## Offering Circular Supplement

(To Base 0 ffering Circular dated March 1, 2000)

## \$765,000,000

## Govemment National Mortgage Association



# GIN NIE MAE ${ }^{\circledR}$ 

Guaranteed REMIC Pass-Through Securities and MX Securities
Ginnie Mae REMIC Trust 2001-19


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

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

## The Securities

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

## The Ginnie Mae Guaranty

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

The Trust and its Assets
The Trust will own 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 May 30, 2001.

Y ou 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 2001-19

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 <br> Rate | Principal Type(3) | Interest <br> Type(3) | $\begin{gathered} \text { Final } \\ \text { Distribution } \\ \text { Date(4) } \end{gathered}$ | CUSIP <br> Number | Class of REMIC <br> Securities | Original <br> Principal <br> Balance(2) | Interest Rate | Principal Type(3) | Interest <br> Type(3) | Final Distribution Date(4) | CUSIP <br> Number |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Security Group 1 |  |  |  |  |  |  | Security Group 2 |  |  |  |  |  |  |
| A .............. | \$23,122,500 | 6.50\% | SCH | FIX | May 2031 | 38373RFZ7 | CA ............ | \$58,476,000 | 6.50\% | SCH | FIX | May 2031 | 38373RHF9 |
| FJ.............. | 5,062,500 | (5) | SUP | FLT/DLY | May 2031 | 38373 RGA 1 | CB............. | 12,670,000 | 6.50 | SUP | FIX | May 2031 | 38373RHG7 |
| FL............. | 7,500,000 | (5) | SUP | FLT | May 2031 | 38373RGB9 | OD (1)........ | 24,692,000 | 5.50 | PAC | FIX | June 2021 | 38373RHH5 |
| IP.............. | 15,915,038 | 6.50 | NTL(PAC) | FIX/ IO | February 2025 | 38373RGC7 | OE(1)........ | 18,142,000 | 5.50 | PAC | FIX | February 2023 | 38373RHJ1 |
| JA ............. | 15,778,500 | 6.75 | SUP | FIX | July 2029 <br> November | $38373 R G$ D 5 | OG............ | 37,340,858 | 6.50 | PAC | FIX | July 2030 | 38373RHK 8 |
| JB.............. | 9,223,500 | 6.75 | SUP | FIX | $\begin{gathered} 2029 \\ \text { December } \end{gathered}$ | 38373RGE3 | OI............. | 10,736,538 | 6.50 | NTL(PAC) | FIX/IO | September 2025 | 38373RHL6 |
| JC.............. | 1,399,500 | 6.75 | SUP | FIX | 2029 | 38373RGF0 | OJ............. | 30,804,000 | 5.625 | PAC | FIX | September 2025 | 38373RHM4 |
| JD ............. | 11,118,000 | 6.75 | SUP | FIX | May 2030 | 38373RG G 8 | OM ........... | 21,300,000 | 6.50 | PAC | FIX | March 2027 | 38373RHN2 |
| JE .............. | 6,057,943 | 6.75 | SUP | FIX | May 2031 | 38373RGH6 | ON............ | 19,425,384 | 6.50 | PAC | FIX | June 2028 | 38373RHP7 |
| JH............. | 5,000,000 | 7.00 | SUP | FIX | May 2031 | 38373RGJ2 | OP(1)........ | 16,149,758 | 0.0 | PAC | PO | May 2031 | 38373RHQ 5 |
| JK .............. | 1,250,000 | 6.50 | SUP/AD | FIX | February 2012 | 38373RG K 9 | OY(1)........ | 16,149,758 | 6.50 | NTL(PAC) | FIX/ IO | May 2031 | 38373RHR3 |
| JL.............. | 1,250,000 | 6.50 | SUP/AD | FIX | May 2018 | 38373RGL7 | ZC............ | 11,000,000 | 6.50 | SUP | FIX/Z | October 2030 | 38373RHS1 |
| JM............. | 1,250,000 | 6.50 | SUP/AD | FIX | O ctober 2022 | 38373RG M5 |  |  |  |  |  |  |  |
| J0 ............. | 2,676,057 | 0.00 | SUP | PO | May 2031 | 38373 RG N 3 | Security |  |  |  |  |  |  |
| JZ ............. | 1,250,000 | 6.50 | SUP | FIX/ Z | May 2031 | 38373RG P8 | Group 3 |  |  |  |  |  |  |
| PA ............ | 33,801,500 | 5.50 | PAC | FIX | February 2025 September | 38373RGQ6 | F................. | \$140,000,000 | (5) | PT | FLT | May 2031 | 38373RHT9 |
| PB............. | 32,871,000 | 6.50 | PAC | FIX | 2026 | 38373 RG R4 | SA(1)............ | 140,000,000 | (5) | NTL(PT) | INV/ IO | May 2031 | 38373RHU6 |
| PC............. | 42,124,500 | 6.50 | PAC | FIX | May 2028 | 38373RG S2 | SB(1)............ | 140,000,000 | (5) | NTL(PT) | INV/ IO | May 2031 | 38373RHV4 |
| PD ............ | 46,689,000 | 6.50 | PAC | FIX | February 2030 | 38373RGT0 |  |  |  |  |  |  |  |
| PG ............ | 4,639,582 | 5.25 | PAC | FIX | March 2019 | 38373RGU7 | Residual |  |  |  |  |  |  |
| PH ............ | 51,077,418 | 5.25 | PAC | FIX | March 2024 | 38373RG V 5 | RR............... | 0 | 0.00 | NPR | NPR | May 2031 | 38373RHW2 |
| PJ.............. | 11,886,000 | 6.50 | PAC | FIX | February 2025 | 38373RGW3 |  |  |  |  |  |  |  |
| PV ............ | 15,052,000 | 6.50 | PAC/AD | FIX | February 2012 December | 38373RGX1 |  |  |  |  |  |  |  |
| PW............ | 11,108,000 | 6.50 | PAC | FIX | 2016 | 38373RGY9 |  |  |  |  |  |  |  |
| SJ.............. | 832,031 | (5) | SUP | INV/ DLY | May 2031 | 38373RG Z6 |  |  |  |  |  |  |  |
| SK............. | 105,469 | (5) | SUP | INV/ DLY | May 2031 | 38373 RHA0 |  |  |  |  |  |  |  |
| SL.............. | 1,450,000 | (5) | SUP | INV | May 2031 | 38373RHB8 |  |  |  |  |  |  |  |
| SM ............ | 1,050,000 | (5) | SUP | INV | May 2031 <br> December | 38373RHC6 |  |  |  |  |  |  |  |
| ZJ............. | 15,375,000 | 6.50 | SUP | FIX/ Z | 2028 | 38373RHD4 |  |  |  |  |  |  |  |
| ZP............ | 15,000,000 | 6.50 | PAC | FIX/Z | May 2031 | 38373RHE 2 |  |  |  |  |  |  |  |

(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 mount 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) Se"Yidd, MaturityandPrepayment Consideations- Final DistributionDate' in this Supplement.
(5) See"Tems Sheet - Interest Rated" in thisSupplement.

## AVAILABLE INFORMATION

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

- this Supplement and
- the Base Offering Circular.

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

If you do not have access to the internet, call The Chase Manhattan Bank, which will act as information agent for the Trust, at (800) 234-G NMA, to order copies of the Base Offering Circular.

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

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## TERMS SHEET

This terms sheet contains selected information for quick reference only. Y ou should read this Supplement, particularly "Risk Factors," and each of the other documents listed under "Available Information."
Sponsor: UBS Warburg LLC
Trustee: Bank One Trust Company, N.A.
Tax Administrator: The Trustee
Closing Date: May 30, 2001
Distribution Dates: For the Group 1 Securities, the 20th day of each month or, if the 19th day or the 20th day is not a Business Day, the first Business D ay following the 20th day of each month, commencing in June 2001. For the Group 2 and Group 3 Securities, the 16th day of each month or, if the 16th day is not a Business Day, the first Business Day thereafter, commencing in June 2001.

## Trust Assets:

| Trust Asset <br> Group | Trust Asset <br> Type |  | Certificate Rate | Original <br> Term <br> To Maturity <br> (in years) |
| :---: | :---: | :---: | :---: | :---: |
|  |  | Ginnie Mae II | $6.5 \%$ | 30 |
| 2 | Ginnie Mae I | $6.5 \%$ | 30 |  |
| 3 | Ginnie Mae I | $8.0 \%$ | 30 |  |

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

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

| Principal Balance ${ }^{2}$ | Weighted <br> Average <br> Remaining Tem <br> to Maturity <br> (in months) | Weighted Average Loan Age (in months) | Weighted Average Mortgage Rate ${ }^{3}$ |
| :---: | :---: | :---: | :---: |
| Group 1Trust Assets |  |  |  |
| \$ 42,105,295 | 360 | 0 | 7.250\% |
| 80,263,152 | 359 | 1 | 7.250 |
| 105,263,149 | 358 | 2 | 7.250 |
| 105,263,149 | 356 | 3 | 7.250 |
| 42,105,255 | 355 | 4 | 7.250 |
| \$375,000,000 |  |  |  |
| Group 2Trust Assets$\$ 250,000,000$ $323 \quad 31.00 \%$ |  |  |  |
| Group 3 Trust Assets |  |  |  |
| \$ 38,435,142 | 281 | 71 | 8.50\% |
| 81,674,673 | 296 | 56 | 8.50 |
| 19,890,185 | 302 | 51 | 8.50 |
| \$140,000,000 |  |  |  |

1 As of May 1, 2001
2 D oes not include Trust Assets that will be added to pay the Trustee Fee.
3 The Mortgage Loans underlying the Group 1 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 Trust Assets, Mortgage Rates of many of the Mortgage Loans will differ from the weighted averages shown above, perhaps significantly. See"TheTrust Assts- TheMattageLoans" in this Supdement
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"Desciption of the Seanities - Modification and Exdange' inthis Supdement.
Increased Minimum Denomination Classes: Each Class that constitutes a Principal Only, Interest Only, or Inverse Floating Rate Class. See"Desciption of the Seanities - Formof Seanitied" 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 LIBO R (hereinafter referred to as "LIBOR") as follows:

| Class | Interest Rate <br> Formula(1) | Initial <br> Interest <br> Rate(2) | Minimum Rate | $\begin{aligned} & \text { Maximum } \\ & \text { Rate } \end{aligned}$ | Delay (in days) | LIBOR forMinimum Interest Rate |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| F | LIBOR + 0.50\% | 4.6300\% | 0.50\% | 8.000000\% | 0 | 0.0000\% |
| FJ | LIBOR + 1.25\% | 5.7700 | 1.25 | 8.000000 | 19 | 0.0000 |
| FL | LIBOR + 0.60\% | 5.0600 | 0.60 | 9.000000 | 0 | 0.0000 |
| S | 7.50\% - LIBOR | 3.3700 | 0.00 | 7.500000 | 0 | 7.5000 |
| SA | 7.00\% - LIBOR | 2.8700 | 0.00 | 7.000000 | 0 | 7.0000 |
| SB | 7.50\% - LIBOR | 0.5000 | 0.00 | 0.500000 | 0 | 7.5000 |
| SJ | 39.549308\% - (LIBOR x 6.084509) | 12.0473 | 0.00 | 39.549308 | 19 | 6.5000 |
| SK | 324.0\% - (LIBOR x 48.0) | 12.0000 | 0.00 | 12.000000 | 19 | 6.7500 |
| SL | 36.206897\% - (LIBOR x 5.172414) | 13.1379 | 0.00 | 36.206897 | 0 | 7.0000 |
| SM | 60.0\% - (LIBOR x 7.142857) | 10.0000 | 0.00 | 10.000000 | 0 | 8.4000 |

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

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

## SECURITY GROUP 1

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

Accretion
Directed and
Accruad $\left\{\begin{array}{l}\text { The JZ Accrual Amount sequentially, to JK, JL, JM and JZ, in that order, until } \\ \text { retired }\end{array}\right.$ retired
$\underset{\substack{\text { Scheduled } \\ \text { and Accrual }}}{\{ }$ The ZJ Accrual Amount sequentially, to A, without regard to its Scheduled and Accrual
\{ Principal Balance, and ZJ, in that order, until retired

PAC and
\{ The ZP Accrual Amount sequentially, to PV, PW and ZP, in that order, without
Accrual regard to the Aggregate Scheduled Principal Balance of which they are part, until retired

- The G roup 1 Adjusted Principal Distribution Amount in the following order of priority:

PAC $\left\{\begin{array}{l} \\ \end{array}\right.$

1. To the PAC Classes, until reduced to their Aggregate Scheduled Principal Balance for that D istribution D ate in the following order of priority:
a. Concurrently as follows:
i. $33.3333333333 \%$ to PA, until retired
ii. $66.6666666667 \%$ sequentially, to $\mathrm{PG}, \mathrm{PH}$ and PJ , in that order, until retired
b. Sequentially, to PB, PC, PD, PV, PW and ZP, in that order, until retired

Scheduled
2. To A, until reduced to its Scheduled Principal Balance for that Distribution Date
3. To ZJ, until retired
4. Concurrently as follows:
a. $3.7037057028 \%$ to JO , until retired
b. $96.2962942972 \%$ in the following order of priority:
i. Sequentially, to JA, JB, JC and JD , in that order, until retired
ii. Concurrently as follows:

1) $15.5967586567 \%$ sequentially, to $\mathrm{JK}, \mathrm{JL}, \mathrm{JM}$ and JZ , in that order, until retired
2) $84.4032413433 \%$ concurrently, to FJ, FL, JE, JH, SJ, SK, SL and SM, pro rata, until retired

Scheduled
5. To A, without regard to its Scheduled Principal Balance, until retired
6. To the PAC Classes, in the manner and order of priority described in Step 1, but without regard to their Aggregate Scheduled Principal Balance, until retired

## SECURITY GROUP 2

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

Scheduled $\left\{\begin{array}{l}\text { The ZC Accrual Amount sequentially, to CA, without regard to its Scheduled }\end{array}\right.$


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

| PAC | $\left\{\begin{array}{l}\text { 1. } \begin{array}{l}\text { Sequentially, to OD, OE, OJ, OM, ON, OG and OP, in that order, until } \\ \text { reduced to their Aggregate Scheduled Principal Balance for that } \\ \text { Distribution D ate }\end{array} \\ \text { Scheduled }\end{array}\right.$ |
| ---: | :--- |
| Support $\left\{\begin{array}{l}\text { 2. To CA, until reduced to its Scheduled Principal Balance for that } \\ \text { Distribution D ate }\end{array}\right.$ |  |
| Schedued3. Sequentially, to ZC and CB, in that order, until retired |  |
| PAC4. To CA, without regard to its Scheduled Principal Balance, until retired |  |
| $\left\{\begin{array}{l}\text { 5. Sequentially, to OD, OE, OJ, OM, ON, OG and OP, in that order, without } \\ \text { regard to their Aggregate Scheduled Principal Balances, until retired }\end{array}\right.$ |  |

## 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 F, 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:

Classes
PA, PB, PC, PD, PG, PH, PJ, PV,
PW and ZP (in the aggregate)
A.

OD,OE,OG,OJ,OM,ON
and OP (in the aggregate)
CA.
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 |
| :---: | :---: | :---: |
| IP | $\begin{array}{r} \$ 5,200,231 \\ 10,714,807 \\ \hline \hline \mathbf{~ 1 5 , 9 1 5 , 0 3 8} \\ \hline \hline \end{array}$ | $15.3846153846 \%$ of PA (PAC Class) <br> $19.2307692308 \%$ of PG and PH (in the aggregate) (PAC Classes) |
| OI | $\begin{array}{r} \$ 6,589,846 \\ 4,146,692 \\ \hline \hline \end{array}$ | $15.3846153846 \%$ of OD and OE (in the aggregate) (PAC Classes) $13.4615384615 \%$ of OJ (PAC Class) |
| OY | \$16,149,758 | 100\% of OP (PAC Class) |
| S, SA and SB | \$140,000,000 | 100\% of F (PT Class) |

Tax Status: Double REMIC Series. See"Cetain Fedral InconeTax Consequmes" in this Supdennt andintheBaeOfferingCiroular:
Regular and Residual Classes: 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 purchese seanities aly if you undastand and are able to berr the assoiated nisks Thenisks applicale to your investment depend an theprimipal and interest typeof your seanities This setion higlights attain of thesisks

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 LIBO R will affect the yields on floating rate and inverse floating rate securities. If LIBOR performs differently from what you expect, the yield on your securities may be lower than you expect. Lower levels of LIBOR will generally reduce the yield on floating rate securities; higher levels of LIBOR will generally reduce the yield on inverse floating rate securities. You should bear in mind that the timing of changes in the level of LIBOR may affect your yield: generally, the earlier a change, the greater the effect on your yield. It's doubtful that LIBOR will remain constant.
An investment in the securities is subject to significant reinvestment risk. The rate
of principal payments on your securities is uncertain. You may be unable to reinvest the payments on your securities at the same returns provided by the securities. Lower prevailing interest rates may result in an unexpected return of principal. In that interest rate climate, higher yielding reinvestment opportunities may be limited. Conversely, higher prevailing interest rates may result in slower returns of principal and you may not be able to take advantage of higher yielding investment opportunities. The final payment on your security may occur much earlier than the final distribution date.
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 PAC and Scheduled Classes, the related support classes will not receive any principal distribution on that date (other than from any applicable accrual amounts). If prepayments result in principal distributions on any distribution date greater than the amount needed to produce scheduled payments on the related PAC and Scheduled Classes for that distribution date, this excess will be distributed to the related support classes. Accordingly, support classes may receive no principal distributions for extended periods of time or may receive principal payments that vary widely from period to period.
The securities may not be a suitable investment for you. The securities, especially the support, interest only, principal only, inverse floating rate, accrual and residual classes, are not suitable investments for all investors.
In addition, although the sponsor intends to make a market for the purchase and sale of the securities after their initial issuance, it
has no obligation to do so. There is no assurance that a secondary market will develop, that any secondary market will continue, or that the price at which you can sell an investment in any class will enable you to realize a desired yield on that investment.
You will bear the market risks of your investment. The market values of the classes are likely to fluctuate. These fluctuations may be significant and could result in significant losses to you.
The secondary markets for mortgage-related securities have experienced periods of illiquidity and can be expected to do so in the future. Illiquidity can have a severely adverse effect on the prices of classes that are especially sensitive to prepayment or interest rate risk or that have been structured to meet the investment requirements of limited categories of investors.
The residual securities may experience significant adverse tax timing consequences. Accordingly, you are urged to consult tax advisors and to consider the after-tax effect of ownership of a residual security and the suitability of the residual securities to your
investment objectives. Se "Catain Feazal IncomeTax Consequenes" in this supplement and in thebasedferingiralar.
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 will evidence, directly or indirectly, Ginnie Mae Certificates.

## The Trust MBS

The Group 2 and Group 3 Trust Assets are either:

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

The Group 1 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 Mortgage Loans

The Mortgage Loans underlying the 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 Trust Assets" and the general characteristics described in the Base Offering Circular. 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"). Se "The Gimie Mae Cetificates- Geneal" in theBaseOffeingCirular.

Specific information regarding the characteristics of the Mortgage Loans is not available. For purposes of this Supplement, certain assumptions have been made regarding the remaining terms to maturity, loan ages and, in the case of the Group 1 Trust Assets, Mortgage Rates of the Mortgage Loans. However, the actual remaining terms to maturity, loan ages and, in the case of the Group 1 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. Se "Risk Fadas" and "Yidd, Matunity and Prepayment Considaations" inthis Supdement.

## The Trustee Fee

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

## GINNIE MAE GUARANTY

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

## 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"Desciption of theSeanities" in theBaseOffeingCirular.

## Form of Securities

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

Each Class (other than the Increased Minimum Denomination Classes) will be issued in minimum dollar denominations of initial principal or notional 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 |
| :---: | :---: |
| IP | \$ 800,000* |
| JO | 167,000 |
| OI. | 759,000* |
| OP | 179,000 |
| OY | 245,000* |
| SA. | 2,634,000* |
| SB | 8,889,000* |
| SJ | 108,000 |
| SK | 104,000 |
| SL | 114,000 |
| SM | 106,000 |

* Notional balance

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

## Distributions

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

## Interest Distributions

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

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


## Categries 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.

## Acrual Peiods

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

| Classes | Accrual Period |
| :---: | :---: |
| Fixed Rate and Delay Classes | The calendar month preceding the related Distribution D ate |
| Group 1 Floating Rate and Inverse Floating Rate Classes (other than the D elay Classes) | From the 20th day of the month preceding the related Distribution Date through the 19th day of the month of that Distribution D ate |
| G roup 3 Floating Rate and Inverse Floating Rate Classes | From the 16th day of the month preceding the related Distribution Date through the 15th day of the month of that Distribution D ate |

## FixedRateClasses

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.

## Acrual Classes

Each of Class JZ, Class ZC, Class ZJ and Class ZP is an Accrual Class. Interest will accrue on the Accrual Classes and be distributed as described under "Terms Sheet - Accrual Classes" in this Supplement.

## FloatingRateand InveseFloatingRateClasses

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 LIBO R method, as described under "D escription of the Securities - Interest Rate Indices D etermination of LIBOR - BBA LIBOR" in the Base Offering Circular.

For information regarding themanner in whid the Trustee deamines LIBOR and calaulates the Interest Rates for theFloatingRateandInveseFloatingRateClasses se"Desciption of theSeunities - Interest Rate Indices - Ddemination of LIBOR" in theBaseOfferingCirailar.

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

## Principal Distributions

The Adjusted Principal Distribution Amount for each Security Group and the Accrual Amounts will be distributed to the Holders entitled thereto as described above under "Terms Sheet - Allocation of Principal". In the case of Security Groups 1 and 2, the Accrual Amounts will be applied before the related Adjusted Principal Distribution Amounts. Investors can calculate the amount of principal to be distributed with respect to any Distribution D ate by using the Class Factors published in the preceding and current months. See"- ClassFadas" bdow.

## Categries of Classes

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

## Notional Classes

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

## Residual Securities

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

## Class Factors

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

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

Se"Desciption of theSeanities - Distributions" in theBaseOffeingCirular.

## Termination

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

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

## Modification and Exchange

All or a portion of the Classes of REMIC Securities specified on the inside cover page may be exchanged for a proportionate interest in the related MX Class 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 Classes of REMIC Securities. 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 D epository participant. This notice must be received by the Trustee not later than two Business D ays before the proposed exchange date. The exchange date can be any Business Day other than the last Business Day of the month. The notice must contain the outstanding principal balance of the Securities to be included in the exchange and the
proposed exchange date. The notice is required to be delivered to the Trustee in writing at its Corporate Trust Office, Bank One Trust Company, N.A., 153 W. $51^{\text {ts }}$ Street, 6th Floor, New York, New York 10019, Attention: Trust Administrator Ginnie Mae 2001-19. The Trustee may be contacted by telephone at (212) 373-1139 and by fax at (212) 373-1384.

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

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

## See"Description of theSeanities - ModificationandExdange" intheBaseOffeingCiralar.

## YIELD, MATURITY AND PREPAYMENT CONSIDERATIONS

## General

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

- The Mortgage Loans do not contain "due-on-sale" provisions, and any Mortgage Loan may be prepaid in full or in part at any time without penalty.
- The rate of payments (including prepayments and payments in respect of liquidations) on the Mortgage Loans is dependent on a variety of economic, geographic, social and other factors, including prevailing market interest rates and general economic factors.
The rate of prepayments with respect to single-family mortgage loans has fluctuated significantly in recent years. Although there is no assurance that prepayment patterns for the Mortgage Loans will conform to patterns for more traditional types of conventional fixed-rate mortgage loans, generally:
- if mortgage interest rates fall materially below the Mortgage Rates on any of the Mortgage Loans (giving consideration to the cost of refinancing), the rate of prepayment of those Mortgage Loans would be expected to increase; and
- if mortgage interest rates rise materially above the Mortgage Rates on any of the Mortgage Loans, the rate of prepayment of those Mortgage Loans would be expected to decrease.

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

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

## Accretion Directed Classes

Classes JK, JL, JM and PV are Accretion Directed Classes. The related Accrual Amount will be applied to making principal distributions on those Classes as described in this Supplement.

Because each Accretion Directed Class is entitled to principal payments in an amount equal to interest accrued on the related Accrual Class, the Weighted Average Life of each such Class cannot exceed its Weighted Average Life as shown in the following table under any prepayment scenario, even a scenario where there are no prepayments.

- Moreover, based on the Modeling Assumptions, if the related Mortgage Loans prepay at any constant rate at or below the rate for an Accretion Directed Class shown in the table below, its Class Principal Balance would be reduced to zero on, but not before, its Final Distribution Date, and its Weighted Average Life would equal its maximum Weighted Average Life.
- However, the Weighted Average Lives of the Accretion Directed Classes, especially Classes JK, JL and JM which are also Support Classes, will be reduced, and may be reduced significantly, at prepayment speeds higher than the constant rates shown in the table below. Se "Yidd, Maturity and Prepaymet Consideations - Derement Tables" in this Supderent.


## Accretion Directed Classes

$\begin{array}{ccccc}\text { Class } & \begin{array}{c}\text { Maximum Weighted } \\ \text { Average Life } \\ \text { (in Years) }\end{array} & & & \\$\cline { 1 - 2 } \& 6.0 \& \& Final Distribution Date \& \end{array} $\left.\begin{array}{c}\text { Prebruary } 2012 \\ \text { at orbelow }\end{array}\right]$

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

## Securities that Receive Principal on the Basis of Schedules

As described in this Supplement, each PAC and Scheduled Class will receive principal payments in accordance with a schedule calculated on the basis of, among other things, a Structuring Range. Se"Tems Shet - Scheduled Prinipal Balance" However, whether any such Class will adhere to its schedule and receive "Scheduled Payments" on a Distribution D ate will largely depend on the level of prepayments experienced by the Mortgage Loans.

Each PAC and Scheduled Class (other than Class A) exhibits an Effective Range of constant prepayment rates at which such Class will received 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 PAC and Scheduled Classes are as follows:

## PAC Classes

PA, PB, PC, PD, PG, PH, PJ, PV , PW and ZP (in the
aggregate) . . . . . . . . . . . . . . . . . . . . . . . . . .
OD , OE, OG , OJ, OM, ON and OP (in the aggregate). .

## Scheduled Classes

A
CA. $\qquad$
${ }^{*}$ No Effective Range

- The principal payment stability of the PAC Classes will be supported in part by the related Scheduled Classes and Support Classes.
- The principal payment stability of the Scheduled Classes will be supported in part 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 Mortgage Loans.

There is no assurance that the related Mortgage Loans will have the characteristics assumed in the Modeling A ssumptions, 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 table. 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 PAC or Scheduled Class not to receive Scheduled Payments, even if prepayment rates remain within the initial Effective Range for that Class. Further, the Effective Range for any PAC or Scheduled Class can narrow or shift over time depending on the actual characteristics of the Mortgage Loans.

If the related Mortgage Loans prepay at rates that are generally below the Effective Range for any PAC or Scheduled Class, the amount available to pay principal on the Securities may be insufficient to produce Scheduled Payments on that PAC or 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 PAC or Scheduled Class, its supporting Classes may be retired earlier than that PAC or Scheduled Class, and the Weighted Average Life of the PAC or Scheduled Class may be shortened, perhaps significantly.

## Assumability

Each Mortgage Loan is subject to assumption upon the sale of the related Mortgaged Property. See "Yidd, Matunty and Prepayment Considations - Assumability of Govemment Loans" in theBaseOfferingCirular.

## Final Distribution Date

The Final Distribution D ate 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 D ate.
- 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 D ate.


## Modeling Assumptions

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

1. The Mortgage Loans underlying the Trust Assets have the assumed characteristics shown under "Assumed Characteristics of the Mortgage Loans Underlying the Trust Assets" in the Terms Sheet, except in the case of information set forth under the 0\% PSA Prepayment Assumption Rate, for which each Mortgage Loan is assumed to have an original and a remaining term to maturity of 360 months and each Mortgage Loan underlying a Group 1 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 G roup 1 Securities and on the G roup 2 and Group 3 Securities are always received on the 20th day of the month and the $16^{\text {th }}$ day of the month, respectively, whether or not a Business D ay, commencing in June 2001.
4. A termination of the Trust does not occur.
5. The Closing D ate for the Securities is May 30, 2001.
6. No expenses or fees are paid by the Trust.
7. Each Class is held from the Closing D ate 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 D istribution D ates will occur on a Business D ay after the 20th or 16th day of the month, as applicable, and the Trustee may cause a termination of the Trust as described under "D escription 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.


## Se"Desciption of theSeunities - Distributions" in theBaseOfferingCirallar.

## 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 "Yidd, Maturity and Prepayment Consideations - Standard Prepayment AssumptionModds" intheBaseOffeingCiralar.

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 pattem 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 Mortgage Loans prepay at the applicable PSA Prepayment Assumption Rate. 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 D ate,
(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 the Notional Classes are not entitled to distributions of principal and have no weighted average lives. The weighted average life shown for each Notional Class has been calculated on the assumption that a reduction in the Class Notional Balance thereof is a distribution of principal.

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

# Percentages of Original Class Principal (or Class N otional) Balances and Weighted Average Lives 

Security Group 1

| Distribution Date | PSA Prepayment Assumption Rates |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Class A |  |  |  |  | $\begin{gathered} \text { Class FJ, FL, JE, JH, SJ, SK, SL } \\ \text { and SM } \end{gathered}$ |  |  |  |  | Class IP |  |  |  |  |
|  | 0\% | 100\% | 175\% | 250\% | 400\% | \% | 100\% | 175\% | 250\% | 400\% | 0\% | 100\% | 175\% | 250\% | 400\% |
| Initial Percent | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| May 2002 | 96 | 96 | 94 | 94 | 94 | 100 | 100 | 100 | 100 | 100 | 96 | 89 | 89 | 89 | 89 |
| May 2003 | 91 | 91 | 82 | 82 | 82 | 100 | 100 | 100 | 100 | 94 | 93 | 67 | 67 | 67 | 67 |
| May 2004 | 86 | 86 | 66 | 66 | 20 | 100 | 100 | 100 | 100 | 0 | 88 | 40 | 40 | 40 | 40 |
| May 2005 | 80 | 80 | 52 | 52 | 0 | 100 | 100 | 100 | 69 | 0 | 84 | 14 | 14 | 14 | 0 |
| May 2006 | 75 | 75 | 41 | 41 | 0 | 100 | 100 | 100 | 34 | 0 | 79 | 1 | 1 | 1 | 0 |
| May 2007 | 68 | 68 | 32 | 32 | 0 | 100 | 100 | 100 | 10 | 0 | 74 | 0 | 0 | 0 | 0 |
| May 2008 | 62 | 62 | 25 | 19 | 0 | 100 | 100 | 100 | 0 | 0 | 68 | 0 | 0 | 0 | 0 |
| May 2009 | 55 | 55 | 19 | 5 | 0 | 100 | 100 | 100 | 0 | 0 | 62 | 0 | 0 | 0 | 0 |
| May 2010 | 47 | 47 | 16 | 0 | 0 | 100 | 100 | 100 | 0 | 0 | 55 | 0 | 0 | 0 | 0 |
| May 2011 | 39 | 36 | 10 | 0 | 0 | 100 | 100 | 100 | 0 | 0 | 48 | 0 | 0 | 0 | 0 |
| May 2012 | 31 | 17 | 1 | 0 | 0 | 100 | 100 | 100 | 0 | 0 | 40 | 0 | 0 | 0 | 0 |
| May 2013 | 22 | 0 | 0 | 0 | 0 | 100 | 100 | 100 | 0 | 0 | 32 | 0 | 0 | 0 | 0 |
| May 2014 | 12 | 0 | 0 | 0 | 0 | 100 | 100 | 100 | 0 | 0 | 23 | 0 | 0 | 0 | 0 |
| May 2015 | 2 | 0 | 0 | 0 | 0 | 100 | 100 | 100 | 0 | 0 | 13 | 0 | 0 | 0 | 0 |
| May 2016 | 0 | 0 | 0 | 0 | 0 | 100 | 100 | 91 | 0 | 0 | 5 | 0 | 0 | 0 | 0 |
| May 2017 | 0 | 0 | 0 | 0 | 0 | 100 | 100 | 82 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| May 2018 | 0 | 0 | 0 | 0 | 0 | 100 | 100 | 74 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2019 | 0 | 0 | 0 | 0 | 0 | 100 | 100 | 65 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2020 | 0 | 0 | 0 | 0 | 0 | 100 | 100 | 57 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2021 | 0 | 0 | 0 | 0 | 0 | 100 | 100 | 49 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2022 | 0 | 0 | 0 | 0 | 0 | 100 | 100 | 42 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2023 | 0 | 0 | 0 | 0 | 0 | 100 | 100 | 36 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2024 | 0 | 0 | 0 | 0 | 0 | 100 | 100 | 29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2025 | 0 | 0 | 0 | 0 | 0 | 100 | 95 | 24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2026 | 0 | 0 | 0 | 0 | 0 | 100 | 77 | 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2027 | 0 | 0 | 0 | 0 | 0 | 100 | 60 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2028 | 0 | 0 | 0 | 0 | 0 | 100 | 43 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2029 | 0 | 0 | 0 | 0 | 0 | 100 | 27 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2030 | 0 | 0 | 0 | 0 | 0 | 94 | 12 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2031 . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Weighted Average |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Life (years) . . . . . | 8.2 | 7.6 | 4.9 | 4.4 | 2.6 | 29.5 | 26.7 | 20.5 | 4.6 | 2.3 | 9.1 | 2.6 | 2.6 | 2.6 | 2.5 |

Security Group 1
PSA Prepayment Assumption Rates

| Distribution Date | Class JA |  |  |  |  | Class JB |  |  |  |  | Class JC |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 0\% | 100\% | 175\% | 250\% | 400\% | 0\% | 100\% | 175\% | 250\% | 400\% | \% | 100\% | 175\% | 250\% | 400\% |
| Initial Percent | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| May 2002 | 100 | 100 | 100 | 100 | 84 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| May 2003 | 100 | 100 | 100 | 31 | 0 | 100 | 100 | 100 | 100 | 0 | 100 | 100 | 100 | 100 | 0 |
| May 2004 | 100 | 100 | 65 | 0 | 0 | 100 | 100 | 100 | 0 | 0 | 100 | 100 | 100 | 0 | 0 |
| May 2005 | 100 | 100 | 18 | 0 | 0 | 100 | 100 | 100 | 0 | 0 | 100 | 100 | 100 | 0 | 0 |
| May 2006 | 100 | 100 | 0 | 0 | 0 | 100 | 100 | 68 | 0 | 0 | 100 | 100 | 100 | 0 | 0 |
| May 2007 | 100 | 100 | 0 | 0 | 0 | 100 | 100 | 22 | 0 | 0 | 100 | 100 | 100 | 0 | 0 |
| May 2008 | 100 | 100 | 0 | 0 | 0 | 100 | 100 | 0 | 0 | 0 | 100 | 100 | 29 | 0 | 0 |
| May 2009 | 100 | 100 | 0 | 0 | 0 | 100 | 100 | 0 | 0 | 0 | 100 | 100 | 0 | 0 | 0 |
| May 2010 | 100 | 100 | 0 | 0 | 0 | 100 | 100 | 0 | 0 | 0 | 100 | 100 | 0 | 0 | 0 |
| May 2011 | 100 | 100 | 0 | 0 | 0 | 100 | 100 | 0 | 0 | 0 | 100 | 100 | 0 | 0 | 0 |
| May 2012 | 100 | 100 | 0 | 0 | 0 | 100 | 100 | 0 | 0 | 0 | 100 | 100 | 0 | 0 | 0 |
| May 2013 | 100 | 100 | 0 | 0 | 0 | 100 | 100 | 0 | 0 | 0 | 100 | 100 | 0 | 0 | 0 |
| May 2014 | 100 | 100 | 0 | 0 | 0 | 100 | 100 | 0 | 0 | 0 | 100 | 100 | 0 | 0 | 0 |
| May 2015 | 100 | 100 | 0 | 0 | 0 | 100 | 100 | 0 | 0 | 0 | 100 | 100 | 0 | 0 | 0 |
| May 2016 | 100 | 100 | 0 | 0 | 0 | 100 | 100 | 0 | 0 | 0 | 100 | 100 | 0 | 0 | 0 |
| May 2017 | 100 | 100 | 0 | 0 | 0 | 100 | 100 | 0 | 0 | 0 | 100 | 100 | 0 | 0 | 0 |
| May 2018 | 100 | 100 | 0 | 0 | 0 | 100 | 100 | 0 | 0 | 0 | 100 | 100 | 0 | 0 | 0 |
| May 2019 | 100 | 85 | 0 | 0 | 0 | 100 | 100 | 0 | 0 | 0 | 100 | 100 | 0 | 0 | 0 |
| May 2020 | 100 | 45 | 0 | 0 | 0 | 100 | 100 | 0 | 0 | 0 | 100 | 100 | 0 | 0 | 0 |
| May 2021 | 100 | 5 | 0 | 0 | 0 | 100 | 100 | 0 | 0 | 0 | 100 | 100 | 0 | 0 | 0 |
| May 2022 | 100 | 0 | 0 | 0 | 0 | 100 | 42 | 0 | 0 | 0 | 100 | 100 | 0 | 0 | 0 |
| May 2023 | 100 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| May 2024 | 100 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| May 2025 | 100 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| May 2026 | 100 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| May 2027 | 100 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| May 2028 | 100 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| May 2029 | 26 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| May 2030 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2031 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Weighted Average |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Life (years) . . . . | 27.9 | 18.9 | 3.4 | 1.9 | 1.2 | 28.3 | 20.9 | 5.4 | 2.4 | 1.5 | 28.5 | 21.8 | 6.9 | 2.7 | 1.7 |

Security Group 1
PSA Prepayment Assumption Rates

| Distribution Date | Class JD |  |  |  |  | Class JK |  |  |  |  | Class JL |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | \% | 100\% | 175\% | 250\% | 400\% | 0\% | 10\%\% | 175\% | 250\% | 400\% | 0\% | 100\% | 175\% | 250\% | 400\% |
| Initial Percent | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| May 2002 | 100 | 100 | 100 | 100 | 100 | 93 | 93 | 93 | 93 | 93 | 100 | 100 | 100 | 100 | 100 |
| May 2003 | 100 | 100 | 100 | 100 | 0 | 86 | 86 | 86 | 86 | 62 | 100 | 100 | 100 | 100 | 100 |
| May 2004 | 100 | 100 | 100 | 52 | 0 | 79 | 79 | 79 | 79 | 0 | 100 | 100 | 100 | 100 | 0 |
| May 2005 | 100 | 100 | 100 | 0 | 0 | 70 | 70 | 70 | 0 | 0 | 100 | 100 | 100 | 45 | 0 |
| May 2006 | 100 | 100 | 100 | 0 | 0 | 62 | 62 | 62 | 0 | 0 | 100 | 100 | 100 | 0 | 0 |
| May 2007 | 100 | 100 | 100 | 0 | 0 | 52 | 52 | 52 | 0 | 0 | 100 | 100 | 100 | 0 | 0 |
| May 2008 | 100 | 100 | 100 | 0 | 0 | 43 | 43 | 43 | 0 | 0 | 100 | 100 | 100 | 0 | 0 |
| May 2009 | 100 | 100 | 86 | 0 | 0 | 32 | 32 | 32 | 0 | 0 | 100 | 100 | 100 | 0 | 0 |
| May 2010 | 100 | 100 | 77 | 0 | 0 | 21 | 21 | 21 | 0 | 0 | 100 | 100 | 100 | 0 | 0 |
| May 2011 | 100 | 100 | 74 | 0 | 0 | 9 | 9 | 9 | 0 | 0 | 100 | 100 | 100 | 0 | 0 |
| May 2012 | 100 | 100 | 71 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 96 | 96 | 96 | 0 | 0 |
| May 2013 | 100 | 100 | 52 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 82 | 82 | 82 | 0 | 0 |
| May 2014 | 100 | 100 | 27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 68 | 68 | 68 | 0 | 0 |
| May 2015 | 100 | 100 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 52 | 52 | 52 | 0 | 0 |
| May 2016 | 100 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 36 | 36 | 1 | 0 | 0 |
| May 2017 | 100 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18 | 18 | 0 | 0 | 0 |
| May 2018 | 100 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2019. | 100 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2020 | 100 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2021 | 100 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2022 | 100 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2023 | 100 | 92 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2024 | 100 | 38 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2025 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2026. | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2027 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2028 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2029 . | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2030. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2031 . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Weighted Average |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Life (years) . | 28.8 | 22.8 | 11.4 | 3.0 | 1.8 | 6.0 | 6.0 | 6.0 | 3.1 | 1.9 | 14.0 | 14.0 | 13.5 | 4.0 | 2.2 |

Security Group 1
PSA Prepayment Assumption Rates

| Distribution Date | Class JM |  |  |  |  | Prepa | ment | ssump | On Ra |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  | Class J0 |  |  |  |  | Class JZ |  |  |  |  |
|  | 0\% | 100\% | 175\% | 250\% | 400\% | 0\% | 100\% | 175\% | 250\% | 400\% | 0\% | 100\% | 175\% | 250\% | 400\% |
| Initial Percent. | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| May 2002 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 96 | 107 | 107 | 107 | 107 | 107 |
| May 2003 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 84 | 43 | 114 | 114 | 114 | 114 | 114 |
| May 2004 | 100 | 100 | 100 | 100 | 0 | 100 | 100 | 92 | 54 | 0 | 121 | 121 | 121 | 121 | 0 |
| May 2005 | 100 | 100 | 100 | 100 | 0 | 100 | 100 | 81 | 32 | 0 | 130 | 130 | 130 | 130 | 0 |
| May 2006 | 100 | 100 | 100 | 0 | 0 | 100 | 100 | 73 | 15 | 0 | 138 | 138 | 138 | 134 | 0 |
| May 2007 | 100 | 100 | 100 | 0 | 0 | 100 | 100 | 67 | 5 | 0 | 148 | 148 | 148 | 41 | 0 |
| May 2008 | 100 | 100 | 100 | 0 | 0 | 100 | 100 | 63 | 0 | 0 | 157 | 157 | 157 | 0 | 0 |
| May 2009 | 100 | 100 | 100 | 0 | 0 | 100 | 100 | 60 | 0 | 0 | 168 | 168 | 168 | 0 | 0 |
| May 2010 | 100 | 100 | 100 | 0 | 0 | 100 | 100 | 58 | 0 | 0 | 179 | 179 | 179 | 0 | 0 |
| May 2011 | 100 | 100 | 100 | 0 | 0 | 100 | 100 | 58 | 0 | 0 | 191 | 191 | 191 | 0 | 0 |
| May 2012 | 100 | 100 | 100 | 0 | 0 | 100 | 100 | 57 | 0 | 0 | 204 | 204 | 204 | 0 | 0 |
| May 2013 | 100 | 100 | 100 | 0 | 0 | 100 | 100 | 54 | 0 | 0 | 218 | 218 | 218 | 0 | 0 |
| May 2014 | 100 | 100 | 100 | 0 | 0 | 100 | 100 | 50 | 0 | 0 | 232 | 232 | 232 | 0 | 0 |
| May 2015 | 100 | 100 | 100 | 0 | 0 | 100 | 100 | 46 | 0 | 0 | 248 | 248 | 248 | 0 | 0 |
| May 2016 | 100 | 100 | 100 | 0 | 0 | 100 | 100 | 42 | 0 | 0 | 264 | 264 | 264 | 0 | 0 |
| May 2017 | 100 | 100 | 47 | 0 | 0 | 100 | 100 | 38 | 0 | 0 | 282 | 282 | 282 | 0 | 0 |
| May 2018 | 99 | 99 | 0 | 0 | 0 | 100 | 100 | 34 | 0 | 0 | 301 | 301 | 294 | 0 | 0 |
| May 2019 | 79 | 79 | 0 | 0 | 0 | 100 | 97 | 30 | 0 | 0 | 321 | 321 | 260 | 0 | 0 |
| May 2020 | 57 | 57 | 0 | 0 | 0 | 100 | 88 | 26 | 0 | 0 | 343 | 343 | 228 | 0 | 0 |
| May 2021 | 34 | 34 | 0 | 0 | 0 | 100 | 79 | 23 | 0 | 0 | 366 | 366 | 197 | 0 | 0 |
| May 2022 | 10 | 10 | 0 | 0 | 0 | 100 | 70 | 19 | 0 | 0 | 390 | 390 | 169 | 0 | 0 |
| May 2023 | 0 | 0 | 0 | 0 | 0 | 100 | 61 | 16 | 0 | 0 | 400 | 400 | 142 | 0 | 0 |
| May 2024 | 0 | 0 | 0 | 0 | 0 | 100 | 52 | 14 | 0 | 0 | 400 | 400 | 118 | 0 | 0 |
| May 2025 | 0 | 0 | 0 | 0 | 0 | 100 | 44 | 11 | 0 | 0 | 400 | 380 | 95 | 0 | 0 |
| May 2026 | 0 | 0 | 0 | 0 | 0 | 100 | 36 | 9 | 0 | 0 | 400 | 309 | 74 | 0 | 0 |
| May 2027 | 0 | 0 | 0 | 0 | 0 | 100 | 28 | 6 | 0 | 0 | 400 | 240 | 56 | 0 | 0 |
| May 2028 | 0 | 0 | 0 | 0 | 0 | 100 | 20 | 4 | 0 | 0 | 400 | 173 | 39 | 0 | 0 |
| May 2029 | 0 | 0 | 0 | 0 | 0 | 83 | 13 | 3 | 0 | 0 | 400 | 109 | 23 | 0 | 0 |
| May 2030 | 0 | 0 | 0 | 0 | 0 | 43 | 5 | 1 | 0 | 0 | 377 | 47 | 10 | 0 | 0 |
| May 2031 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Weighted Average |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Life (years) . | 19.3 | 19.3 | 16.0 | 4.6 | 2.4 | $28 . \varepsilon$ | 23.4 | 12.9 | 3.4 | 1.9 | 29.5 | 26.7 | 22.2 | 5.7 | 2.6 |

Security Group 1
PSA Prepayment Assumption Rates

| Distribution Date | PSA Prepayment Assumption Rates |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Class PA |  |  |  |  | Class PB |  |  |  |  | Class PC |  |  |  |  |
|  | \% | 100\% | 175\% | 250\% | 400\% | 0\% | 100\% | 175\% | 250\% | 400\% | \% | 100\% | 175\% | 250\% | 400\% |
| Initial Percent | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| May 2002 | 97 | 90 | 90 | 90 | 90 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| May 2003 | 94 | 72 | 72 | 72 | 72 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| May 2004 | 90 | 48 | 48 | 48 | 48 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| May 2005 | 86 | 25 | 25 | 25 | 0 | 100 | 100 | 100 | 100 | 97 | 100 | 100 | 100 | 100 | 100 |
| May 2006 | 82 | 3 | 3 | 3 | 0 | 100 | 100 | 100 | 100 | 0 | 100 | 100 | 100 | 100 | 80 |
| May 2007 | 77 | 0 | 0 | 0 | 0 | 100 | 48 | 48 | 48 | 0 | 100 | 100 | 100 | 100 | 7 |
| May 2008 | 72 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 100 | 92 | 92 | 92 | 0 |
| May 2009 | 67 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 100 | 48 | 48 | 48 | 0 |
| May 2010 | 61 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 100 | 8 | 8 | 8 | 0 |
| May 2011 | 55 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| May 2012 | 48 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| May 2013 | 40 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| May 2014 | 32 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| May 2015 | 24 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| May 2016 | 14 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| May 2017 | 4 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| May 2018 | 0 | 0 | 0 | 0 | 0 | 78 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| May 2019 | 0 | 0 | 0 | 0 | 0 | 41 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| May 2020 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| May 2021 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 67 | 0 | 0 | 0 | 0 |
| May 2022 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30 | 0 | 0 | 0 | 0 |
| May 2023 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2024 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2025 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2026 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2027 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2028 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2029 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2030 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2031 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Weighted Average |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Life (years) . | 9.9 | 2.9 | 2.9 | 2.9 | 2.6 | 17.8 | 6.0 | 6.0 | 6.0 | 4.4 | 20.5 | 8.0 | 8.0 | 8.0 | 5.4 |

Security Group 1
PSA Prepayment Assumption Rates

| Distribution Date | des Prepay |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  | Class PG |  |  |  |  | Class PH |  |  |  |  |
|  | 0\% | 100\% | 175\% | 250\% | 400\% | 0\% | 100\% | 175\% | 250\% | 400\% | \% | 100\% | 175\% | 250\% | 400\% |
| Initial Percent | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| May 2002 | 100 | 100 | 100 | 100 | 100 | 55 | 0 | 0 | 0 | 0 | 100 | 96 | 96 | 96 | 96 |
| May 2003 | 100 | 100 | 100 | 100 | 100 | 6 | 0 | 0 | 0 | 0 | 100 | 71 | 71 | 71 | 71 |
| May 2004 | 100 | 100 | 100 | 100 | 100 | 0 | 0 | 0 | 0 | 0 | 96 | 40 | 40 | 40 | 40 |
| May 2005 | 100 | 100 | 100 | 100 | 100 | 0 | 0 | 0 | 0 | 0 | 91 | 10 | 10 | 10 | 0 |
| May 2006 | 100 | 100 | 100 | 100 | 100 | 0 | 0 | 0 | 0 | 0 | 85 | 0 | 0 | 0 | 0 |
| May 2007 | 100 | 100 | 100 | 100 | 100 | 0 | 0 | 0 | 0 | 0 | 79 | 0 | 0 | 0 | 0 |
| May 2008 | 100 | 100 | 100 | 100 | 57 | 0 | 0 | 0 | 0 | 0 | 72 | 0 | 0 | 0 | 0 |
| May 2009 | 100 | 100 | 100 | 100 | 20 | 0 | 0 | 0 | 0 | 0 | 65 | 0 | 0 | 0 | 0 |
| May 2010 | 100 | 100 | 100 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 57 | 0 | 0 | 0 | 0 |
| May 2011 | 100 | 74 | 74 | 74 | 0 | 0 | 0 | 0 | 0 | 0 | 49 | 0 | 0 | 0 | 0 |
| May 2012 | 100 | 47 | 47 | 47 | 0 | 0 | 0 | 0 | 0 | 0 | 40 | 0 | 0 | 0 | 0 |
| May 2013 | 100 | 23 | 23 | 23 | 0 | 0 | 0 | 0 | 0 | 0 | 30 | 0 | 0 | 0 | 0 |
| May 2014 | 100 | 4 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 19 | 0 | 0 | 0 | 0 |
| May 2015 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 0 |
| May 2016 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2017 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2018 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2019 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2020 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2021 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2022 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2023 | 92 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2024 | 53 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2025 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2026 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2027 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2028 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2029 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2030 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2031 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Weighted Average |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Life (years) . | 23.1 | 11.0 | 11.0 | 11.0 | 7.3 | 1.1 | 0.4 | 0.4 | 0.4 | 0.4 | 9.4 | 2.7 | 2.7 | 2.7 | 2.5 |

Security Group 1
PSA Prepayment Assumption Rates

| Distribution Date | PSA Prepayment Assumption Rates |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Class PJ |  |  |  |  | Class PV |  |  |  |  | Class PW |  |  |  |  |
|  | 0\% | 100\% | 175\% | 250\% | 400\% | 0\% | 100\% | 175\% | 250\% | 400\% | 0\% | 100\% | 175\% | 250\% | 400\% |
| Initial Percent | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| May 2002 | 100 | 100 | 100 | 100 | 100 | 93 | 93 | 93 | 93 | 93 | 100 | 100 | 100 | 100 | 100 |
| May 2003 | 100 | 100 | 100 | 100 | 100 | 86 | 86 | 86 | 86 | 86 | 100 | 100 | 100 | 100 | 100 |
| May 2004 | 100 | 100 | 100 | 100 | 100 | 79 | 79 | 79 | 79 | 79 | 100 | 100 | 100 | 100 | 100 |
| May 2005 | 100 | 100 | 100 | 100 | 0 | 71 | 71 | 71 | 71 | 71 | 100 | 100 | 100 | 100 | 100 |
| May 2006 | 100 | 19 | 19 | 19 | 0 | 62 | 62 | 62 | 62 | 62 | 100 | 100 | 100 | 100 | 100 |
| May 2007 | 100 | 0 | 0 | 0 | 0 | 53 | 53 | 53 | 53 | 53 | 100 | 100 | 100 | 100 | 100 |
| May 2008 | 100 | 0 | 0 | 0 | 0 | 43 | 43 | 43 | 43 | 43 | 100 | 100 | 100 | 100 | 100 |
| May 2009 | 100 | 0 | 0 | 0 | 0 | 32 | 32 | 32 | 32 | 32 | 100 | 100 | 100 | 100 | 100 |
| May 2010 | 100 | 0 | 0 | 0 | 0 | 21 | 21 | 21 | 21 | 0 | 100 | 100 | 100 | 100 | 98 |
| May 2011 | 100 | 0 | 0 | 0 | 0 | 9 | 9 | 9 | 9 | 0 | 100 | 100 | 100 | 100 | 0 |
| May 2012 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 95 | 95 | 95 | 95 | 0 |
| May 2013 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 77 | 77 | 77 | 77 | 0 |
| May 2014 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 57 | 57 | 57 | 57 | 0 |
| May 2015 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 36 | 0 | 0 | 0 | 0 |
| May 2016 | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 0 | 0 | 0 | 0 |
| May 2017 | 22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2018 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2019 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2020 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2021 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2022 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2023 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2024 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2025 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2026 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2027 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2028 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2029 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2030 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2031 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Weighted Average |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Life (years) . . . . | 15.5 | 4.8 | 4.8 | 4.8 | 3.8 | 6.0 | 6.0 | 6.0 | 6.0 | 5.8 | 13.3 | 12.8 | 12.8 | 12.8 | 9.5 |


| Distribution Date | Class ZJ |  |  |  |  | Class ZP |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | \% | 100\% | 175\% | 250\% | 400\% | 0\% | 100\% | 175\% | 250\% | 400\% |
| Initial Percent. | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| May 2002 | 107 | 107 | 77 | 46 | 0 | 107 | 107 | 107 | 107 | 107 |
| May 2003 | 114 | 114 | 26 | 0 | 0 | 114 | 114 | 114 | 114 | 114 |
| May 2004 | 121 | 121 | 0 | 0 | 0 | 121 | 121 | 121 | 121 | 121 |
| May 2005 | 130 | 130 | 0 | 0 | 0 | 130 | 130 | 130 | 130 | 130 |
| May 2006 | 138 | 138 | 0 | 0 | 0 | 138 | 138 | 138 | 138 | 138 |
| May 2007 | 148 | 148 | 0 | 0 | 0 | 148 | 148 | 148 | 148 | 148 |
| May 2008 | 157 | 157 | 0 | 0 | 0 | 157 | 157 | 157 | 157 | 157 |
| May 2009 | 168 | 168 | 0 | 0 | 0 | 168 | 168 | 168 | 168 | 168 |
| May 2010 | 179 | 179 | 0 | 0 | 0 | 179 | 179 | 179 | 179 | 179 |
| May 2011 | 191 | 191 | 0 | 0 | 0 | 191 | 191 | 191 | 191 | 187 |
| May 2012 | 204 | 204 | 0 | 0 | 0 | 204 | 204 | 204 | 204 | 139 |
| May 2013 | 218 | 206 | 0 | 0 | 0 | 218 | 218 | 218 | 218 | 103 |
| May 2014 | 232 | 177 | 0 | 0 | 0 | 232 | 232 | 232 | 232 | 76 |
| May 2015 | 248 | 143 | 0 | 0 | 0 | 248 | 236 | 236 | 236 | 56 |
| May 2016 | 250 | 106 | 0 | 0 | 0 | 264 | 193 | 193 | 193 | 41 |
| May 2017 | 250 | 67 | 0 | 0 | 0 | 274 | 158 | 158 | 158 | 30 |
| May 2018 | 250 | 26 | 0 | 0 | 0 | 274 | 128 | 128 | 128 | 22 |
| May 2019 | 250 | 0 | 0 | 0 | 0 | 274 | 104 | 104 | 104 | 16 |
| May 2020 | 250 | 0 | 0 | 0 | 0 | 274 | 83 | 83 | 83 | 11 |
| May 2021 | 250 | 0 | 0 | 0 | 0 | 274 | 66 | 66 | 66 | 8 |
| May 2022 | 250 | 0 | 0 | 0 | 0 | 274 | 52 | 52 | 52 | 6 |
| May 2023 | 250 | 0 | 0 | 0 | 0 | 274 | 41 | 41 | 41 | 4 |
| May 2024 | 250 | 0 | 0 | 0 | 0 | 274 | 31 | 31 | 31 | 3 |
| May 2025 | 250 | 0 | 0 | 0 | 0 | 274 | 23 | 23 | 23 | 2 |
| May 2026 | 250 | 0 | 0 | 0 | 0 | 166 | 17 | 17 | 17 | 1 |
| May 2027 | 250 | 0 | 0 | 0 | 0 | 13 | 12 | 12 | 12 | 1 |
| May 2028 | 94 | 0 | 0 | 0 | 0 | 8 | 8 | 8 | 8 | 0 |
| May 2029 | 0 | 0 | 0 | 0 | 0 | 4 | 4 | 4 | 4 | 0 |
| May 2030 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 2 | 2 | 0 |
| May 2031 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Weighted Average |  |  |  |  |  |  |  |  |  |  |
| Life (years) . | 26.8 | 14.9 | 1.5 | 0.9 | 0.6 | 25.3 | 18.3 | 18.3 | 18.3 | 13.2 |

Security Group 2
PSA Prepayment Assumption Rates

| Distribution Date |  |  |  |  |  |  | 硣 | 俍 |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Class CA |  |  |  |  | Class CB |  |  |  |  | Class 0D |  |  |  |  |
|  | 0\% | 100\% | 164\% | 250\% | 400\% | 0\% | 100\% | 164\% | 250\% | 400\% | 0\% | 100\% | 164\% | 250\% | 400\% |
| Initial Percent | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| May 2002 | 97 | 83 | 69 | 69 | 49 | 100 | 100 | 100 | 82 | 0 | 95 | 64 | 64 | 64 | 64 |
| May 2003 | 95 | 82 | 57 | 57 | 0 | 100 | 100 | 100 | 5 | 0 | 84 | 0 | 0 | 0 | 0 |
| May 2004 | 94 | 80 | 47 | 36 | 0 | 100 | 100 | 100 | 0 | 0 | 72 | 0 | 0 | 0 | 0 |
| May 2005 | 92 | 79 | 39 | 21 | 0 | 100 | 100 | 100 | 0 | 0 | 59 | 0 | 0 | 0 | 0 |
| May 2006 | 91 | 77 | 33 | 10 | 0 | 100 | 100 | 100 | 0 | 0 | 46 | 0 | 0 | 0 | 0 |
| May 2007. | 89 | 75 | 28 | 4 | 0 | 100 | 100 | 100 | 0 | 0 | 31 | 0 | 0 | 0 | 0 |
| May 2008 . | 87 | 74 | 26 | 1 | 0 | 100 | 100 | 100 | 0 | 0 | 15 | 0 | 0 | 0 | 0 |
| May 2009 | 85 | 71 | 24 | 0 | 0 | 100 | 100 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2010 | 83 | 68 | 22 | 0 | 0 | 100 | 100 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2011 | 81 | 62 | 20 | 0 | 0 | 100 | 100 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2012 . | 78 | 55 | 18 | 0 | 0 | 100 | 100 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2013 . | 76 | 46 | 16 | 0 | 0 | 100 | 100 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2014 | 73 | 37 | 13 | 0 | 0 | 100 | 100 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2015 . | 70 | 27 | 11 | 0 | 0 | 100 | 100 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2016 . | 67 | 16 | 9 | 0 | 0 | 100 | 100 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2017 | 64 | 6 | 6 | 0 | 0 | 100 | 100 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2018 | 60 | 3 | 4 | 0 | 0 | 100 | 100 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2019 . | 56 | 0 | 3 | 0 | 0 | 100 | 100 | 98 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2020 | 52 | 0 | 1 | 0 | 0 | 100 | 100 | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2021. | 48 | 0 | 0 | 0 | 0 | 100 | 100 | 78 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2022 | 43 | 0 | 0 | 0 | 0 | 100 | 100 | 64 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2023 . | 38 | 0 | 0 | 0 | 0 | 100 | 100 | 50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2024 | 33 | 0 | 0 | 0 | 0 | 100 | 100 | 38 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2025. | 28 | 0 | 0 | 0 | 0 | 100 | 88 | 27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2026 . | 22 | 0 | 0 | 0 | 0 | 100 | 57 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2027 . | 0 | 0 | 0 | 0 | 0 | 100 | 27 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2028 . | 0 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2029 . | 0 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2030 . | 0 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2031 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Weighted Average |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Life (years) . . . . | 17.5 | 9.9 | 4.9 | 2.4 | 1.0 | 29.7 | 25.3 | 22.2 | 1.4 | 0.5 | 4.5 | 1.2 | 1.2 | 1.2 | 1.2 |

Security Group 2
PSA Prepayment Assumption Rates

| Distribution Date | PSA Prepayment Assumption Rates |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Class OE |  |  |  |  | Class 0G |  |  |  |  | Class OH, OP and OY |  |  |  |  |
|  | 0\% | 100\% | 164\% | 250\% | 400\% | 0\% | 100\% | 164\% | 250\% | 400\% | 0\% | 100\% | 164\% | 250\% | 400\% |
| Initial Percent | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| May 2002 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| May 2003 | 100 | 93 | 93 | 93 | 85 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| May 2004 | 100 | 5 | 5 | 5 | 0 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| May 2005 | 100 | 0 | 0 | 0 | 0 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| May 2006 | 100 | 0 | 0 | 0 | 0 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| May 2007 | 100 | 0 | 0 | 0 | 0 | 100 | 100 | 100 | 100 | 74 | 100 | 100 | 100 | 100 | 100 |
| May 2008 | 100 | 0 | 0 | 0 | 0 | 100 | 100 | 100 | 100 | 44 | 100 | 100 | 100 | 100 | 100 |
| May 2009 | 98 | 0 | 0 | 0 | 0 | 100 | 100 | 100 | 100 | 21 | 100 | 100 | 100 | 100 | 100 |
| May 2010 | 74 | 0 | 0 | 0 | 0 | 100 | 87 | 87 | 87 | 4 | 100 | 100 | 100 | 100 | 100 |
| May 2011 | 47 | 0 | 0 | 0 | 0 | 100 | 65 | 65 | 65 | 0 | 100 | 100 | 100 | 100 | 81 |
| May 2012 | 19 | 0 | 0 | 0 | 0 | 100 | 45 | 45 | 45 | 0 | 100 | 100 | 100 | 100 | 60 |
| May 2013 | 0 | 0 | 0 | 0 | 0 | 100 | 29 | 29 | 29 | 0 | 100 | 100 | 100 | 100 | 44 |
| May 2014 | 0 | 0 | 0 | 0 | 0 | 100 | 16 | 16 | 16 | 0 | 100 | 100 | 100 | 100 | 32 |
| May 2015 | 0 | 0 | 0 | 0 | 0 | 100 | 5 | 5 | 5 | 0 | 100 | 100 | 100 | 100 | 23 |
| May 2016 . | 0 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 100 | 90 | 90 | 90 | 17 |
| May 2017 | 0 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 100 | 72 | 72 | 72 | 12 |
| May 2018 | 0 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 100 | 58 | 58 | 58 | 9 |
| May 2019 | 0 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 100 | 45 | 45 | 45 | 6 |
| May 2020 | 0 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 100 | 35 | 35 | 35 | 4 |
| May 2021 | 0 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 100 | 27 | 27 | 27 | 3 |
| May 2022 | 0 | 0 | 0 | 0 | 0 | 96 | 0 | 0 | 0 | 0 | 100 | 20 | 20 | 20 | 2 |
| May 2023 | 0 | 0 | 0 | 0 | 0 | 67 | 0 | 0 | 0 | 0 | 100 | 15 | 15 | 15 | 1 |
| May 2024 | 0 | 0 | 0 | 0 | 0 | 35 | 0 | 0 | 0 | 0 | 100 | 10 | 10 | 10 | 1 |
| May 2025 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 100 | 7 | 7 | 7 | 0 |
| May 2026 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19 | 4 | 4 | 4 | 0 |
| May 2027 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 2 | 2 | 0 |
| May 2028 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2029 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2030 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2031 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Weighted Average |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Life (years) . . . . | 9.9 | 2.5 | 2.5 | 2.5 | 2.2 | 22.5 | 11.0 | 11.0 | 11.0 | 6.9 | 24.7 | 18.4 | 18.4 | 18.4 | 12.5 |

Security Group 2
PSA Prepayment Assumption Rates

| Distribution Date | Class 0I |  |  |  |  | Class 0J |  |  |  |  | Class 0K |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | \% | 100\% | 164\% | 250\% | 400\% |  | 100\% | 164\% | 250\% | 400\% | 0\% | 100\% | 164\% | 250\% | 400\% |
| Initial Percent | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| May 2002 | 98 | 87 | 87 | 87 | 87 | 100 | 100 | 100 | 100 | 100 | 97 | 79 | 79 | 79 | 79 |
| May 2003 | 94 | 63 | 63 | 63 | 61 | 100 | 100 | 100 | 100 | 100 | 91 | 40 | 40 | 40 | 36 |
| May 2004 | 90 | 40 | 40 | 40 | 14 | 100 | 100 | 100 | 100 | 35 | 84 | 2 | 2 | 2 | 0 |
| May 2005 | 86 | 21 | 21 | 21 | 0 | 100 | 54 | 54 | 54 | 0 | 76 | 0 | 0 | 0 | 0 |
| May 2006 | 81 | 3 | 3 | 3 | 0 | 100 | 8 | 8 | 8 | 0 | 69 | 0 | 0 | 0 | 0 |
| May 2007 | 76 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 60 | 0 | 0 | 0 | 0 |
| May 2008 | 70 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 51 | 0 | 0 | 0 | 0 |
| May 2009 | 64 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 42 | 0 | 0 | 0 | 0 |
| May 2010 | 58 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 31 | 0 | 0 | 0 | 0 |
| May 2011. | 51 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 20 | 0 | 0 | 0 | 0 |
| May 2012. | 44 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 0 |
| May 2013 | 36 | 0 | 0 | 0 | 0 | 94 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2014 | 29 | 0 | 0 | 0 | 0 | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2015 | 21 | 0 | 0 | 0 | 0 | 54 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2016 | 12 | 0 | 0 | 0 | 0 | 32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2017 | 3 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2018 . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2019 . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2020 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2021 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2022 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2023 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2024 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2025 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2026 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2027 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2028 . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2029 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2030 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2031. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Weighted Average |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Life (years) . . | 9.6 | 2.7 | 2.7 | 2.7 | 2.1 | 14.1 | 4.1 | 4.1 | 4.1 | 2.9 | 6.8 | 1.7 | 1.7 | 1.7 | 1.6 |

Security Group 2
PSA Prepayment Assumption Rates

| Distribution Date | Class 0M |  |  |  |  | Class ON |  |  |  |  | Class ZC |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | \% | 100\% | 164\% | 250\% | 40\%\% | 0\% | 100\% | 164\% | 250\% | 400\% | \% | 100\% | 164\% | 250\% | 400\% |
| Initial Percent | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| May 2002 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 107 | 107 | 95 | 0 | 0 |
| May 2003 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 114 | 114 | 90 | 0 | 0 |
| May 2004 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 121 | 121 | 87 | 0 | 0 |
| May 2005 | 100 | 100 | 100 | 100 | 27 | 100 | 100 | 100 | 100 | 100 | 130 | 130 | 85 | 0 | 0 |
| May 2006 | 100 | 100 | 100 | 100 | 0 | 100 | 100 | 100 | 100 | 26 | 138 | 138 | 83 | 0 | 0 |
| May 2007 | 100 | 49 | 49 | 49 | 0 | 100 | 100 | 100 | 100 | 0 | 148 | 148 | 82 | 0 | 0 |
| May 2008 | 100 | 0 | 0 | 0 | 0 | 100 | 89 | 89 | 89 | 0 | 157 | 157 | 82 | 0 | 0 |
| May 2009 | 100 | 0 | 0 | 0 | 0 | 100 | 28 | 28 | 28 | 0 | 168 | 168 | 81 | 0 | 0 |
| May 2010 | 100 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 179 | 179 | 77 | 0 | 0 |
| May 2011 | 100 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 191 | 191 | 71 | 0 | 0 |
| May 2012 | 100 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 204 | 204 | 64 | 0 | 0 |
| May 2013 | 100 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 218 | 218 | 56 | 0 | 0 |
| May 2014 | 100 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 232 | 232 | 46 | 0 | 0 |
| May 2015 | 100 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 248 | 248 | 37 | 0 | 0 |
| May 2016 | 100 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 264 | 264 | 27 | 0 | 0 |
| May 2017 | 100 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 282 | 276 | 17 | 0 | 0 |
| May 2018 | 76 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 301 | 252 | 7 | 0 | 0 |
| May 2019 | 37 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 321 | 225 | 0 | 0 | 0 |
| May 2020 | 0 | 0 | 0 | 0 | 0 | 95 | 0 | 0 | 0 | 0 | 343 | 184 | 0 | 0 | 0 |
| May 2021 | 0 | 0 | 0 | 0 | 0 | 46 | 0 | 0 | 0 | 0 | 366 | 143 | 0 | 0 | 0 |
| May 2022 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 390 | 102 | 0 | 0 | 0 |
| May 2023 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 416 | 63 | 0 | 0 | 0 |
| May 2024 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 444 | 24 | 0 | 0 | 0 |
| May 2025 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 474 | 0 | 0 | 0 | 0 |
| May 2026 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 506 | 0 | 0 | 0 | 0 |
| May 2027 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 514 | 0 | 0 | 0 | 0 |
| May 2028 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 375 | 0 | 0 | 0 | 0 |
| May 2029 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 223 | 0 | 0 | 0 | 0 |
| May 2030 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 60 | 0 | 0 | 0 | 0 |
| May 2031 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Weighted Average |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Life (years) . | 17.7 | 6.0 | 6.0 | 6.0 | 3.8 | 19.9 | 7.6 | 7.6 | 7.6 | 4.8 | 27.7 | 20.0 | 11.4 | 0.4 | 0.1 |


| Security Group 3 <br> PSA Prepayment Assumption Rates |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | asses | , S, SA | and S |  |
| Distribution Date | 0\% | 150\% | 343\% | 500\% | 700\% |
| Initial Percent | 100 | 100 | 100 | 100 | 100 |
| May 2002. | 99 | 90 | 78 | 69 | 57 |
| May 2003. | 98 | 81 | 61 | 48 | 33 |
| May 2004. | 98 | 72 | 48 | 33 | 19 |
| May 2005. | 97 | 65 | 37 | 23 | 11 |
| May 2006. | 95 | 58 | 29 | 16 | 6 |
| May 2007. | 94 | 51 | 23 | 11 | 3 |
| May 2008. | 93 | 46 | 18 | 7 | 2 |
| May 2009. | 92 | 40 | 14 | 5 | 1 |
| May 2010. | 90 | 36 | 10 | 3 | 1 |
| May 2011. | 89 | 31 | 8 | 2 | 0 |
| May 2012. | 87 | 28 | 6 | 2 | 0 |
| May 2013. | 85 | 24 | 5 | 1 | 0 |
| May 2014. | 83 | 21 | 4 | 1 | 0 |
| May 2015. | 81 | 18 | 3 | 0 | 0 |
| May 2016. | 78 | 15 | 2 | 0 | 0 |
| May 2017. | 75 | 13 | 1 | 0 | 0 |
| May 2018. | 72 | 11 | 1 | 0 | 0 |
| May 2019. | 69 | 9 | 1 | 0 | 0 |
| May 2020. | 66 | 7 | 1 | 0 | 0 |
| May 2021. | 62 | 5 | 0 | 0 | 0 |
| May 2022. | 58 | 4 | 0 | 0 | 0 |
| May 2023. | 53 | 3 | 0 | 0 | 0 |
| May 2024. | 49 | 1 | 0 | 0 | 0 |
| May 2025. | 43 | 1 | 0 | 0 | 0 |
| May 2026 . | 37 | 0 | 0 | 0 | 0 |
| May 2027. | 31 | 0 | 0 | 0 | 0 |
| May 2028. | 24 | 0 | 0 | 0 | 0 |
| May 2029. | 17 | 0 | 0 | 0 | 0 |
| May 2030. | 9 | 0 | 0 | 0 | 0 |
| May 2031. | 0 | 0 | 0 | 0 | 0 |
| Weighted Average |  |  |  |  |  |
| Life (years). | 20.8 | 7.8 | 4.0 | 2.7 | 1.8 |

## Yield Considerations

An investor seeking to maximize yield should make a decision whether to invest in any Class based on the anticipated yield of that Class resulting from its purchase price, the investor's own projection of Mortgage Loan prepayment rates under a variety of scenarios and, in the case of 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, LIBOR levels or the yield of any Class.

## Prepayments Effet onYidds

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


## See"Risk Fadars - Rates of prinipal payments can reeduceyouryidd" inthis Suppement

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

- During periods of low prevailing interest rates, the yields at which an investor may be able to reinvest amounts received as principal payments on the investor's Class of Securities may be lower than the yield on that Class.
Slow rates of prepayments on the Mortgage Loans are likely to coincide with periods of high prevailing interest rates.
- During periods of high prevailing interest rates, the amount of principal payments available to an investor for reinvestment at those high rates may be relatively low.
The Mortgage Loans will not prepay at any constant rate until maturity, nor will all of the Mortgage Loans underlying any Group of Trust Assets prepay at the same rate at any one time. The timing of changes in the rate of prepayments may affect the actual yield to an investor, even if the average rate of principal prepayments is consistent with the investor's expectation. In general, the earlier a prepayment of principal on the Mortgage Loans, the greater the effect on an investor's yield. As a result, the effect on an investor's yield of principal prepayments occurring at a rate higher (or lower) than the rate anticipated by the investor during the period immediately following the Closing D ate is not likely to be offset by a later equivalent reduction (or increase) in the rate of principal prepayments.


## LIBOR: Effet onYidds of theFloatingRateandInveseFloatingRateClasses

Low levels of LIBOR can reduce the yields of the Floating Rate Classes. High levels of LIBO R can significantly reduce the yields of the Inverse Floating Rate Classes.

## Payment Dday: Effet aYiddsof theFixedRateandDdayClasses

The effective yield on any Fixed Rate or Delay Class will be less than the yield otherwise produced by its Interest Rate and purchase price because (1) on the first Distribution D ate, 30
days' interest will be payable on (or added to the principal amount of) that Class even though interest began to accrue approximately 50 days earlier with respect to the Group 1 Securities or 46 days earlier with respect to the Group 2 Securities and (2) on each subsequent Distribution Date, the interest payable will accrue during the related Accrual Period, which will end approximately 20 days earlier with respect to the Group 1 Securities or 16 days earlier with respect to the Group 2 and Group 3 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, the Mortgage Loans will have characteristics that differ from those of the Modeling Assumptions. Therefore, the actual pre-tax yield of any Class may differ from those shown in the applicable table below for that Class even if the Class is purchased at the assumed price shown.

The yields were calculated by

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

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

The information set forth in the following tables was prepared on the basis of the Modeling Assumptions and the assumptions that (1) the Interest Rate applicable to the 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 IP to Prepayments <br> Assumed Price 12.25\%*

PSA Prepayment Assumption Rates

| 100\% | 175\% | 250\% | 400\% | 676\% |
| :---: | :---: | :---: | :---: | :---: |
| 20.9\% | 20.9\% | 20.9\% | 17.6\% | .0\% |

[^0]| Sensitivity of Class JO to Prepayments Assumed Price 59.50\% |  |  |  |
| :---: | :---: | :---: | :---: |
| PSA Prepayment Assumption Rates |  |  |  |
| 100\% | 175\% | 250\% | 400\% |
| 2.2\% | 4.6\% | 16.4\% | 30.3\% |
| Sensitivity of Class SJ to Prepayments Assumed Price 92.75\%* |  |  |  |

## Sensitivity of Class SM to Prepayments

 Assumed Price 94.50\%*|  | PSA Prepayment Assumption Rates |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| LIBOR | 100\% | 175\% | 250\% | 400\% |
| 7.00\% and below. | 10.9\% | 10.9\% | 11.8\% | 13.1\% |
| 7.70\% | 5.5\% | 5.5\% | 6.5\% | 7.8\% |
| 8.40\% and above | 0.2\% | 0.3\% | 1.4\% | 2.7\% |

## SECURITY GROUP 2

## Sensitivity of Class OI to Prepayments

Assumed Price 13.00\%*
PSA Prepayment Assumption Rates

| 100\% | 164\% | 250\% | 400\% | 412\% |
| :---: | :---: | :---: | :---: | :---: |
| 17.2\% | 17.2\% | 17.2\% | 2.3\% | 0.1\% |

## Sensitivity of Class OP to Prepayments Assumed Price 56.00\%

| PSA Prepayment Assumption Rates |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| $\mathbf{1 0 0 \%}$ | $\mathbf{1 6 4 \%}$ | $\mathbf{2 5 0 \%}$ |  |  |
| $3.2 \%$ | $3.2 \%$ |  | $3.2 \%$ |  |
|  |  |  | $4.8 \%$ |  |

## Sensitivity of Class OY to Prepayments

Assumed Price 40.75\%*

PSA Prepayment Assumption Rates

| $\mathbf{1 0 0 \%} \%$ | $\mathbf{1 6 4 \%}$ | $\mathbf{2 5 0 \%}$ | $\mathbf{4 0 0} \%$ |  | $\mathbf{7 2 9} \%$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $15.1 \%$ |  | $15.1 \%$ |  | $12.5 \%$ | $0.0 \%$ |

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


## SECURITY GROUP 3

## Sensitivity of Class S to Prepayments

 Assumed Price 4.825\%*|  | PSA Prepayment Assumption Rates |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| LIB0R | 150\% | 343\% | 500\% | 700\% |
| 3.13\% | 92.7\% | 74.1\% | 58.0\% | 35.7\% |
| 4.13\% | 66.4\% | 49.4\% | 34.6\% | 14.1\% |
| 6.13\% | 18.2\% | 4.0\% | (8.3)\% | (25.3)\% |
| 7.50\% and above | ** | ** | ** | ** |

## Sensitivity of Class SA to Prepayments <br> Assumed Price 3.65\%*

|  | PSA Prepayment Assumption Rates |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| LIB0R | 150\% | 343\% | 500\% | 700\% |
| 3.13\%. | 113.8\% | 94.1\% | 76.9\% | 53.1\% |
| 4.13\%. | 77.7\% | 60.0\% | 44.7\% | 23.4\% |
| 6.13\%. | 13.2\% | (0.7)\% | (12.7)\% | (29.3)\% |
| 7.00\% and above | ** | ** | ** | ** |

## Sensitivity of Class SB to Prepayments Assumed Price 1.10\%*

|  | PSA Prepayment Assumption Rates |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| LIBOR | 150\% | 343\% | 500\% | 700\% |
| 7.00\% and below | 36.8\% | 21.6\% | 8.3\% | (10.1)\% |
| 7.25\%. | 11.6\% | (2.2)\% | (14.2)\% | (30.7)\% |
| 7.50\% and above | ** | ** | ** | ** |

[^1]
## CERTAIN FEDERAL INCOME TAX CONSEQUENCES

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

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

## REMIC Elections

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

## Regular Securities

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

The Class JO and OP 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 IP, OI, OY, SA and SB 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 deminimis market discount) under the OID rules based on the expected payments on these securities at the prepayment assumption described below.

The Class JZ, ZC, ZJ and ZP Securities are Accrual Securities. Holders of Accrual Securities are required to accrue all income from their Securities (other than income attributable to market discount or deminimis market discount) under the OID rules based on the expected payments on the Accrual Securities at the prepayment assumption described below.

In addition, based on anticipated prices (including accrued interest), the assumed Mortgage Loan characteristics, the prepayment assumptions described below and, in the case of the Floating Rate Securities, the constant LIBOR value described below, no Classes of Regular Securities other than SJ, SL, SM and those described in the preceding three paragraphs are expected to be issued with OID.

Prospective investors in the Securities should be aware, however, that the foregoing expectations about OID could change because of differences (1) between anticipated purchase prices and actual purchase prices or (2) between the assumed characteristics of the Trust Assets and the characteristics of the Trust Assets actually delivered to the Trust. The prepayment assumption that should be used in determining the rates of accrual of OID, if any, on the Regular Securities is 175\% PSA in the case of the G roup 1 Securities, 164\% PSA in the case of the Group 2 Securities, and $343 \%$ PSA in the case of the Group 3 Securities (as described in "Yield, Maturity and Prepayment Considerations" in this Supplement). In the case of the Floating Rate Classes, the value of LIBOR to be used for these determinations is $4.52 \%$ in the case of Class FJ, $4.46 \%$ in the case of Class FL, and $4.13 \%$ in the case of Class F. No representation is made, however, about the rate at which prepayments on the Mortgage Loans
underlying any G roup of Trust Assets actually will occur or the level of LIBOR at any time after the date of this Supplement. See "Cetain Feakal Income Tax Consequares" in the Base Offeing Ciralar.

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 ("FA SITs"), and "real estate assets" for real estate investment trusts ("REITs") as described in "Certain Federal Income Tax Consequences" in the Base Offering Circular. Similarly, interest on the Regular Securities will be considered "interest on obligations secured by mortgages on real property" for REITs.

## Residual Securities

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

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

On December 8, 2000, the IRS issued Revenue Procedure 2001-12, effective February 4, 2000 pending finalization of proposed regulations, which expands the safe harbor for transfers of noneconomic residual interests to include transfers to certain taxable domestic corporations with significant gross and net assets, provided that those corporations agree to transfer the residual interest only to other taxable domestic corporations in transactions qualifying for one of the safe harbor provisions. Eligibility for the expanded safe harbor requires, among other things, that the transferor not know of any facts or circumstances that reasonably indicate that the taxes associated with the residual interest will not be paid. The Revenue Procedure provides that transfers to foreign branches of domestic corporations or transfers involving arrangements that subject income from the residual interest to net tax by a foreign country or possession of the United States is not within the safe harbor, and also provides that if the amount of consideration given to the transferee to acquire the residual interest is so low that under any set of reasonable assumptions a reasonable person would conclude that the taxes associated with holding the residual interest will not be paid, then the transferor will be deemed to know that the transferee cannot or will not pay those taxes. See"Cetain Feedal IncomeTax Consequences - Tax Treatmet of Reidual Seenities - Nor-Reeogition of Cetain Transfas for Fedarl Income Tax Punposs's in the Base OffeingCiralar.

## MX Securities

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

## ERISA MATTERS

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

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

Se"ERISA Considzations" intheBaseOffeingCirular.
The Residual Securities are not offered to, and may not be transferred to, Plans.

## LEGAL INVESTMENT CON SIDERATIONS

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

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

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## PLAN OF DISTRIBUTION

Subject to the terms and conditions of the Sponsor Agreement, the Sponsor has agreed to purchase all of the Securities if any are sold and purchased. The Sponsor proposes to offer each Class to the public from time to time for sale in negotiated transactions at varying prices to be determined at the time of sale, plus accrued interest, if any, from (1) May 1, 2001 on the Fixed Rate and Delay Classes, (2) May 20, 2001 on the Group 1 Floating Rate and Inverse Floating Rate Classes (other than the Delay Classes) and (3) May 16, 2001 on the Group 3 Floating Rate and 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 D ate, 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) of each Class and (2) the Scheduled Principal Balances and Aggregate Scheduled Principal Balances of each Class receiving principal distributions 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, Washington, DC; for the Trust by Cleary, Gottlieb, Steen \& Hamilton, and Marcell Solomon \& A ssociates, P.C.; and for the Trustee by Ungaretti \& Harris, Chicago, Illinois.

## Schedule I

## Available Combinations

| REMIC | Securities | MX Securities |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Class | Original Class Principal Balance or Class Notional Balance | Related <br> Class | Maximum <br> Original Class <br> Principal Balance or Class Notional Balance (1) | Principal Type (2) | $\begin{gathered} \text { Interest } \\ \text { Rate } \\ \hline \end{gathered}$ | Interest <br> Type (2) | CUSIP <br> Number | $\begin{gathered} \text { Final } \\ \text { Distribution } \\ \text { Date (3) } \\ \hline \end{gathered}$ | $\begin{gathered} \text { Increased } \\ \text { Minimum } \\ \text { Denomination } \\ (4) \\ \hline \end{gathered}$ |
| Security Group 2 |  |  |  |  |  |  |  |  |  |
| Combination 1 |  |  |  |  |  |  |  |  |  |
| OP | \$16,149,758 | OH | \$ 16,149,758 | PAC | 6.50\% | FIX | 38373RHX 0 | May 2031 | N/A |
| OY | 16,149,758 |  |  |  |  |  |  |  |  |
| Combination 2 |  |  |  |  |  |  |  |  |  |
| OD | \$24,692,000 | OK | \$ 42,834,000 | PAC | 5.50\% | FIX | 38373RHY8 | February 2023 | N/A |
| OE | 18,142,000 |  |  |  |  |  |  |  |  |
| Security Group 3 |  |  |  |  |  |  |  |  |  |
| Combination 3 |  |  |  |  |  |  |  |  |  |
| SA | \$140,000,000 | S | \$140,000,000 | NTL(PT) | (5) | INV/ IO | 38373RHZ5 | May 2031 | \$2,073,000 |
| SB | 140,000,000 |  |  |  |  |  |  |  |  |

$\overline{(1)}$ The amount shown for each MX Class represents the maximum Original Class Principal Balance (or original Class Notional Balance) of that Class, assuming it were to be issued on the Closing D ate.
(2) As defined under "Class Types" in Appendix I to the Base Offering Circular.
(3) Se"Yidd Maturityand Prepayment Considarations- Final DistributionDate" inthis Supplement.
(4) 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.
(5) The Interest Rate will be calculated as described under "Terms Sheet - Interest Rates" in this Supplement.

## SCHEDULED PRINCIPAL BALANCES

| Distribution Date | Class A | Class CA |
| :---: | :---: | :---: |
| Initial Balance | \$23,122,500.00 | \$58,476,000.00 |
| June 2001 | 23,083,923.13 | 56,121,394.24 |
| July 2001. | 23,032,810.46 | 53,787,184.49 |
| August 2001 | 22,969,193.48 | 51,473,198.19 |
| September 2001. | 22,893,117.91 | 49,179,264.22 |
| O ctober 2001. | 22,804,643.63 | 46,905,212.88 |
| November 2001. | 22,703,844.76 | 44,650,875.92 |
| D ecember 2001 | 22,590,809.54 | 43,917,374.53 |
| January 2002 | 22,465,640.33 | 43,195,707.54 |
| February 2002. | 22,328,453.50 | 42,485,749.84 |
| March 2002. | 22,179,379.36 | 41,787,377.48 |
| A pril 2002. | 22,018,562.01 | 41,100,467.69 |
| May 2002. | 21,846,159.24 | 40,424,898.86 |
| June 2002 | 21,662,342.36 | 39,760,550.51 |
| July 2002 | 21,467,295.99 | 39,107,303.31 |
| August 2002 | 21,261,217.93 | 38,465,039.05 |
| September 2002. | 21,044,318.87 | 37,833,640.65 |
| O ctober 2002. | 20,816,822.23 | 37,212,992.12 |
| November 2002. | 20,578,963.83 | 36,602,978.56 |
| D ecember 2002 | 20,330,991.68 | 36,003,486.19 |
| January 2003 | 20,073,165.66 | 35,414,402.28 |
| February 2003. | 19,805,757.20 | 34,835,615.17 |
| March 2003. | 19,529,048.99 | 34,267,014.26 |
| April 2003. | 19,243,334.61 | 33,708,490.01 |
| May 2003. | 18,948,918.16 | 33,159,933.90 |
| June 2003 | 18,646,113.92 | 32,621,238.46 |
| July 2003. | 18,335,245.94 | 32,092,297.21 |
| August 2003 | 18,017,959.77 | 31,573,004.72 |
| September 2003. | 17,697,825.78 | 31,063,256.53 |
| O ctober 2003. | 17,378,304.44 | 30,562,949.19 |
| November 2003. | 17,061,970.07 | 30,071,980.23 |
| D ecember 2003 | 16,750,130.78 | 29,590,248.16 |
| January 2004 | 16,442,747.97 | 29,117,652.45 |
| February 2004. | 16,139,783.33 | 28,654,093.53 |
| March 2004. | 15,841,198.82 | 28,199,472.78 |
| April 2004. | 15,546,956.72 | 27,753,692.51 |
| May 2004. | 15,257,019.58 | 27,316,655.99 |
| June 2004 | 14,971,350.25 | 26,888,267.38 |
| July 2004 | 14,689,911.87 | 26,468,431.79 |
| August 2004 | 14,412,667.85 | 26,057,055.21 |
| September 2004. | 14,139,581.89 | 25,654,044.54 |
| O ctober 2004. | 13,870,617.97 | 25,259,307.57 |
| November 2004 | 13,605,740.35 | 24,872,752.98 |
| D ecember 2004 | 13,344,913.55 | 24,494,290.32 |
| January 2005 . . | 13,088,102.39 | 24,123,829.99 |

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| Distribution Date | Class A | Class CA |
| :---: | :---: | :---: |
| February 2005 | \$12,835,271.94 | \$23,761,283.28 |
| March 2005. | 12,586,387.54 | 23,406,562.31 |
| April 2005. | 12,341,414.82 | 23,059,580.06 |
| May 2005. | 12,100,319.66 | 22,720,250.33 |
| June 2005 | 11,863,068.20 | 22,388,487.77 |
| July 2005. | 11,629,626.85 | 22,064,207.82 |
| August 2005 | 11,399,962.27 | 21,747,326.76 |
| September 2005. | 11,174,041.40 | 21,437,761.68 |
| O ctober 2005. | 10,951,831.41 | 21,135,430.44 |
| November 2005. | 10,733,299.75 | 20,840,251.72 |
| D ecember 2005 | 10,518,414.11 | 20,552,144.98 |
| January 2006 | 10,307,142.41 | 20,271,030.44 |
| February 2006 | 10,099,422.87 | 19,996,829.12 |
| March 2006. | 9,895,313.91 | 19,729,462.78 |
| April 2006. | 9,694,694.22 | 19,468,853.95 |
| May 2006. | 9,497,562.72 | 19,214,925.90 |
| June 2006 | 9,303,888.59 | 18,967,602.65 |
| July 2006. | 9,113,641.23 | 18,726,808.95 |
| August 2006 | 8,926,790.29 | 18,492,470.30 |
| September 2006. | 8,743,305.67 | 18,264,512.89 |
| O ctober 2006. | 8,563,157.47 | 18,042,863.66 |
| November 2006. | 8,386,316.05 | 17,827,450.24 |
| D ecember 2006 | 8,212,752.00 | 17,618,200.97 |
| January 2007 | 8,042,436.13 | 17,415,044.89 |
| February 2007. | 7,875,339.48 | 17,217,911.72 |
| March 2007. | 7,711,433.33 | 17,026,731.87 |
| April 2007. | 7,550,689.17 | 16,841,436.44 |
| May 2007. | 7,393,078.73 | 16,661,957.20 |
| June 2007 | 7,238,573.93 | 16,488,226.56 |
| July 2007. | 7,087,146.94 | 16,320,177.63 |
| August 2007 | 6,938,770.14 | 16,157,744.14 |
| September 2007. | 6,793,416.13 | 16,000,860.49 |
| O ctober 2007. | 6,651,057.72 | 15,849,461.71 |
| November 2007. | 6,511,667.93 | 15,703,483.48 |
| D ecember 2007. | 6,375,220.01 | 15,562,862.10 |
| January 2008 | 6,241,687.39 | 15,427,534.49 |
| February 2008 | 6,111,043.74 | 15,297,438.21 |
| March 2008. | 5,983,262.93 | 15,172,511.40 |
| April 2008. | 5,858,319.01 | 15,052,692.85 |
| May 2008. | 5,736,186.28 | 14,937,921.92 |
| June 2008 | 5,616,839.21 | 14,828,138.58 |
| July 2008. | 5,500,252.48 | 14,723,283.38 |
| August 2008 | 5,386,400.97 | 14,623,297.49 |
| September 2008. | 5,275,259.76 | 14,529,032.59 |
| O ctober 2008. | 5,166,804.14 | 14,442,230.17 |
| November 2008. | 5,061,009.56 | 14,362,780.21 |
| D ecember 2008 | 4,957,851.70 | 14,290,574.07 |
| January 2009 | 4,857,306.42 | 14,225,504.37 |


| Distribution Date | Class A | Class CA |
| :---: | :---: | :---: |
| February 2009 . | \$4,759,349.78 | \$14,162,841.25 |
| March 2009. | 4,663,958.01 | 14,097,891.68 |
| April 2009. | 4,571,107.54 | 14,030,723.66 |
| May 2009. | 4,480,774.99 | 13,961,403.90 |
| June 2009 | 4,392,937.18 | 13,889,997.78 |
| July 2009 | 4,307,571.08 | 13,816,569.42 |
| August 2009 | 4,224,653.86 | 13,741,181.68 |
| September 2009. | 4,144,162.89 | 13,663,896.19 |
| O ctober 2009. | 4,066,075.70 | 13,584,773.36 |
| November 2009. | 3,990,370.00 | 13,503,872.40 |
| D ecember 2009 | 3,917,023.69 | 13,421,251.35 |
| January 2010 | 3,846,014.83 | 13,336,967.11 |
| February 2010 | 3,777,321.66 | 13,251,075.43 |
| March 2010. | 3,710,922.61 | 13,163,630.96 |
| April 2010. | 3,646,796.27 | 13,074,687.22 |
| May 2010. | 3,584,921.40 | 12,984,296.69 |
| June 2010 | 3,520,641.17 | 12,892,510.77 |
| July 2010 | 3,445,660.60 | 12,799,379.83 |
| August 2010 | 3,360,197.76 | 12,704,953.20 |
| September 2010. | 3,264,467.30 | 12,609,279.22 |
| O ctober 2010. | 3,158,680.55 | 12,512,405.23 |
| November 2010 | 3,043,045.48 | 12,414,377.61 |
| D ecember 2010 | 2,917,766.86 | 12,315,241.76 |
| January 2011 | 2,788,427.69 | 12,215,042.17 |
| February 2011 | 2,655,872.09 | 12,113,822.39 |
| March 2011. | 2,520,198.27 | 12,011,625.06 |
| April 2011. | 2,381,502.55 | 11,908,491.94 |
| May 2011. | 2,239,879.41 | 11,804,463.91 |
| June 2011 | 2,095,421.48 | 11,699,580.98 |
| July 2011 | 1,948,219.62 | 11,593,882.32 |
| August 2011 | 1,798,362.93 | 11,487,406.27 |
| September 2011. | 1,645,938.76 | 11,380,190.35 |
| O ctober 2011. | 1,491,032.77 | 11,272,271.28 |
| November 2011. | 1,333,728.93 | 11,163,684.99 |
| D ecember 2011 | 1,174,109.58 | 11,054,466.62 |
| January 2012 | 1,012,255.40 | 10,944,650.58 |
| February 2012 | 848,245.53 | 10,834,270.50 |
| March 2012. | 682,157.50 | 10,723,359.30 |
| A pril 2012. | 514,067.30 | 10,611,949.15 |
| May 2012. | 344,049.44 | 10,500,071.54 |
| June 2012 | 172,176.89 | 10,387,757.23 |
| July 2012 . | 0.00 | 10,275,036.32 |
| August 2012 | 0.00 | 10,161,938.24 |
| September 2012. | 0.00 | 10,048,491.74 |
| O ctober 2012. | 0.00 | 9,934,724.92 |
| November 2012. | 0.00 | 9,820,665.27 |
| D ecember 2012 | 0.00 | 9,706,339.62 |
| January 2013 | 0.00 | 9,591,774.21 |

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| Distribution D ate | Class A | Class CA |
| :---: | :---: | :---: |
| February 2013 | \$0.00 | \$9,476,994.66 |
| March 2013 | 0.00 | 9,362,026.00 |
| April 2013 | 0.00 | 9,246,892.68 |
| May 2013. | 0.00 | 9,131,618.58 |
| June 2013 | 0.00 | 9,016,227.01 |
| July 2013 | 0.00 | 8,900,740.73 |
| August 2013 | 0.00 | 8,785,181.97 |
| September 2013. | 0.00 | 8,669,572.41 |
| O ctober 2013. | 0.00 | 8,553,933.22 |
| November 2013. | 0.00 | 8,438,285.04 |
| D ecember 2013 | 0.00 | 8,322,648.04 |
| January 2014 | 0.00 | 8,207,041.85 |
| February 2014 | 0.00 | 8,091,485.66 |
| March 2014 | 0.00 | 7,975,998.15 |
| April 2014 . | 0.00 | 7,860,597.54 |
| May 2014. | 0.00 | 7,745,301.61 |
| June 2014 | 0.00 | 7,630,127.65 |
| July 2014 | 0.00 | 7,515,092.56 |
| August 2014 | 0.00 | 7,400,212.75 |
| September 2014. | 0.00 | 7,285,504.24 |
| O ctober 2014. | 0.00 | 7,170,982.63 |
| November 2014 | 0.00 | 7,056,663.09 |
| D ecember 2014 | 0.00 | 6,942,560.40 |
| January 2015 | 0.00 | 6,828,688.95 |
| February 2015 | 0.00 | 6,715,062.73 |
| March 2015. | 0.00 | 6,601,695.36 |
| April 2015. | 0.00 | 6,488,600.07 |
| May 2015. | 0.00 | 6,375,789.75 |
| June 2015 | 0.00 | 6,263,276.90 |
| July 2015 | 0.00 | 6,151,073.69 |
| A ugust 2015 | 0.00 | 6,039,191.94 |
| September 2015. | 0.00 | 5,927,643.12 |
| O ctober 2015. | 0.00 | 5,816,438.38 |
| November 2015. | 0.00 | 5,705,588.53 |
| D ecember 2015 | 0.00 | 5,595,104.08 |
| January 2016 | 0.00 | 5,484,995.21 |
| February 2016 | 0.00 | 5,375,271.79 |
| March 2016. | 0.00 | 5,265,943.39 |
| April 2016 | 0.00 | 5,157,019.31 |
| May 2016. | 0.00 | 5,048,508.51 |
| June 2016 | 0.00 | 4,940,419.72 |
| July 2016 | 0.00 | 4,832,761.34 |
| A ugust 2016 | 0.00 | 4,725,541.54 |
| September 2016. | 0.00 | 4,618,768.18 |
| O ctober 2016. | 0.00 | 4,512,448.90 |
| November 2016. | 0.00 | 4,406,591.06 |
| D ecember 2016 | 0.00 | 4,301,201.75 |
| January 2017 | 0.00 | 4,196,287.86 |


| Distribution Date | Class A | Class CA |
| :---: | :---: | :---: |
| February 2017. | \$0.00 | \$4,091,855.99 |
| March 2017 | 0.00 | 3,987,912.52 |
| April 2017. | 0.00 | 3,884,463.62 |
| May 2017. | 0.00 | 3,781,515.19 |
| June 2017 | 0.00 | 3,679,072.93 |
| July 2017. | 0.00 | 3,577,142.33 |
| August 2017 | 0.00 | 3,475,728.64 |
| September 2017. | 0.00 | 3,374,836.92 |
| O ctober 2017. | 0.00 | 3,274,472.02 |
| November 2017. | 0.00 | 3,174,638.59 |
| D ecember 2017 | 0.00 | 3,075,341.08 |
| January 2018 | 0.00 | 2,976,583.73 |
| February 2018 | 0.00 | 2,878,370.62 |
| March 2018. | 0.00 | 2,780,705.63 |
| April 2018. | 0.00 | 2,683,592.47 |
| May 2018. | 0.00 | 2,587,034.64 |
| June 2018 | 0.00 | 2,491,035.51 |
| July 2018 | 0.00 | 2,395,598.26 |
| August 2018 | 0.00 | 2,300,725.88 |
| September 2018. | 0.00 | 2,206,421.24 |
| O ctober 2018. | 0.00 | 2,112,687.03 |
| November 2018. | 0.00 | 2,019,525.78 |
| D ecember 2018 | 0.00 | 1,926,939.87 |
| January 2019 | 0.00 | 1,834,931.54 |
| February 2019 | 0.00 | 1,743,502.88 |
| March 2019 | 0.00 | 1,652,655.82 |
| April 2019. | 0.00 | 1,562,392.18 |
| May 2019. | 0.00 | 1,472,713.62 |
| June 2019 | 0.00 | 1,383,621.67 |
| July 2019 . | 0.00 | 1,295,117.76 |
| August 2019 | 0.00 | 1,207,203.14 |
| September 2019. | 0.00 | 1,119,878.98 |
| O ctober 2019. | 0.00 | 1,033,146.31 |
| November 2019 | 0.00 | 947,006.03 |
| D ecember 2019 | 0.00 | 861,458.95 |
| January 2020 | 0.00 | 776,505.75 |
| February 2020 | 0.00 | 692,147.00 |
| March 2020. | 0.00 | 608,383.16 |
| April 2020. | 0.00 | 525,214.60 |
| May 2020. | 0.00 | 442,641.56 |
| June 2020 | 0.00 | 360,664.21 |
| July 2020 | 0.00 | 279,282.59 |
| August 2020 | 0.00 | 198,496.67 |
| September 2020. | 0.00 | 118,306.32 |
| O ctober 2020. | 0.00 | 38,711.30 |
| November 2020 and | 0.00 | 0.00 |

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| Distribution Date | Classes PA, PB, PC, PD, PG, PH, PJ, PV, PW and ZP (in the aggregate) | Classes OD, OE, OG, OJ, OM, ON and OP (in the aggregate) |
| :---: | :---: | :---: |
| Initial Balance | \$264,249,000.00 | \$167,854,000.00 |
| June 2001 | 263,759,369.45 | 167,854,000.00 |
| July 2001 | 263,205,583.33 | 167,854,000.00 |
| August 2001 | 262,587,786.31 | 167,854,000.00 |
| September 2001. | 261,906,156.21 | 167,854,000.00 |
| O ctober 2001. | 261,160,903.90 | 167,854,000.00 |
| November 2001. | 260,352,273.25 | 167,854,000.00 |
| D ecember 2001 | 259,480,541.07 | 166,352,711.97 |
| January 2002 | 258,546,016.97 | 164,858,971.63 |
| February 2002 | 257,549,043.22 | 163,372,740.05 |
| March 2002. | 256,489,994.57 | 161,893,978.48 |
| A pril 2002. | 255,369,278.05 | 160,422,648.40 |
| May 2002. | 254,187,332.75 | 158,958,711.48 |
| June 2002 | 252,944,629.55 | 157,502,129.57 |
| July 2002 | 251,641,670.82 | 156,052,864.73 |
| August 2002 | 250,278,990.14 | 154,610,879.22 |
| September 2002. | 248,857,151.94 | 153,176,135.48 |
| October 2002. | 247,376,751.12 | 151,748,596.15 |
| November 2002. | 245,838,412.66 | 150,328,224.07 |
| D ecember 2002 | 244,242,791.20 | 148,914,982.26 |
| January 2003 | 242,590,570.61 | 147,508,833.94 |
| February 2003 | 240,882,463.48 | 146,109,742.50 |
| March 2003. | 239,119,210.63 | 144,717,671.53 |
| A pril 2003. | 237,301,580.62 | 143,332,584.83 |
| May 2003. | 235,430,369.13 | 141,954,446.34 |
| June 2003 | 233,506,398.47 | 140,583,220.21 |
| July 2003. | 231,530,516.92 | 139,218,870.79 |
| August 2003 | 229,510,316.04 | 137,861,362.59 |
| September 2003. | 227,463,351.87 | 136,510,660.31 |
| October 2003. | 225,406,902.38 | 135,166,728.83 |
| November 2003. | 223,353,987.42 | 133,829,533.21 |
| D ecember 2003 | 221,311,349.47 | 132,499,038.69 |
| January 2004 | 219,278,935.46 | 131,175,210.69 |
| February 2004 | 217,256,692.55 | 129,858,014.82 |
| March 2004. | 215,244,568.19 | 128,547,416.84 |
| April 2004. | 213,242,510.09 | 127,243,382.70 |
| May 2004. | 211,250,466.24 | 125,945,878.53 |
| June 2004 | 209,268,384.90 | 124,654,870.64 |
| July 2004 . | 207,296,214.56 | 123,370,325.48 |
| August 2004 | 205,333,904.03 | 122,092,209.72 |
| September 2004. | 203,381,402.35 | 120,820,490.16 |
| O ctober 2004. | 201,438,658.82 | 119,555,133.79 |
| November 2004. | 199,505,623.00 | 118,296,107.77 |
| D ecember 2004 | 197,582,244.74 | 117,043,379.42 |
| January 2005 | 195,668,474.10 | 115,796,916.25 |
| February 2005 | 193,764,261.44 | 114,556,685.90 |

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| Distribution Date | Classes PA, PB, PC, PD, PG, PH, PJ, PV, PW and ZP (in the aggregate) | Classes OD, OE, OG, OJ, OM, ON and OP (in the aggregate) |
| :---: | :---: | :---: |
| March 2005. | \$191,869,557.34 | \$113,322,656.21 |
| A pril 2005. | 189,984,312.67 | 112,094,795.16 |
| May 2005. | 188,108,478.52 | 110,873,070.93 |
| June 2005 | 186,242,006.24 | 109,657,451.82 |
| July 2005. | 184,384,847.44 | 108,447,906.32 |
| August 2005 | 182,536,953.98 | 107,244,403.07 |
| September 2005. | 180,698,277.95 | 106,046,910.89 |
| O ctober 2005. | 178,868,771.69 | 104,855,398.74 |
| November 2005. | 177,048,387.81 | 103,669,835.75 |
| D ecember 2005 | 175,237,079.13 | 102,490,191.19 |
| January 2006 | 173,434,798.74 | 101,316,434.52 |
| February 2006 | 171,641,499.94 | 100,148,535.34 |
| March 2006. | 169,857,136.30 | 98,986,463.40 |
| April 2006 . | 168,081,661.62 | 97,830,188.61 |
| May 2006. | 166,315,029.93 | 96,679,681.04 |
| June 2006 | 164,557,195.49 | 95,534,910.92 |
| July 2006 . | 162,808,112.82 | 94,395,848.61 |
| August 2006 | 161,067,736.65 | 93,262,464.63 |
| September 2006. | 159,336,021.96 | 92,134,729.68 |
| O ctober 2006. | 157,612,923.94 | 91,012,614.58 |
| November 2006. | 155,898,398.04 | 89,896,090.29 |
| D ecember 2006 | 154,192,399.91 | 88,785,127.96 |
| January 2007 | 152,494,885.44 | 87,679,698.86 |
| February 2007. | 150,805,810.75 | 86,579,774.41 |
| March 2007. | 149,125,132.18 | 85,485,326.18 |
| A pril 2007. | 147,452,806.30 | 84,396,325.89 |
| May 2007. | 145,788,789.90 | 83,312,745.39 |
| June 2007 | 144,133,039.98 | 82,234,556.70 |
| July 2007 . | 142,485,513.79 | 81,161,731.97 |
| August 2007 | 140,846,168.77 | 80,094,243.49 |
| September 2007. | 139,214,962.60 | 79,032,063.69 |
| O ctober 2007. | 137,591,853.15 | 77,975,165.16 |
| November 2007. | 135,976,798.55 | 76,923,520.61 |
| D ecember 2007 | 134,369,757.10 | 75,877,102.90 |
| January 2008 | 132,770,687.34 | 74,835,885.02 |
| February 2008 | 131,179,548.02 | 73,799,840.12 |
| March 2008. | 129,596,298.09 | 72,768,941.48 |
| April 2008. | 128,020,896.74 | 71,743,162.49 |
| May 2008. | 126,453,303.32 | 70,722,476.72 |
| June 2008 | 124,893,477.44 | 69,706,857.85 |
| July 2008 . | 123,341,378.90 | 68,696,279.69 |
| August 2008 | 121,796,967.68 | 67,690,716.20 |
| September 2008. | 120,260,204.00 | 66,690,141.48 |
| O ctober 2008. | 118,731,048.28 | 65,694,529.74 |
| November 2008. | 117,209,461.12 | 64,703,855.34 |
| D ecember 2008 | 115,695,403.36 | 63,718,092.77 |
| January 2009 | 114,188,835.99 | 62,737,216.63 |

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| Distribution Date | Classes PA, PB, PC, PD, PG, PH, PJ, PV, PW and ZP (in the aggregate) | Classes OD, OE, OG, OJ, OM, ON and OP (in the aggregate) |
| :---: | :---: | :---: |
| February 2009 . | \$112,689,720.25 | \$61,765,825.48 |
| March 2009. | 111,198,017.56 | 60,808,482.46 |
| April 2009. | 109,713,689.53 | 59,864,991.02 |
| May 2009. | 108,236,697.97 | 58,935,157.36 |
| June 2009 | 106,767,004.90 | 58,018,790.31 |
| July 2009 . | 105,304,572.52 | 57,115,701.34 |
| August 2009 | 103,849,363.23 | 56,225,704.52 |
| September 2009. | 102,401,339.62 | 55,348,616.46 |
| O ctober 2009. | 100,960,464.49 | 54,484,256.31 |
| November 2009. | 99,526,700.79 | 53,632,445.69 |
| D ecember 2009 | 98,100,011.71 | 52,793,008.71 |
| January 2010 | 96,680,360.60 | 51,965,771.85 |
| February 2010 | 95,267,710.99 | 51,150,564.03 |
| March 2010. | 93,862,026.63 | 50,347,216.48 |
| April 2010. | 92,463,271.43 | 49,555,562.78 |
| May 2010. | 91,071,409.48 | 48,775,438.80 |
| June 2010 | 89,691,040.84 | 48,006,682.67 |
| July 2010 . | 88,330,404.07 | 47,249,134.73 |
| August 2010 | 86,989,225.02 | 46,502,637.55 |
| September 2010. | 85,667,233.30 | 45,767,035.84 |
| O ctober 2010. | 84,364,162.22 | 45,042,176.48 |
| November 2010. | 83,079,748.73 | 44,327,908.44 |
| D ecember 2010 | 81,813,733.40 | 43,624,082.77 |
| January 2011 | 80,565,860.36 | 42,930,522.58 |
| February 2011 | 79,335,877.21 | 42,247,173.01 |
| March 2011. | 78,123,535.03 | 41,573,801.19 |
| April 2011. | 76,928,588.32 | 40,910,296.23 |
| May 2011. | 75,750,794.93 | 40,256,519.17 |
| June 2011 | 74,589,916.04 | 39,612,332.98 |
| July 2011 | 73,445,716.07 | 38,977,602.50 |
| August 2011 | 72,317,962.71 | 38,352,194.47 |
| September 2011. | 71,206,426.82 | 37,735,977.44 |
| O ctober 2011. | 70,110,882.40 | 37,128,821.79 |
| November 2011. | 69,031,106.54 | 36,530,599.67 |
| D ecember 2011 | 67,966,879.40 | 35,941,185.02 |
| January 2012 | 66,917,984.16 | 35,360,453.52 |
| February 2012 | 65,884,206.95 | 34,788,282.54 |
| March 2012. | 64,865,336.86 | 34,224,551.18 |
| A pril 2012. | 63,861,165.85 | 33,669,140.17 |
| May 2012. | 62,871,488.76 | 33,121,931.94 |
| June 2012 | 61,896,103.23 | 32,582,810.50 |
| July 2012 . | 60,934,809.68 | 32,051,661.48 |
| August 2012 | 59,987,411.26 | 31,528,372.10 |
| September 2012. | 59,053,713.85 | 31,012,831.13 |
| O ctober 2012. | 58,133,525.97 | 30,504,928.87 |
| November 2012. | 57,226,658.77 | 30,004,557.17 |
| D ecember 2012 | 56,332,926.02 | 29,511,609.33 |

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| Distribution Date | Classes PA, PB, PC, PD, PG, PH, PJ, <br> PV, PW and ZP (in the aggregate) | Classes OD, OE, OG, OJ, OM, ON and OP (in the aggregate) |
| :---: | :---: | :---: |
| January 2013 | \$55,452,144.01 | \$29,025,980.16 |
| February 2013 . | 54,584,131.58 | 28,547,565.93 |
| March 2013. | 53,728,710.05 | 28,076,264.32 |
| April 2013. | 52,885,703.20 | 27,611,974.44 |
| May 2013. | 52,054,937.23 | 27,154,596.80 |
| June 2013 | 51,236,240.73 | 26,704,033.29 |
| July 2013 . | 50,429,444.63 | 26,260,187.15 |
| A ugust 2013 | 49,634,382.22 | 25,822,962.97 |
| September 2013. | 48,850,889.05 | 25,392,266.66 |
| O ctober 2013. | 48,078,802.94 | 24,968,005.42 |
| November 2013. | 47,317,963.95 | 24,550,087.76 |
| D ecember 2013 | 46,568,214.33 | 24,138,423.45 |
| January 2014 | 45,829,398.50 | 23,732,923.50 |
| February 2014 | 45,101,363.04 | 23,333,500.17 |
| March 2014. | 44,383,956.61 | 22,940,066.93 |
| April 2014. | 43,677,029.97 | 22,552,538.45 |
| May 2014. | 42,980,435.95 | 22,170,830.59 |
| June 2014 | 42,294,029.37 | 21,794,860.37 |
| July 2014. | 41,617,667.08 | 21,424,545.97 |
| August 2014 | 40,951,207.89 | 21,059,806.70 |
| September 2014. | 40,294,512.56 | 20,700,563.00 |
| O ctober 2014. | 39,647,443.75 | 20,346,736.40 |
| November 2014. | 39,009,866.04 | 19,998,249.54 |
| D ecember 2014 | 38,381,645.86 | 19,655,026.12 |
| January 2015 | 37,762,651.47 | 19,316,990.91 |
| February 2015. | 37,152,752.98 | 18,984,069.72 |
| March 2015. | 36,551,822.25 | 18,656,189.38 |
| A pril 2015. | 35,959,732.94 | 18,333,277.78 |
| May 2015. | 35,376,360.43 | 18,015,263.76 |
| June 2015 | 34,801,581.84 | 17,702,077.19 |
| July 2015. | 34,235,275.96 | 17,393,648.89 |
| August 2015 | 33,677,323.27 | 17,089,910.67 |
| September 2015. | 33,127,605.90 | 16,790,795.26 |
| O ctober 2015. | 32,586,007.60 | 16,496,236.34 |
| November 2015. | 32,052,413.72 | 16,206,168.53 |
| D ecember 2015 | 31,526,711.21 | 15,920,527.34 |
| January 2016 | 31,008,788.56 | 15,639,249.18 |
| February 2016. | 30,498,535.82 | 15,362,271.36 |
| March 2016. | 29,995,844.54 | 15,089,532.04 |
| A pril 2016. | 29,500,607.79 | 14,820,970.28 |
| May 2016. | 29,012,720.09 | 14,556,525.95 |
| June 2016 | 28,532,077.44 | 14,296,139.79 |
| July 2016 . | 28,058,577.28 | 14,039,753.35 |
| August 2016 | 27,592,118.45 | 13,787,308.99 |
| September 2016. | 27,132,601.19 | 13,538,749.90 |
| O ctober 2016. | 26,679,927.14 | 13,294,020.05 |
| November 2016. . | 26,233,999.28 | 13,053,064.18 |


| Distribution Date | Classes PA, PB, PC, PD, PG, PH, PJ, PV, PW and ZP (in the aggregate) | Classes OD, OE, OG, OJ, OM, ON and OP (in the aggregate) |
| :---: | :---: | :---: |
| D ecember 2016 | \$25,794,721.94 | \$12,815,827.82 |
| January 2017 | 25,362,000.78 | 12,582,257.25 |
| February 2017 | 24,935,742.76 | 12,352,299.51 |
| March 2017. | 24,515,856.11 | 12,125,902.37 |
| April 2017. | 24,102,250.37 | 11,903,014.35 |
| May 2017. | 23,694,836.30 | 11,683,584.66 |
| June 2017 | 23,293,525.90 | 11,467,563.25 |
| July 2017 . | 22,898,232.40 | 11,254,900.76 |
| August 2017 | 22,508,870.24 | 11,045,548.51 |
| September 2017. | 22,125,355.01 | 10,839,458.51 |
| O ctober 2017. | 21,747,603.52 | 10,636,583.45 |
| November 2017. | 21,375,533.68 | 10,436,876.68 |
| D ecember 2017. | 21,009,064.58 | 10,240,292.18 |
| January 2018 | 20,648,116.41 | 10,046,784.62 |
| February 2018 | 20,292,610.48 | 9,856,309.26 |
| March 2018. | 19,942,469.18 | 9,668,822.02 |
| April 2018. | 19,597,615.99 | 9,484,279.42 |
| May 2018. | 19,257,975.43 | 9,302,638.59 |
| June 2018 | 18,923,473.10 | 9,123,857.29 |
| July 2018. | 18,594,035.60 | 8,947,893.83 |
| August 2018 | 18,269,590.57 | 8,774,707.13 |
| September 2018. | 17,950,066.65 | 8,604,256.69 |
| O ctober 2018. | 17,635,393.48 | 8,436,502.57 |
| November 2018. | 17,325,501.65 | 8,271,405.40 |
| D ecember 2018 | 17,020,322.75 | 8,108,926.34 |
| January 2019 | 16,719,789.29 | 7,949,027.14 |
| February 2019 | 16,423,834.74 | 7,791,670.03 |
| March 2019. | 16,132,393.50 | 7,636,817.83 |
| April 2019. | 15,845,400.85 | 7,484,433.85 |
| May 2019. | 15,562,793.00 | 7,334,481.91 |
| June 2019 | 15,284,507.04 | 7,186,926.37 |
| July 2019. | 15,010,480.94 | 7,041,732.06 |
| August 2019 | 14,740,653.52 | 6,898,864.33 |
| September 2019. | 14,474,964.46 | 6,758,289.01 |
| O ctober 2019. | 14,213,354.28 | 6,619,972.40 |
| November 2019. | 13,955,764.33 | 6,483,881.30 |
| D ecember 2019 | 13,702,136.79 | 6,349,982.95 |
| January 2020 | 13,452,414.61 | 6,218,245.07 |
| February 2020 | 13,206,541.57 | 6,088,635.84 |
| March 2020. | 12,964,462.22 | 5,961,123.88 |
| April 2020. | 12,726,121.89 | 5,835,678.24 |
| May 2020. | 12,491,466.65 | 5,712,268.44 |
| June 2020 | 12,260,443.36 | 5,590,864.40 |
| July 2020 . | 12,032,999.60 | 5,471,436.49 |
| August 2020 | 11,809,083.67 | 5,353,955.47 |
| September 2020. | 11,588,644.61 | 5,238,392.55 |
| O ctober 2020. | 11,371,632.18 | 5,124,719.31 |

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| Distribution Date | Classes PA, PB, PC, PD, PG, PH, PJ, PV, PW and ZP (in the aggregate) | Classes OD, OE, OG, OJ, OM, ON and OP (in the aggregate) |
| :---: | :---: | :---: |
| November 2020. | \$11,157,996.82 | \$5,012,907.77 |
| D ecember 2020 | 10,947,689.67 | 4,902,930.31 |
| January 2021 | 10,740,662.55 | 4,794,759.73 |
| February 2021. | 10,536,867.98 | 4,688,369.19 |
| March 2021. | 10,336,259.10 | 4,583,732.26 |
| April 2021. | 10,138,789.73 | 4,480,822.86 |
| May 2021. | 9,944,414.35 | 4,379,615.28 |
| June 2021 | 9,753,088.05 | 4,280,084.20 |
| July 2021 . | 9,564,766.57 | 4,182,204.64 |
| August 2021 | 9,379,406.24 | 4,085,951.96 |
| September 2021. | 9,196,964.04 | 3,991,301.91 |
| O ctober 2021. | 9,017,397.52 | 3,898,230.55 |
| November 2021. | 8,840,664.85 | 3,806,714.30 |
| D ecember 2021 | 8,666,724.77 | 3,716,729.89 |
| January 2022 | 8,495,536.61 | 3,628,254.42 |
| February 2022 . | 8,327,060.26 | 3,541,265.28 |
| March 2022. | 8,161,256.17 | 3,455,740.21 |
| April 2022. | 7,998,085.36 | 3,371,657.24 |
| May 2022. | 7,837,509.38 | 3,288,994.73 |
| June 2022 | 7,679,490.35 | 3,207,731.35 |
| July 2022 | 7,523,990.88 | 3,127,846.06 |
| August 2022 | 7,370,974.13 | 3,049,318.14 |
| September 2022. | 7,220,403.78 | 2,972,127.14 |
| O ctober 2022. | 7,072,244.01 | 2,896,252.93 |
| November 2022. | 6,926,459.50 | 2,821,675.65 |
| D ecember 2022 | 6,783,015.45 | 2,748,375.72 |
| January 2023 | 6,641,877.53 | 2,676,333.85 |
| February 2023 | 6,503,011.89 | 2,605,531.03 |
| March 2023. | 6,366,385.18 | 2,535,948.51 |
| A pril 2023. | 6,231,964.48 | 2,467,567.81 |
| May 2023. | 6,099,717.37 | 2,400,370.72 |
| June 2023 | 5,969,611.87 | 2,334,339.29 |
| July 2023 . | 5,841,616.47 | 2,269,455.82 |
| August 2023 | 5,715,700.06 | 2,205,702.87 |
| September 2023. | 5,591,832.03 | 2,143,063.25 |
| O ctober 2023. | 5,469,982.14 | 2,081,520.02 |
| November 2023. | 5,350,120.62 | 2,021,056.47 |
| D ecember 2023 | 5,232,218.11 | 1,961,656.14 |
| January 2024 | 5,116,245.65 | 1,903,302.81 |
| February 2024. | 5,002,174.71 | 1,845,980.48 |
| March 2024. | 4,889,977.14 | 1,789,673.39 |
| A pril 2024. | 4,779,625.21 | 1,734,366.01 |
| May 2024. | 4,671,091.58 | 1,680,043.01 |
| June 2024 | 4,564,349.27 | 1,626,689.32 |
| July 2024 . | 4,459,371.72 | 1,574,290.05 |
| August 2024 | 4,356,132.71 | 1,522,830.54 |
| September 2024. | 4,254,606.42 | 1,472,296.35 |

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| Distribution Date | Classes PA, PB, PC, PD, PG, PH, PJ, PV, PW and ZP (in the aggregate) | Classes OD, OE, OG, OJ, OM, ON and OP (in the aggregate) |
| :---: | :---: | :---: |
| O ctober 2024. | \$4,154,767.38 | \$1,422,673.23 |
| November 2024. | 4,056,590.49 | 1,373,947.15 |
| D ecember 2024 | 3,960,050.99 | 1,326,104.27 |
| January 2025 | 3,865,124.48 | 1,279,130.95 |
| February 2025 | 3,771,786.92 | 1,233,013.77 |
| March 2025. | 3,680,014.59 | 1,187,739.48 |
| April 2025. | 3,589,784.11 | 1,143,295.03 |
| May 2025. | 3,501,072.45 | 1,099,667.56 |
| June 2025 | 3,413,856.88 | 1,056,844.38 |
| July 2025 . | 3,328,115.02 | 1,014,813.01 |
| August 2025 | 3,243,824.79 | 973,561.13 |
| September 2025. | 3,160,964.42 | 933,076.62 |
| October 2025. | 3,079,512.46 | 893,347.51 |
| November 2025. | 2,999,447.77 | 854,362.01 |
| D ecember 2025 | 2,920,749.51 | 816,108.53 |
| January 2026 | 2,843,397.11 | 778,575.60 |
| February 2026 | 2,767,370.34 | 741,751.96 |
| March 2026. | 2,692,649.21 | 705,626.48 |
| April 2026. | 2,619,214.04 | 670,188.22 |
| May 2026. | 2,547,045.44 | 635,426.38 |
| June 2026 | 2,476,124.28 | 601,330.33 |
| July 2026 . | 2,406,431.70 | 567,889.58 |
| August 2026 | 2,337,949.12 | 535,093.81 |
| September 2026. | 2,270,658.22 | 502,932.83 |
| O ctober 2026. | 2,204,540.94 | 471,396.62 |
| November 2026. | 2,139,579.50 | 440,475.30 |
| D ecember 2026 | 2,075,756.34 | 410,159.12 |
| January 2027 | 2,013,054.16 | 380,438.49 |
| February 2027 | 1,951,455.93 | 351,303.95 |
| March 2027. | 1,890,944.85 | 322,746.19 |
| April 2027. | 1,831,504.34 | 294,756.02 |
| May 2027. | 1,773,118.10 | 267,324.39 |
| June 2027 | 1,715,770.02 | 240,442.40 |
| July 2027. | 1,659,444.25 | 214,101.25 |
| August 2027 | 1,604,125.16 | 188,292.30 |
| September 2027. | 1,549,797.34 | 163,007.01 |
| O ctober 2027. | 1,496,445.61 | 138,236.98 |
| November 2027. | 1,444,054.99 | 113,973.94 |
| D ecember 2027 | 1,392,610.74 | 90,209.72 |
| January 2028 | 1,342,098.31 | 66,936.28 |
| February 2028 | 1,292,503.37 | 44,145.72 |
| March 2028. | 1,243,811.80 | 21,830.22 |
| April 2028. | 1,196,009.68 | 0.00 |
| May 2028. | 1,149,083.29 | 0.00 |
| June 2028 | 1,103,019.09 | 0.00 |
| July 2028 . | 1,057,803.77 | 0.00 |
| August 2028 | 1,013,424.19 | 0.00 |

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| Distribution Date | Classes PA, PB, PC, PD, PG, PH, PJ, PV, PW and ZP (in the aggregate) | Classes OD, OE, OG, OJ and $O P$ (in the aggre |
| :---: | :---: | :---: |
| September 2028. | \$969,867.39 | \$0.00 |
| O ctober 2028. | 927,120.63 | 0.00 |
| November 2028. | 885,171.32 | 0.00 |
| D ecember 2028 | 844,007.07 | 0.00 |
| January 2029 | 803,615.67 | 0.00 |
| February 2029. | 763,985.08 | 0.00 |
| March 2029. | 725,103.44 | 0.00 |
| A pril 2029. | 686,959.05 | 0.00 |
| May 2029. | 649,540.39 | 0.00 |
| June 2029 | 612,836.10 | 0.00 |
| July 2029 . | 576,835.01 | 0.00 |
| A ugust 2029 | 541,526.07 | 0.00 |
| September 2029. | 506,898.42 | 0.00 |
| O ctober 2029. | 472,941.34 | 0.00 |
| November 2029. | 439,644.30 | 0.00 |
| D ecember 2029 | 406,996.87 | 0.00 |
| January 2030 | 374,988.82 | 0.00 |
| February 2030 . | 343,610.05 | 0.00 |
| March 2030. | 312,850.59 | 0.00 |
| A pril 2030. | 282,700.64 | 0.00 |
| May 2030. | 253,150.54 | 0.00 |
| June 2030 | 224,190.75 | 0.00 |
| July 2030 | 195,811.91 | 0.00 |
| A ugust 2030 | 168,004.75 | 0.00 |
| September 2030. | 140,760.16 | 0.00 |
| O ctober 2030. | 114,069.17 | 0.00 |
| November 2030. | 87,922.92 | 0.00 |
| D ecember 2030 | 62,312.70 | 0.00 |
| January 2031 | 39,933.96 | 0.00 |
| February 2031 | 24,760.88 | 0.00 |
| March 2031. | 9,901.47 | 0.00 |
| A pril 2031. | 1,984.41 | 0.00 |
| May 2031. | 0.00 | 0.00 |

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## $\$ 765,000,000$

# Govemment National Mortgage Association 

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

Guaranteed REMIC
Pass-Through Securities
and MX Securities
Ginnie Mae REMIC Trust 2001-19

## O FFERING CIRCULAR SUPPLEMENT May 24, 2001

UBS Warburg Blaylock \& Partners, L.P.


[^0]:    * The price does not include accrued interest. Accrued interest has been added to the price in calculating the yields set forth in the table.

[^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.

