 |
| October 2003 | 21,704,224.34 | 7,904,685.29 | 29,363,678.44 | 18,631,278.13 |
| November 2003 | 21,475,427.86 | 7,818,773.53 | 29,046,434.99 | 18,430,579.52 |
| December 2003 | 21,248,475.97 | 7,733,553.97 | 28,731,777.04 | 18,231,491.71 |
| January 2004 | 21,023,354.14 | 7,649,021.16 | 28,419,684.19 | 18,034,002.03 |
| February 2004 | 20,800,047.96 | 7,565,169.71 | 28,110,136.19 | 17,838,097.92 |
| March 2004 | 20,578,543.12 | 7,481,994.26 | 27,803,112.96 | 17,643,766.91 |
| April 2004 | 20,358,825.44 | 7,399,489.49 | 27,498,594.56 | 17,450,996.63 |
| May 2004 | 20,140,880.85 | 7,317,650.12 | 27,196,561.22 | 17,259,774.81 |
| June 2004 | 19,924,695.37 | 7,236,470.93 | 26,896,993.32 | 17,070,089.27 |
| July 2004 | 19,710,255.15 | 7,155,946.72 | 26,599,871.40 | 16,881,927.92 |
| August 2004 | 19,497,546.44 | 7,076,072.34 | 26,305,176.14 | 16,695,278.78 |
| September 2004 | 19,286,555.60 | 6,996,842.69 | 26,012,888.39 | 16,510,129.96 |
| October 2004 | 19,077,269.09 | 6,918,252.69 | 25,722,989.13 | 16,326,469.65 |
| November 2004 | 18,869,673.49 | 6,840,297.30 | 25,435,459.50 | 16,144,286.15 |
| December 2004 | 18,663,755.47 | 6,762,971.54 | 25,150,280.79 | 15,963,567.84 |
| January 2005 | 18,459,501.82 | 6,686,270.46 | 24,867,434.43 | 15,784,303.20 |
| February 2005 | 18,256,899.42 | 6,610,189.14 | 24,586,902.00 | 15,606,480.79 |
| March 2005 | 18,055,935.26 | 6,534,722.71 | 24,308,665.23 | 15,430,089.26 |
| April 2005 | 17,856,596.43 | 6,459,866.32 | 24,032,705.98 | 15,255,117.36 |
| May 2005 | 17,658,870.12 | 6,385,615.18 | 23,759,006.26 | 15,081,553.92 |
| June 2005 | 17,462,743.63 | 6,311,964.53 | 23,487,548.22 | 14,909,387.86 |
| July 2005 | 17,268,204.34 | 6,238,909.65 | 23,218,314.15 | 14,738,608.19 |
| August 2005 | 17,075,239.75 | 6,166,445.85 | 22,951,286.47 | 14,569,204.00 |
| September 2005 | 16,883,837.44 | 6,094,568.47 | 22,686,447.76 | 14,401,164.46 |
| October 2005 | 16,693,985.10 | 6,023,272.90 | 22,423,780.72 | 14,234,478.84 |
| November 2005 | 16,505,670.51 | 5,952,554.57 | 22,163,268.19 | 14,069,136.49 |
| December 2005 | 16,318,881.55 | 5,882,408.93 | 21,904,893.14 | 13,905,126.83 |
| January 2006 | 16,133,606.19 | 5,812,831.48 | 21,648,638.68 | 13,742,439.38 |
| February 2006 | 15,949,832.50 | 5,743,817.74 | 21,394,488.05 | 13,581,063.74 |
| March 2006 | 15,767,548.65 | 5,675,363.28 | 21,142,424.61 | 13,420,989.58 |
| April 2006 | 15,586,742.88 | 5,607,463.70 | 20,892,431.88 | 13,262,206.65 |
| May 2006 | 15,407,403.54 | 5,540,114.63 | 20,644,493.48 | 13,104,704.80 |
| June 2006 | 15,229,519.07 | 5,473,311.74 | 20,398,593.17 | 12,948,473.94 |
| July 2006 | 15,053,077.99 | 5,407,050.73 | 20,154,714.84 | 12,793,504.07 |
| August 2006 | 14,878,068.93 | 5,341,327.33 | 19,912,842.50 | 12,639,785.27 |
| September 2006 | 14,704,480.59 | 5,276,137.32 | 19,672,960.29 | 12,487,307.68 |
| October 2006 | 14,532,301.76 | 5,211,476.49 | 19,435,052.48 | 12,336,061.54 |
| November 2006 | 14,361,521.33 | 5,147,340.68 | 19,199,103.45 | 12,186,037.15 |
| December 2006 | 14,192,128.27 | 5,083,725.76 | 18,965,097.71 | 12,037,224.90 |
| January 2007 | 14,024,111.64 | 5,020,627.62 | 18,733,019.89 | 11,889,615.24 |


| Distribution Date | Class TA | Class TC | Class UA | Class WA |
| :---: | :---: | :---: | :---: | :---: |
| February 2007 | \$13,857,460.58 | \$4,958,042.20 | \$18,502,854.74 | \$11,743,198.71 |
| March 2007 | 13,692,164.31 | 4,895,965.46 | 18,274,587.13 | 11,597,965.91 |
| April 2007 | 13,528,212.15 | 4,834,393.39 | 18,048,202.05 | 11,453,907.52 |
| May 2007 | 13,365,593.50 | 4,773,322.03 | 17,823,684.61 | 11,311,014.30 |
| June 2007 | 13,204,297.83 | 4,712,747.43 | 17,601,020.04 | 11,169,277.07 |
| July 2007 | 13,044,314.71 | 4,652,665.67 | 17,380,193.67 | 11,028,686.73 |
| August 2007 | 12,885,633.78 | 4,593,072.88 | 17,161,190.96 | 10,889,234.25 |
| September 2007 | 12,728,244.77 | 4,533,965.21 | 16,943,997.48 | 10,750,910.67 |
| October 2007 | 12,572,137.48 | 4,475,338.84 | 16,728,598.91 | 10,613,707.10 |
| November 2007 | 12,417,301.80 | 4,417,189.97 | 16,514,981.04 | 10,477,614.71 |
| December 2007 | 12,263,727.69 | 4,359,514.85 | 16,303,129.78 | 10,342,624.76 |
| January 2008 | 12,111,405.19 | 4,302,309.74 | 16,093,031.15 | 10,208,728.56 |
| February 2008 | 11,960,324.43 | 4,245,570.94 | 15,884,671.27 | 10,075,917.50 |
| March 2008 | 11,810,475.60 | 4,189,294.78 | 15,678,036.38 | 9,944,183.03 |
| April 2008 | 11,661,848.98 | 4,133,477.62 | 15,473,112.82 | 9,813,516.68 |
| May 2008 | 11,514,434.93 | 4,078,115.84 | 15,269,887.05 | 9,683,910.02 |
| June 2008 | 11,368,223.87 | 4,023,205.85 | 15,068,345.62 | 9,555,354.71 |
| July 2008 | 11,223,206.30 | 3,968,744.09 | 14,868,475.19 | 9,427,842.47 |
| August 2008 | 11,079,372.80 | 3,914,727.04 | 14,670,262.53 | 9,301,365.08 |
| September 2008 | 10,936,714.03 | 3,861,151.19 | 14,473,694.51 | 9,175,914.39 |
| October 2008 | 10,795,220.70 | 3,808,013.06 | 14,278,758.10 | 9,051,482.31 |
| November 2008 | 10,654,883.62 | 3,755,309.20 | 14,085,440.38 | 8,928,060.81 |
| December 2008 | 10,515,693.65 | 3,703,036.19 | 13,893,728.53 | 8,805,641.93 |
| January 2009 | 10,377,641.73 | 3,651,190.64 | 13,703,609.82 | 8,684,217.77 |
| February 2009 | 10,240,718.88 | 3,599,769.18 | 13,515,071.63 | 8,563,780.49 |
| March 2009 | 10,104,916.18 | 3,548,768.46 | 13,328,101.44 | 8,444,322.32 |
| April 2009 | 9,970,224.78 | 3,498,185.17 | 13,142,686.83 | 8,325,835.54 |
| May 2009 | 9,836,635.90 | 3,448,016.02 | 12,958,815.47 | 8,208,312.49 |
| June 2009 | 9,704,140.84 | 3,398,257.75 | 12,776,475.12 | 8,091,745.58 |
| July 2009 | 9,572,730.95 | 3,348,945.22 | 12,596,224.88 | 7,976,127.27 |
| August 2009 | 9,442,397.66 | 3,300,202.88 | 12,418,082.59 | 7,861,450.08 |
| September 2009 | 9,313,132.46 | 3,252,024.50 | 12,242,025.03 | 7,747,706.60 |
| October 2009 | 9,184,926.92 | 3,204,403.91 | 12,068,029.25 | 7,634,889.46 |
| November 2009 | 9,057,772.66 | 3,157,335.01 | 11,896,072.53 | 7,522,991.37 |
| December 2009 | 8,931,661.37 | 3,110,811.77 | 11,726,132.41 | 7,412,005.07 |
| January 2010 | 8,806,584.81 | 3,064,828.22 | 11,558,186.65 | 7,301,923.38 |
| February 2010 | 8,682,685.09 | 3,019,378.46 | 11,392,213.27 | 7,192,774.11 |
| March 2010 | 8,560,198.88 | 2,974,456.64 | 11,228,190.52 | 7,084,864.54 |
| April 2010 | 8,439,110.75 | 2,930,056.98 | 11,066,096.89 | 6,978,181.19 |
| May 2010 | 8,319,405.45 | 2,886,173.77 | 10,905,911.09 | 6,872,710.71 |
| June 2010. | 8,201,067.88 | 2,842,801.35 | 10,747,612.06 | 6,768,439.90 |
| July 2010 | 8,084,083.11 | 2,799,934.12 | 10,591,178.98 | 6,665,355.71 |
| August 2010 | 7,968,436.37 | 2,757,566.55 | 10,436,591.24 | 6,563,445.22 |
| September 2010 | 7,854,113.05 | 2,715,693.16 | 10,283,828.46 | 6,462,695.66 |
| October 2010 | 7,741,098.70 | 2,674,308.53 | 10,132,870.48 | 6,363,094.38 |
| November 2010 | 7,629,379.01 | 2,633,407.31 | 9,983,697.35 | 6,264,628.87 |
| December 2010 | 7,518,939.83 | 2,592,984.19 | 9,836,289.34 | 6,167,286.77 |
| January 2011 | 7,409,767.17 | 2,553,033.93 | 9,690,626.93 | 6,071,055.83 |
| February 2011 | 7,301,847.19 | 2,513,551.34 | 9,546,690.82 | 5,975,923.94 |
| March 2011 | 7,195,166.19 | 2,474,531.28 | 9,404,461.91 | 5,881,879.13 |
| April 2011 | 7,089,710.62 | 2,435,968.68 | 9,263,921.30 | 5,788,909.54 |


| Distribution Date | Class TA | Class TC | Class UA | Class WA |
| :---: | :---: | :---: | :---: | :---: |
| May 2011 | \$ 6,985,467.07 | \$2,397,858.52 | \$ 9,125,050.31 | \$ 5,697,003.45 |
| June 2011 | 6,882,422.28 | 2,360,195.82 | 8,987,830.45 | 5,606,149.27 |
| July 2011 | 6,780,563.14 | 2,322,975.67 | 8,852,243.43 | 5,516,335.51 |
| August 2011 | 6,679,876.67 | 2,286,193.21 | 8,718,271.15 | 5,427,550.83 |
| September 2011 | 6,580,350.03 | 2,249,843.62 | 8,585,895.73 | 5,339,784.00 |
| October 2011 | 6,481,970.52 | 2,213,922.15 | 8,455,099.46 | 5,253,023.91 |
| November 2011 | 6,384,725.58 | 2,178,424.09 | 8,325,864.83 | 5,167,259.57 |
| December 2011 | 6,288,602.78 | 2,143,344.78 | 8,198,174.51 | 5,082,480.11 |
| January 2012 | 6,193,589.82 | 2,108,679.61 | 8,072,011.37 | 4,998,674.77 |
| February 2012 | 6,099,674.54 | 2,074,424.02 | 7,947,358.46 | 4,915,832.91 |
| March 2012 | 6,006,844.91 | 2,040,573.51 | 7,824,199.01 | 4,833,944.01 |
| April 2012 | 5,915,089.03 | 2,007,123.61 | 7,702,516.44 | 4,752,997.65 |
| May 2012 | 5,824,395.12 | 1,974,069.92 | 7,582,294.33 | 4,672,983.53 |
| June 2012 | 5,734,751.53 | 1,941,408.06 | 7,463,516.46 | 4,593,891.46 |
| July 2012 | 5,646,146.74 | 1,909,133.72 | 7,346,166.77 | 4,515,711.36 |
| August 2012 | 5,558,569.35 | 1,877,242.63 | 7,230,229.38 | 4,438,433.25 |
| September 2012 | 5,472,008.08 | 1,845,730.56 | 7,115,688.58 | 4,362,047.27 |
| October 2012 | 5,386,451.77 | 1,814,593.33 | 7,002,528.83 | 4,286,543.66 |
| November 2012 | 5,301,889.39 | 1,783,826.80 | 6,890,734.76 | 4,211,912.76 |
| December 2012 | 5,218,310.03 | 1,753,426.89 | 6,780,291.16 | 4,138,145.02 |
| January 2013 | 5,135,702.88 | 1,723,389.54 | 6,671,182.99 | 4,065,230.99 |
| February 2013 | 5,054,057.26 | 1,693,710.75 | 6,563,395.37 | 3,993,161.32 |
| March 2013 | 4,973,362.60 | 1,664,386.57 | 6,456,913.58 | 3,921,926.76 |
| April 2013 | 4,893,608.44 | 1,635,413.07 | 6,351,723.06 | 3,851,518.16 |
| May 2013 | 4,814,784.44 | 1,606,786.38 | 6,247,809.41 | 3,781,926.48 |
| June 2013 | 4,736,880.37 | 1,578,502.66 | 6,145,158.39 | 3,713,142.76 |
| July 2013 | 4,659,886.11 | 1,550,558.12 | 6,043,755.90 | 3,645,158.14 |
| August 2013 | 4,583,791.64 | 1,522,949.01 | 5,943,588.01 | 3,577,963.86 |
| September 2013 | 4,508,587.06 | 1,495,671.62 | 5,844,640.92 | 3,511,551.25 |
| October 2013 | 4,434,262.58 | 1,468,722.28 | 5,746,901.00 | 3,445,911.73 |
| November 2013 | 4,360,808.50 | 1,442,097.35 | 5,650,354.75 | 3,381,036.82 |
| December 2013 | 4,288,215.23 | 1,415,793.24 | 5,554,988.83 | 3,316,918.13 |
| January 2014 | 4,216,473.28 | 1,389,806.40 | 5,460,790.04 | 3,253,547.36 |
| February 2014 | 4,145,573.28 | 1,364,133.31 | 5,367,745.32 | 3,190,916.30 |
| March 2014 | 4,075,505.94 | 1,338,770.49 | 5,275,841.75 | 3,129,016.82 |
| April 2014 | 4,006,262.07 | 1,313,714.50 | 5,185,066.55 | 3,067,840.88 |
| May 2014 | 3,937,832.60 | 1,288,961.94 | 5,095,407.09 | 3,007,380.53 |
| June 2014 | 3,870,208.54 | 1,264,509.44 | 5,006,850.87 | 2,947,627.91 |
| July 2014 | 3,803,381.00 | 1,240,353.67 | 4,919,385.52 | 2,888,575.24 |
| August 2014 | 3,737,341.19 | 1,216,491.34 | 4,832,998.80 | 2,830,214.82 |
| September 2014 | 3,672,080.41 | 1,192,919.18 | 4,747,678.62 | 2,772,539.03 |
| October 2014 | 3,607,590.05 | 1,169,633.98 | 4,663,413.01 | 2,715,540.35 |
| November 2014 | 3,543,861.61 | 1,146,632.54 | 4,580,190.13 | 2,659,211.32 |
| December 2014 | 3,480,886.66 | 1,123,911.71 | 4,497,998.27 | 2,603,544.57 |
| January 2015 | 3,418,656.87 | 1,101,468.37 | 4,416,825.85 | 2,548,532.80 |
| February 2015 | 3,357,164.01 | 1,079,299.43 | 4,336,661.41 | 2,494,168.81 |
| March 2015 | 3,296,399.92 | 1,057,401.83 | 4,257,493.62 | 2,440,445.45 |
| April 2015 | 3,236,356.54 | 1,035,772.56 | 4,179,311.27 | 2,387,355.67 |
| May 2015 | 3,177,025.90 | 1,014,408.62 | 4,102,103.26 | 2,334,892.49 |
| June 2015 | 3,118,400.10 | 993,307.06 | 4,025,858.63 | 2,283,048.99 |
| July 2015 | 3,060,471.34 | 972,464.96 | 3,950,566.53 | 2,231,818.34 |


| Distribution Date | Class TA | Class TC | Class UA | Class WA |
| :---: | :---: | :---: | :---: | :---: |
| August 2015 | \$ 3,003,231.90 | \$ 951,879.42 | \$ 3,876,216.23 | \$ 2,181,193.78 |
| September 2015 | 2,946,674.15 | 931,547.59 | 3,802,797.12 | 2,131,168.63 |
| October 2015 | 2,890,790.52 | 911,466.63 | 3,730,298.69 | 2,081,736.27 |
| November 2015 | 2,835,573.55 | 891,633.74 | 3,658,710.56 | 2,032,890.15 |
| December 2015 | 2,781,015.84 | 872,046.15 | 3,588,022.46 | 1,984,623.80 |
| January 2016 | 2,727,110.08 | 852,701.12 | 3,518,224.23 | 1,936,930.81 |
| February 2016 | 2,673,849.03 | 833,595.94 | 3,449,305.81 | 1,889,804.85 |
| March 2016 | 2,621,225.54 | 814,727.94 | 3,381,257.26 | 1,843,239.65 |
| April 2016 | 2,569,232.53 | 796,094.45 | 3,314,068.75 | 1,797,229.01 |
| May 2016 | 2,517,863.00 | 777,692.86 | 3,247,730.56 | 1,751,766.80 |
| June 2016 | 2,467,110.02 | 759,520.57 | 3,182,233.06 | 1,706,846.96 |
| July 2016 | 2,416,966.74 | 741,575.01 | 3,117,566.74 | 1,662,463.48 |
| August 2016 | 2,367,426.38 | 723,853.65 | 3,053,722.18 | 1,618,610.42 |
| September 2016 | 2,318,482.24 | 706,353.97 | 2,990,690.08 | 1,575,281.91 |
| October 2016 | 2,270,127.68 | 689,073.49 | 2,928,461.22 | 1,532,472.14 |
| November 2016 | 2,222,356.15 | 672,009.75 | 2,867,026.50 | 1,490,175.37 |
| December 2016 | 2,175,161.15 | 655,160.31 | 2,806,376.91 | 1,448,385.90 |
| January 2017 | 2,128,536.26 | 638,522.78 | 2,746,503.53 | 1,407,098.12 |
| February 2017 | 2,082,475.14 | 622,094.77 | 2,687,397.56 | 1,366,306.46 |
| March 2017 | 2,036,971.50 | 605,873.93 | 2,629,050.27 | 1,326,005.42 |
| April 2017 | 1,992,019.13 | 589,857.94 | 2,571,453.04 | 1,286,189.56 |
| May 2017 | 1,947,611.89 | 574,044.49 | 2,514,597.34 | 1,246,853.49 |
| June 2017 | 1,903,743.69 | 558,431.31 | 2,458,474.74 | 1,207,991.88 |
| July 2017 | 1,860,408.52 | 543,016.14 | 2,403,076.89 | 1,169,599.46 |
| August 2017 | 1,817,600.43 | 527,796.75 | 2,348,395.53 | 1,131,671.02 |
| September 2017 | 1,775,313.54 | 512,770.94 | 2,294,422.50 | 1,094,201.41 |
| October 2017 | 1,733,542.02 | 497,936.53 | 2,241,149.73 | 1,057,185.52 |
| November 2017 | 1,692,280.12 | 483,291.36 | 2,188,569.24 | 1,020,618.31 |
| December 2017 | 1,651,522.14 | 468,833.30 | 2,136,673.12 | 984,494.79 |
| January 2018 | 1,611,262.45 | 454,560.23 | 2,085,453.56 | 948,810.02 |
| February 2018 | 1,571,495.48 | 440,470.07 | 2,034,902.83 | 913,559.11 |
| March 2018 | 1,532,215.71 | 426,560.76 | 1,985,013.29 | 878,737.23 |
| April 2018 | 1,493,417.69 | 412,830.25 | 1,935,777.38 | 844,339.61 |
| May 2018 | 1,455,096.02 | 399,276.52 | 1,887,187.62 | 810,361.52 |
| June 2018 | 1,417,245.37 | 385,897.58 | 1,839,236.61 | 776,798.28 |
| July 2018 | 1,379,860.46 | 372,691.44 | 1,791,917.04 | 743,645.26 |
| August 2018 | 1,342,936.08 | 359,656.16 | 1,745,221.68 | 710,897.89 |
| September 2018 | 1,306,467.05 | 346,789.79 | 1,699,143.36 | 678,551.64 |
| October 2018 | 1,270,448.27 | 334,090.43 | 1,653,675.02 | 646,602.04 |
| November 2018 | 1,234,874.69 | 321,556.18 | 1,608,809.65 | 615,044.65 |
| December 2018 | 1,199,741.31 | 309,185.17 | 1,564,540.32 | 583,875.10 |
| January 2019 | 1,165,043.19 | 296,975.55 | 1,520,860.19 | 553,089.05 |
| February 2019 | 1,130,775.43 | 284,925.49 | 1,477,762.49 | 522,682.21 |
| March 2019 | 1,096,933.20 | 273,033.18 | 1,435,240.51 | 492,650.34 |
| April 2019 | 1,063,511.72 | 261,296.82 | 1,393,287.63 | 462,989.25 |
| May 2019 | 1,030,506.25 | 249,714.64 | 1,351,897.30 | 433,694.79 |
| June 2019 | 997,912.11 | 238,284.89 | 1,311,063.03 | 404,762.85 |
| July 2019 | 965,724.67 | 227,005.84 | 1,270,778.42 | 376,189.37 |
| August 2019 | 933,939.35 | 215,875.77 | 1,231,037.12 | 347,970.34 |
| September 2019 | 902,551.62 | 204,892.98 | 1,191,832.87 | 320,101.79 |
| October 2019 | 871,557.00 | 194,055.80 | 1,153,159.46 | 292,579.78 |


| Distribution Date | Class TA |  | Class TC |  | Class UA |  | Class WA |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| November 2019 | \$ | 840,951.06 | \$ | 183,362.56 | \$ | 1,115,010.75 | \$ | 265,400.43 |
| December 2019 |  | 810,729.41 |  | 172,811.63 |  | 1,077,380.68 |  | 238,559.89 |
| January 2020 |  | 780,887.71 |  | 162,401.38 |  | 1,040,263.25 |  | 212,054.36 |
| February 2020 |  | 751,421.68 |  | 152,130.20 |  | 1,003,652.53 |  | 185,880.07 |
| March 2020 |  | 722,327.07 |  | 141,996.51 |  | 967,542.64 |  | 160,033.31 |
| April 2020 |  | 693,599.69 |  | 131,998.73 |  | 931,927.78 |  | 134,510.39 |
| May 2020 |  | 665,235.38 |  | 122,135.31 |  | 896,802.21 |  | 109,307.68 |
| June 2020 |  | 637,230.04 |  | 112,404.71 |  | 862,160.25 |  | 84,421.57 |
| July 2020 |  | 609,579.61 |  | 102,805.42 |  | 827,996.29 |  | 59,848.50 |
| August 2020 |  | 582,280.07 |  | 93,335.92 |  | 794,304.77 |  | 35,584.94 |
| September 2020 |  | 555,327.44 |  | 83,994.73 |  | 761,080.19 |  | 11,627.41 |
| October 2020 |  | 528,717.80 |  | 74,780.38 |  | 728,317.13 |  | 0.00 |
| November 2020 |  | 502,447.26 |  | 65,691.41 |  | 696,010.21 |  | 0.00 |
| December 2020 |  | 476,511.97 |  | 56,726.39 |  | 664,154.11 |  | 0.00 |
| January 2021 |  | 450,908.13 |  | 47,883.89 |  | 632,743.58 |  | 0.00 |
| February 2021 |  | 425,631.98 |  | 39,162.50 |  | 601,773.42 |  | 0.00 |
| March 2021 |  | 400,679.80 |  | 30,560.83 |  | 571,238.50 |  | 0.00 |
| April 2021 |  | 376,047.90 |  | 22,077.50 |  | 541,133.72 |  | 0.00 |
| May 2021 |  | 351,732.65 |  | 13,711.14 |  | 511,454.06 |  | 0.00 |
| June 2021 |  | 327,730.44 |  | 5,460.41 |  | 482,194.55 |  | 0.00 |
| July 2021 |  | 304,037.72 |  | 0.00 |  | 453,350.27 |  | 0.00 |
| August 2021 |  | 280,650.96 |  | 0.00 |  | 424,916.35 |  | 0.00 |
| September 2021 |  | 257,566.67 |  | 0.00 |  | 396,887.98 |  | 0.00 |
| October 2021 |  | 234,781.41 |  | 0.00 |  | 369,260.41 |  | 0.00 |
| November 2021 |  | 212,291.77 |  | 0.00 |  | 342,028.93 |  | 0.00 |
| December 2021 |  | 190,094.38 |  | 0.00 |  | 315,188.89 |  | 0.00 |
| January 2022 |  | 168,185.91 |  | 0.00 |  | 288,735.68 |  | 0.00 |
| February 2022 |  | 146,563.05 |  | 0.00 |  | 262,664.76 |  | 0.00 |
| March 2022 |  | 125,222.55 |  | 0.00 |  | 236,971.62 |  | 0.00 |
| April 2022 |  | 104,161.18 |  | 0.00 |  | 211,651.82 |  | 0.00 |
| May 2022 |  | 83,375.74 |  | 0.00 |  | 186,700.95 |  | 0.00 |
| June 2022 |  | 62,863.08 |  | 0.00 |  | 162,114.66 |  | 0.00 |
| July 2022 |  | 42,620.08 |  | 0.00 |  | 137,888.64 |  | 0.00 |
| August 2022 |  | 22,643.65 |  | 0.00 |  | 114,018.64 |  | 0.00 |
| September 2022 |  | 2,930.73 |  | 0.00 |  | 90,500.44 |  | 0.00 |
| October 2022 |  | 0.00 |  | 0.00 |  | 67,329.88 |  | 0.00 |
| November 2022 |  | 0.00 |  | 0.00 |  | 44,502.84 |  | 0.00 |
| December 2022 |  | 0.00 |  | 0.00 |  | 22,015.25 |  | 0.00 |
| January 2023 and thereafter |  | 0.00 |  | 0.00 |  | 0.00 |  | 0.00 |

Exhibit A
(1) As defined under "Class Types" in Appendix I to the Base Offering Circular.
(2) Underlying Certificate Factors are as of November 2002 .
(3) These Underlying Certificates bear interest during their respective interest accrual periods, subject to the applicable maximum and minimum interest rates, as further described in the related Underlying Certificate Disclosure Documents, excerpts of which are attached as Exhibit B to this Supplement.




| $\begin{gathered} \text { Trust } \\ \text { Asset } \\ \text { Subgroup } \\ \hline \end{gathered}$ | Issuer | Series | Class | Issue Date | $\begin{aligned} & \text { CUSIP } \\ & \text { Number } \end{aligned}$ | Interest Rate | Interest | $\begin{gathered} \text { Final } \\ \text { Distribution } \\ \text { Date } \end{gathered}$ | $\begin{aligned} & \begin{array}{l} \text { Principal } \\ \text { Type(1) } \\ \hline \end{array} \\ & \hline \end{aligned}$ | Original Principal Balance of Class | Underlying Certificate Factor(2) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 6A | Ginnie Mae | 1999-28 | EA | August 30, 1999 | 3837H2XY0 | 0 | PO | August 2029 | PAC | \$25,925,926 | 0.69008197 |
| 6A | Ginnie Mae | 2001.15 | PO | April 30, 2001 | 383739K99 | 0 | PO | April 2031 | PT | 30,769,412 | 0.66897213 |
| 6A | Fannie Mae | 2001-19 | PO | April 27, 2001 | 31359 L665 | 0 | PO | April 2031 | PT | 30,769,231 | 0.66314599 |
| 6A | Ginnie Mae | 2001.29 | So | June 29, 2001 | 38373RND7 | 0 | PO | June 2031 | PT | 67,692,308 | 0.67553329 |
| 6A | Ginnie Mae | $2002 \cdot 17$ | KO | March 28, 2002 | 38373WGE2 | 0 | PO | March 2032 | PT | 61,538,462 | 0.85682346 |
| 6A | Ginnie Mae | 2002.54 | PO | August 29, 2002 | 38373 VCB 4 | 0 | PO | November 2029 | SEQ | 29,487,077 | 0.84666528 |
| 6B | Ginnie Mae | 2002-10 | SA | February 28, 2002 | 38373 T2Q7 | (3) | INV | February 2032 | SUP | 15,763,056 | 0.61268845 |
| ${ }^{6 C}$ | Ginnie Mae | 2002-14 | SJ | February 28, 2002 | 38373WDV7 | (3) | INV | February 2032 | PT | 46,153,846 | 0.83378094 |
| 6 D | Ginnie Mae | 2002.59 | SA | August 29, 2002 | 38373 VBW9 | (3) | INV | September 2031 | TAC/AD | 47,740,882 | 0.920931 |

## Exhibit B

Cover Pages and Terms Sheets from Underlying Certificate Disclosure Documents

# Offering Circular Supplement (To Base Offering Circular dated March 1, 1999) \$618,400,000 Government National Mortgage Association GINNIE MAE ${ }^{\circledR}$ 

Guaranteed REMIC Pass-Through Securities and MX Securities Ginnie Mae REMIC Trust 1999-28

Ginnie Mae REMIC Trust 1 999-28 Guaranteed REMIC Pass-Through Securities (the "Securities") represent interests in Ginnie Mae REMIC Trust 1999-28 (the "Trust"). The assets of the Trust (the "Trust Assets") consist primarily of Ginnie Mae Certificates guaranteed pursuant to Ginnie Mae programs for first lien, singlefamily, fixed rate, residential mortgage loans (the "Trust MBS").

Guaranteed REMIC Pass-Through Securities ("REMIC Securities") may, upon notice and payment of an exchange fee, be exchanged for one or more specified classes (each, an "MX Class") of Modifiable and Exchangeable Securities ("MX Securities") as described under "Description of the Securities-Modification and Exchange" herein. In addition, as described herein, Classes of MX Securities are exchangeable for specified REMIC Classes and, in certain cases, specified MX Classes. Unless the context requires otherwise, the term "Securities" includes REMIC Securities and MX Securities and the term "Classes" includes Classes of REMIC Securities and MX Securities.

The Classes listed in the table below and the MX Classes are offered pursuant to this Offering Circular Supplement and the Base Offering Circular. The Regular and MX Classes comprise two Security Groups. Payments on Security Group 1 will be based solely on payments on the Group 1 Trust Assets and payments on Security Group 2 will be based solely on payments on the Group 2 Trust Assets. Unless indicated otherwise, capitalized terms used herein shall have the meanings assigned to them in the glossary attached as Appendix II to the Base Offering Circular. For a discussion of certain material risks in connection with the purchase of the Securities, see "Risk Factors-Class Investment Considerations" on page S-17 of this Supplement.

## GINNIE MAE GUARANTEES 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 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 of REMIC Securities | Original <br> Principal <br> Balance (2) | Interest Rate | Principal <br> Type (3) | $\begin{gathered} \text { Interest } \\ \text { Type (3) } \end{gathered}$ | Final Distribution Date(4) | Weighted Average Life (in years) (5) | CUSIP <br> Number | Class of REMIC Securities | Original Principal Balance (2) | Interest Rate | Principal <br> Type (3) | Interest <br> Type (3) | Final Distribution Date(4) | Weighted Average Life (in years) (5) | CUSIP <br> Number |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Security Group 1 |  |  |  |  |  |  |  | Z | 38,658,748 | 6.50 | SUP | FIX/Z | August 2029 | 20.6 | 3837H2YS2 |
| EA(1).. | \$25,925,926 | 0.00\% | PAC | PO | August 2029 | 4.8 | 3837H2XY0 | ZA | 10,864,000 | 6.50 | SUP | FIX/Z | November 2023 | 0.9 | 3837H2YT0 |
| FJ(1) | 35,810,005 | (6) | AD/TAC | FLT | January 2019 | 3.5 | 3837H2XZ7 | ZC | 21,295,380 | 6.50 | PAC | FIX/Z | August 2029 | 18.0 | 3837 H 2 YU 7 |
| FL(1) | 1,989,445 | (6) | AD/TAC | FLT/INV | January 2019 | 3.5 | 3837H2YA1 |  |  |  |  |  |  |  |  |
| FM (1) | 2,223,497 | (6) | AD/TAC | FLT/INV | January 2019 | 3.5 | 3837H2YB9 | Security Group 2 |  |  |  |  |  |  |  |
| FP | 100,000,000 | (6) | PAC | FLT | August 2029 | 4.8 | 3837 H 2 YC 7 | B | \$18,514,500 | 7.50\% | SUP | FIX | December 2022 | 10.0 | 3837H2ZD4 |
| FW(1) | 27,296,690 | (6) | AD/SUP | FLT | August 2014 | 10.6 | 3837H2YD5 | F | 25,000,000 | (6) | TAC | FLT | December 2022 | 4.0 | 3837H2ZC6 |
| FY(1) | 1,516,483 | (6) | AD/SUP | FLT/INV | August 2014 | 10.6 | 3837H2YE3 | FA(1) | 18,038,536 | (6) | SUP | FLT | June 2021 | 4.4 | 3837H2YY9 |
| PC | 34,135,463 | 6.00 | PAC | FIX | May 2027 | 3.0 | 3837H2YF0 | FD (1) | 1,002,141 | (6) | SUP | FLT/INV | June 2021 | 4.4 | 3837H2YZ6 |
| PD | 14,639,600 | 6.00 | PAC | FIX | July 2028 | 6.0 | 3837H2YG8 | FK(1) | 1,120,040 | (6) | SUP | FLT/INV | June 2021 | 4.4 | 3837H2ZA0 |
| PE | 14,187,900 | 6.00 | PAC | FIX | August 2029 | 8.0 | 3837H2YH6 | PA | 3,631,549 | 7.50 | NTL(PAC) | FIX/IO | December 2022 | 3.7 | 3837H2YX1 |
| PG | 63,271,500 | 6.50 | PAC | FIX | May 2028 | 11.0 | 3837 H 2 YJ 2 | PK | 27,872,000 | 6.50 | PAC | FIX | March 2021 | 2.5 | 3837H2YV5 |
| SE | 12,314,753 | (6) | AD/TAC | INV | January 2019 | 3.5 | 3837H2YK9 | PL | 15,442,000 | 6.50 | PAC | FIX | December 2022 | 6.0 | 3837H2YW3 |
| SQ(1) | 100,000,000 | (6) | NTL(PAC) | INV/IO | August 2029 | 4.8 | 3837H2YL7 | S | 25,000,000 | (6) | NTL(TAC) | INV/IO | December 2022 | 4.0 | 3837H2A58 |
| SU(1) | 100,000,000 | (6) | NTL (PAC) | INV/IO | August 2029 | 4.8 | 3837H2YM5 | SC(1) | 3,877,783 | (6) | SUP | INV | June 2021 | 4.4 | 3837H2ZB8 |
| SX(1) | 11,081,990 | (6) | AD/SUP | INV | August 2014 | 10.6 | 3837H2YN3 | VE | 9,289,500 | 7.50 | AD/SEQ | FIX | December 2006 | 4.0 | 3837H2ZE2 |
| VA. | 23,667,580 | 6.50 | AD/SUP | FIX | January 2007 | 4.0 | 3837 H 2 YP 8 | VG | 17,030,500 | 7.50 | AD/SEQ | FIX | August 2014 | 10.9 | 3837H2ZF9 |
| VC | 13,037,400 | 6.50 | AD/PAC | FIX | January 2007 | 4.0 | 3837H2YQ6 | ZE | 12,813,000 | 7.50 | SEQ | FIX/Z | August 2029 | 18.5 | 3837H2ZG7 |
| VD. | 16,483,640 | 6.50 | AD/PAC | FIX | January 2013 | 10.6 | 3837H2YR4 |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  | Residual RR |  | 0.00 | NPR | NPR | August 2029 | - | 3837H2ZH5 |

(1) Denotes a Class which is exchangeable for an MX Class. See Exhibit A to this Supplement for a description of the MX Classes.
(2) Subject to increase as described under "Increase in Size" in this Supplement. The amount shown for the Notional Class (indicated by "NTL" under Principal Type) is its original Class
2) Subject to increase as described under "Increase in Size" in this Supplement. The amount shown for the 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
(4) See "Yield, Maturity and Prepayment Considerations-Final Distribution Date" in this Supplement
(5) The Weighted Average Lives of Security Group 1 and Security Group 2 are calculated at $125 \%$ PSA and 170\% PSA, respectively, in each case determined as described under "Yield, Maturity and Prepayment Considerations" in this Supplement. Prepayments will not occur at any assumed rate shown or at any other constant rate.
(6) The Floating Rate and Inverse Floating Rate Classes will bear interest as described under "Terms Sheet-Interest Rates" in this Supplement.

The Securities are being offered by Bear, Stearns \& Co. Inc. (the "Sponsor") and Blaylock \& Partners, 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 August 1 , 1999 on the Fixed Rate Classes and from August 20 , 1999 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 the Book-Entry Depository (as defined herein) 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 August 30, 1999.

## Bear, Stearns \& Co. Inc.

The date of this Offering Circular Supplement is August 25, 1999.

## GINNIE MAE REMIC TRUST 1999-28 TERMS SHEET

This terms sheet (the "Terms Sheet") contains selected information for quick reference only. Prospective 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: August 30, 1999
Distribution Date: 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, commencing in September 1999.
Trust Assets:

| Trust Asset <br> Group | Trust Asset Type |
| :---: | :---: | :---: | :---: |$\quad$| Certificate |
| :---: |
| Rate |$\quad$| Original Term <br> To Maturity <br> (in years) |
| :---: |
| 2 |

## Security Groups:

Group 1 Securities: Classes EA, FJ, FL, FM, FP, FW, FY, PC, PD, PE, PG, SE, SQ, SU, SX, VA, VC, VD, Z, ZA and ZC (REMIC Securities) and Classes FE, FG, FH, FX, SO, SP, SW and VB (MX Securities).

Group 2 Securities: Classes B, F, FA, FD, FK, PA, PK, PL, S, SC, VE, VG and ZE (REMIC Securities) and A, C, D, E, EB, FB, FC, G, H, SA and SB (MX Securities)

Trustee Fee: 1,135/4,685,135 of all principal and interest distributions on the Group 1 Trust Assets and $32 / 150,032$ of all principal and interest distributions on the Group 2 Trust Assets.

Assumed Mortgage Loan Characteristics of the Mortgage Loans Underlying the Trust Assets (as of August 1, 1999):

| Security Group | Principal Balance | Weighted Average Remaining Term to Maturity (in months) | Weighted Average Loan Age (in months) | Weighted Average Mortgage Rate* |
| :---: | :---: | :---: | :---: | :---: |
| 1 | \$468,513,500 | 354 | 6 | 7.250\% |
| 2 | \$150,032,000 | 350 | 8 | 8.250\% |

* The Mortgage Loans underlying the Group 1 Trust Assets may bear interest at rates ranging from $7.0 \%$ to $8.0 \%$ per annum, and the Mortgage Loans underlying the Group 2 Trust Assets may bear interest at rates ranging from 8.0\% to $9.0 \%$.

The actual remaining terms to maturity, loan ages and 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.

Modeling Assumptions: Set forth under "Yield, Maturity and Prepayment Considerations" in this Supplement.

Modification and Exchange: Beneficial Owners of certain Classes of REMIC Securities will be entitled, upon notice and payment of an exchange fee, to exchange all or a portion of such Classes for a proportionate interest in the related MX Class or Classes as shown on Exhibit A to this Supplement. Similarly, Beneficial Owners of MX Classes will be entitled, upon like notice and
payment of an exchange fee, to exchange all or a portion of such Class or Classes for proportionate interests in the related Classes of REMIC Securities or, in some cases, other related MX Classes. Each MX Security will represent a proportionate beneficial ownership interest in, and will entitle the Holder thereof to receive a proportionate share of the distributions on, the related Classes of REMIC Securities. See "Description of the Securities-Modification and Exchange" in this Supplement. Exhibit A to this Supplement sets forth the available combinations of the Classes of REMIC Securities and the related MX Class or Classes.

Increased Minimum Denomination Classes: Each REMIC Class or MX Class that constitutes a Principal Only, Interest Only or Inverse Floating Rate Class. See "Description of the SecuritiesForm of Securities."

Interest Rates: The Interest Rates for the Fixed Rate Classes are shown on the cover page of this Supplement or on Exhibit A 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 | $\begin{gathered} \text { Delay } \\ \text { (in days) } \\ \hline \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| F | LIBOR + 0.35\% | 5.53\% | 0.35\% | 8.50\% | 0 |
| FA | LIBOR + 0.60\% | 5.78\% | 0.60\% | 9.50\% | 0 |
| $\mathrm{FB} \dagger$ | LIBOR + 0.60\% | 5.78\% | 0.60\% | 9.00\% | 0 |
| $\mathrm{FC}+$ | LIBOR + 0.60\% | 5.78\% | 0.60\% | 8.50\% | 0 |
| FD | (3) | 5.78\% | 0.00\% | 9.00\% | 0 |
| $\mathrm{FE} \dagger$ | LIBOR + 0.45\% | 5.67\% | 0.45\% | 8.50\% | 0 |
| FG $\dagger$ | LIBOR + 0.45\% | 5.67\% | 0.45\% | 9.00\% | 0 |
| $\mathrm{FH} \dagger$ | (3) | 5.67\% | 0.00\% | 8.50\% | 0 |
| FJ | LIBOR + 0.45\% | 5.67\% | 0.45\% | 9.50\% | 0 |
| FK | (3) | 5.78\% | 0.00\% | 8.50\% | 0 |
| FL | (3) | 5.67\% | 0.00\% | 9.00\% | 0 |
| FM | (3) | 5.67\% | 0.00\% | 8.50\% | 0 |
| FP | LIBOR + 0.30\% | 5.52\% | 0.30\% | 8.50\% | 0 |
| FW | LIBOR + 0.70\% | 5.92\% | 0.70\% | 9.50\% | 0 |
| FX $\dagger$ | LIBOR + 0.70\% | 5.92\% | 0.70\% | 9.00\% | 0 |
| FY | (3) | 5.92\% | 0.00\% | 9.00\% | 0 |
| S | 8.15\% - LIBOR | 2.97\% | 0.00\% | 8.15\% | 0 |
| SA $\dagger$ | 26.757321\% - (LIBOR X 3.00644 ) | 11.183959\% | 0.00\% | 26.757321\% | 0 |
| SB $\dagger$ | $32.002269 \%$ - (LIBOR X 3.809794) | 12.26753\% | 0.00\% | 32.002269\% | 0 |
| SC | 41.072346\% - (LIBOR X 5.19903) | 14.1414\% | 0.00\% | $41.072346 \%$ | 0 |
| SE | 26.1625\% - (LIBOR x 3.25) | 9.1975\% | 0.00\% | 26.1625\% | 0 |
| $\mathrm{SO} \dagger$ | $31.628571 \%$ - (LIBOR x 3.857142 ) | $11.494285 \%$ | 0.00\% | 31.628571\% | 0 |
| SP+ | 8.20\% - LIBOR | 2.98\% | 0.00\% | 8.20\% | 0 |
| SQ | 8.20\% - LIBOR | 0.70\% | 0.00\% | 0.70\% | 0 |
| SU | 7.50\% - LIBOR | 2.28\% | 0.00\% | 7.50\% | 0 |
| SW $\dagger$ | $19.066666 \%$ - (LIBOR x 2.166667 ) | $7.75666 \%$ | 0.00\% | 19.066666\% | 0 |
| SX | $21.58 \%-($ LIBOR X 2.6) | 8.008\% | 0.00\% | 21.58\% | 0 |

(1) LIBOR will be established on the basis of the BBA LIBOR method, as described under "Description of the Securities-Distributions-Floating Rate and Inverse Floating Rate Classes" herein.
(2) The initial Interest Rate will be in effect during the first Accrual Period; the Interest Rate will adjust monthly thereafter.
(footnotes continued on next page)
(3) The interest rate formula for each indicated Class is as follows:

| Class | LIBOR Level | Interest Rate Formula |
| :---: | :---: | :---: |
| FD | Less than or equal to $8.40 \%$ | LIBOR + 0.60\% |
|  | Greater than 8.40\% | 160.2\% - (LIBOR $\times 18$ ) |
| FH $\dagger$ | Less than or equal to $8.05 \%$ | LIBOR + 0.45\% |
|  | Greater than 8.05\% | 76.925\% - (LIBOR $\times 8.5$ ) |
| FK | Less than or equal to $7.90 \%$ | LIBOR + 0.60\% |
|  | Greater than 7.90\% | 142.8\% - (LIBOR $\times 17$ ) |
| FL | Less than or equal to 8.55\% | LIBOR + 0.45\% |
|  | Greater than 8.55\% | 162.9\% - (LIBOR $\times 18$ ) |
| FM | Less than or equal to $8.05 \%$ | LIBOR + 0.45\% |
|  | Greater than 8.05\% | 145.35\% - (LIBOR $\times 17$ ) |
| FY | Less than or equal to 8.30\% | LIBOR + 0.70\% |
|  | Greater than 8.30\% | 158.4\% - (LIBOR $\times 18$ ) |

$\dagger$ MX Class
Allocation of Principal: On each Distribution Date the following distributions will be made to the related Securities:

## Security Group 1

1,135/4,685,135 of the Group 1 Principal Distribution Amount (as defined below) will be applied to the Trustee Fee, and the remaining 4,684,000/4,685,135 of the Group 1 Principal Distribution Amount (the "Group 1 Adjusted Principal Distribution Amount") and the Z Accrual Amount, the ZA Accrual Amount and the ZC Accrual Amount (each as defined below) will be allocated as follows:

- The Z Accrual Amount in the following order of priority:

1. To VA, until retired
2. Concurrently, to FW, FY and SX, pro rata, until retired
3. Concurrently, to FJ, FL, FM and SE, pro rata, until retired

- The ZA Accrual Amount in the following order of priority:

1. Concurrently, to FJ, FL, FM and SE, pro rata, until retired
2. To ZA, until retired

- The ZC Accrual Amount, sequentially, to VC, VD and ZC in that order, until retired
- The Group 1 Adjusted Principal Distribution Amount and any remaining Z Accrual Amount in the following order of priority:

1. Concurrently,
a. $66.6666666667 \%$, concurrently, to EA and FP , pro rata, until reduced to their Scheduled Principal Balances for that Distribution Date
b. 33.3333333333 , sequentially, to $\mathrm{PC}, \mathrm{PD}$ and PE , in that order, until reduced to their Scheduled Principal Balances for that Distribution Date
2. Sequentially, to $\mathrm{PG}, \mathrm{VC}, \mathrm{VD}$ and ZC , in that order, until reduced to their Scheduled Principal Balances for that Distribution Date
3. Concurrently, to FJ, FL, FM and SE, pro rata, until reduced to their Scheduled Principal Balances for that Distribution Date
4. To ZA , until retired
5. Concurrently, to FJ, FL, FM and SE, pro rata, without regard to their Scheduled Principal Balances, until retired
6. To VA, until retired
7. Concurrently, to FW, FY and SX, pro rata, until retired
8. To Z, until retired
9. Concurrently,
a. $66.6666666667 \%$, concurrently, to EA and FP , pro rata, without regard to their Scheduled Principal Balances, until retired
b. $33.3333333333 \%$, sequentially, to $\mathrm{PC}, \mathrm{PD}$ and PE , in that order, without regard to their Scheduled Principal Balances, until retired
10. Sequentially, to $\mathrm{PG}, \mathrm{VC}, \mathrm{VD}$ and ZC , in that order, without regard to their Scheduled Principal Balances, until retired

## Security Group 2

$32 / 150,032$ of the Group 2 Principal Distribution Amount (as defined below) will be applied to the Trustee Fee, and the remaining $150,000 / 150,032$ of the Group 2 Principal Distribution Amount (the "Group 2 Adjusted Principal Distribution Amount") and the ZE Accrual Amount (as defined below) will be allocated in the following order of priority:

- The ZE Accrual Amount, sequentially, to VE and VG, in that order, until retired
- The Group 2 Adjusted Principal Distribution Amount and any remaining ZE Accrual Amount in the following order of priority:

1. Concurrently,
a. $27.0701930105 \%$ to F , until reduced to its Scheduled Principal Balance for that Distribution Date
b. $72.9298069895 \%$ in the following order of priority:
i. Sequentially, to PK and PL, in that order, until reduced to their Scheduled Principal Balances for that Distribution Date
ii. Concurrently, to FA, FD, FK and SC, pro rata, until retired
iii. Sequentially, to PK and PL, in that order, without regard to their Scheduled Principal Balances, until retired
2. To B, until retired
3. Concurrently,
a. $27.0701930105 \%$ to F , without regard to its Scheduled Principal Balance, until retired
b. $72.9298069895 \%$ in the following order of priority:
i. Sequentially, to PK and PL, in that order, until reduced to their Scheduled Principal Balances for that Distribution Date
ii. Concurrently, to FA, FD, FK and SC, pro rata, until retired
iii. Sequentially, to PK and PL, in that order, without regard to their Scheduled Principal Balances, until retired
4. Sequentially, to VE, VG and ZE, in that order, until retired

As to any Distribution Date, the "Group 1 Principal Distribution Amount" and "Group 2 Principal Distribution Amount" mean that portion of the Principal Distribution Amount for such date attributable to the Group 1 and Group 2 Trust Assets, respectively. As to any Distribution Date, the "Z Accrual Amount," "ZA Accrual Amount," "ZC Accrual Amount" and "ZE Accrual Amount" mean the Accrual Amount on such date for the related Accrual Class.

Accrual Classes: Classes Z, ZA, ZC and ZE 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, no interest will be distributed thereon 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".

MX Classes: On any Distribution Date when distributions of principal are to be allocated from REMIC Securities to MX Securities, such distributions will be allocated from the applicable Classes of REMIC Securities to the related MX Class or Classes.

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 | Approximate Original Class Notional Balance | Represents Approximately |
| :---: | :---: | :---: |
| H $\dagger$ | \$ 2,015,445 | 8.38423779\% of A $\dagger$ (SUP Class) |
| PA | \$ 2,336,855 | 8.38424000\% of PK (PAC Class) |
|  | \$ 1,294,694 | 8.38424000\% of PL (PAC Class) |
|  | \$ 3,631,549 |  |
| S | \$ 25,000,000 | 100\% of F (TAC Class) |
| SP+, SQ and SU | \$100,000,000 | 100\% of FP (PAC Class) |

$\dagger$ MX Class.
Structuring Ranges and Rates: The PAC and TAC Classes were structured using among other things, the following Structuring Ranges and Rates:

| Class | Range or Rate |
| :---: | :---: |
| PAC (Security Group 1) | 85\% PSA through 240\% PSA |
| PAC (Security Group 2) | 100\% PSA through 250\% PSA |
| TAC (Security Group 1) | 125\%PSA |
| TAC (Security Group 2) | 170\%PSA |

The Effective Range or Rate for a Class may differ from its Structuring Range or Rate. The initial Effective Ranges and Rates for the PAC and TAC Classes are set forth under "Risk Factors—Class Investment Considerations-PAC and TAC Classes" in this Supplement.

Scheduled Principal Balances: The Scheduled Principal Balances for each PAC and TAC Class are included in Schedule I to this Supplement.

## Weighted Average Lives (in years) *:

| Class ${ }_{\text {Security }}$ Group 1 | PSA Prepayment Assumption Rates |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | 0\% | 85\% | 125\% | 240\% | 400\% |
| EA, FP, SP $\dagger^{* *}, \mathrm{SO} \dagger, \mathrm{SQ}^{* *}$ and SU** | 13.0 | 4.8 | 4.8 | 4.8 | 3.6 |
| FE $\dagger, \mathrm{FG} \dagger, \mathrm{FH} \dagger, \mathrm{FJ}, \mathrm{FL}, \mathrm{FM}$ and SE | 12.9 | 9.6 | 3.5 | 1.2 | 0.8 |
| FW, FX $\dagger, \mathrm{FY}, \mathrm{SW} \dagger, \mathrm{SX}$ and VB $\dagger$ | 11.5 | 11.5 | 10.6 | 3.2 | 1.9 |
| PC | 9.1 | 3.0 | 3.0 | 3.0 | 2.7 |
| PD | 16.4 | 6.0 | 6.0 | 6.0 | 4.2 |
| PE | 18.9 | 8.0 | 8.0 | 8.0 | 5.1 |
| PG | 20.8 | 11.0 | 11.0 | 11.0 | 6.9 |
| VA | 4.0 | 4.0 | 4.0 | 2.0 | 1.3 |
| VC | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| VD | 10.6 | 10.6 | 10.6 | 10.6 | 8.8 |
| Z | 27.4 | 23.0 | 20.6 | 5.5 | 2.5 |
| ZA | 23.7 | 14.3 | 0.9 | 0.4 | 0.2 |
| ZC | 22.9 | 18.0 | 18.0 | 18.0 | 12.6 |
|  | PSA Prepayment Assumption Rates |  |  |  |  |
| Security Group 2 | 0\% | 100\% | 170\% | 250\% | 500\% |
| $\mathrm{A} \dagger, \mathrm{C} \dagger, \mathrm{D} \dagger, \mathrm{E} \dagger, \mathrm{EB} \dagger, \mathrm{FA}, \mathrm{FB} \dagger, \mathrm{FC} \dagger, \mathrm{FD}$, $\mathrm{FK}, \mathrm{G}+, \mathrm{H} \dagger^{* *}, \mathrm{SA}+, \mathrm{SB}+$, and SC . | 20.3 | 10.0 | 4.4 | 4.3 | 1.7 |
| B | 22.6 | 14.5 | 10.0 | 2.2 | 0.7 |
| F and $\mathrm{S}^{* *}$ | 15.5 | 6.0 | 4.0 | 3.9 | 2.3 |
| PA** | 12.8 | 3.7 | 3.7 | 3.7 | 2.7 |
| PK | 10.3 | 2.5 | 2.5 | 2.5 | 2.1 |
| PL | 17.4 | 6.0 | 6.0 | 6.0 | 3.7 |
| VE | 4.0 | 4.0 | 4.0 | 4.0 | 3.3 |
| VG | 11.5 | 11.5 | 10.9 | 9.1 | 5.3 |
| ZE | 27.0 | 21.9 | 18.5 | 15.1 | 8.8 |

[^6]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.

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. Each investor is urged to consult with its investment advisor regarding whether the Securities are an appropriate investment for such investor.

## Offering Circular Supplement

(To Base Offering Circular dated March 1, 2000)
\$752,843,242
Government National Mortgage Association

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

## Guaranteed REMIC Pass-Through Securities and MX Securities

Ginnie Mae REMIC Trust 2001-15

> 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 $S-7$ 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 April 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.

## Ginnie Mae REMIC Trust 2001-15

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 <br> Principal <br> Balance(2) | Interest Rate | $\begin{aligned} & \text { Principal } \\ & \text { Type(3) } \end{aligned}$ | Interest <br> Type(3) | Final Distribution Date(4) | $\begin{gathered} \text { CUSIP } \\ \text { Number } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Security Group 1 |  |  |  |  |  |  |
| FB | \$132,073,242 | (5) | PT | FLT | April 2031 | 383739 J 42 |
| SB | 132,073,242 | (5) | NTL (PT) | INV/IO | April 2031 | 383739559 |
| Security Group 2 |  |  |  |  |  |  |
| A | 86,445,000 | 6.5 \% | SEQ | FIX | October 2029 | 383739 J 67 |
| AG | 30,000,000 | 6.5 | SEQ | FIX | June 2027 | 383739 J 75 |
| AH | 6,891,000 | 6.5 | SEQ | FIX | October 2029 | 383739 991 |
| AL | 1,365,384 | 6.5 | NTL (SEQ) | FIX/IO | October 2029 | $383739 K 24$ |
| AN | 167,000,000 | 6.375 | SEQ | FIX | October 2029 | 383739K32 |
| GK | 6,000,000 | 8.5 | SEQ | FIX | October 2029 | $383739 K 40$ |
| VA | 10,882,000 | 6.5 | AD/SEQ | FIX | May 2010 | 383739K57 |
| VB | 19,182,000 | 6.5 | AD / SEQ | FIX | April 2019 | $383739 K 65$ |
| Z | 13,600,000 | 6.5 | SEQ | FIX / Z | April 2031 | 383739 K 73 |
| Security Group 3 |  |  |  |  |  |  |
| FJ | 100,000,588 | (5) | PT | FLT | April 2031 | 383739 K 81 |
| PO (1) | 30,769,412 | 0.0 | PT | PO | April 2031 | $383739 K 99$ |
| SI (1) | 100,000,588 | (5) | NTL (PT) | INV/IO | April 2031 | 383739 L 23 |
| Security Group 4 |  |  |  |  |  |  |
| T | 109,041,000 | 6.0 | SEQ | FIX | August 2027 | $383739 R 43$ |
| VG | 12,469,000 | 6.0 | AD / SEQ | FIX | June 2010 | 383739R50 |
| VH | 11,330,000 | 6.0 | AD/SEQ | FIX | November 2015 | 383739R68 |
| ZH | 17,160,000 | 6.0 | SEQ | FIX / Z | April 2031 | 383739 R 76 |
| Residual |  |  |  |  |  |  |
| RR... | 0 | 0.0 | NPR | NPR | April 2031 | 383739 L 31 |

(1) These securities may be exchanged for the 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: Goldman, Sachs \& Co.
Trustee: State Street Bank and Trust Company
Tax Administrator: The Trustee
Closing Date: April 30, 2001.
Distribution Dates: For the Group 1 Securities, the 16 th day of each month or, if the 16 th day is not a Business Day, the first Business Day thereafter, commencing in May 2001. For the Group 2, Group 3 and Group 4 Securities, the 20 th day of each month or, if the 19 th day or the 20th day is not a Business Day, the first Business Day following the 20th day of each month, commencing in May 2001.

Trust Assets:

| Trust Asset Group | Trust Asset Type | Certificate Rate | Original Term To Maturity (in years) |
| :---: | :---: | :---: | :---: |
| 1 | Ginnie Mae I | 8.5\% | 30 |
| 2 | Ginnie Mae II | 6.5 | 30 |
| 3 | Ginnie Mae II | 6.5 | 30 |
| 4 | Ginnie Mae II | 6.0 | 30 |

Security Groups: This Series of Securities consists of multiple Security Groups, as shown on the inside front cover of 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 ${ }^{\mathbf{1}}$ :



Group 1 Trust Assets \$132,073,242 273
Group 2 Trust Assets \$340,000,000 333

20
7.25

Group 3 Trust Assets \$130,770,000

358
$2 \quad 7.25$
Group 4 Trust Assets \$150,000,000 335

20
6.75

[^7]The actual remaining terms to maturity, loan ages and, in the case of the Group 2, Group 3 and Group 4 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.

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) | $\begin{aligned} & \text { Initial Interest } \\ & \quad \text { Rate(2) } \\ & \hline \end{aligned}$ | $\begin{gathered} \text { Minimum } \\ \text { Rate } \\ \hline \end{gathered}$ | $\begin{gathered} \text { Maximum } \\ \text { Rate } \\ \hline \end{gathered}$ | $\begin{gathered} \text { Delay } \\ \text { (in days) } \\ \hline \end{gathered}$ | LIBOR for Minimum Interest Rate |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| FB | LIBOR + 0.30\% | 5.4500\% | 0.3\% | 8.500\% | 0 | 0.00\% |
| FJ | LIBOR + 0.40\% | 5.4500\% | 0.4\% | 8.500\% | 0 | 0.00\% |
| SB | 8.20\% - LIBOR | 3.0500\% | 0.0\% | 8.200\% | 0 | 8.20\% |
| SI | 8.10\% - LIBOR | 3.0500\% | 0.0\% | 8.100\% | 0 | 8.10\% |
| SJ | 26.325\% - (LIBOR $\times 3.25$ ) | 9.9125\% | 0.0\% | 26.325\% | 0 | 8.10\% |

(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



## 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 Z Accrual Amount will be allocated as follows:
$\underset{\substack{\text { Accretion } \\ \text { Directed }}}{\substack{\text { a }}}$ - The Z Accrual Amount sequentially to VA and VB, in that order, until retired, and and
Accrual then to Z

- The Group 2 Adjusted Principal Distribution Amount in the following order of priority:
${\underset{\text { Sequential }}{\text { Pequ }}}\left\{\begin{array}{l}\text { 1. Concurrently, } \\ \quad \begin{array}{l}\text { a. } 12.4490443281 \% \text { sequentially to AG and AH, in that order, until retired } \\ \text { b. } 87.5509556719 \% \text { concurrently to A, AN and GK, pro rata, until retired }\end{array}\end{array}\right.$

2. Sequentially, to VA, VB and $Z$, in that order, until retired

## SECURITY GROUP 3

Pass- $\quad$ Through $\left\{\begin{array}{l}\text { A percentage of the Group } 3 \text { Principal Distribution Amount will be applied to the } \\ \text { Trustee Fee, and the remainder of the Group } 3 \text { Principal Distribution Amount (the } \\ \text { "Group 3 Adjusted Principal Distribution Amount") will be allocated concurrently } \\ \text { to FJ and PO, pro rata, until retired. }\end{array}\right.$

## 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 ZH Accrual Amount will be allocated as follows:


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 |
| :---: | :---: | :---: |
| AL | \$ 1,365,384 | 0.8175955781\% of AN (SEQ Class) |
| SB | 132,073,242 | 100\% of FB (PT Class) |
| SI. | 100,000,588 | 100\% of FJ (PT Class) |

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.

## Prospectus Supplement

(To REMIC Prospectus dated September 18, 1998)

# AFannieMae 

# Guaranteed REMIC Pass-Through Certificates <br> Fannie Mae REMIC Trust 2001-19 (The Group 2, 3, 4, 5 and Residual Classes Only) 

## The Certificates

We, the Federal National Mortgage Association ("Fannie Mae"), will issue the classes of certificates listed in the chart on this page.

## Payments to Certificateholders

We will make monthly payments on the certificates. You, the investor, will receive

- interest accrued on the balance of your certificate (except in the case of the accrual classes), and
- principal to the extent available for payment on your class.

We may pay principal at rates that vary from time to time. We may not pay principal to certain classes for long periods of time.

## The Fannie Mae Guaranty

We will guarantee that required payments of principal and interest on the certificates are distributed to investors on time.

## The Trust and its Assets

The trust will indirectly own

- Fannie Mae MBS and
- Ginnie Mae certificates.

The mortgage loans underlying the Fannie Mae MBS and the Ginnie Mae certificates are first lien, single-family, fixed-rate loans. In addition, the mortgage loans underlying the Ginnie Mae certificates are either insured or guaranteed by the Federal Housing Administration, the Department of Veterans Affairs or the Rural Housing Service.

Carefully consider the risk factors starting on page $\mathrm{S}-9$ of this prospectus supplement and on page 10 of the REMIC prospectus. Unless you understand and are able to tolerate these risks, you should not invest in the certificates.
You should read the REMIC prospectus as well as this prospectus supplement.
The certificates, together with interest thereon, are not guaranteed by the United States and do not constitute a debt or obligation of the United States or any agency or instrumentality thereof other than Fannie Mae.
The certificates are exempt from registration under the Securities Act of 1933 and are "exempted securities" under the Securities Exchange Act of 1934.

| Class | Group | Original Class <br> Balance | Principal Type | Interest Rate | Interest Type | CUSIP <br> Number | Final Distribution Date |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| AD (1) | 2 | \$200,800,714 | SEQ | 6.00\% | FIX | 31359SH29 | December 2025 |
| IO(1) | 2 | 28,685,816(2) | NTL | 7.00 | FIX/IO | 31359SH37 | December 2025 |
| B . | 2 | 149,199,286 | SEQ | 7.00 | FIX | 31359SH45 | May 2031 |
| PG(1) | 3 | 61,581,172 | PAC | 5.75 | FIX | 31359SH52 | January 2020 |
| PI(1) | 3 | 7,105,519(2) | NTL | 6.50 | FIX/IO | 31359SH60 | January 2020 |
| PK(1) | 3 | 35,227,538 | PAC | 5.75 | FIX | 31359SH78 | March 2024 |
| HI(1) | 3 | 4,064,715(2) | NTL | 6.50 | FIX/IO | 31359SH86 | March 2024 |
| PJ | 3 | 25,356,366 | PAC | 6.50 | FIX | 31359SH94 | June 2026 |
| PD | 3 | 50,893,600 | PAC | 6.50 | FIX | 31359S J 27 | December 2029 |
| PE | 3 | 26,482,478 | PAC | 6.50 | FIX | 31359S J 35 | May 2031 |
| LA | 3 | 42,289,000 | PAC | 6.50 | FIX | 31359S J 43 | May 2031 |
| KA | 3 | 17,723,000 | TAC | 7.00 | FIX | 31359S J 50 | January 2030 |
| KB | 3 | 5,539,000 | TAC | 7.00 | FIX | 31359S J 68 | April 2030 |
| KC | 3 | 7,566,000 | TAC | 7.00 | FIX | 31359S J 76 | August 2030 |
| KD | 3 | 5,114,000 | TAC | 7.00 | FIX | 31359S J 84 | October 2030 |
| KE | 3 | 9,120,384 | TAC | 7.00 | FIX | 31359S J 92 | May 2031 |
| FC | 3 | 2,058,823 | TAC | (3) | FLT | 31359SK25 | May 2031 |
| SC | 3 | 255,882 | TAC | (3) | INV | 31359SK 33 | May 2031 |
| SD | 3 | 185,295 | TAC | (3) | INV | 31359SK41 | May 2031 |
| KG | 3 | 1,000,000 | TAC | 7.00 | FIX | 31359SK58 | November 2011 |
| KH | 3 | 1,000,000 | TAC | 7.00 | FIX | 31359SK66 | March 2021 |
| KJ | 3 | 1,000,000 | TAC | 7.00 | FIX | 31359SK74 | April 2027 |
| KZ | 3 | 1,000,000 | TAC | 7.00 | FIX/Z | 31359SK82 | May 2031 |
| LO | 3 | 3,966,338 | TAC | (4) | PO | 31359SK90 | May 2031 |
| LZ | 3 | 2,641,124 | SUP | 6.50 | FIX/Z | 31359SL24 | May 2031 |
| FA | 4 | 100,000,000 | PT | (3) | FLT | 31359SL32 | April 2031 |
| ST(1) | 4 | 100,000,000(2) | NTL | (3) | INV/IO | 31359SL40 | April 2031 |
| SI(1) | 4 | 100,000,000(2) | NTL | (3) | INV/IO | 31359SL57 | April 2031 |
| PO(1) | 4 | 30,769,231 | PT | (4) | PO | 31359SL65 | April 2031 |
| MK | 5 | 110,000,000 | SEQ | 6.00 | FIX | 31359SN48 | January 2029 |
| VA(1) | 5 | 3,669,294 | SEQ/AD | 6.00 | FIX | 31359SN55 | August 2006 |
| VB(1) | 5 | 13,336,027 | SEQ | 6.00 | FIX | 31359SN63 | January 2018 |
| ZE(1) | 5 | 10,000,000 | SEQ | 6.00 | FIX/Z | 31359SN71 | May 2031 |
| R |  | 0 | NPR | 0 | NPR | 31359SVJ6 | May 2031 |
| RL |  | 0 | NPR | 0 | NPR | 31359SL73 | May 2031 |

(1) Exchangeable classes.
(3) Based on LIBOR.
(2) Notional balances. These classes are interest only classes.

If you own certificates of certain classes, you can exchange them for the corresponding RCR certificates to be issued at the time of the exchange. The AB, PA, PN, PQ, PL, PH, PT, PY, SA, SB, SL, SK and E Classes are the RCR classes, as further described in this prospectus supplement.

Only the classes listed in the chart above are offered by this prospectus supplement. The Group 1 Classes are offered by a separate prospectus supplement.

The dealer will offer the certificates from time to time in negotiated transactions at varying prices. We expect the settlement date for the certificates offered by this prospectus supplement to be April 27, 2001.

## Credit Suisse First Boston

## REFERENCE SHEET

This reference sheet is not a summary of the transaction and does not contain complete information about the certificates. You should purchase the certificates only after reading this prospectus supplement and each of the additional disclosure documents listed on page S-3.

## Assets Underlying Each Group of Classes

| $\frac{\text { Group }}{2}$ | Assets |
| :---: | :--- |
| 2 | Group 2 MBS |
| 3 | Group 3 MBS |
| 4 | Group 4 Ginnie Mae Certificates |
| 5 | Group 5 MBS |

## Assumed Characteristics of the Mortgage Loans Underlying the MBS and the Ginnie Mae Certificates (as of April 1, 2001)

|  | Approximate Principal Balance | $\begin{gathered} \text { Original } \\ \text { Term to } \\ \text { Maturity } \\ \text { (in months) } \\ \hline \end{gathered}$ | Approximate <br> Weighted Average <br> Remaining Term <br> to Maturity <br> or WARM <br> (in months) | Approximate <br> Weighted <br> Average <br> Loan Age <br> (in months) | Approximate Weighted Average Coupon Coupon |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Group 2 MBS | \$350,000,000 | 360 | 355 | 4 | 7.750\% |
| Group 3 MBS | \$300,000,000 | 360 | 355 | 3 | 7.250\% |
| Group 4 Ginnie Mae Certificates | \$130,769,231 | 360 | 355 | 2 | 7.250\% |
| Group 5 MBS | \$137,005,321 | 360 | 329 | 25 | 6.604\% |

The actual remaining terms to maturity, weighted average loan ages and interest rates of most of the mortgage loans will differ from the weighted averages shown above, perhaps significantly.

## Class Factors

The class factors are numbers that, when multiplied by the initial principal balance of a certificate, can be used to calculate the current principal balance of that certificate (after taking into account principal payments in the same month). We publish the class factors on or shortly after the 11th day of each month.

## Settlement Date

We expect to issue the certificates offered by this prospectus supplement on April 27, 2001.

## Distribution Dates

We will make payments on the Group 2, Group 3 and Group 5 Classes on the 25th day of each calendar month, or on the next business day if the 25th day is not a business day. We will make payments on the Group 4 Classes on the first business day following the 20th day of each calendar month, or on the 20th day if the 19th and 20th are both business days.

## Book-Entry and Physical Certificates

We will issue the book-entry certificates through the U.S. Federal Reserve Banks and DTC, as applicable, which will electronically track ownership of the certificates and payments on them. We will issue physical certificates in registered, certificated form.

We will issue the classes of certificates in the following forms:

| Fed Book-Entry | DTC Book-Entry | $\frac{\text { Physical }}{}$ |
| :---: | :---: | :---: |
| All Group 2, Group 3 and | All Group 4 Classes and the | R and RL Classes |
| Group 5 Classes and the |  |  |
| related RCR Classes |  |  |$\quad$ related RCR Classes $\quad 4$

## Exchanging Certificates Through Combination and Recombination

If you own certain certificates, you will be able to exchange them for a proportionate interest in the related RCR certificates as shown on Schedule 1. We will issue the RCR certificates upon such exchange. You can exchange your certificates by notifying us and paying an exchange fee. We use the principal and interest of the certificates exchanged to pay principal and interest on the related RCR certificates. Schedule 1 lists all of the available combinations of the certificates eligible for exchange and the related RCR certificates.

## Interest Rates

During each interest accrual period, the fixed rate classes will bear interest at the applicable annual interest rates listed on the cover of this prospectus supplement or on Schedule 1.

During the initial interest accrual period, the floating rate and inverse floating rate classes will bear interest at the initial interest rates listed below. During subsequent interest accrual periods, the floating rate and inverse floating rate classes will bear interest based on the formulas indicated below, but always subject to the specified maximum and minimum interest rates:

| Class | Initial <br> Interest <br> Rate |  | Maximum <br> Interest <br> Rate | Minimum <br> Interest <br> Rate |  |
| :--- | ---: | ---: | ---: | :---: | :---: |

(1) We will establish LIBOR on the basis of the "BBA Method."

We will apply interest payments from exchanged REMIC certificates to the corresponding RCR certificates, on a pro rata basis, following any exchange.

## Notional Classes

A notional class will not receive any principal. Its notional principal balance is the balance used to calculate accrued interest. The notional principal balances will equal the percentages of the outstanding balances specified below immediately before the related distribution date:

| Class |  |
| :---: | :---: |
| IO | $14.2857142857 \%$ of the AD Class |
| PI | $11.5384615385 \%$ of the PG Class |
| HI | $11.5384615385 \%$ of the PK Class |
| ST | 100\% of the FA Class |
| SI | 100\% of the FA Class |
| SA | $100 \%$ of the FA Class |

## Distributions of Principal

Group 2 Principal Distribution Amount
To the AD and B Classes, in that order, to zero.

## Group 3 Principal Distribution Amount

KZ Accrual Amount
To the KG, KH and KJ Classes, in that order, to zero, and thereafter to the KZ Class.

## LZ Accrual Amount

1. (a) $92.8571415708 \%$ of such amount in the following priority:
first, to the KA, KB, KC and KD Classes, in that order, to their Targeted Balances; and second, ( $x$ ) $74.3924349107 \%$ of the remaining amount to the KE, FC, SC and SD Classes, pro rata, to their Targeted Balances, and
(y) $25.6075650893 \%$ of such remaining amount to the KG, KH, KJ and KZ Classes, in that order, to their Targeted Balances, and
(b) $7.1428584292 \%$ of such amount to the LO Class to its Targeted Balance.
2. To the LZ Class.

Group 3 Cash Flow Distribution Amount

1. To the PG, PK, PJ, PD and PE Classes, in that order, to their Planned Balances.
2. To the LA Class to its Planned Balance.
3. (a) $92.8571415708 \%$ of the remaining amount as follows:
first, to the KA, KB, KC and KD Classes, in that order, to their Targeted Balances; and
second, $(x) 74.3924349107 \%$ of the remaining amount to the KE, FC, SC and SD Classes, pro rata, to their Targeted Balances, and
(y) $25.6075650893 \%$ of such remaining amount to the KG, KH, KJ and KZ Classes, in that order, to their Targeted Balances, and
(b) $7.1428584292 \%$ of such remaining amount to the LO Class to its Targeted Balance.
4. To the LZ Class to zero.
5. (a) $92.8571415708 \%$ of the remaining amount as follows:
first, to the KA, KB, KC and KD Classes, in that order, to zero; and second, $(x) 74.3924349107 \%$ of the remaining amount to the KE, FC, SC and SD Classes, pro rata, to zero, and
(y) $25.6075650893 \%$ of such remaining amount to the KG, KH, KJ and KZ Classes, in that order, to zero, and
(b) $7.1428584292 \%$ of such remaining amount to the LO Class to zero.
6. To the LA Class to zero.
7. To the PG, PK, PJ, PD and PE Classes, in that order, to zero.

## Group 4 Principal Distribution Amount

To the FA and PO Classes, pro rata, to zero.
Group 5 Principal Distribution Amount
ZE Accrual Amount
To the VA and VB Classes, in that order, to zero, and thereafter to the ZE Class.
Group 5 Cash Flow Distribution Amount
To the MK, VA, VB and ZE Classes, in that order, to zero.
We will apply principal payments from exchanged REMIC certificates to the corresponding RCR certificates, on a pro rata basis, following any exchange.

## Weighted Average Lives (years) *

| Group 2 Classes | PSA Prepayment Assumption |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | 0\% | 100\% | 317\% | 450\% | 600\% |
| $\mathrm{AD}, \mathrm{IO}$ and AB | 16.7 | 5.7 | 2.5 | 2.0 | 1.6 |
| B | 27.6 | 19.3 | 9.1 | 6.6 | 5.0 |
|  | PSA Prepayment Assumption |  |  |  |  |
| Group 3 Classes | 0\% | 100\% | 178\% | 250\% | 500\% |
| PG, PI, PA and PQ | 9.7 | 3.0 | 3.0 | 3.0 | 2.5 |
| PK, HI, PN and PH | 17.3 | 5.7 | 5.7 | 5.7 | 3.5 |
| PJ | 20.2 | 7.7 | 7.7 | 7.7 | 4.3 |
| PD | 23.0 | 11.0 | 11.0 | 11.0 | 5.9 |
| PE | 25.4 | 18.6 | 18.6 | 18.6 | 10.2 |
| PL, PT and PY | 12.5 | 4.0 | 4.0 | 4.0 | 2.9 |


|  | PSA Prepayment Assumption |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 0\% | 100\% | 140\% | 178\% | 240\% | 250\% | 500\% |
| LA | 25.3 | 10.4 | 3.0 | 3.0 | 3.0 | 3.0 | 1.7 |


|  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 0\% | 100\% | 140\% | 178\% | 193\% | 240\% | 250\% | 500\% |
| KA | 20.9 | 16.2 | 11.5 | 2.5 | 2.0 | 1.6 | 1.5 | 0.7 |
| KB | 28.1 | 20.3 | 15.4 | 6.0 | 3.9 | 2.6 | 2.4 | 1.2 |
| KC | 28.4 | 21.5 | 17.1 | 10.7 | 5.8 | 3.2 | 2.9 | 1.4 |
| KD | 28.7 | 22.7 | 18.8 | 13.7 | 10.1 | 3.9 | 3.5 | 1.5 |
| KE, FC, SC and SD | 29.1 | 24.7 | 21.7 | 17.8 | 15.7 | 8.0 | 5.0 | 1.8 |
| KG | 5.6 | 5.6 | 5.6 | 5.6 | 5.6 | 3.6 | 3.3 | 1.5 |
| KH | 13.1 | 13.1 | 13.1 | 13.0 | 12.0 | 4.9 | 4.3 | 1.7 |
| KJ | 17.9 | 17.9 | 17.9 | 15.5 | 13.6 | 5.7 | 4.9 | 1.8 |
| KZ | 29.1 | 24.7 | 21.7 | 18.5 | 16.9 | 12.9 | 6.0 | 1.9 |
| LO | 26.0 | 20.6 | 16.6 | 9.8 | 7.7 | 4.1 | 3.0 | 1.3 |
| LZ | 29.7 | 27.9 | 26.6 | 24.7 | 23.7 | 0.7 | 0.6 | 0.2 |


| Group 4 Classes | PSA Prepayment Assumption |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | 0\% | 100\% | 174\% | 350\% | 500\% |
| FA, ST, SI, PO, SA, SB, SL and SK | 20.5 | 11.5 | 8.4 | 5.0 | 3.7 |
|  | PSA Prepayment Assumption |  |  |  |  |
| Group 5 Classes | 0\% | 100\% | 164\% | 300\% | 500\% |
| MK | 18.8 | 7.3 | 5.0 | 2.9 | 1.7 |
| VA | 2.8 | 2.8 | 2.8 | 2.8 | 2.7 |
| VB | 11.6 | 11.6 | 11.0 | 8.2 | 5.2 |
| ZE | 28.9 | 22.0 | 18.9 | 13.5 | 8.7 |
| E | 28.9 | 22.0 | 18.1 | 11.7 | 7.1 |

[^8]
## Offering Circular Supplement

(To Base Offering Circular dated March 1, 2000)
\$706,620,308
Government National Mortgage Association GINNIE MAE ${ }^{\circledR}$

## Guaranteed REMIC Pass-Through Securities and MX Securities

Ginnie Mae REMIC Trust 2001-29


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-7 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 June 29, 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.

## Credit Suisse First Boston

Blaylock \& Partners, L.P.

The date of this Offering Circular Supplement is June 25, 2001.

## Ginnie Mae REMIC Trust 2001-29

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) | $\begin{gathered} \text { Interest } \\ \text { Rate } \end{gathered}$ | $\begin{gathered} \text { Principal } \\ \text { Type(3) } \end{gathered}$ | Interest <br> Type(3) | $\begin{gathered} \text { Final } \\ \text { Distribution } \\ \text { Date(4) } \\ \hline \end{gathered}$ | CUSIP <br> Number |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Group 1 |  |  |  |  |  |  |
| FA | \$220,000,000 | (5) | PT | FLT | June 2031 | 38373 R N B 1 |
| SI(1) | 220,000,000 | (5) | NTL(PT) | INV/IO | June 2031 | 38373RNC9 |
| SO(1) | 67,692,308 | 0.0 | PT | PO | June 2031 | 38373 RND 7 |
| ST | 220,000,000 | (5) | NTL(PT) | INV/IO | June 2031 | 38373 RNE 5 |
| Group 2 |  |  |  |  |  |  |
| A | \$ 50,000,000 | 6.5\% | SEQ | FIX | August 2025 | 38373 R N F 2 |
| AB | 18,082,119 | 6.5 | SEQ | FIX | December 2028 | 38373 RNG0 |
| CA(1) | 112,737,053 | 6.5 | SEQ | FIX | July 2020 | 38373RNH8 |
| CB (1) | 139,180,828 | 6.5 | SEQ | FIX | December 2028 | 38373 R N J 4 |
| VD | 9,230,558 | 6.5 | AD / SEQ | FIX | July 2006 | 38373 R NK1 |
| VG | 46,769,442 | 6.5 | AD / SEQ | FIX | January 2020 | 38373 R N L 9 |
| ZC | 24,000,000 | 6.5 | SEQ | FIX / Z | June 2031 | 38373 RNM 7 |
| Group 3 |  |  |  |  |  |  |
| DB. | \$ 1,500,000 | 6.5 | SC / SEQ | FIX | April 2009 | 38373 RNN 5 |
| DC | 1,500,000 | 6.5 | SC / SEQ | FIX | June 2011 | 38373 R N P 0 |
| DE | 1,500,000 | 6.5 | SC / SEQ | FIX | April 2013 | 38373 RNQ8 |
| DG | 1,500,000 | 6.5 | SC / SEQ | FIX | January 2015 | 38373 R N R 6 |
| DH | 2,928,000 | 6.5 | SC/SEQ | FIX | October 2017 | 38373 R N S 4 |
| Group 4 |  |  |  |  |  |  |
| KA | \$ 1,000,000 | 6.5 | SC / SEQ | FIX | January 2029 | 38373 R T T 2 |
| KB | 1,000,000 | 6.5 | SC/SEQ | FIX | January 2029 | 38373 RNU9 |
| KC | 1,000,000 | 6.5 | SC/SEQ | FIX | January 2029 | 38373 R NV7 |
| KD | 1,000,000 | 6.5 | SC/SEQ | FIX | January 2029 | 38373 RNW5 |
| KE | 1,000,000 | 6.5 | SC/SEQ | FIX | January 2029 | 38373 RNX3 |
| KG | 1,000,000 | 6.5 | SC/SEQ | FIX | January 2029 | 38373 R NY 1 |
| KH | 1,000,000 | 6.5 | SC/SEQ | FIX | January 2029 | 38373 R N Z 8 |
| KJ | 1,000,000 | 6.5 | SC/SEQ | FIX | January 2029 | 38373 R P A 1 |
| KL | 1,000,000 | 6.5 | SC/SEQ | FIX | January 2029 | 38373 R P B 9 |
| KM | 1,000,000 | 6.5 | SC / SEQ | FIX | January 2029 | 38373 R P C 7 |
| Residual |  |  |  |  |  |  |
| R | 0 | 0.0 | NPR | NPR | June 2031 | 38373 R P F 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 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: Credit Suisse First Boston Corporation
Trustee: State Street Bank and Trust Company
Tax Administrator: The Trustee
Closing Date: June 29, 2001.
Distribution Dates: The 20th day of each month or, if the 19 th day or the 20 th day is not a Business Day, the first Business Day following the 20 th day of each month, commencing in July 2001.

Trust Assets:

| Trust <br> Asset <br> Group | Trust Asset Type | Certificate Rate | Original Term <br> To Maturity <br> (in years) <br> 1 |
| :---: | :---: | :---: | :---: |
| Ginnie Mae II | $6.5 \%$ | 30 |  |
| 2 | Ginnie Mae II | $6.5 \%$ | 30 |
| 3 | Underlying Certificates | $(1)$ | $(1)$ |
| 4 | Underlying Certificates | $(1)$ | $(1)$ |

${ }^{1}$ 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 and Group 2 Trust Assets ${ }^{1}$ :


Weighted Average
Loan Age
(in months)
Weighted Average
Mortgage Rate

## Group 1 Trust Assets

| $\$ 287,692,308$ | 355 | 3 | $7.28 \%$ |
| :--- | :--- | :--- | :--- |
| Group 2 Trust Assets |  |  |  |
| $\$ 400,000,000$ | 355 | 5 | 7.28 |

${ }^{1}$ As of June 1, 2001.
${ }^{2}$ Does not include Group 1 and Group 2 Trust Assets that will be added to pay the Trustee Fee.
${ }^{3}$ The Mortgage Loans underlying the Group 1 and Group 2 Trust Assets may 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 and Group 2 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 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) | $\begin{aligned} & \text { Initial Interest } \\ & \quad \text { Rate(2) } \\ & \hline \end{aligned}$ | $\begin{gathered} \text { Minimum } \\ \text { Rate } \end{gathered}$ | $\begin{gathered} \text { Maximum } \\ \text { Rate } \\ \hline \end{gathered}$ | $\begin{gathered} \text { Delay } \\ \text { (in days) } \\ \hline \end{gathered}$ | LIBOR <br> for Minimum Interest Rate |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| FA | LIBOR + 0.30\% | 4.39\% | 0.3\% | 8.5000\% | 0 | 0.00\% |
| SB | $26.4225 \%-($ LIBOR $\times 3.25$ ) | 13.13\% | 0.0\% | 26.4225\% | 0 | 8.13\% |
| SI | 8.13\% - LIBOR | 4.04\% | 0.0\% | 8.1300\% | 0 | 8.13\% |
| ST | 8.20\% - LIBOR | 0.07\% | 0.0\% | 0.0700\% | 0 | 8.20\% |

${ }^{(1)}$ 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, the following distributions will be made to the related Securities:

## SECURITY GROUP 1

$\underset{\substack{\text { Pass- } \\ \text { Through }}}{ }\left\{\begin{array}{l}\text { The Group } 1 \text { Principal Distribution Amount will be allocated to FA and SO, pro rata, } \\ \text { until retired. }\end{array}\right.$

## 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 Accrual Amount will be allocated as follows:

```
l}\begin{array}{l}{\mathrm{ Accretion Directed}}\\{\mathrm{ and }}\\{\mathrm{ Accrual }}\end{array}{ | The Accrual Amount to VD and VG, in that order, until retired, and then to ZC
Accrual
```

- The Group 2 Adjusted Principal Distribution Amount in the following order of priority:
${\underset{P}{\text { Sequential }}}_{\text {Pay }}\left\{\begin{array}{l}\text { 1. Concurrently, } \\ \text { (a) } 21.2756621875 \% \text { to A and } \mathrm{AB} \text {, in that order, until retired } \\ \text { (b) } 78.7243378125 \% \text { to CA and CB, in that order, until retired } \\ \text { 2. To VD, VG and ZC, in that order, until retired }\end{array}\right.$


## SECURITY GROUP 3

Structured
Collateral/
sequential $\left\{\begin{array}{c}\text { The Group } 3 \text { Principal Distribution Amount will be allocated to DB, DC, DE, DG }\end{array}\right.$ $\left.\begin{array}{l}\text { Sequential } \\ \text { Pay }\end{array}\right\}$ and DH , in that order, until retired

## SECURITY GROUP 4

Structured
Structured
Collateral/
Sequential
Pay
The Group 4 Principal Distribution Amount will be allocated to KA, KB, KC, KD, $\mathrm{KE}, \mathrm{KG}, \mathrm{KH}, \mathrm{KJ}, \mathrm{KL}$ and KM, in that order, until retired

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 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 |
| :---: | :---: | :---: |
| SI and ST | \$220,000,000 | 100\% of FA (PT Class) |

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 of REMIC Securities are Regular Classes.

## Offering Circular Supplement

(To Base Offering Circular dated January 1, 2002)

## \$414,613,209

## Government National Mortgage Association

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 $\mathrm{S}-7$ which highlights some of these risks.

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

Guaranteed REMIC Pass-Through Securities
and MX Securities
Ginnie Mae REMIC Trust 2002-17


## 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 28, 2002.

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.

## Credit Suisse First Boston

Blaylock \& Partners, L.P.
The date of this Offering Circular Supplement is March 20, 2002.

## Ginnie Mae REMIC Trust 2002-17

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 | $\underset{\text { Principal }}{\text { Original }}$ Balance(2) | Interest Rate | $\begin{aligned} & \begin{array}{l} \text { Principal } \\ \text { Type(3) } \end{array} \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { Interest } \\ & \text { Type(3) } \\ & \hline \end{aligned}$ | $\begin{gathered} \text { Final } \\ \text { Distribution } \\ \text { Date(4) } \\ \hline \end{gathered}$ | CUSIP <br> Number |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Security Group 1 |  |  |  |  |  |  |
| A | \$ 75,000,000 | 6.0\% | SEQ | FIX | August 2025 | 38373WFF0 |
| AB | 17,334,115 | 6.0 | SEQ | FIX | August 2029 | 38373WFG8 |
| AJ | 1,014,000 | 6.0 | SEQ | FIX | May 2026 | 38373WFH6 |
| AK | 1,824,000 | 6.0 | SEQ | FIX | August 2027 | 38373WFJ2 |
| AL | 1,026,000 | 6.0 | SEQ | FIX | April 2028 | 38373WFK9 |
| AM | 2,136,000 | 6.0 | SEQ | FIX | August 2029 | $38373 W F L 7$ |
| B | 4,125,683 | 6.0 | SEQ | FIX | March 2032 | 38373WFM5 |
| BQ (1) | 5,614,949 | 6.0 | SEQ | FIX | August 2030 | 38373WFN3 |
| BU (1) | 10,000,000 | 6.0 | SEQ | FIX | March 2032 | 38373WFP8 |
| NA | 9,500,000 | 6.0 | SEQ | FIX | March 2030 | 38373WFQ6 |
| NB | 4,000,000 | 6.0 | SEQ | FIX | September 2031 | 38373WFR4 |
| NC | 1,500,000 | 6.0 | SEQ | FIX | March 2032 | $38373 W F 52$ |
| Security Group 2 |  |  |  |  |  |  |
| GA | 2,960,000 | 8.5 | SEQ | FIX | November 2028 | 38373WFT0 |
| GB | 3,680,000 | 6.0 | SEQ | FIX | March 2017 | 38373WFU7 |
| GC | 2,500,000 | 6.0 | SEQ | FIX | January 2022 | 38373 WFV5 |
| GD | 1,500,000 | 6.0 | SEQ | FIX | March 2024 | 38373WFW3 |
| GE | 3,200,000 | 6.0 | SEQ | FIX | December 2027 | 38373WFX1 |
| GH | 960,000 | 6.0 | SEQ | FIX | November 2028 | 38373WFY9 |
| GK | 1,000,000 | 6.5 | SEQ | FIX | August 2029 | 38373WFZ6 |
| GL | 1,500,000 | 6.5 | SEQ | FIX | August 2030 | 38373WGA0 |
| GM | 1,400,000 | 6.5 | SEQ | FIX | June 2031 | 38373WGB8 |
| GN | 1,300,000 | 6.5 | SEQ | FIX | March 2032 | 38373WGC6 |
| Security Group 3 |  |  |  |  |  |  |
| FK | 200,000,000 | (5) | PT | FLT | March 2032 | 38373WGD4 |
| KO (1) | 61,538,462 | 0.0 | PT | PO | March 2032 | 38373WGE2 |
| SL(1) | 200,000,000 | (5) | NTL (PT) | INV/IO | March 2032 | 38373WGF9 |
| Residual |  |  |  |  |  |  |
| R. . | 0 | 0.0 | NPR | NPR | March 2032 | 38373 WGG7 |

(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 the 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 the 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: Credit Suisse First Boston Corporation
Trustee: State Street Bank and Trust Company
Tax Administrator: The Trustee
Closing Date: March 28, 2002
Distribution Date: The 20th day of each month or, if the 20th day is not a Business Day, the first Business Day thereafter, commencing in April 2002.

Trust Assets:

| Trust <br> Asset <br> Group | $\underline{\text { Trust Asset Type }}$ | Certificate Rate | Original Term <br> To Maturity <br> (in years) |
| :---: | :---: | :---: | :---: |
| 1 | Ginnie Mae II | $6.0 \%$ | 30 |
| 2 | Ginnie Mae II | 6.5 | 30 |
| 3 | Ginnie Mae II | 6.5 | 30 |

Security Groups: This series of Securities consists of multiple Security Groups (each a "Group"), as shown on the inside front cover of this Supplement and on Schedule I to this Supplement. Payments on each 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 ${ }^{1}$ :

| Principal Balance ${ }^{2}$ | Weighted Average Remaining Term to Maturity (in months) | Weighted Average Loan Age (in months) | Weighted Average Mortgage Rate ${ }^{3}$ |
| :---: | :---: | :---: | :---: |
| Group 1 Trust Assets |  |  |  |
| \$133,074,747 | 356 | 3 | 6.800\% |
| Group 2 Trust Assets |  |  |  |
| \$ 20,000,000 | 354 | 3 | 7.258\% |
| Group 3 Trust Assets |  |  |  |
| \$261,538,462 | 358 | 1 | 7.250\% |
| ${ }^{1}$ As of March 1, 2002. |  |  |  |
| ${ }^{2}$ Does not include Trust Assets that will be added to pay the Trustee Fee. |  |  |  |
| ${ }^{3}$ The Mortgage Loans underlying the Trust Assets may 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 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.

Issuance of Securities: The Securities, other than the Residual Securities, will initially be issued in book-entry form through the book-entry system of the U.S. Federal Reserve Banks (the "Fedwire Book-Entry System"). The Residual Securities will be issued in fully registered, certificated form. See "Description of the Securities - Form of Securities" 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 Class or an 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) | $\begin{gathered} \text { Minimum } \\ \text { Rate } \end{gathered}$ | $\begin{gathered} \text { Maximum } \\ \text { Rate } \end{gathered}$ | $\begin{gathered} \text { Delay } \\ \text { (in days) } \\ \hline \end{gathered}$ | LIBOR for Minimum Interest Rate |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| FK | LIBOR + 0.55\% | 2.400\% | 0.55\% | 8.5000\% | 0 | 0.00\% |
| SK | $25.8375 \%$ - (LIBOR $\times 3.25$ ) | 19.825\% | 0.00\% | 25.8375\% | 0 | 7.95\% |
| SL | 7.95\% - LIBOR | 6.100\% | 0.00\% | 7.9500\% | 0 | 7.95\% |

(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 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") will be allocated in the following order of priority:

1. To A, until retired
2. Concurrently:
a. $25.8287823449 \%$ to NA, NB and NC, in that order, until retired
b. $74.1712176551 \%$ as follows:
i. Concurrently:
(a) $74.2865756854 \%$ to AB , until retired
(b) $25.7134243146 \%$ to $\mathrm{AJ}, \mathrm{AK}, \mathrm{AL}$ and AM , in that order, until retired
ii. Concurrently:
(a) $20.8994473936 \%$ to B, until retired
(b) $79.1005526064 \%$ to BQ and BU , in that order, 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") will be allocated in the following order of priority:

1. Concurrently:
a. $20.0 \%$ to GA, until retired
b. $80.0 \%$ to GB, GC, GD, GE and GH, in that order, until retired
2. To GK, GL, GM and GN, in that order, 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 to FK and KO, pro rata, until retired.

Notional Class: The Notional Class will not receive distributions of principal but has a Class Notional Balance for convenience in describing its entitlement to interest. The Class Notional Balance of the Notional Class represents the percentage indicated below of, and reduces to that extent with, the Class Principal Balances indicated:
Class

SL $\ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots$$\frac{$|  Original Class  |
| :---: |
|  Notional Balance  |}{$\$ 200,000,000$}$\quad 100 \%$ of FK (PT Class)

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 of REMIC Securities are Regular Classes.

# \$360,000,000 <br> Government National Mortgage Association 



GINNIE MAE ${ }^{\circledR}$<br>Guaranteed REMIC Pass-Through Securities and MX Securities<br>Ginnie Mae REMIC Trust 2002-54



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-7 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 August 29, 2002.

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.

## JPMorgan

## Utendahl Capital Partners, L.P.

The date of this Offering Circular Supplement is August 22, 2002.

## Ginnie Mae REMIC Trust 2002-54

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 | $\begin{aligned} & \text { Principal } \\ & \text { Type(3) } \end{aligned}$ | Interest Type(3) | $\begin{gathered} \text { Final Distribution } \\ \text { Date(4) } \\ \hline \end{gathered}$ | $\underset{\text { Number }}{\text { CUSIP }}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Security Group 1 |  |  |  |  |  |  |
| FA | \$95,833,000 | (5) | SEQ | FLT | November 2029 | 38373 VBY5 |
| GA | 19,679,923 | 6.5 \% | SEQ | FIX | July 2031 | 38373 VBZ2 |
| GB | 15,000,000 | 6.5 | SEQ | FIX | August 2032 | 38373 VCA6 |
| PO(1) | 29,487,077 | 0.0 | SEQ | PO | November 2029 | 38373 VCB 4 |
| SA (1) | 95,833,000 | (5) | NTL (SEQ) | INV/IO | November 2029 | $38373 V C C 2$ |
| Security Group 2 |  |  |  |  |  |  |
| BA | 31,812,000 | 4.0 | PAC | FIX | March 2023 | 38373 VCD0 |
| BC | 28,267,000 | 5.0 | PAC | FIX | April 2026 | 38373 VCE8 |
| BE | 27,409,000 | 6.0 | PAC | FIX | April 2030 | 38373 VCF 5 |
| BH (1) | 21,039,000 | 5.0 | PAC | FIX | February 2028 | 38373 VCG3 |
| DA | 27,778,000 | 6.0 | TAC | FIX | February 2029 | 38373 VCH1 |
| DB | 15,888,000 | 6.0 | TAC | FIX | April 2030 | 38373 V C J 7 |
| DC | 11,140,000 | 6.0 | SUP | FIX | April 2030 | 38373 VCK4 |
| IC (1) | 15,315,166 | 6.0 | NTL (PAC) | FIX / IO | April 2026 | 38373 V C L 2 |
| IE (1) | 3,506,500 | 6.0 | NTL (PAC) | FIX/IO | February 2028 | 38373 VCM0 |
| VA | 11,667,000 | 6.0 | AD / SEQ | FIX | April 2012 | 38373 VCN8 |
| VB | 10,000,000 | 6.0 | SEQ / AD | FIX | August 2017 | 38373 VCP 3 |
| ZB | 15,000,000 | 6.0 | SEQ | FIX / Z | August 2032 | 38373 VCQ1 |
| Residual |  |  |  |  |  |  |
| RR | 0 | 0.0 | NPR | NPR | August 2032 | 38373 VCR 9 |

(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: JPMorgan Securities Inc.
Trustee: State Street Bank and Trust Company
Tax Administrator: The Trustee
Closing Date: August 29, 2002
Distribution Date: The 20th day of each month or, if the 20th day is not a Business Day, the first Business Day thereafter, commencing in September 2002.

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 | $6.5 \%$ | 30 |
| 2 | Ginnie Mae II | $6.0 \%$ | 30 |

Security Groups: This series of Securities consists of multiple Security Groups (each, a "Group"), as shown on the inside front cover of this Supplement and on Schedule I to this Supplement. Payments on each 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 ${ }^{\mathbf{1}}$ :

${ }^{1}$ As of August 1, 2002.
${ }^{2}$ Does not include Trust Assets that will be added to pay the Trustee Fee.
${ }^{3}$ The Mortgage Loans underlying the Trust Assets may 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 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.

Issuance of Securities: The Securities, other than the Residual Securities, will initially be issued in book-entry form through the book-entry system of the U.S. Federal Reserve Banks (the "Fedwire Book-Entry System"). The Residual Securities will be issued in fully registered, certificated form. See "Description of the Securities - Form of Securities" 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 <br> Interest <br> Rate(2) | Minimum | $\begin{gathered} \text { Maximum } \\ \text { Rate } \\ \hline \end{gathered}$ | $\begin{gathered} \text { Delay } \\ \text { (in days) } \\ \hline \end{gathered}$ | LIBOR <br> for Minimum Interest Rate |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| FA | LIBOR + 0.35\% | 2.19000\% | 0.35\% | 8.500000\% | 0 | 0.00\% |
| SA | 8.15\% - LIBOR | 6.31000\% | 0.00\% | 8.150000\% | 0 | 8.15\% |
| SB | $26.4875 \%-($ LIBOR $\times 3.25)$ | 20.50750\% | 0.00\% | 26.487500\% | 0 | 8.15\% |
| SC | 19.56\% - (LIBOR $\times 2.40$ ) | 15.14400\% | 0.00\% | 19.560000\% | 0 | 8.15\% |
| SD | $14.941664 \%-($ LIBOR $\times 1.833333)$ | 11.56833\% | 0.00\% | 14.941664\% | 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, the following distributions will be made to the related Securities:

## SECURITY GROUP 1

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

1. Concurrently, to FA and PO, pro rata, until retired
2. Sequentially, to GA and GB, in that order, until retired

## SECURITY GROUP 2

A percentage of the Group 2 Principal Distribution Amount may 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 Accrual Amount will be allocated as follows:

- The Accrual Amount in the following order of priority:

1. Sequentially, to VA and VB , in that order, until retired
2. To ZB, until retired

- The Group 2 Adjusted Principal Distribution Amount in the following order of priority:

1. Sequentially, to $\mathrm{BA}, \mathrm{BC}, \mathrm{BH}$ and BE , in that order, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date
2. Sequentially, to DA and DB , in that order, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date
3. To DC, until retired
4. Sequentially, to DA and DB , in that order, without regard to their Aggregate Scheduled Principal Balances, until retired
5. Sequentially, to $\mathrm{BA}, \mathrm{BC}, \mathrm{BH}$ and BE , in that order, without regard to their Aggregate Scheduled Principal Balances, until retired
6. Sequentially, to VA, VB and ZB, in that order, until retired

Scheduled Principal Balances: The Aggregate Scheduled Principal Balances for the Classes listed below are included in Schedule II to this Supplement. They were calculated using the following Structuring Range or Rate:

| Class | Structuring Range or Rate |
| :---: | :---: |
| $\mathrm{BA}, \mathrm{BC}, \mathrm{BE}$ and BH (in the aggregate) | 115\% PSA through 265\% PSA |
| DA and DB (in the aggregate) | 225\% PSA |

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 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 | Approximate Original Class Notional Balance | Represents Approximately |
| :---: | :---: | :---: |
| IC | \$10,604,000 | $33.3333333333 \%$ of BA (PAC Class) <br> $16.6666666667 \%$ of BC (PAC Class) |
|  | 4,711,166 |  |
|  | \$15,315,166 |  |
| ID | \$10,604,000 | $33.3333333333 \%$ of BA (PAC Class) 16.6666666667\% of BC (PAC Class) $8.3333333333 \%$ of BH (PAC Class) |
|  | 4,711,166 |  |
|  | 1,753,250 |  |
|  | \$17,068,416 |  |
| IE | \$ 3,506,500 | 16.6666666667\% of BH (PAC Class) |
| IG | \$10,604,000 | $33.33333333333 \%$ of BA (PAC Class) |
|  | 4,711,166 | 16.6666666667\% of BC (PAC Class) |
|  | 3,506,500 | 16.6666666667\% of BH (PAC Class) |
|  | \$18,821,666 |  |
| SA | \$95,833,000 | 100\% of FA (SEQ Class) |

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 Interest of the Issuing REMIC and the Pooling REMIC; all other Classes of REMIC Securities are Regular Classes.


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-7 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 February 28, 2002.

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.

Merrill Lynch \& Co.
Utendahl Capital Partner, L.P.

The date of this Offering Circular Supplement is February 21, 2002.

## Ginnie Mae REMIC Trust 2002-10

The Trust will issue the classes of securities listed in the table below.

| Class of REMIC Securities | $\begin{gathered} \text { Original } \\ \text { Principal } \\ \text { Balance(1) } \end{gathered}$ | Interest Rate | Principal Type(2) | Interest <br> Type (2) | $\begin{gathered} \text { Final } \\ \text { Distribution } \\ \text { Date(3) } \end{gathered}$ | $\begin{aligned} & \text { CUSIP } \\ & \text { Number } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| A | \$23,221,078 | 6.5\% | SCH | FIX | September 2029 | 38373 T2D6 |
| FA | 40,983,944 | (4) | SUP | FLT | February 2032 | 38373 T2E4 |
| IB | 4,069,377 | 6.5 | NTL(PAC) | FIX/IO | March 2025 | 38373 T2F1 |
| IC | 2,692,307 | 6.5 | NTL(PAC) | FIX/IO | February 2028 | 38373 T 2 G 9 |
| IG | 758,151 | 6.5 | NTL(PAC) | FIX/IO | February 2032 | 38373 T 2 H 7 |
| PA | 15,030,904 | 6.5 | PAC | FIX | November 2020 | 38373 T2J3 |
| PC | 35,000,000 | 6.0 | PAC | FIX | February 2028 | 38373T2K0 |
| PD | 13,034,802 | 6.5 | PAC | FIX | February 2028 | 38373 T2L8 |
| PE | 72,094,000 | 6.5 | PAC | FIX | July 2031 | 38373 T 2 M 6 |
| PK | 52,901,907 | 6.0 | PAC | FIX | March 2025 | 38373 T 2 N 4 |
| PL | 16,426,617 | 6.2 | PAC | FIX | February 2032 | $38373 \mathrm{~T} 2 \mathrm{P9}$ |
| SA | 15,763,056 | (4) | SUP | INV | February 2032 | 38373 T 2 Q 7 |
| Z | 5,805,231 | 6.5 | SCH | FIX / Z | September 2029 | 38373 T2R5 |
| Residual |  |  |  |  |  |  |
| RR | 0 | 0.0 | NPR | NPR | February 2032 | 38373 T 2 S 3 |

(1) 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.
(2) 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.
(3) See "Yield, Maturity and Prepayment Considerations - Final Distribution Date" in this Supplement.
(4) 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: Merrill Lynch, Pierce, Fenner \& Smith Incorporated
Trustee: State Street Bank and Trust Company
Tax Administrator: The Trustee
Closing Date: February 28, 2002
Distribution Dates: The 20th day of each month or, if the 20th day is not a Business Day, the first Business Day thereafter, commencing in March 2002.

Trust Assets:

| Trust Asset Type | Certificate <br> Rate | $6.5 \%$ |
| :--- | :---: | :---: | | Original Term <br> To Maturity <br> (in years) |
| :---: |
| Ginnie Mae II |

Assumed Characteristics of the Mortgage Loans Underlying the Trust Assets(1):

| Principal <br> Balance(2) | Weighted Average <br> Remaining Term to <br> Maturity (in months) | Weighted Average <br> Loan Age <br> (in months) | Weighted <br> Average |
| :---: | :---: | :---: | :---: |
| $\$ 290,261,539$ | 356 | 3 |  |
| Mortgage Rate(3) |  |  |  |

(1) As of February 1, 2002.
${ }^{(2)}$ Does not include Trust Assets that will be added to pay the Trustee Fee.
(3) The Mortgage Loans underlying the Trust Assets may 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 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.

Issuance of Securities: The Securities, other than the Residual Securities, will initially be issued in book-entry form through the book-entry system of the U.S. Federal Reserve Banks (the "Fedwire Book-Entry System"). The Residual Securities will be issued in fully registered, certificated form. See "Description of the Securities - Form of Securities" in this Supplement.

Increased Minimum Denomination Classes: Each Class that constitutes an 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.

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 <br> Interest <br> Rate(2) | $\begin{gathered} \text { Minimum } \\ \text { Rate } \end{gathered}$ | $\begin{gathered} \text { Maximum } \\ \text { Rate } \end{gathered}$ | $\begin{gathered} \text { Delay } \\ \text { (in days) } \\ \hline \end{gathered}$ | LIBOR For Minimum Interest Rate |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| FA | LIBOR + 1.20\% | 2.95\% | 1.2\% | 9.00\% | 0 | 0.0000\% |
| SA | 20.28\% - (LIBOR $\times 2.60$ ) | 15.73\% | 0.0\% | 20.28\% | 0 | 7.8000\% |

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

- The Accrual Amount in the following order of priority:

1. Sequentially, to $A$ and $Z$, in that order, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date
2. To $Z$, until retired.

- The Adjusted Principal Distribution Amount in the following order of priority:

1. To the PAC Classes, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date, as follows:
a. Sequentially, to PA and PK , in that order, until retired
b. Concurrently, to PC and PD, pro rata, until retired
c. Sequentially, to PE and PL, in that order, until retired
2. Sequentially, to A and $Z$, in that order, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date
3. Sequentially, to Z and A , in that order, without regard to their Aggregate Scheduled Principal Balance, until retired
4. Concurrently, to FA and SA, pro rata, until retired
5. To the PAC Classes, in that manner and order of priority described in Step 1, but without regard to their Aggregate Scheduled Principal Balance, until retired.

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

| Class | Structuring Range or Rate |
| :---: | :---: |
| PA, PC, PD, PE, PK and PL (in the aggregate) | 100\% PSA through 250\% PSA |
| A and Z (in the aggregate) | 250\% PSA |

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 and unpaid on the Accrual Class on each Distribution Date will constitute the 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 Balances indicated:

| Class | Approximate Original Class Notional Balance Notional Balance | Represents Approximately |
| :---: | :---: | :---: |
| IB | \$4,069,377 | 7.6923076923\% of PK (PAC Class) |
| IC | 2,692,307 | $7.6923076923 \%$ of PC (PAC Class) |
| IG | 758,151 | 4.6153846154\% of PL (PAC Class) |

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 RR is a Residual Class and includes the Residual Interest of each of the Issuing REMIC and the Pooling REMIC; all other Classes of REMIC Securities are Regular Classes.

## Offering Circular Supplement

(To Base Offering Circular dated January 1, 2002)

$$
\$ 302,421,513
$$

Government National Mortgage Association GINNIE MAE ${ }^{\circledR}$

Guaranteed REMIC Pass-Through Securities and MX Securities
Ginnie Mae REMIC Trust 2002-14


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-6 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 February 28, 2002.

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.

## Ginnie Mae REMIC Trust 2002-14

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 | $\begin{gathered} \text { Original } \\ \text { Principal } \\ \text { Balance(2) } \end{gathered}$ | Interest Rate | $\begin{aligned} & \text { Principal } \\ & \text { Type(3) } \end{aligned}$ | $\begin{aligned} & \text { Interest } \\ & \text { Type(3) } \end{aligned}$ | Final Distribution Date(4) | $\begin{aligned} & \text { CUSIP } \\ & \text { Number } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Security Group 1 |  |  |  |  |  |  |
| FJ (1) | \$150,000,000 | (5) | PT | FLT | February 2032 | 38373WDU9 |
| SJ (1) | 46,153,846 | (5) | PT | INV | February 2032 | 38373WDV7 |
| Security Group <br> 2 |  |  |  |  |  |  |
| AC | 100,000,000 | 6.5\% | SEQ | FIX | June 2031 | 38373WDW5 |
| AE (1) | 5,267,667 | 6.5 | SEQ | FIX | January 2032 | 38373WDX3 |
| AG (1) | 1,000,000 | 6.5 | SEQ | FIX | February 2032 | 38373WDY1 |
| Residual |  |  |  |  |  |  |
| R | 0 | 0.0 | NPR | NPR | February 2032 | 38373WDZ8 |

(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.
(3) As defined under "Class Types" in Appendix I to the Base Offering Circular.
(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: Goldman, Sachs \& Co.
Trustee: Bank One Trust Company, N.A.
Tax Administrator: The Trustee
Closing Date: February 28, 2002
Distribution Dates: The 20th day of each month or, if the 20th day is not a Business Day, the first Business Day thereafter, commencing in March 2002.

## Trust Assets:

| Trust Asset <br> Group | $\underline{\text { Trust Asset Type }}$ | Certificate Rate |  |
| :---: | :---: | :---: | :---: | | Original Term <br> To Maturity <br> (in years) |
| :---: |
| 1 |

Security Groups: This series of Securities consists of multiple Security Groups (each, a "Group"), as shown on the inside front cover of this Supplement and on Schedule I to this Supplement. Payments on each 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 ${ }^{1}$ :


${ }^{1}$ As of February 1, 2002.
${ }^{2}$ Does not include Trust Assets that will be added to pay the Trustee Fee.
${ }^{3}$ The Mortgage Loans underlying the Trust Assets may 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 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.

Issuance of Securities: The Securities, other than the Residual Securities, will initially be issued in book-entry form through the book-entry system of the U.S. Federal Reserve Banks (the "Fedwire Book-Entry System"). The Residual Securities will be issued in fully registered, certificated form. See "Description of the Securities - Form of Securities" 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 Class: The Class that constitutes an 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) | $\underset{\text { Rate }}{\text { Minimum }}$ | Maximum Rate | $\begin{gathered} \text { Delay } \\ \text { (in days) } \\ \hline \end{gathered}$ | LIBOR <br> for Minimum Interest Rate |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| FJ | LIBOR + 0.60\% | 2.360\% | 0.6\% | 8.500\% | 0 | 0.0\% |
| SJ | 25.675\% - (LIBOR $\times 3.25$ ) | 19.955\% | 0.0\% | 25.675\% | 0 | 7.9\% |

(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, the following distributions will be made to the related Securities:

## SECURITY GROUP 1

A percentage of the Group 1 Principal Distribution Amount may be applied to the Trustee Fee, and the remainder of the Group 1 Principal Distribution Amount (the "Group 1 Adjusted Principal Distribution Amount") will be allocated concurrently, to FJ and SJ, pro rata, until retired.

## SECURITY GROUP 2

A percentage of the Group 2 Principal Distribution Amount may be applied to the Trustee Fee, and the remainder of the Group 2 Principal Distribution Amount (the "Group 2 Adjusted Principal Distribution Amount") will be allocated sequentially, to AC, AE and AG, in that order, until retired.

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 of REMIC Securities are Regular Classes.

## Offering Circular Supplement

(To Base Offering Circular dated January 1, 2002)

## \$525,000,000

Government National Mortgage Association GINNIE MAE ${ }^{\circledR}$

## Guaranteed REMIC Pass-Through Securities and MX Securities

Ginnie Mae REMIC Trust 2002-59

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 August 29, 2002.

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.

Banc of America Securities LLC
Blaylock \& Partners, L.P.

The date of this Offering Circular Supplement is August 22, 2002.

## Ginnie Mae REMIC Trust 2002-59

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 | $\begin{gathered} \text { Original } \\ \text { Principal } \\ \text { Balance(2) } \end{gathered}$ | Interest Rate | $\begin{aligned} & \text { Principal } \\ & \text { Type(3) } \end{aligned}$ | Interest <br> Type(3) | $\begin{gathered} \text { Final } \\ \text { Distribution } \\ \text { Date(4) } \\ \hline \end{gathered}$ | $\begin{gathered} \text { CUSIP } \\ \text { Number } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| BD (1) | \$ 65,842,000 | 6.00\% | PAC | FIX | October 2028 | 38373 VAA8 |
| BE | 36,794,000 | 6.00 | PAC | FIX | October 2029 | 38373 VAB6 |
| BG | 72,965,000 | 6.00 | PAC | FIX | September 2031 | 38373 VAC 4 |
| BI | 17,778,458 | 6.00 | NTL (PAC) | FIX / IO | July 2026 | 38373 VAD 2 |
| BN(1) | 63,575,000 | 5.00 | PAC | FIX | May 2024 | 38373 VAE 0 |
| BT(1) | 57,461,000 | 5.25 | PAC | FIX | July 2026 | 38373 VAF 7 |
| BZ | 26,864,000 | 6.00 | SUP | FIX / Z | September 2031 | 38373 VAG5 |
| CA | 23,435,000 | 6.00 | SEQ | FIX | June 2032 | 38373 VAH3 |
| CB | 5,569,000 | 6.00 | SEQ | FIX | August 2032 | 38373 V AJ 9 |
| CD | 2,250,000 | 6.00 | SEQ | FIX | August 2032 | 38373VAK6 |
| CE | 1,443,000 | 6.00 | SEQ | FIX | November 2031 | 38373 VAL4 |
| CG | 2,350,000 | 6.00 | SEQ | FIX | March 2032 | 38373 VAM2 |
| CH | 2,836,000 | 6.00 | SEQ | FIX | July 2032 | 38373 VAN0 |
| CJ | 1,297,000 | 6.00 | SEQ | FIX | August 2032 | 38373 VAP5 |
| FA(1) | 114,578,118 | (5) | TAC / AD | FLT | September 2031 | 38373 VAQ3 |
| SC(1) | 17,067,364 | (5) | TAC/AD | INV | August 2029 | 38373 VAR1 |
| SD (1) | 17,067,364 | (5) | TAC/AD | INV | September 2031 | 38373 VAS 9 |
| SE (1) | 6,803,077 | (5) | TAC/AD | INV | August 2029 | 38373 VAT7 |
| SF (1) | 6,803,077 | (5) | TAC/AD | INV | September 2031 | 38373 VAU4 |
| Residual |  |  |  |  |  |  |
| RR | 0 | 0.00 | NPR | NPR | August 2032 | 38373 VAV2 |

[^9]
## 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: Banc of America Securities LLC
Trustee: State Street Bank and Trust Company
Tax Administrator: The Trustee
Closing Date: August 29, 2002
Distribution Date: The 20th day of each month or, if the 20th day is not a Business Day, the first Business Day thereafter, commencing in September 2002.

## Trust Assets:

| Trust Asset Type | $\frac{\text { Certificate Rate }}{\text { Ginnie Mae II }}$ | $6.0 \%$ |
| :--- | :---: | :---: | | Original Term <br> To Maturity <br> (in years) |
| :---: |
| 30 |


\section*{Assumed Characteristics of the Mortgage Loans Underlying the Trust Assets ${ }^{\mathbf{1}}$ : <br> | Principal <br> Balance $^{2}$ | Weighted Average <br> Remaining Term to <br> Maturity (in months) | Weighted Average <br> Loan Age <br> (in months) | Weighted <br> Average |
| :---: | :---: | :---: | :---: |
| $\$ 525,000,000$ | 340 | 18 | $\frac{18}{\text { Mortgage Rate }^{3}}$ |}

${ }^{1}$ As of August 1, 2002.
${ }^{2}$ Does not include Trust Assets that will be added to pay the Trustee Fee.
${ }^{3}$ The Mortgage Loans underlying the Trust Assets may bear interest at rates ranging from $0.5 \%$ to $1.5 \%$ per annum above the Certificate Rate.

The actual remaining terms to maturity, loan ages and 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.

Issuance of Securities: The Securities, other than the Residual Securities, will initially be issued in book-entry form through the book-entry system of the U.S. Federal Reserve Banks (the "Fedwire Book-Entry System"). The Residual Securities will be issued in fully registered, certificated form. See "Description of the Securities - Form of Securities" 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 an 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 | $\begin{gathered} \text { Maximum } \\ \text { Rate } \end{gathered}$ | $\begin{gathered} \text { Delay } \\ \text { (in days) } \\ \hline \end{gathered}$ | LIBOR <br> for Minimum Interest Rate |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| FA | LIBOR + 0.55\% | 2.35\% | 0.55\% | 8.50\% | 0 | 0.00\% |
| SA | 19.08\% - (LIBOR $\times 2.40$ ) | 14.76\% | 0.00\% | 19.08\% | 0 | 7.95\% |
| SB | $23.496505 \%$ - (LIBOR $\times 3.3566437$ ) | 17.454546\% | 0.00\% | 23.496505\% | 0 | 7.00\% |
| SC | 23.496505\% - (LIBOR $\times 3.3566437$ ) | 17.454546\% | 0.00\% | 23.496505\% | 0 | 7.00\% |
| SD | $23.496505 \%-($ LIBOR $\times 3.3566437)$ | 17.454546\% | 0.00\% | 23.496505\% | 0 | 7.00\% |
| SE | 66.947356\% - (LIBOR $\times 8.4210511$ ) | 8.00\% | 0.00\% | 8.00\% | 0 | 7.95\% |
| SF | 66.947356\% - (LIBOR $\times 8.4210511$ ) | 8.00\% | 0.00\% | 8.00\% | 0 | 7.95\% |
| SG | 19.08\% - (LIBOR $\times 2.40$ ) | 14.76\% | 0.00\% | 19.08\% | 0 | 7.95\% |
| SH | 19.08\% - (LIBOR $\times 2.40$ ) | 14.76\% | 0.00\% | 19.08\% | 0 | 7.95\% |
| ST | 66.947356\% - (LIBOR $\times 8.4210511$ ) | 8.00\% | 0.00\% | 8.00\% | 0 | 7.95\% |

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

- The Accrual Amount in the following order of priority:

1. To the TAC Classes, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date, as follows:
a. $70.5882355116 \%$ to FA , until retired
b. $29.4117644884 \%$ as follows:
(i) To SC and SE, pro rata, until retired
(ii) To SD and SF, pro rata, until retired
2. To BZ, until retired

- The Adjusted Principal Distribution Amount in the following order of priority:

1. Beginning in October 2003, to BN, BT, BD, BE and BG, in that order, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date
2. To the TAC Classes, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date, as follows:
a. $70.5882355116 \%$ to FA, until retired
b. $29.4117644884 \%$ as follows:
(i) To SC and SE, pro rata, until retired
(ii) To SD and SF, pro rata, until retired
3. To BZ, until retired
4. To the TAC Classes, in the manner and order of priority described in Step 2, but without regard to their Aggregate Scheduled Principal Balance, until retired
5. To $\mathrm{BN}, \mathrm{BT}, \mathrm{BD}, \mathrm{BE}$ and BG , in that order, but without regard to their Aggregate Scheduled Principal Balance, until retired
6. Concurrently:
a. $74.0275650842 \%$ to CA and CB, in that order, until retired
b. $20.2297090352 \%$ to $\mathrm{CE}, \mathrm{CG}, \mathrm{CH}$ and CJ, in that order, until retired
c. $5.7427258806 \%$ to CD , until retired

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

| Classes | Structuring Range or Rate |
| :---: | :---: |
| $\mathrm{BD}, \mathrm{BE}, \mathrm{BG}, \mathrm{BN}$ and BT (in the aggregate) | 100\% PSA through 250\% PSA |
| FA, SC, SD, SE and SF (in the aggregate) | 150\% PSA |

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 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:

| $\underline{\text { Class }}$ | Original Class Notional Balance | Represents Approximately |
| :---: | :---: | :---: |
| BI | \$10,595,833 | $16.6666666667 \%$ of BN (PAC Class) |
|  | 7,182,625 | 12.5\% of BT (PAC Class) |
|  | $\underline{\$ 17,778,458}$ |  |
| DI | \$21,947,333 | $33.3333333333 \%$ of BD (PAC Class) |
| NI | \$10,595,833 | $16.6666666667 \%$ of BN (PAC Class) |
| TI | \$11,971,041 | 20.8333333333\% of BT (PAC Class) |

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.

## 

| REMIC Securities |  | Mat mx Securities |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Class | $\underset{\text { Original Class }}{\text { Principal Balance }}$ | $\begin{gathered} \text { Related } \\ \text { MX Class } \end{gathered}$ |  | Maximum Original Class Principal Balance or Class Notional Balance(2) | Principal Type(3) | $\begin{gathered} \begin{array}{c} \text { Interest } \\ \text { Rate } \end{array} \\ \hline \end{gathered}$ | $\begin{aligned} & \text { Interest } \\ & \text { Type(3) } \\ & \hline \end{aligned}$ | $\begin{gathered} \text { CUSIP } \\ \text { Number } \end{gathered}$ | $\underset{\substack{\text { Final } \\ \text { Distribution } \\ \text { Date (4) }}}{ }$ | $\begin{gathered} \text { Increased } \\ \text { Minimum } \\ \text { Denomination(5) } \\ \hline \end{gathered}$ |
| Combination 1 |  |  |  |  |  |  |  |  |  |  |
| BN | \$ 63,575,000 | MA | \$ | 63,575,000 | PAC | 4.75\% | FIX | 38373 VAW0 | May 2024 | N/A |
|  |  | MB |  | 63,575,000 | PAC | 4.50 | FIX | 38373 VAX8 | May 2024 | N/A |
|  |  | MC |  | 63,575,000 | PAC | 4.25 | FIX | 38373 VAY6 | May 2024 | N/A |
|  |  | MD |  | 63,575,000 | PAC | 4.00 | FIX | 38373 VAZ3 | May 2024 | N/A |
|  |  | NI |  | 10,595,833 | NTL (PAC) | 6.00 | FIX/IO | 38373 VBA 7 | May 2024 | \$1,176,000 |
| Combination 2 cer |  |  |  |  |  |  |  |  |  |  |
| BT | \$ 57, 461,000 | ME | \$ | 57,461,000 | PAC | 5.00\% | FIX | 38373 VBB5 | July 2026 | N/A |
|  |  | MG |  | 57,461,000 | PAC | 4.75 | FIX | 38373 VBC 3 | July 2026 | N/A |
|  |  | MH |  | 57,461,000 | PAC | 4.50 | FIX | 38373 VBD 1 | July 2026 | N/A |
|  |  | MJ |  | 57,461,000 | PAC | 4.25 | FIX | 38373 VBE 9 | July 2026 | N/A |
|  |  | MK |  | 57,461,000 | PAC | 4.00 | FIX | 38373 VBF6 | July 2026 | N/A |
|  |  | TI |  | 11,971,041 | NTL(PAC) | 6.00 | FIX/IO | 38373 VBG4 | July 2026 | \$ 684,000 |
| Combination 3 |  |  |  |  |  |  |  |  |  |  |
| BD | \$ 65,842,000 | BU | \$ | 65,842,000 | PAC | 5.75\% | FIX | 38373 VBH 2 | October 2028 | N/A |
|  |  | BV |  | 65,842,000 | PAC | 5.50 | FIX | 38373 V BJ 8 | October 2028 | N/A |
|  |  | BX |  | 65,842,000 | PAC | 5.25 | FIX | 38373 VBK 5 | October 2028 | N/A |
|  |  | BY |  | 65,842,000 | PAC | 5.00 | FIX | 38373 VBL3 | October 2028 | N/A |
|  |  | ML |  | 65,842,000 | PAC | 4.75 | FIX | 38373 VBM1 | October 2028 | N/A |
|  |  | MN |  | 65,842,000 | PAC | 4.50 | FIX | 38373 VBN 9 | October 2028 | N/A |
|  |  | MP |  | 65,842,000 | PAC | 4.25 | FIX | 38373 VBP 4 | October 2028 | N/A |
|  |  | MT |  | 65,842,000 | PAC | $4.00$ | FIX | $38373 \mathrm{VBQ} 2$ | October 2028 | $\mathrm{N} / \mathrm{A}$ |
|  |  | DI |  | 21,947,333 | NTL (PAC) | 6.00 | FIX/IO | 38373 VBR0 | October 2028 | \$ 478,000 |
| Combination 4 |  |  |  |  |  |  |  |  |  |  |
| SC | \$ 17,067,364 | SG | \$ | 23,870,441 | TAC/AD | (6) | INV | 38373 VBS 8 | August 2029 | \$ 96,000 |
| SE | $6,803,077$ |  |  |  |  |  |  |  |  |  |
| Combination 5 |  |  |  |  |  |  |  |  |  |  |
| SD | $\$ 17,067,364$ | SH |  | 23,870,441 | TAC/AD | (6) | INV | 38373 VBT 6 | September 2031 | \$ 100,000 |
| SF | $6,803,077$ |  |  |  |  |  |  |  |  |  |
| Combination 6 |  |  |  |  |  |  |  |  |  |  |
| SC | $\$ 17,067,364$ | SB |  | 34,134,728 | TAC/AD | (6) | INV | 38373 VBU 3 | September 2031 | \$ 97,000 |
| SD | 17,067,364 |  |  |  |  |  |  |  |  |  |


| REMIC Securities |  | MX Secu |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Class | Original Class Principal Balance | Related MX Class | Maximum <br> Original Class <br> Principal <br> Balance or <br> Class Notional <br> Balance(2) | Principal <br> Type(3) | Interest Rate | $\begin{gathered} \text { Interest } \\ \text { Type(3) } \\ \hline \end{gathered}$ | $\begin{gathered} \text { CUSIP } \\ \text { Number } \end{gathered}$ | $\begin{gathered} \text { Final } \\ \text { Distribution } \\ \text { Date (4) } \end{gathered}$ |  | $\begin{aligned} & \text { ncreased } \\ & \text { inimum } \\ & \text { mination(5) } \end{aligned}$ |
| Combination 7 SE SF | $\begin{array}{r} \text { \$ } \\ 6,803,077 \\ 6,803,077 \end{array}$ | ST | \$ 13,606,154 | TAC/AD | (6) | INV | 38373 VBV1 | September 2031 | \$ | 101,000 |
| Combination 8 SC SD SE SF | $\begin{array}{r} 17,067,364 \\ 17,067,364 \\ 6,803,077 \\ 6,803,077 \end{array}$ | SA | \$ 47,740,882 | TAC/AD | (6) | INV | 38373VBW9 | September 2031 | \$ | 98,000 |
| Combination 9 FA SC SD SE SF | $\begin{array}{r} \$ 114,578,118 \\ 17,067,364 \\ 17,067,364 \\ 6,803,077 \\ 6,803,077 \end{array}$ | B | \$162,319,000 | TAC/AD | 6.00\% | FIX | 38373 VBX 7 | September 2031 |  | N/A |

[^10]
\$1,734,399,446

Government National
Mortgage Association

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

Guaranteed REMIC
Pass-Through Securities
and MX Securities
Ginnie Mae REMIC Trust 2002-76

OFFERING CIRCULAR SUPPLEMENT
November 21, 2002

Goldman, Sachs \& Co.
Blaylock \& Partners, 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 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 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.

[^2]:    * 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.

[^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.

[^4]:    * 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.

[^5]:    * 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.

[^6]:    * Determined as described under "Yield, Maturity and Prepayment Considerations" in this Supplement. Prepayments will not occur at any assumed rate shown or at 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.
    ** The information shown for each Notional Class is for illustrative purposes only.
    † MX Class.

[^7]:    ${ }^{1}$ As of April 1, 2001.
    ${ }^{2}$ Does not include Trust Assets that will be added to pay the Trustee Fee.
    ${ }^{3}$ The Mortgage Loans underlying the Group 2, Group 3 and Group 4 Trust Assets may bear interest at rates ranging from $0.5 \%$ to $1.5 \%$ per annum above the related Certificate Rate.

[^8]:    * Determined as specified under "Description of the Certificates-Weighted Average Lives of the Certificates" in this prospectus supplement.

[^9]:    (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 the 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 the 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.

[^10]:    (1) All exchanges must comply with minimum denominations restrictions
    (2) The amount shown for each MX Class represents the maximum Original Class Principal Balance or Class Notional Balance of that
    Class, assuming it were to be issued on the Closing Date.
    (3) As defined under "Class Types" in Appendix I to the Base Offering Circular.
    (4) See "Yield, Maturity and Prepayment Considerations - Final Distribution Date" in this Supplement.
    (5) Each Class will be issued in the denominations specified. If no denomination is indicated for a Class, that Class will be issued in
    the denomination specified under "Description of the Securities-Form of Securities" in this Supplement.
    (6) The Interest Rate will be calculated as described under "Terms Sheet - Interest Rates" in this Supplement.

