

# \$1,011,329,123

# Government National Mortgage Association

## **GINNIE MAE**®

## Guaranteed REMIC Pass-Through Securities and MX Securities Ginnie Mae REMIC Trust 2016-083

#### The Securities

The Trust will issue the Classes of Securities listed on the front cover of this offering circular supplement.

## The Ginnie Mae Guaranty

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

#### The Trust and its Assets

The Trust will own (1) Ginnie Mae Certificates and (2) a certain previously issued certificate.

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-10 which highlights some of these risks.

The Sponsor and the Co-Sponsor will offer the securities from time to time in negotiated transactions at varying prices. We expect the closing date to be June 30, 2016.

You should read the Base Offering Circular as well as this Supplement.

The securities are exempt from registration under the Securities Act of 1933 and are "exempted securities" under the Securities Exchange Act of 1934.

Class of REMIC Securities	Original Principal Balance(2)	Interest Rate	Principal Type(3)	Interest Type(3)	CUSIP Number	Final Distribution Date(4)
Security Group 1						
PA	\$150,000,000	3.5%	PAC/AD	FIX	38379XHE3	June 2046
PZ	15,582,206	3.5	SUP	FIX/Z	38379XHF0	June 2046
Security Group 2						-
EA	55,000,000	3.5	PAC/AD	FIX	38379XHG8	June 2046
EZ	10,542,642	3.5	SUP	FIX/Z	38379XHH6	June 2046
Security Group 3						
CA	50,000,000	3.0	PAC/AD	FIX	38379XHJ2	June 2046
CI	7,142,857	3.5	NTL(PAC/AD)	FIX/IO	38379XHK9	June 2046
CZ	3,126,207	3.5	SUP	FIX/Z	38379XHL7	June 2046
Security Group 4	-, -, -,					
AZ	30,000,000	3.0	SUP	FIX/Z	38379XHM5	June 2046
JB(1)	1,991,093	3.0	PAC/AD	FIX	38379XHN3	June 2046
KB(1)	6,434,253	3.0	PAC/AD	FIX	38379XHP8	April 2046
MB(1)	8,665,194	3.0	PAC/AD	FIX	38379XHQ6	October 2045
MP(1)	148,113,092	3.0	PAC/AD	FIX	38379XHR4	January 2045
Security Group 5	- 10,110,07					
NA(1)	50,183,000	3.0	PAC/AD	FIX	38379XHS2	December 2044
NB(1)	2,909,000	3.0	PAC/AD	FIX	38379XHT0	September 2045
NC	3,051,000	3.0	PAC/AD	FIX	38379XHU7	June 2046
NZ	10,000,000	3.0	SUP	FIX/Z	38379XHV5	June 2046
	10,000,000	3.0	301	TIA/L	30379XIIV3	June 2040
Security Group 6	12 000 020	2.0	DA C/A D	ETY	202703/173/2	7 2045
BN(1)	12,080,020	3.0	PAC/AD	FIX	38379XHW3	June 2045
FA	40,247,348	(5)	PT	FLT	38379XHX1	June 2046
GA(1)	169,890,029	3.0	PAC/AD	FIX	38379XHY9	October 2043
GB(1)	12,595,162	3.0	PAC/AD	FIX	38379XHZ6	August 2044
PB(1)	15,143,167	3.0	PAC/AD	FIX	38379XJA9	June 2046
SA	40,247,348	(5) 3.0	NTL(PT)	INV/IO	38379XJB7	June 2046
ZA	25,503,158 6,272,552	3.0	SCH/AD SUP	FIX/Z FIX/Z	38379XJC5 38379XJD3	June 2046 June 2046
ZB	0,272,332	3.0	SUP	FIA/Z	363/9AJD3	Julie 2040
Security Group 7						
DA(1)	34,236,775	3.0	PAC/AD	FIX	38379XJE1	September 2045
<u>DB</u>	956,702	3.0	PAC/AD	FIX	38379XJF8	June 2046
DF	17,142,857	(5)	PT	FLT	38379XJG6	June 2046
DL(1)	1,402,213	3.0	PAC/AD	FIX	38379XJH4	March 2046
DS	17,142,857	(5)	NTL(PT)	INV/IO	38379XJJ0	June 2046
DZ	6,261,453	3.0	SUP	FIX/Z	38379XJK7	June 2046
Security Group 8						
IE(1)	9,984,500	3.5	NTL(SC/PT)	FIX/IO	38379XJL5	May 2046
QA(1)	36,141,382	3.0	PAC/AD	FIX	38379XJM3	June 2045
QB	3,205,294	3.0	PAC/AD	FIX	38379XJN1	June 2046
Q <u>I</u> (1)	7,000,000	3.5	NTL(PT)	FIX/IO	38379XJP6	June 2046
QZ	9,653,324	3.0	SUP	FIX/Z	38379XJQ4	June 2046
Security Group 9						
C(1)	75,000,000	3.0	PT	FIX	38379XJR2	June 2046
Residual						
RR	0	0.0	NPR	NPR	38379XJS0	June 2046
	<u> </u>	0.0	1.11.11		2007712000	Valle 20.0

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

## Goldman, Sachs & Co.

Ramirez & Co., Inc.

## **AVAILABLE INFORMATION**

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

- this Offering Circular Supplement (this "Supplement"),
- the Base Offering Circular and
- in the case of the Class IE securities, the disclosure document relating to the Underlying Certificate (the "Underlying Certificate Disclosure Document").

The Base Offering Circular and the Underlying Certificate Disclosure Document are available on Ginnie Mae's website located at http://www.ginniemae.gov.

If you do not have access to the internet, call BNY Mellon, which will act as information agent for the Trust, at (800) 234-GNMA, to order copies of the Base Offering Circular. In addition, you can obtain copies of any other document listed above by contacting BNY Mellon at the telephone number listed above.

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

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#### **TERMS SHEET**

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

**Sponsor:** Goldman, Sachs & Co.

Co-Sponsor: Samuel A. Ramirez & Company, Inc.

Trustee: U.S. Bank National Association

**Tax Administrator:** The Trustee **Closing Date:** June 30, 2016

Distribution Date: The 20th day of each month or, if the 20th day is not a Business Day, the first

Business Day thereafter, commencing in July 2016.

## **Trust Assets:**

Trust Asset Group or Subgroup (2)	Trust Asset Type	Certificate Rate	Original Term To Maturity (in years)
1	Ginnie Mae II	3.5%	30
2	Ginnie Mae II	3.5%	30
3	Ginnie Mae II	3.5%	30
4	Ginnie Mae II	3.0%	30
5	Ginnie Mae II	3.0%	30
6	Ginnie Mae II	3.5%	30
7	Ginnie Mae II	4.0%	30
8A	Ginnie Mae II	3.5%	30
8B	Underlying Certificate	(1)	(1)
9	Ginnie Mae II	3.0%	30

<sup>(1)</sup> Certain information regarding the Underlying Certificate is set forth in Exhibits A and B to this Supplement.

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

<sup>(2)</sup> The Group 8 Trust Assets consist of subgroups, Subgroup 8A and Subgroup 8B (each, a "Subgroup").

Assumed Characteristics of the Mortgage Loans Underlying the Group 1 through 7 and 9 and Subgroup 8A Trust Assets<sup>(1)</sup>:

Principal Balance	Weighted Average Remaining Term to Maturity (in months)	Weighted Average Loan Age (in months)	Weighted Average Mortgage Rate <sup>(2)</sup>
<b>Group 1 Trust Assets</b> \$165,582,206 <sup>(3)</sup>	357	3	3.890%
<b>Group 2 Trust Assets</b> \$65,542,642	316	37	3.800%
<b>Group 3 Trust Assets</b> \$53,126,207 <sup>(3)</sup>	357	3	3.890%
<b>Group 4 Trust Assets</b> \$195,203,632 <sup>(3)</sup>	356	2	3.440%
<b>Group 5 Trust Assets</b> \$66,143,000 <sup>(3)</sup>	355	2	3.436%
<b>Group 6 Trust Assets</b> \$281,731,436	354	2	3.900%
<b>Group 7 Trust Assets</b> \$60,000,000	359	1	4.440%
<b>Subgroup 8A Trust Assets</b> \$49,000,000	359	1	3.900%
<b>Group 9 Trust Assets</b> \$75,000,000 <sup>(3)</sup>	355	4	3.481%

<sup>(1)</sup> As of June 1, 2016.

The actual remaining terms to maturity, loan ages and Mortgage Rates of many of the Mortgage Loans underlying the Group 1 through 7 and 9 and Subgroup 8A Trust Assets will differ from the weighted averages shown above, perhaps significantly. See "The Trust Assets — The Mortgage Loans" in this Supplement.

**Characteristics of the Mortgage Loans Underlying the Subgroup 8B Trust Asset:** See Exhibit A to this Supplement for certain information regarding the characteristics of the Mortgage Loans included in the Underlying Trust.

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

<sup>&</sup>lt;sup>(2)</sup> The Mortgage Loans underlying the Group 1 through 7 and 9 and Subgroup 8A Trust Assets may bear interest at rates ranging from 0.25% to 1.50% per annum above the related Certificate Rate.

<sup>&</sup>lt;sup>(3)</sup> More than 10% of the Mortgage Loans underlying the Group 1, 3, 4, 5 and 9 Trust Assets may be higher balance Mortgage Loans. *See "Risk Factors" in this Supplement.* 

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

**Increased Minimum Denomination Classes:** Each Class that constitutes an Interest Only Class. *See "Description of the Securities — Form of Securities" in this Supplement.* 

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

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

Class	Interest Rate Formula(1)	Initial Interest Rate(2)	Minimum Rate	Maximum Rate	Delay (in days)	LIBOR for Minimum Interest Rate
DF	LIBOR + 0.40%	0.840%	0.40%	6.50%	0	0.00%
DS	6.10% - LIBOR	5.660%	0.00%	6.10%	0	6.10%
FA	LIBOR + 0.40%	0.842%	0.40%	6.50%	0	0.00%
SA	6.10% - LIBOR	5.658%	0.00%	6.10%	0	6.10%

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

**Allocation of Principal:** On each Distribution Date, the following distributions will be made to the related Securities:

## **SECURITY GROUP 1**

The Group 1 Principal Distribution Amount and the PZ Accrual Amount will be allocated in the following order of priority:

- 1. To PA, until reduced to its Scheduled Principal Balance for that Distribution Date
- 2. To PZ, until retired
- 3. To PA, without regard to its Scheduled Principal Balance, until retired

#### **SECURITY GROUP 2**

The Group 2 Principal Distribution Amount and the EZ Accrual Amount will be allocated in the following order of priority:

- 1. To EA, until reduced to its Scheduled Principal Balance for that Distribution Date
- 2. To EZ, until retired
- 3. To EA, without regard to its Scheduled Principal Balance, until retired

#### **SECURITY GROUP 3**

The Group 3 Principal Distribution Amount and the CZ Accrual Amount will be allocated in the following order of priority:

- 1. To CA, until reduced to its Scheduled Principal Balance for that Distribution Date
- 2. To CZ, until retired
- 3. To CA, without regard to its Scheduled Principal Balance, until retired

#### **SECURITY GROUP 4**

The Group 4 Principal Distribution Amount and the AZ Accrual Amount will be allocated in the following order of priority:

- 1. Sequentially, to MP, MB, KB and JB, in that order, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date
  - 2. To AZ, until retired
- 3. Sequentially, to MP, MB, KB and JB, in that order, without regard to their Aggregate Scheduled Principal Balance, until retired

#### **SECURITY GROUP 5**

The Group 5 Principal Distribution Amount and the NZ Accrual Amount will be allocated in the following order of priority:

- 1. Sequentially, to NA, NB and NC, in that order, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date
  - 2. To NZ, until retired
- 3. Sequentially, to NA, NB and NC, in that order, without regard to their Aggregate Scheduled Principal Balance, until retired

#### **SECURITY GROUP 6**

The Group 6 Principal Distribution Amount, the ZA Accrual Amount and the ZB Accrual Amount will be allocated as follows:

- The ZA Accrual Amount in the following order of priority:
- 1. Sequentially, to GA, GB, BN and PB, in that order, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date
  - 2. To ZA, until retired
- The ZB Accrual Amount in the following order of priority:
- 1. Sequentially, to GA, GB, BN and PB, in that order, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date
  - 2. To ZA, until reduced to its Scheduled Principal Balance for that Distribution Date
  - 3. To ZB, until retired
- The Group 6 Principal Distribution Amount, concurrently, as follows:
  - 1. 14.2857142857% to FA, until retired

- 2. 85.7142857143% in the following order of priority:
- a. Sequentially, to GA, GB, BN and PB, in that order, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date
  - b. To ZA, until reduced to its Scheduled Principal Balance for that Distribution Date
  - c. To ZB, until retired
  - d. To ZA, without regard to its Scheduled Principal Balance, until retired
- e. Sequentially, to GA, GB, BN and PB, in that order, without regard to their Aggregate Scheduled Principal Balance, until retired

#### **SECURITY GROUP 7**

The Group 7 Principal Distribution Amount and the DZ Accrual Amount will be allocated as follows:

- The DZ Accrual Amount in the following order of priority:
- 1. Sequentially, to DA, DL and DB, in that order, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date
  - 2. To DZ, until retired
- The Group 7 Principal Distribution Amount, concurrently, as follows:
  - 1. 28.5714283333% to DF, until retired
  - 2. 71.4285716667% in the following order of priority:
  - a. Sequentially, to DA, DL and DB, in that order, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date
    - b. To DZ, until retired
  - c. Sequentially, to DA, DL and DB, in that order, without regard to their Aggregate Scheduled Principal Balance, until retired

#### **SECURITY GROUP 8**

The Subgroup 8A Principal Distribution Amount and the QZ Accrual Amount will be allocated in the following order of priority:

- 1. Sequentially, to QA and QB, in that order, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date
  - 2. To QZ, until retired
- 3. Sequentially, to QA and QB, in that order, without regard to their Aggregate Scheduled Principal Balance, until retired

#### **SECURITY GROUP 9**

The Group 9 Principal Distribution Amount will be allocated to C, 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:

	Structuring Ranges
PAC Classes	
BN, GA, GB and PB (in the aggregate)	150% PSA through 250% PSA
CA	275% PSA through 335% PSA
DA, DB and DL (in the aggregate)	124% PSA through 225% PSA
EA	150% PSA through 275% PSA
JB, KB, MB and MP (in the aggregate)	135% PSA through 250% PSA
NA, NB and NC (in the aggregate)	133% PSA through 245% PSA
PA	275% PSA through 375% PSA
QA and QB (in the aggregate)	110% PSA through 250% PSA
Scheduled Class	
ZA*	205% PSA through 222% PSA
* The initial Effective Pange is 20/0% DSA through 2180% DSA	8

<sup>\*</sup> The initial Effective Range is 204% PSA through 218% PSA.

**Accrual Classes:** Interest will accrue on each Accrual Class identified on the 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 Balances or the outstanding principal or notional balance of the related Trust Asset Subgroup indicated:

Class	Original Class Notional Balance	Represents Approximately
AI	\$52,259,428	33.333333333% of MB and MP (in the aggregate) (PAC/AD Classes)
CI	7,142,857	14.2857142857% of CA (PAC/AD Class)
DI	8,909,747	25% of DA and DL (in the aggregate) (PAC/AD Classes)
DS	17,142,857	100% of DF (PT Class)
EI	\$ 7,000,000	14.2857142857% of the Subgroup 8A Trust Assets
	9,984,500	100% of the Subgroup 8B Trust Asset
	\$16,984,500	
GI	\$48,540,008	28.5714285714% of GA (PAC/AD Class)
IC	21,250,000	28.3333333333% of C (PT Class)
ID	8,559,193	25% of DA (PAC/AD Class)
ΙΕ	9,984,500	100% of the Subgroup 8B Trust Asset
IG	52,138,626	28.5714285714% of GA and GB (in the aggregate) (PAC/AD Classes)
IN	16,727,666	33.3333333333% of NA (PAC/AD Class)
IP	59,916,679	28.5714285714% of BN, GA, GB and PB (in the aggregate) (PAC/AD Classes)
IQ	10,326,109	28.5714285714% of QA (PAC/AD Class)
JI	54,404,179	33.3333333333% of KB, MB and MP (in the aggregate) (PAC/AD Classes)
KI	55,067,877	33.3333333333% of JB, KB, MB and MP (in the aggregate) (PAC/AD Classes)
MI	49,371,030	33.3333333333% of MP (PAC/AD Class)
NI	17,697,333	33.3333333333% of NA and NB (in the aggregate) (PAC/AD Classes)
PI	55,590,060	28.5714285714% of BN, GA and GB (in the aggregate) (PAC/AD Classes)
QI	7,000,000	14.2857142857% of the Subgroup 8A Trust Assets
SA	40,247,348	100% of FA (PT Class)

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

**Regular and Residual Classes:** Class RR is a Residual Class and represents the Residual Interest of the Issuing REMIC and the Pooling REMIC. All other Classes of REMIC Securities are Regular Classes.

#### **RISK FACTORS**

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

The rate of principal payments on the underlying mortgage loans will affect the rate of principal payments on your securities. The rate at which you will receive principal payments will depend largely on the rate of principal payments, including prepayments, on the mortgage loans underlying the related trust assets. Any historical data regarding mortgage loan prepayment rates may not be indicative of the rate of future prepayments on the underlying mortgage loans, and no assurances can be given about the rates at which the underlying mortgage loans will prepay. 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.

The terms of the mortgage loans may be modified to permit, among other things, a partial release of security, which releases a portion of the mortgaged property from the lien securing the related mortgage loan. Partial releases of security may reduce the value of the remaining security and also allow the related borrower to sell the released property and generate proceeds that may be used to prepay the related mortgage loan in whole or in part.

In addition to voluntary prepayments, mortgage loans can be prepaid as a result of governmental mortgage insurance claim payments, loss mitigation arrangements, repurchases or liquidations of defaulted mortgage loans. Although under certain circumstances Ginnie Mae issuers have the option to repurchase defaulted mortgage loans from the related pool underlying a Ginnie Mae MBS certificate, they are not obligated to do so. Defaulted mortgage loans that remain in pools backing Ginnie Mae MBS certificates may be subject to governmental mortgage insurance claim payments, loss mitigation arrangements or foreclosure, which could have the same effect as voluntary prepayments on the cash flow available to pay the securities. No assurances can be given as to the timing or frequency of any governmental mortgage insurance claim payments, issuer repurchases, loss mitigation arrangements or foreclosure proceedings with respect to defaulted mortgage loans and the resulting effect on the timing or rate of principal payments on your securities.

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 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.

Under certain circumstances, a Ginnie Mae issuer has the right to repurchase a defaulted mortgage loan from the related pool of mortgage loans underlying a particular Ginnie Mae MBS certificate, the effect of which would be comparable to a prepayment of such mortgage loan. At its option and without Ginnie Mae's prior consent, a Ginnie Mae issuer may repurchase any mortgage loan at an amount equal to par less any amounts previously advanced by such issuer in connection with its responsibilities as servicer of such mortgage loan to the extent that (i) in the case of a mortgage loan included in a pool of mortgage loans underlying a Ginnie Mae MBS certificate issued on or before December 1, 2002, such mortgage loan has been delinquent for four consecutive months, and at least one delinquent payment remains uncured or (ii) in the case of a mortgage loan included in a pool of mortgage loans underlying a Ginnie Mae MBS certificate issued on or after January 1, 2003, no payment

has been made on such mortgage loan for three consecutive months. Any such repurchase will result in prepayment of the principal balance or reduction in the notional balance of the securities ultimately backed by such mortgage loan. No assurances can be given as to the timing or frequency of any such repurchases.

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

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

Support securities will be more sensitive to rates of principal payments than other securities. If principal prepayments result in principal distributions on any distribution date equal to or less than the amount needed to produce scheduled payments on the PAC and scheduled classes, the related support class will not receive any principal distribution on that date. If prepayments result in principal distributions on any distribution date greater than the amount needed to produce scheduled payments on the related PAC and scheduled classes

for that distribution date, this excess will be distributed to the related support class.

The rate of payments on the underlying certificate will directly affect the rate of payments on the Class IE securities. The underlying certificate will be sensitive to:

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

This supplement contains no information as to whether the underlying certificate has performed as originally anticipated. Additional information as to the underlying certificate may be obtained by performing an analysis of current principal factors of the underlying certificate in light of applicable information contained in the underlying certificate disclosure document.

Up to 10% of the mortgage loans underlying the group 2, 6 and 7 and subgroup 8A trust assets and up to 100% of the mortgage loans underlying the group 1, 3, 4, 5 and 9 and subgroup 8B trust assets may be higher balance mortgage loans. Subject to special pooling parameters set forth in the Ginnie Mae Mortgage-Backed Securities Guide, qualifying federally-insured or guaranteed mortgage loans that exceed certain balance thresholds established by Ginnie Mae ("higher balance mortgage loans") may be included in Ginnie Mae guaranteed pools. There are no historical performance data regarding the prepayment rates for higher balance mortgage loans. If the higher balance mortgage loans prepay faster or slower than expected, the weighted average lives and yields of the related securities are likely to be affected, perhaps significantly. Furthermore, higher balance mortgage loans tend to be concentrated in certain geographic areas, which may experience relatively higher rates of defaults in the event of adverse economic conditions. No assurances can be given about the prepayment experience or performance of the higher balance mortgage loans.

The securities may not be a suitable investment for you. The securities, especially the Class IE securities and, in particular, the support, interest only, inverse floating rate, accrual and residual classes, are not suitable investments for all investors.

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

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

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

The residual securities may experience significant adverse tax timing consequences. Accordingly,

you are urged to consult tax advisors and to consider the after-tax effect of ownership of a residual security and the suitability of the residual securities to your investment objectives. See "Certain United States Federal Income Tax Consequences" in this supplement and in the base offering circular.

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

## The actual characteristics of the underlying mortgage loans will affect the weighted average lives and yields of your securities.

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

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

## THE TRUST ASSETS

#### General

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

## The Trust MBS (Groups 1 through 7 and 9 and Subgroup 8A)

The Group 1 through 7 and 9 and Subgroup 8A 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 issued prior to July 1, 2003 bears interest at a Mortgage Rate 0.50% to 1.50% per annum greater than the related Certificate Rate. Each Mortgage Loan underlying a Ginnie Mae II MBS Certificate issued on or after July 1, 2003 bears interest at a Mortgage Rate 0.25% to 0.75% 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 rate of the Ginnie Mae Certificate Guaranty Fee is used to pay the related servicers of the Mortgage Loans a monthly servicing fee.

## The Underlying Certificate (Subgroup 8B)

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

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

## The Mortgage Loans

The Mortgage Loans underlying the Group 1 through 7 and 9 and Subgroup 8A Trust Assets are expected to have, on a weighted average basis, the characteristics set forth in the Terms Sheet under "Assumed Characteristics of the Mortgage Loans Underlying the Group 1 through 7 and 9 and Subgroup 8A Trust Assets" and the general characteristics described in the Base Offering Circular. The Mortgage Loans underlying the Underlying Certificate are expected to have, on a weighted average basis, the characteristics set forth in Exhibit A to this Supplement. The Mortgage Loans will consist of first lien, single-family, fixed rate, residential mortgage loans that are insured or guaranteed by the Federal Housing Administration, the United States Department of Veterans Affairs, Rural Development (formerly the Rural Housing Service) or the United States Department of Housing and Urban Development ("HUD"). See "The Ginnie Mae Certificates — General" in the Base Offering Circular:

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

#### The Trustee Fee

The Sponsor will contribute certain Ginnie Mae Certificates in respect of the Trustee Fee. On each Distribution Date, the Trustee will retain all principal and interest distributions received on such Ginnie Mae Certificates in payment of the Trustee Fee.

#### **GINNIE MAE GUARANTY**

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

#### **DESCRIPTION OF THE SECURITIES**

#### General

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

#### Form of Securities

Each Class of Securities other than the Residual Securities initially will be issued and maintained, and may be transferred only on the Fedwire Book-Entry System. Beneficial Owners of Book-Entry Securities will ordinarily hold these Securities through one or more financial intermediaries, such as banks, brokerage firms and securities clearing organizations that are eligible to maintain book-entry accounts on the Fedwire Book-Entry System. By request accompanied by the payment of a transfer fee of \$25,000 per Certificated Security to be issued, a Beneficial Owner may receive a Regular Security in certificated form.

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

Each Regular and MX Class (other than the Increased Minimum Denomination Classes) will be issued in minimum dollar denominations of initial principal balance of \$1,000 and integral multiples of \$1 in excess of \$1,000. The Increased Minimum Denomination Classes will be issued in minimum denominations that equal \$100,000 in initial notional balance.

#### **Distributions**

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

Offering Circular, by wire transfer. See "Description of the Securities — Distributions" and "— Method of Distributions" in the Base Offering Circular.

#### **Interest Distributions**

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

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

#### Categories of Classes

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

#### Accrual Periods

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

Class	Accrual Period
Fixed Rate Classes	The calendar month preceding the related Distribution Date
Floating Rate and	From the 20th day of the month preceding the month of the related Distribution
Inverse Floating	Date through the 19th day of the month of that Distribution Date
Rate Classes	

#### Fixed Rate Classes

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

## Floating Rate and Inverse Floating Rate Classes

The Floating Rate and Inverse Floating Rate Classes will bear interest as shown under "Terms Sheet — Interest Rates" in this Supplement. The Interest Rates for the Floating Rate and Inverse Floating Rate Classes will be based on LIBOR. The Trustee or its agent will determine LIBOR on the basis of the ICE Benchmark Administration ("ICE") LIBOR method ("ICE LIBOR"), using the rate, expressed as a percentage per annum, for one-month U.S. Dollar deposits as it appears on the ICE Secure File Transfer Protocol (SFTP) service or on the Reuters Screen LIBOR01 Page (or any replacement Reuters page that displays that rate, or on the appropriate page of such other information service that publishes that rate from time to time in place of Reuters) as of 11:00 am London time on the related Floating Rate Adjustment Date. In the event that any other person takes over the administration of LIBOR, LIBOR shall be determined on the basis of the succeeding administration's LIBOR method. If on any Floating Rate Adjustment Date, the Trustee or its agent is unable to calculate LIBOR in accordance with the ICE LIBOR method, LIBOR for the next Accrual Period will be calculated in accordance with the LIBO method as described under "Description of the Securities — Interest Rate Indices — Determination of LIBOR — LIBO Method" in the Base Offering Circular.

We can provide no assurance that LIBOR for a Distribution Date accurately represents the offered rate at which one-month U.S. dollar deposits are being quoted to prime banks in the London interbank market, nor that the procedures for calculating LIBOR on the basis of the ICE LIBOR method for one-month U.S. dollar deposits will not change. Any change in LIBOR values resulting from any change in reporting or in the determination of LIBOR may cause LIBOR to fluctuate disproportionately to changes in other market lending rates.

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 Ginnie Mae's Multiclass Securities e-Access located on Ginnie Mae's website ("e-Access") or by calling the Information Agent at (800) 234-GNMA.

#### Accrual Classes

Each of Classes AZ, CZ, DZ, EZ, NZ, PZ, QZ, ZA and ZB is an Accrual Class. Interest will accrue on the Accrual Classes and be distributed as described under "Terms Sheet — Accrual Classes" in this Supplement.

## **Principal Distributions**

The Principal Distribution Amount for each Group or Subgroup, as applicable, and each Accrual Amount will be distributed to the Holders entitled thereto as described under "Terms Sheet — Allocation of Principal" in this Supplement. Investors can calculate the amount of principal to be distributed with respect to any Distribution Date by using the Class Factors published in the preceding and current months. See "— Class Factors" below.

#### Categories of Classes

For purposes of principal distributions, the Classes will be categorized as shown under "Principal Type" on the front cover of this Supplement and on Schedule I to this Supplement. The abbreviations used in this Supplement to describe the principal entitlements of the Classes 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 front cover of this Supplement and on Schedule I to this Supplement. The Class Notional Balances will be reduced 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 in "Certain United States 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 or Class Notional 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 Distribution Date, the factor (carried out to eight decimal places) that when multiplied by

the Original Class Principal Balance (or original Class Notional Balance) of that Class, determines the Class Principal Balance (or Class Notional Balance) after giving effect to the distribution of principal to be made on the Securities (and any addition to the Class Principal Balance of an Accrual Class) or any reduction of Class Notional Balance on that Distribution Date (each, a "Class Factor").

- The Class Factor for any Class of Securities for each 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 or any reduction of Class Notional Balance on the Distribution Date occurring in that month.
- The Class Factor for each Class for the month of issuance is 1.00000000.
- The Class Factors for the MX Classes and the Classes of REMIC Securities that are exchangeable for the MX Classes will be calculated assuming that the maximum possible amount of each Class is outstanding at all times, regardless of any exchanges that may occur.
- Based on the Class Factors published in the preceding and current months (and Interest Rates), investors in any Class (other than an Accrual Class) can calculate the amount of principal and interest to be distributed to that Class and investors in an 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 on the Distribution Date in the current month.
- Investors may obtain current Class Factors on e-Access.

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

#### **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. On any Distribution Date upon the Trustee's determination that the REMIC status of any Trust REMIC has been lost or that a substantial risk exists that this status will be lost for the then current taxable year, the Trustee will terminate the Trust and retire the Securities.

Upon any termination of the Trust, the Holder of any outstanding Security (other than a Residual or Notional Class Security) will be entitled to receive that Holder's allocable share of the Class Principal Balance of that Class plus any accrued and unpaid interest thereon at the applicable Interest Rate, and any Holder of any outstanding Notional Class Security will be entitled to receive that Holder's allocable share of any accrued and unpaid interest thereon at the applicable Interest Rate. The Residual Holders will be entitled to their pro rata share of any assets remaining in the 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 front cover may be exchanged for a proportionate interest in the related MX Class or Classes shown on Schedule I to this Supplement. Similarly, all or a portion of the related MX Class or Classes may be exchanged for proportionate interests in the related Class or Classes of REMIC Securities and, in the case of Combinations 1, 2, 3, 4, 7, 8, 9, 10, 11, 12, 15, 16, 17 and 19, other related MX Classes. This process may occur repeatedly.

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

In the case of Combinations 1, 2, 3, 4, 7, 8, 9, 10, 11, 12, 15, 16, 17 and 19, the related REMIC Securities may be exchanged for proportionate interests in various subcombinations of MX Classes. Similarly, all or a portion of these MX Classes may be exchanged for proportionate interests in the related REMIC Securities or in other subcombinations of the related MX Classes. Each subcombination may be effected only in proportions that result in the principal and interest entitlements of the Securities received being equal to the entitlements of the Securities surrendered. See the example under "Description of the Securities — Modification and Exchange" in the Base Offering Circular.

A Beneficial Owner proposing to effect an exchange must notify the Trustee through the Beneficial Owner's Book-Entry Depository participant. This notice must be received by the Trustee not later than two Business Days before the proposed exchange date. The exchange date can be any Business Day other than the last Business Day of the month. The notice must contain the outstanding principal and notional balances of the Securities to be included in the exchange and the proposed exchange date. The notice is required to be delivered to the Trustee by email to USBGNMATeam@USBank.com or in writing at its Corporate Trust Office at U.S. Bank National Association, One Federal Street, 3rd Floor, Boston, MA 02110, Attention: Ginnie Mae Program Agency Group 2016-083. The Trustee may be contacted by telephone at (617) 603-6451 and by fax at (617) 603-6644.

A fee will be payable to the Trustee in connection with each exchange equal to  $V_{32}$  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. The fee must be paid concurrently with the exchange.

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

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

## YIELD, MATURITY AND PREPAYMENT CONSIDERATIONS

#### General

The prepayment experience of the Mortgage Loans will affect the Weighted Average Lives of and the yields realized by investors in the related Securities.

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

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

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

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

The terms of the Mortgage Loans may be modified to permit, among other things, a partial release of security, which releases a portion of the mortgaged property from the lien securing the related Mortgage Loan. Partial releases of security may allow the related borrower to sell the released property and generate proceeds that may be used to prepay the related Mortgage Loan in whole or in part.

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

Investors in the Class IE Securities are urged to review the discussion under "Risk Factors — *The rate of payments on the underlying certificate will directly affect the rate of payments on the Class IE securities*" in this Supplement.

#### **Accretion Directed Classes**

Classes BN, CA, DA, DB, DL, EA, GA, GB, JB, KB, MB, MP, NA, NB, NC, PA, PB, QA, QB and ZA are Accretion Directed Classes. The related Accrual Amounts will be applied to making principal distributions on those Classes as described in this Supplement. Class CI is a Notional Class whose Class Notional Balance is determined by reference to the Class Principal Balance of the related Accretion Directed Class shown under "Terms Sheet — Notional Classes" in this Supplement.

Each of the Accretion Directed Classes has the AD designation in the suffix position, rather than the prefix position, in its class principal type because it does not have principal payment stability through the applicable pricing prepayment assumption. Although the Accretion Directed Classes are entitled to receive payments from the related Accrual Amounts, they do not have principal payment stability through any prepayment rate significantly higher than 0% PSA, except within their Effective Ranges.

#### 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. See "Terms Sheet — Scheduled Principal Balances." However, whether any such Class will adhere to its schedule and receive "Scheduled Payments" on a Distribution Date will largely depend on the level of prepayments experienced by the related Mortgage Loans.

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

	Initial Effective Ranges
PAC Classes	
BN, GA, GB and PB (in the aggregate)	150% PSA through 250% PSA
CA	275% PSA through 335% PSA
DA, DB and DL (in the aggregate)	124% PSA through 225% PSA
EA	150% PSA through 275% PSA
JB, KB, MB and MP (in the aggregate)	135% PSA through 250% PSA
NA, NB and NC (in the aggregate)	133% PSA through 245% PSA
PA	275% PSA through 375% PSA
QA and QB (in the aggregate)	110% PSA through 250% PSA
Scheduled Class	
ZA	204% PSA through 218% PSA

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

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

There is no assurance that the related Mortgage Loans will have the characteristics assumed in the Modeling Assumptions, which were used to determine the initial Effective Ranges. If the initial Effective Ranges were calculated using the actual characteristics of the related Mortgage Loans, the initial Effective Ranges could differ from those shown in the above 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 related 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, shift over time or cease to exist depending on the actual characteristics of the related Mortgage Loans.

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

## **Assumability**

Each Mortgage Loan may be assumed, subject to HUD review and approval, upon the sale of the related Mortgaged Property. See "Yield, Maturity and Prepayment Considerations — Assumability of Government Loans" in the Base Offering Circular.

#### **Final Distribution Date**

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

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

## **Modeling Assumptions**

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

- 1. The Mortgage Loans underlying the Group 1 through 7 and 9 and Subgroup 8A Trust Assets have the assumed characteristics shown under "Assumed Characteristics of the Mortgage Loans Underlying the Group 1 through 7 and 9 and Subgroup 8A 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 underlying a Group 1 through 7 or 9 or Subgroup 8A Trust Asset is assumed to have an original and a remaining term to maturity of 360 months and a Mortgage Rate of 1.50% 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 Securities are always received on the 20th day of the month, whether or not a Business Day, commencing in July 2016.
  - 4. A termination of the Trust or the Underlying Trust does not occur.
  - 5. The Closing Date for the Securities is June 30, 2016.
- 6. No expenses or fees are paid by the Trust other than the Trustee Fee, which is paid as described under "The Trust Assets The Trustee Fee" in this Supplement.
- 7. Distributions on the Underlying Certificate are made as described in the Underlying Certificate Disclosure Document.
  - 8. Each Class is held from the Closing Date and is not exchanged in whole or in part.

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

• For example, most of the Mortgage Loans will not have the characteristics assumed, many Distribution Dates will occur on a Business Day after the 20th day of the month, and the Trustee may cause a termination of the Trust as described under "Description of the Securities — Termination" in this Supplement.

• In addition, distributions on the Securities are based on Certificate Factors and Calculated Certificate Factors, if applicable, which may not reflect actual receipts on the Trust Assets.

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

#### **Decrement Tables**

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

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

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

The decrement tables also indicate the Weighted Average Life of each Class under each PSA Prepayment Assumption Rate. The Weighted Average Life of each Class is calculated by:

- (a) multiplying the net reduction, if any, of the Class Principal Balance (or the net reduction of the Class Notional Balance, in the case of a Notional Class) from one Distribution Date to the next Distribution Date by the number of years from the date of issuance thereof to the related Distribution Date,
- (b) summing the results, and
- (c) dividing the sum by the aggregate amount of the assumed net reductions in principal balance or notional balance, as applicable, referred to in clause (a).

The information shown for each Notional Class is for illustrative purposes only, as a Notional Class is not entitled to distributions of principal and has no Weighted Average Life. The Weighted Average Life shown for each Notional Class has been calculated on the assumption that a reduction in the Class Notional Balance thereof is a distribution of principal.

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

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

Security Group 1 PSA Prepayment Assumption Rates

	Class PA							Class PZ					
Distribution Date	0%	100%	275%	310%	375%	700%	0%	100%	275%	310%	375%	700%	
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	
June 2017	98	96	92	92	92	92	104	104	104	97	84	18	
June 2018	96	89	78	78	78	64	107	107	107	87	49	0	
June 2019	94	80	61	61	61	37	111	111	111	77	17	Õ	
June 2020	91	73	47	47	47	21	115	115	115	74	2	Õ	
June 2021	89	65	36	36	36	12	119	119	119	74	0	0	
June 2022	86	58	27	27	27	7	123	123	117	72	0	0	
June 2023	84	52	21	21	21	4	128	128	111	67	Ŏ	Ŏ	
June 2024	81	46	16	16	16	2	132	132	101	61	0	0	
June 2025	78	40	12	12	12	1	137	137	91	54	0	0	
June 2026	75	35	9	9	9	1	142	142	80	46	0	0	
June 2027	72	30	Ź	7	7	0	147	147	69	40	0	0	
June 2028	68	25	5	5	5	0	152	152	59	33	0	0	
June 2029	65	20	4	4	4	0	158	158	50	28	0	0	
June 2030	61	16	3	3	3	0	163	163	42	23	0	0	
June 2031	57	12	2	2	2	0	169	169	35	19	0	0	
June 2032	53	8	1	1	1	0	175	175	29	15	0	0	
June 2033	49	5	1	1	1	0	181	181	24	12	0	0	
June 2034	45	1	1	1	1	0	188	188	19	10	0	0	
June 2035	40	1	1	1	1	0	194	168	15	8	0	0	
June 2036	35	0	0	0	0	0	201	147	12	6	0	0	
June 2037	30	0	0	0	0	0	208	127	9	5	0	0	
June 2038	24	0	0	0	0	0	216	108	7	3	0	0	
June 2039	19	0	0	0	0	0	223	90	5	3	0	0	
June 2040	13	0	0	0	0	0	231	74	4	2	0	0	
June 2041	7	0	0	0	0	0	240	59	3	1	0	0	
June 2042	0	0	0	0	0	0	247	44	2	1	0	0	
June 2043	0	0	0	0	0	0	190	31	1	1	0	0	
June 2044	0	0	0	0	0	0	130	19	1	0	0	0	
June 2045	0	0	0	0	0	0	67	8	0	0	0	0	
June 2046	0	0	0	0	0	0	0	0	0	0	0	0	
Weighted Average													
Life (years)	15.6	8.0	4.7	4.7	4.7	2.9	28.1	23.2	13.0	9.7	2.0	0.7	

Security Group 2 PSA Prepayment Assumption Rates

			Class EA					Class EZ		
Distribution Date	0%	150%	200%	275%	400%	0%	150%	200%	275%	400%
Initial Percent	100	100	100	100	100	100	100	100	100	100
June 2017	98	86	86	86	86	104	104	85	58	12
June 2018	95	74	74	74	66	107	107	75	30	0
June 2019	92	62	62	62	49	111	111	69	12	0
June 2020	90	52	52	52	36	115	115	67	3	0
June 2021	87	42	42	42	27	119	119	67	0	0
June 2022	84	34	34	34	20	123	121	66	0	0
June 2023	80	28	28	28	14	128	120	64	0	0
June 2024	77	22	22	22	11	132	115	61	0	0
June 2025	73	18	18	18	8	137	109	57	0	0
June 2026	70	14	14	14	6	142	102	52	0	0
June 2027	66	11	11	11	4	147	94	47	0	0
June 2028	62	9	9	9	3	152	86	42	0	0
June 2029	58	7	7	7	2	158	77	37	0	0
June 2030	53	6	6	6	2	163	69	32	0	0
June 2031	49	4	4	4	1	169	61	28	0	0
June 2032	44	3	3	3	1	175	53	23	0	0
June 2033	39	3	3	3	1	181	45	20	0	0
June 2034	33	2	2	2	0	188	38	16	0	0
June 2035	28	1	1	1	0	194	32	13	0	0
June 2036	22	1	1	1	0	201	26	11	0	0
June 2037	16	1	1	1	0	208	21	8	0	0
June 2038	9	1	1	1	0	216	16	6	0	0
June 2039	2	0	0	0	0	223	12	4	0	0
June 2040	0	0	0	0	0	206	8	3	0	0
June 2041	0	0	0	0	0	176	4	1	0	0
June 2042	0	0	0	0	0	145	1	0	0	0
June 2043	0	0	0	0	0	111	0	0	0	0
June 2044	0	0	0	0	0	76	0	0	0	0
June 2045	0	0	0	0	0	39	0	0	0	0
June 2046	0	0	0	0	0	0	0	0	0	0
Weighted Average										
Life (years)	13.8	5.3	5.3	5.3	3.8	26.9	15.5	10.0	1.5	0.6

Security Group 3 PSA Prepayment Assumption Rates

	Classes CA and CI						Class CZ						
Distribution Date	0%	100%	275%	305%	335%	700%	0%	100%	275%	305%	335%	700%	
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	
June 2017	98	96	92	92	92	90	104	104	104	94	84	0	
June 2018	96	89	79	79	79	62	107	107	107	79	51	0	
June 2019	94	82	63	63	63	35	111	111	111	65	19	0	
June 2020	92	74	50	50	50	20	115	115	115	58	4	0	
June 2021	90	67	39	39	39	11	119	119	119	58	0	0	
June 2022	88	61	31	31	31	6	123	123	119	57	0	0	
June 2023	85	55	24	24	24	4	128	128	114	54	0	0	
June 2024	83	49	18	18	18	2	132	132	106	49	0	0	
June 2025	80	44	14	14	14	1	137	137	96	44	0	0	
June 2026	78	39	11	11	11	1	142	142	86	39	0	0	
June 2027	75	34	9	9	9	0	147	147	75	34	0	0	
June 2028	72	30	7	7	7	0	152	152	65	29	0	0	
June 2029	68	25	5	5	5	0	158	158	56	25	0	0	
June 2030	65	22	4	4	4	0	163	163	47	21	0	0	
June 2031	62	18	3	3	3	0	169	169	40	17	0	0	
June 2032	58	14	2	2	2	0	175	175	33	14	0	0	
June 2033	54	11	2	2	2	0	181	181	27	11	0	0	
June 2034	50	8	1	1	1	0	188	188	22	9	0	0	
June 2035	46	5	1	1	1	0	194	194	18	7	0	0	
June 2036	41	2	1	1	1	0	201	201	14	6	0	0	
June 2037	36	1	1	1	1	0	208	199	11	5	0	0	
June 2038	32	0	0	0	0	0	216	170	9	3	0	0	
June 2039	26	0	0	0	0	0	223	142	7	3	0	0	
June 2040	21	0	0	0	0	0	231	117	5	2	0	0	
June 2041	15	0	0	0	0	0	240	93	4	1	0	0	
June 2042	9	0	0	0	0	0	248	70	2	1	0	0	
June 2043	3	0	0	0	0	0	257	50	2	1	0	0	
June 2044	0	0	0	0	0	0	208	30	1	0	0	0	
June 2045	0	0	0	0	0	0	106	12	0	0	0	0	
June 2046	0	0	0	0	0	0	0	0	0	0	0	0	
Weighted Average													
Life (years)	16.7	8.8	5.1	5.1	5.1	2.8	28.8	24.8	13.5	8.3	2.1	0.5	

Security Group 4
PSA Prepayment Assumption Rates

		(	Class Al	3		Classe	s AC, A	D, AE, A	AG, AI a	nd AP		(	Class A7				(	lass BM	ſ	
Distribution Date	0%	135%	185%	250%	400%	0%	135%	185%	250%	400%	0%	135%	185%	250%	400%	0%	135%	185%	250%	400%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
June 2017	100	100	100	100	100	97	94	94	94	94	103	103	98	91	74	100	100	100	100	100
June 2018	100	100	100	100	100	95	85	85	85	85	106	106	89	66	16	100	100	100	100	100
June 2019	100	100	100	100	100	92	73	73	73	64	109	109	78	38	0	100	100	100	100	100
June 2020	100	100	100	100	100	89	62	62	62	46	113	113	70	18	0	100	100	100	100	100
June 2021	100	100	100	100	100	86	52	52	52	33	116	116	65	7	0	100	100	100	100	100
June 2022	100	100	100	100	100	83	43	43	43	23	120	120	64	1	0	100	100	100	100	100
June 2023	100	100	100	100	100	79	35	35	35	16	123	123	64	0	0	100	100	100	100	100
June 2024	100	100	100	100	100	76	28	28	28	10	127	124	63	0	0	100	100	100	100	100
June 2025	100	100	100	100	100	72	22	22	22	6	131	122	61	0	0	100	100	100	100	100
June 2026	100	100	100	100	100	69	17	17	17	3	135	118	58	0	0	100	100	100	100	76
June 2027	100	100	100	100	100	65	13	13	13	1	139	112	54	0	0	100	100	100	100	56
June 2028	100	100	100	100	83	60	10	10	10	0	143	105	50	0	0	100	100	100	100	41
June 2029	100	100	100	100	60	56	7	7	7	0	148	98	45	0	0	100	100	100	100	30
June 2030	100	100	100	100	44	52	5	5	5	0	152	90	41	0	0	100	91	91	91	22
June 2031	100	100	100	100	32	47	3	3	3	0	157	82	36	0	0	100	74	74	74	16
June 2032	100	100	100	100	23	42	1	1	1	0	162	74	32	0	0	100	59	59	59	11
June 2033	100	96	96	96	16	37	0	0	0	0	166	66	28	0	0	100	47	47	47	8
June 2034	100	77	77	77	12	32	0	0	0	0	171	59	24	0	0	100	38	38	38	6
June 2035	100	60	60	60	8	26	0	0	0	0	177	52	21	0	0	100	30	30	30	4
June 2036	100	47	47	47	6	21	0	0	0	0	182	45	18	0	0	100	23	23	23	3
June 2037	100	37	37	37	4	15	0	0	0	0	188	38	15	0	0	100	18	18	18	2
June 2038	100	28	28	28	3	8	0	0	0	0	193	32	12	0	0	100	14	14	14	1
June 2039	100	21	21	21	2	2	0	0	0	0	199	27	10	0	0	67	10	10	10	1
June 2040	15	15	15	15	1	0	0	0	0	0	203	22	8	0	0	8	8	8	8	1
June 2041	11	11	11	11	1	0	0	0	0	0	174	17	6	0	0	5	5	5	5	0
June 2042	7	7	7	7	0	0	0	0	0	0	142	13	4	0	0	4	4	4	4	0
June 2043	5	5	5	5	0	0	0	0	0	0	110	9	3	0	0	2	2	2	2	0
June 2044	3	3	3	3	0	0	0	0	0	0	75	5	2	0	0	1	1	1	1	0
June 2045	1	1	1	1	0	0	0	0	0	0	38	2	1	0	0	0	0	0	0	0
June 2046	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average																				
Life (years)	24.0	20.6	20.6	20.6	14.5	13.5	6.0	6.0	6.0	4.3	27.1	18.1	11.7	2.7	1.4	23.4	17.8	17.8	17.8	12.3

Security Group 4
PSA Prepayment Assumption Rates

							* *	_							
			Class JB			Cla	asses JC,	JD, JE, J	G, JI and	JP			Class KI	3	
Distribution Date	0%	135%	185%	250%	400%	0%	135%	185%	250%	400%	0%	135%	185%	250%	400%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
June 2017	100	100	100	100	100	98	94	94	94	94	100	100	100	100	100
June 2018	100	100	100	100	100	95	85	85	85	85	100	100	100	100	100
June 2019	100	100	100	100	100	92	74	74	74	66	100	100	100	100	100
June 2020	100	100	100	100	100	89	64	64	64	48	100	100	100	100	100
June 2021	100	100	100	100	100	86	54	54	54	36	100	100	100	100	100
June 2022	100	100	100	100	100	83	45	45	45	26	100	100	100	100	100
June 2023	100	100	100	100	100	80	37	37	37	19	100	100	100	100	100
June 2024	100	100	100	100	100	77	31	31	31	14	100	100	100	100	100
June 2025	100	100	100	100	100	73	25	25	25	10	100	100	100	100	100
June 2026	100	100	100	100	100	70	20	20	20	7	100	100	100	100	100
June 2027	100	100	100	100	100	66	16	16	16	5	100	100	100	100	100
June 2028	100	100	100	100	100	62	13	13	13	3	100	100	100	100	78
June 2029	100	100	100	100	100	58	11	11	11	2	100	100	100	100	48
June 2030	100	100	100	100	100	54	8	8	8	1	100	100	100	100	26
June 2031	100	100	100	100	100	49	6	6	6	0	100	100	100	100	11
June 2032	100	100	100	100	96	45	5	5	5	0	100	100	100	100	0
June 2033	100	100	100	100	69	40	4	4	4	0	100	95	95	95	0
June 2034	100	100	100	100	49	35	3	3	3	0	100	69	69	69	0
June 2035	100	100	100	100	35	29	2	2	2	0	100	48	48	48	0
June 2036	100	100	100	100	24	24	1	1	1	0	100	31	31	31	0
June 2037	100	100	100	100	17	18	1	1	1	0	100	17	17	17	0
June 2038	100	100	100	100	11	12	0	0	0	0	100	6	6	6	0
June 2039	100	89	89	89	8	6	0	0	0	0	100	0	0	0	0
June 2040	65	65	65	65	5	0	0	0	0	0	0	0	0	0	0
June 2041	47	47	47	47	3	0	0	0	0	0	0	0	0	0	0
June 2042	32	32	32	32	2	0	0	0	0	0	0	0	0	0	0
June 2043	20	20	20	20	1	0	0	0	0	0	0	0	0	0	0
June 2044	11	11	11	11	1	0	0	0	0	0	0	0	0	0	0
June 2045	4	4	4	4	0	0	0	0	0	0	0	0	0	0	0
June 2046	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average															
Life (years)	25.4	25.2	25.2	25.2	18.7	13.9	6.5	6.5	6.5	4.7	23.6	19.2	19.2	19.2	13.2

PSA	Prepayment	Assumption	Rates
- 0	- repuly mem	- LOOULING TO LO	******

	Class	es KC, K	D, KE, K	G, KI ar	nd KP			Class MI	3		Class	es MC, M	D, ME, M	IG, MI aı	nd MP
Distribution Date	0%	135%	185%	250%	400%	0%	135%	185%	250%	400%	0%	135%	185%	250%	400%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
June 2017	98	94	94	94	94	100	100	100	100	100	97	94	94	94	94
June 2018	95	85	85	85	85	100	100	100	100	100	94	84	84	84	84
June 2019	92	74	74	74	66	100	100	100	100	100	91	71	71	71	62
June 2020	90	64	64	64	49	100	100	100	100	100	88	60	60	60	43
June 2021	87	55	55	55	36	100	100	100	100	100	85	49	49	49	29
June 2022	84	46	46	46	27	100	100	100	100	100	82	40	40	40	18
June 2023	80	38	38	38	20	100	100	100	100	100	78	31	31	31	11
June 2024	77	32	32	32	15	100	100	100	100	100	75	24	24	24	5
June 2025	74	26	26	26	11	100	100	100	100	100	71	17	17	17	0
June 2026	70	21	21	21	8	100	100	100	100	54	67	12	12	12	0
June 2027	66	17	17	17	6	100	100	100	100	13	63	8	8	8	0
June 2028	63	14	14	14	4	100	100	100	100	0	58	4	4	4	0
June 2029	58	12	12	12	3	100	100	100	100	0	54	1	1	1	0
June 2030	54	9	9	9	2	100	83	83	83	0	49	0	0	0	0
June 2031	50	8	8	8	2	100	48	48	48	0	44	0	0	0	0
June 2032	45	6	6	6	1	100	20	20	20	0	39	0	0	0	0
June 2033	40	5	5	5	1	100	0	0	0	0	34	0	0	0	0
June 2034	35	4	4	4	1	100	0	0	0	0	28	0	0	0	0
June 2035	30	3	3	3	0	100	0	0	0	0	22	0	0	0	0
June 2036	25	2	2	2	0	100	0	0	0	0	16	0	0	0	0
June 2037	19	2	2	2	0	100	0	0	0	0	10	0	0	0	0
June 2038	13	1	1	1	0	100	0	0	0	0	3	0	0	0	0
June 2039	7	1	1	1	0	34	0	0	0	0	0	0	0	0	0
June 2040	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0
June 2041	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0
June 2042	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
June 2043	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
June 2044	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
June 2045	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
June 2046	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	14.1	6.7	6.7	6.7	4.8	22.9	15.0	15.0	15.0	10.2	13.0	5.5	5.5	5.5	4.0
Life (years)	14.1	0./	0./	0./	4.0	22.9	15.0	15.0	15.0	10.2	15.0	2.5	5.5	2.5	4.0

Security Group 5 PSA Prepayment Assumption Rates

	Cla	sses IN, I	NA, NK, IQ and N		NP,	Classe	s N, ND,	NE, NG,	NH, NI	and NJ			Class NE	1	
Distribution Date	0%	133%	165%	245%	400%	0%	133%	165%	245%	400%	0%	133%	165%	245%	400%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
June 2017	97	94	94	94	94	97	94	94	94	94	100	100	100	100	100
June 2018	94	84	84	84	84	95	85	85	85	85	100	100	100	100	100
June 2019	91	72	72	72	62	92	73	73	73	64	100	100	100	100	100
June 2020	88	60	60	60	43	89	62	62	62	46	100	100	100	100	100
June 2021	85	50	50	50	29	86	53	53	53	32	100	100	100	100	100
June 2022	82	40	40	40	18	83	44	44	44	23	100	100	100	100	100
June 2023	78	32	32	32	10	79	35	35	35	15	100	100	100	100	100
June 2024	75	24	24	24	4	76	28	28	28	10	100	100	100	100	100
June 2025	71	18	18	18	0	72	22	22	22	6	100	100	100	100	100
June 2026	67	13	13	13	0	69	17	17	17	3	100	100	100	100	47
June 2027	63	8	8	8	0	65	13	13	13	0	100	100	100	100	6
June 2028	58	5	5	5	0	61	10	10	10	0	100	100	100	100	0
June 2029	54	2	2	2	0	56	7	7	7	0	100	100	100	100	0
June 2030	49	0	0	0	0	52	5	5	5	0	100	84	84	84	0
June 2031	44	0	0	0	0	47	3	3	3	0	100	49	49	49	0
June 2032	39	0	0	0	0	42	1	1	1	0	100	19	19	19	0
June 2033	34	0	0	0	0	37	0	0	0	0	100	0	0	0	0
June 2034	28	0	0	0	0	32	0	0	0	0	100	0	0	0	0
June 2035	22	0	0	0	0	27	0	0	0	0	100	0	0	0	0
June 2036	16	0	0	0	0	21	0	0	0	0	100	0	0	0	0
June 2037	10	0	0	0	0	15	0	0	0	0	100	0	0	0	0
June 2038	3	0	0	0	0	9	0	0	0	0	100	0	0	0	0
June 2039	0	0	0	0	0	2	0	0	0	0	39	0	0	0	0
June 2040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
June 2041	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
June 2042	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
June 2043	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
June 2044	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
June 2045	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
June 2046	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average															
Life (years)	13.0	5.5	5.5	5.5	3.9	13.5	6.0	6.0	6.0	4.3	22.9	15.0	15.0	15.0	10.0

PSA	Prepayment	Assumption	Rates

			Class NC					Class NZ		
Distribution Date	0%	133%	165%	245%	400%	0%	133%	165%	245%	400%
Initial Percent	100	100	100	100	100	100	100	100	100	100
June 2017	100	100	100	100	100	103	103	99	91	73
June 2018	100	100	100	100	100	106	106	95	67	14
June 2019	100	100	100	100	100	109	109	89	38	0
June 2020	100	100	100	100	100	113	113	84	19	0
June 2021	100	100	100	100	100	116	116	82	7	0
June 2022	100	100	100	100	100	120	120	82	1	0
June 2023	100	100	100	100	100	123	123	83	0	0
June 2024	100	100	100	100	100	127	124	83	0	0
June 2025	100	100	100	100	100	131	122	81	0	0
June 2026	100	100	100	100	100	135	119	77	0	0
June 2027	100	100	100	100	100	139	113	73	Ŏ	Ö
June 2028	100	100	100	100	77	143	106	68	0	0
June 2029	100	100	100	100	56	148	99	62	0	0
June 2030	100	100	100	100	41	152	91	57	Õ	Ö
June 2031	100	100	100	100	30	157	84	51	0	0
June 2032	100	100	100	100	21	162	76	45	0	0
June 2033	100	95	95	95	15	166	68	40	Ŏ	0
June 2034	100	76	76	76	11	171	60	35	0	0
June 2035	100	60	60	60	8	177	53	30	0	0
June 2036	100	47	47	47	5	182	46	26	Ŏ	0
June 2037	100	37	37	37	4	188	39	22	0	0
June 2038	100	28	28	28	3	193	33	18	0	0
June 2039	100	21	21	21	2	199	27	15	Õ	Ŏ
June 2040	19	15	15	15	1	205	22	12	0	0
June 2041	11	11	11	11	1	176	17	9	0	0
June 2042	7	7	7	7	0	145	13	ź	Õ	Ŏ
June 2043	5	5	5	5	Õ	111	9	4	0	0
June 2044	2	2	$\tilde{2}$	2	ŏ	76	5	3	Ő	Õ
June 2045	- ĩ	- ī	1	- 1	ŏ	39	2	í	ő	0
June 2046	0	0	0	0	ŏ	0	0	0	Ŏ	Õ
Weighted Average	~	,	9	9	~	· ·	,	,	9	~
Life (years)	24.1	20.6	20.6	20.6	14.3	27.2	18.2	14.7	2.7	1.4

Security Group 6 PSA Prepayment Assumption Rates

		(	Class BO	j.			(	Class BI	N			(	Class BI	•			Class	es FA aı	nd SA	
Distribution Date	0%	150%	200%	250%	400%	0%	150%	200%	250%	400%	0%	150%	200%	250%	400%	0%	150%	200%	250%	400%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
June 2017	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	99	96	95	94	91
June 2018	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	97	88	85	83	75
June 2019	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	95	79	74	69	56
June 2020	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	94	70	63	57	42
June 2021	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	92	62	55	48	31
June 2022	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	90	55	47	39	23
June 2023	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	88	49	40	33	17
June 2024	100	100	100	100	76	100	100	100	100	100	100	100	100	100	100	86	43	34	27	13
June 2025	100	100	100	100	56	100	100	100	100	59	100	100	100	100	82	84	38	29	22	9
June 2026	100	100	100	100	41	100	100	100	100	10	100	100	100	100	60	81	34	25	18	7
June 2027	100	91	91	91	30	100	100	100	100	0	100	100	100	100	44	79	29	21	15	5
June 2028	100	74	74	74	22	100	100	100	100	0	100	100	100	100	32	76	26	18	12	4
June 2029	100	61	61	61	16	100	75	75	75	0	100	89	89	89	24	74	23	15	10	3
June 2030	100	49	49	49	12	100	37	37	37	0	100	72	72	72	17	71	20	13	8	2
June 2031	100	40	40	40	8	100	6	6	6	0	100	58	58	58	12	68	17	11	7	1
June 2032	100	32	32	32	6	100	0	0	0	0	100	47	47	47	9	65	15	9	5	1
June 2033	100	26	26	26	4	100	0	0	0	0	100	38	38	38	6	61	13	7	4	1
June 2034	100	21	21	21	3	100	0	0	0	0	100	30	30	30	5	58	11	6	3	1
June 2035	100	16	16	16	2	100	0	0	0	0	100	24	24	24	3	54	9	5	3	0
June 2036	100	13	13	13	2	100	0	0	0	0	100	19	19	19	2	51	8	4	2	0
June 2037	100	10	10	10	1	100	0	0	0	0	100	14	14	14	2	47	6	3	2	0
June 2038	100	8	8	8	1	100	0	0	0	0	100	11	11	11	1	42	5	3	1	0
June 2039	71	6	6	6	0	100	0	0	0	0	100	8	8	8	1	38	4	2	1	0
June 2040	38	4	4	4	0	1	0	0	0	0	56	6	6	6	0	33	3	2	1	0
June 2041	4	3	3	3	0	0	0	0	0	0	5	4	4	4	0	28	2	1	0	0
June 2042	2	2	2	2	0	0	0	0	0	0	3	3	3	3	0	23	2	1	0	0
June 2043	1	1	1	1	0	0	0	0	0	0	2	2	2	2	0	18	1	0	0	0
June 2044	1	1	1	1	0	0	0	0	0	0	1	1	1	1	0	12	1	0	0	0
June 2045	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0
June 2046	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average																				
Life (years)	23.7	15.1	15.1	15.1	10.3	23.6	13.7	13.7	13.7	9.2	24.2	16.8	16.8	16.8	11.5	18.6	8.6	7.2	6.2	4.3

PSA Prepayment Assumption Rates

	C	lasses (	GA, GC, H and C		Ε,		(	Class Gl	3		C	lasses (	GJ, GK, N and I		ſ,	Classe	s IP, PJ	, PK, Pl	L, PM a	ad PN
Distribution Date	0%	150%	200%	250%	400%	0%	150%	200%	250%	400%	0%	150%	200%	250%	400%	0%	150%	200%	250%	400%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
June 2017	97	93	93	93	93	100	100	100	100	100	98	94	94	94	94	98	95	95	95	95
June 2018	95	82	82	82	82	100	100	100	100	100	95	83	83	83	83	96	85	85	85	85
June 2019	92	68	68	68	56	100	100	100	100	100	92	70	70	70	59	93	74	74	74	65
June 2020	89	55	55	55	36	100	100	100	100	100	89	58	58	58	40	91	63	63	63	48
June 2021	85	43	43	43	21	100	100	100	100	100	86	47	47	47	26	88	54	54	54	36
June 2022	82	33	33	33	9	100	100	100	100	100	83	37	37	37	15	85	45	45	45	26
June 2023	79	23	23	23	1	100	100	100	100	100	80	28	28	28	8	83	38	38	38	20
June 2024	75	15	15	15	0	100	100	100	100	24	77	21	21	21	2	80	31	31	31	14
June 2025	71	8	8	8	0	100	100	100	100	0	73	15	15	15	0	76	26	26	26	11
June 2026	67	3	3	3	0	100	100	100	100	0	69	9	9	9	0	73	21	21	21	8
June 2027	63	0	0	0	0	100	71	71	71	0	65	5	5	5	0	70	17	17	17	6
June 2028	58	0	0	0	0	100	19	19	19	0	61	1	1	1	0	66	14	14	14	4
June 2029	54	0	0	0	0	100	0	0	0	0	57	0	0	0	0	62	12	12	12	3
June 2030	49	0	0	0	0	100	0	0	0	0	52	0	0	0	0	59	9	9	9	2
June 2031	44	0	0	0	0	100	0	0	0	0	48	0	0	0	0	54	8	8	8	2
June 2032	38	0	0	0	0	100	0	0	0	0	43	0	0	0	0	50	6	6	6	1
June 2033	33	0	0	0	0	100	0	0	0	0	37	0	0	0	0	46	5	5	5	1
June 2034	27	0	0	0	0	100	0	0	0	0	32	0	0	0	0	41	4	4	4	1
June 2035	21	0	0	0	0	100	0	0	0	0	26	0	0	0	0	36	3	3	3	0
June 2036	14	0	0	0	0	100	0	0	0	0	20	0	0	0	0	31	2	2	2	0
June 2037	8	0	0	0	0	100	0	0	0	0	14	0	0	0	0	25	2	2	2	0
June 2038	1	0	0	0	0	100	0	0	0	0	8	0	0	0	0	20	1	1	1	0
June 2039	0	0	0	0	0	10	0	0	0	0	1	0	0	0	0	14	1	1	1	0
June 2040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	1	1	1	0
June 2041	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0
June 2042	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
June 2043	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
June 2044	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
June 2045	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
June 2046	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average																				
Life (years)	12.9	4.7	4.7	4.7	3.5	22.6	11.4	11.4	11.4	7.7	13.6	5.2	5.2	5.2	3.8	15.0	6.7	6.7	6.7	4.8

Security Group 6 PSA Prepayment Assumption Rates

		(	Class PI	3		Classe	s PC, P	D, PE, F	G, PH a	ınd PI		(	Class ZA	L			(	Class ZF	3	_
Distribution Date	0%	150%	200%	250%	400%	0%	150%	200%	250%	400%	0%	150%	200%	250%	400%	0%	150%	200%	250%	400%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
June 2017	100	100	100	100	100	98	94	94	94	94	103	103	95	95	89	103	103	103	71	0
June 2018	100	100	100	100	100	95	84	84	84	84	106	106	81	80	8	106	106	106	8	0
June 2019	100	100	100	100	100	93	72	72	72	62	109	109	63	46	0	109	109	109	0	0
June 2020	100	100	100	100	100	90	61	61	61	44	113	113	51	22	0	113	113	112	0	0
June 2021	100	100	100	100	100	87	50	50	50	31	116	116	44	7	0	116	116	116	0	0
June 2022	100	100	100	100	100	84	41	41	41	21	120	120	41	1	0	120	120	119	0	0
June 2023	100	100	100	100	100	81	33	33	33	13	123	123	40	0	0	123	123	123	0	0
June 2024	100	100	100	100	100	78	26	26	26	8	127	122	38	0	0	127	127	127	0	0
June 2025	100	100	100	100	100	75	20	20	20	4	131	118	35	0	0	131	131	127	0	0
June 2026	100	100	100	100	100	71	15	15	15	1	135	111	33	0	0	135	135	121	0	0
June 2027	100	100	100	100	79	67	11	11	11	0	139	103	30	0	0	139	139	113	0	0
June 2028	100	100	100	100	58	64	7	7	7	0	143	93	28	0	0	143	143	105	0	0
June 2029	100	100	100	100	42	60	5	5	5	0	148	82	25	0	0	148	148	96	0	0
June 2030	100	100	100	100	31	55	2	2	2	0	152	71	22	0	0	152	152	87	0	0
June 2031	100	100	100	100	22	51	0	0	0	0	157	60	19	0	0	157	157	78	0	0
June 2032	100	85	85	85	16	46	0	0	0	0	162	49	17	0	0	162	162	69	0	0
June 2033	100	68	68	68	11	41	0	0	0	0	166	38	15	0	0	166	166	61	0	0
June 2034	100	54	54	54	8	36	0	0	0	0	171	27	13	0	0	171	171	53	0	0
June 2035	100	43	43	43	6	31	0	0	0	0	177	17	11	0	0	177	177	45	0	0
June 2036	100	33	33	33	4	25	0	0	0	0	182	9	9	0	0	182	176	39	0	0
June 2037	100	26	26	26	3	19	0	0	0	0	188	7	7	0	0	188	150	32	0	0
June 2038	100	20	20	20	2	13	0	0	0	0	193	6	6	0	0	193	127	27	0	0
June 2039	100	15	15	15	1	7	0	0	0	0	199	5	5	0	0	199	104	22	0	0
June 2040	100	11	11	11	1	0	0	0	0	0	205	4	4	0	0	205	84	17	0	0
June 2041	10	8	8	8	1	0	0	0	0	0	212	3	3	0	0	212	65	13	0	0
June 2042	5	5	5	5	0	0	0	0	0	0	164	2	2	0	0	218	48	9	0	0
June 2043	3	3	3	3	0	0	0	0	0	0	112	1	1	0	0	225	32	6	0	0
June 2044	2	2	2	2	0	0	0	0	0	0	58	1	1	0	0	231	18	3	0	0
June 2045	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	238	6	1	0	0
June 2046	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average	- / -																_,_			
Life (years)	24.7	19.2	19.2	19.2	13.4	14.2	5.7	5.7	5.7	4.1	27.1	15.1	7.9	3.0	1.5	29.5	24.0	17.2	1.3	0.5

Security Group 7
PSA Prepayment Assumption Rates

	Class	ses D, D	C, DE, DO	G, DH ar	nd DI	Class	es DA, D	J, DK, D	M, DN a	nd ID			Class DI	3	
Distribution Date	0%	124%	156%	225%	400%	0%	124%	156%	225%	400%	0%	124%	156%	225%	400%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
June 2017	98	95	95	95	95	98	95	95	95	95	100	100	100	100	100
June 2018	96	87	87	87	87	95	87	87	87	87	100	100	100	100	100
June 2019	93	77	77	77	67	93	76	76	76	65	100	100	100	100	100
June 2020	91	67	67	67	49	90	66	66	66	47	100	100	100	100	100
June 2021	88	58	58	58	36	88	56	56	56	33	100	100	100	100	100
June 2022	85	50	50	50	26	85	48	48	48	23	100	100	100	100	100
June 2023	82	42	42	42	18	82	40	40	40	15	100	100	100	100	100
June 2024	79	35	35	35	13	79	32	32	32	9	100	100	100	100	100
June 2025	76	29	29	29	9	75	26	26	26	5	100	100	100	100	100
June 2026	73	24	24	24	6	72	21	21	21	2	100	100	100	100	100
June 2027	69	20	20	20	4	68	16	16	16	0	100	100	100	100	100
June 2028	66	16	16	16	2	64	12	12	12	0	100	100	100	100	100
June 2029	62	13	13	13	1	60	9	9	9	0	100	100	100	100	100
June 2030	58	10	10	10	0	56	Ź	7	Ź	0	100	100	100	100	92
June 2031	53	8	8	8	0	51	4	4	4	0	100	100	100	100	67
June 2032	49	6	6	6	0	47	2	2	2	0	100	100	100	100	48
June 2033	44	4	4	4	0	42	1	1	1	0	100	100	100	100	35
June 2034	39	3	3	3	0	37	0	0	0	0	100	100	100	100	25
June 2035	34	2	2	2	0	31	0	0	0	0	100	100	100	100	18
June 2036	28	1	1	1	0	25	0	0	0	0	100	100	100	100	12
June 2037	22	0	0	0	0	19	0	0	0	0	100	100	100	100	9
June 2038	16	0	0	0	0	13	0	0	0	0	100	88	88	88	6
June 2039	10	0	0	0	0	6	0	0	0	0	100	68	68	68	4
June 2040	3	0	0	0	0	0	0	0	0	0	100	51	51	51	3
June 2041	0	0	0	0	0	0	0	0	0	0	38	38	38	38	2
June 2042	Ŏ	Ŏ	Ŏ	Ŏ	Õ	Õ	Ŏ	Ŏ	Ŏ	Ŏ	26	26	26	26	1
June 2043	0	0	0	0	0	0	0	0	0	0	17	17	17	17	1
June 2044	0	0	0	0	0	0	0	0	0	0	10	10	10	10	0
June 2045	Ŏ	Ö	Ŏ	Ŏ	Ŏ	Õ	Ŏ	Ŏ	Ŏ	Ŏ	4	4	4	4	Ö
June 2046	Õ	0	Õ	0	0	0	0	Õ	0	0	0	0	0	0	Õ
Weighted Average															
Life (years)	14.7	7.0	7.0	7.0	4.6	14.3	6.5	6.5	6.5	4.3	25.5	24.6	24.6	24.6	16.7

Security Group 7
PSA Prepayment Assumption Rates

		Class	es DF an	d DS				Class DI					Class DZ		
Distribution Date	0%	124%	156%	225%	400%	0%	124%	156%	225%	400%	0%	124%	156%	225%	400%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
June 2017	99	97	96	95	92	100	100	100	100	100	103	103	100	93	75
June 2018	97	90	89	85	77	100	100	100	100	100	106	106	95	71	13
June 2019	96	82	79	73	58	100	100	100	100	100	109	109	88	44	0
June 2020	94	75	70	62	43	100	100	100	100	100	113	113	83	24	0
June 2021	92	68	62	52	32	100	100	100	100	100	116	116	80	11	0
June 2022	91	61	55	44	24	100	100	100	100	100	120	120	79	3	0
June 2023	89	55	49	37	18	100	100	100	100	100	123	123	80	0	0
June 2024	87	50	43	31	13	100	100	100	100	100	127	126	81	0	0
June 2025	85	45	38	26	10	100	100	100	100	100	131	126	80	0	0
June 2026	83	40	33	22	7	100	100	100	100	100	135	124	77	0	0
June 2027	80	36	29	19	5	100	100	100	100	92	139	120	74	0	0
June 2028	78	32	26	15	4	100	100	100	100	49	143	115	70	0	0
June 2029	75	29	22	13	3	100	100	100	100	18	148	108	65	0	0
June 2030	72	26	19	11	2	100	100	100	100	0	152	101	60	0	0
June 2031	69	23	17	9	1	100	100	100	100	0	157	94	55	0	0
June 2032	66	20	15	7	1	100	100	100	100	0	162	86	50	0	0
June 2033	63	17	12	6	1	100	100	100	100	0	166	78	45	0	0
June 2034	60	15	11	5	1	100	80	80	80	0	171	71	40	0	0
June 2035	56	13	9	4	0	100	52	52	52	0	177	63	35	0	0
June 2036	52	11	8	3	0	100	28	28	28	0	182	56	30	0	0
June 2037	48	10	6	3	0	100	8	8	8	0	188	48	26	0	0
June 2038	44	8	5	2	0	100	0	0	0	0	193	42	22	0	0
June 2039	40	7	4	2	0	100	0	0	0	0	199	35	18	0	0
June 2040	35	5	3	1	0	77	0	0	0	0	205	29	15	0	0
June 2041	30	4	3	1	0	0	0	0	0	0	198	23	12	0	0
June 2042	24	3	2	1	0	0	0	0	0	0	163	18	9	0	0
June 2043	19	2	1	0	0	0	0	0	0	0	126	13	6	0	0
June 2044	13	1	1	0	0	0	0	0	0	0	87	8	4	0	0
June 2045	7	1	0	0	0	0	0	0	0	0	45	4	2	0	0
June 2046	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average															
Life (years)	19.0	9.8	8.6	6.8	4.4	24.2	19.2	19.2	19.2	12.1	27.5	19.3	15.1	3.0	1.4

Security Group 8 PSA Prepayment Assumption Rates

	Class EI				Class IE				Classes IQ, QA, QD, QE, QG, QH, QJ and QK						
Distribution Date	0%	110%	142%	250%	300%	0%	110%	142%	250%	300%	0%	110%	142%	250%	300%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
June 2017	98	96	96	94	93	98	96	96	94	93	97	95	95	95	95
June 2018	97	90	89	83	80	96	90	88	83	80	94	86	86	86	86
June 2019	95	83	80	69	65	94	83	79	69	65	91	75	75	75	75
June 2020	93	76	71	58	52	92	76	71	57	52	88	64	64	64	63
June 2021	91	69	64	48	42	90	69	64	48	41	85	54	54	54	48
June 2022	89	63	57	40	33	88	63	57	40	33	81	45	45	45	37
June 2023	87	57	51	33	27	86	57	51	33	26	77	36	36	36	28
June 2024	84	52	45	27	21	83	52	45	27	21	74	28	28	28	20
June 2025	82	47	40	22	17	81	47	40	22	17	70	22	22	22	14
June 2026	80	43	35	18	13	78	43	35	18	13	65	16	16	16	10
June 2027	77	38	31	15	11	76	38	31	15	11	61	12	12	12	6
June 2028	74	35	28	12	8	73	34	27	12	8	56	8	8	8	3
June 2029	71	31	24	10	7	70	31	24	10	7	52	5	5	5	0
June 2030	69	28	21	8	5	67	28	21	8	5	47	2	2	2	0
June 2031	65	25	19	7	4	64	25	18	7	4	41	0	0	0	0
June 2032	62	22	16	5	3	61	22	16	5	3	36	0	0	0	0
June 2033	59	19	14	4	2	57	19	14	4	2	30	0	0	0	0
June 2034	55	17	12	3	2	54	17	12	3	2	24	0	0	0	0
June 2035	52	15	10	3	1	50	15	10	3	1	18	0	0	0	0
June 2036	48	13	9	2	1	46	13	9	2	1	11	0	0	0	0
June 2037	44	11	7	2	1	42	11	7	2	1	4	0	0	0	0
June 2038	40	9	6	1	1	38	9	6	1	1	0	0	0	0	0
June 2039	36	8	5	1	0	34	8	5	1	0	0	0	0	0	0
June 2040	31	6	4	1	0	29	6	4	1	0	0	0	0	0	0
June 2041	26	5	3	1	0	25	5	3	1	0	0	0	0	0	0
June 2042	21	4	2	0	0	20	4	2	0	0	0	0	0	0	0
June 2043	16	3	2	0	0	15	3	1	0	0	0	0	0	0	0
June 2044	11	2	1	0	0	10	2	1	0	0	0	0	0	0	0
June 2045	5	1	0	0	0	5	1	0	0	0	0	0	0	0	0
June 2046	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	18.1	10.2	8.9	6.2	5.4	17.7	10.1	8.9	6.2	5.4	12.5	6.0	6.0	6.0	5.3

Security Group 8 PSA Prepayment Assumption Rates

			Class QB	3				Class QI					Class QZ		
Distribution Date	0%	110%	142%	250%	300%	0%	110%	142%	250%	300%	0%	110%	142%	250%	300%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
June 2017	100	100	100	100	100	99	97	96	95	94	103	103	101	93	89
June 2018	100	100	100	100	100	97	91	89	84	81	106	106	98	71	58
June 2019	100	100	100	100	100	95	83	80	70	66	109	109	94	43	21
June 2020	100	100	100	100	100	94	76	72	58	53	113	113	91	23	0
June 2021	100	100	100	100	100	92	69	64	48	42	116	116	89	10	0
June 2022	100	100	100	100	100	90	63	57	40	34	120	120	89	2	0
June 2023	100	100	100	100	100	88	58	51	33	27	123	123	90	0	0
June 2024	100	100	100	100	100	86	52	45	27	22	127	126	91	0	0
June 2025	100	100	100	100	100	84	47	40	23	17	131	125	89	0	0
June 2026	100	100	100	100	100	81	43	36	19	14	135	123	86	0	0
June 2027	100	100	100	100	100	79	39	32	15	11	139	118	82	0	0
June 2028	100	100	100	100	100	76	35	28	13	9	143	113	77	0	0
June 2029	100	100	100	100	100	74	31	24	10	7	148	106	72	0	0
June 2030	100	100	100	100	80	71	28	21	8	5	152	99	66	0	0
June 2031	100	100	100	100	63	68	25	19	7	4	157	92	60	0	0
June 2032	100	83	83	83	49	65	22	16	5	3	162	84	55	0	0
June 2033	100	67	67	67	38	61	19	14	4	2	166	77	49	0	0
June 2034	100	53	53	53	29	58	17	12	3	2	171	69	43	0	0
June 2035	100	42	42	42	22	54	15	10	3	1	177	61	38	0	0
June 2036	100	33	33	33	17	51	13	9	2	1	182	54	33	0	0
June 2037	100	26	26	26	13	47	11	7	2	1	188	47	28	0	0
June 2038	66	20	20	20	9	42	9	6	1	1	193	40	24	0	0
June 2039	15	15	15	15	7	38	8	5	1	0	188	34	20	0	0
June 2040	11	11	11	11	5	33	6	4	1	0	165	28	16	0	0
June 2041	8	8	8	8	3	28	5	3	1	0	142	23	13	0	0
June 2042	6	6	6	6	2	23	4	2	0	0	116	17	10	0	0
June 2043	4	4	4	4	1	18	3	2	0	0	90	12	7	0	0
June 2044	2	2	2	2	1	12	2	1	0	0	61	8	4	0	0
June 2045	1	1	1	1	0	6	1	0	0	0	32	4	2	0	0
June 2046	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	22.6	19.2	19.2	19.2	16.9	18.6	10.2	9.0	6.3	5.5	26.6	19.1	16.4	2.9	2.2
ine (years)	22.0	17.4	17.2	17.2	10.7	10.0	10.2	7.0	0.5	).)	20.0	1).1	10.1	2.)	2.2

Security Group 9
PSA Prepayment Assumption Rates

	Class	CM, CN, CQ a	ind IC		
Distribution Date	0%	100%	200%	300%	400%
Initial Percent	100	100	100	100	100
June 2017	98	96	94	92	90
June 2018	97	90	84	78	72
June 2019	95	83	72	62	54
June 2020	93	76	62	50	40
June 2021	91	69	53	40	29
June 2022	89	64	46	32	22
June 2023	87	58	39	25	16
June 2024	85	53	33	20	12
June 2025	83	48	28	16	9
June 2026	80	44	24	13	6
June 2027	78	40	20	10	6 5 3 3 2
June 2028	75	36	17	8	3
June 2029	72	32	15	6	3
June 2030	69	29	12	5	2
June 2031	66	26	10	4	1
June 2032	63	23	9 7	3	1
June 2033	60	20	7	2	1
June 2034	56	18	6	2	0
June 2035	53	16	5	1	0
June 2036	49	14	4	1	0
June 2037	45	12	3	1	0
June 2038	41	10	3 2 2	1	0
June 2039	36	8		0	0
June 2040	32	7	1	0	0
June 2041	27	5	1	0	0
June 2042	22	4	1	0	0
June 2043	17	3	0	0	0
June 2044	12	2	0	0	0
June 2045	6	1	0	0	0
June 2046	0	0	0	0	0
Weighted Average					
Life (years)	18.3	10.3	7.0	5.2	4.2

#### **Yield Considerations**

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

Prepayments: Effect on Yields

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

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

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

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

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

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

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

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

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

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

will not necessarily benefit from a higher yield at high levels of LIBOR because the rate on such Classes is capped at a maximum rate described under "Terms Sheet — Interest Rates."

Payment Delay: Effect on Yields of the Fixed Rate Classes

The effective yield on any Fixed Rate Class will be less than the yield otherwise produced by its Interest Rate and purchase price because, on each Distribution Date, 30 days' interest will be payable on (or added to the principal amount of) that Class even though interest began to accrue approximately 50 days earlier.

#### **Yield Tables**

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

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

The yields were calculated by

- 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, and
- 2. converting the monthly rates to corporate bond equivalent rates.

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

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

#### **SECURITY GROUP 3**

## Sensitivity of Class CI to Prepayments Assumed Price 10.5%\*

 PSA Prepayment Assumption Rates

 100%
 275%
 305%
 335%
 640%
 700%

 26.3%
 16.0%
 16.0%
 0.0%
 (3.4)%

<sup>\*</sup> 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 4**

## Sensitivity of Class AI to Prepayments Assumed Price 9.625%\*

#### **PSA Prepayment Assumption Rates**

135%	185%	250%	400%	578%
18.2%	18.2%	18.2%	10.7%	0.0%

## Sensitivity of Class JI to Prepayments Assumed Price 10.25%\*

#### **PSA Prepayment Assumption Rates**

135%	185%	250%	400%	584%
16.9%	16.9%	16.9%	10.1%	0.0%

## Sensitivity of Class KI to Prepayments Assumed Price 10.5%\*

#### **PSA Prepayment Assumption Rates**

135%	185%	250%	400%	591%
16.4%	16.4%	16.4%	9.8%	0.0%

## Sensitivity of Class MI to Prepayments Assumed Price 8.875%\*

## **PSA Prepayment Assumption Rates**

135%	185%	250%	400%	583%
20.0%	20.0%	20.0%	11.9%	0.0%

#### **SECURITY GROUP 5**

## Sensitivity of Class IN to Prepayments Assumed Price 7.9375%\*

#### **PSA Prepayment Assumption Rates**

133%	165%	245%	400%	674%
25.0%	25.0%	25.0%	17.3%	0.0%

## Sensitivity of Class NI to Prepayments Assumed Price 8.5%\*

#### **PSA Prepayment Assumption Rates**

133%	165%	245%	400%	674%
23.3%	23.3%	23.3%	16.1%	0.0%

<sup>\*</sup> 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 6**

## Sensitivity of Class GI to Prepayments Assumed Price 14.625%\*

#### **PSA Prepayment Assumption Rates**

150%	200%	250%	300%	400%
3.6%	3.6%	3.6%	0.1%	(8.4)%

## Sensitivity of Class IG to Prepayments Assumed Price 15.8438%\*

#### **PSA Prepayment Assumption Rates**

150%	200%	250%	304%	400%
3.7%	3.7%	3.7%	0.0%	(7.5)%

## Sensitivity of Class IP to Prepayments Assumed Price 18.8125%\*

#### **PSA Prepayment Assumption Rates**

150%	200%	250%	338%	400%
4.4%	4.4%	4.4%	0.0%	(3.3)%

## Sensitivity of Class PI to Prepayments Assumed Price 17.0938%\*

#### **PSA Prepayment Assumption Rates**

150%	200%	250%	311%	400%
3.8%	3.8%	3.8%	0.1%	(6.3)%

## Sensitivity of Class SA to Prepayments Assumed Price 25.375%\*

## **PSA Prepayment Assumption Rates**

	1 7			
LIBOR	150%	200%	250%	400%
0.100%	14.2%	11.6%	8.9%	0.6%
0.442%	12.7%	10.0%	7.3%	(1.0)%
3.271%	(0.5)%	(3.4)%	(6.2)%	(15.0)%
6.100% and above	**	**	**	**

## **SECURITY GROUP 7**

## Sensitivity of Class DI to Prepayments Assumed Price 20.75%\*

#### **PSA Prepayment Assumption Rates**

124%	<u>156%</u>	225%	339%	400%
6.3%	6.3%	6.3%	0.1%	(3.7)%

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

<sup>\*\*</sup> Indicates that investors will suffer a loss of virtually all of their investment.

## Sensitivity of Class DS to Prepayments Assumed Price 23.75%\*

	PSA	. Prepaymen	t Assumption	Rates
LIBOR	124%	156%	225%	400%
0.10%	17.9%	16.2%	12.6%	3.3%
0.44%	16.2%	14.6%	11.0%	1.6%
3.27%	2.2%	0.5%	(3.4)%	(13.5)%
6.10% and above	**	**	**	**

## Sensitivity of Class ID to Prepayments Assumed Price 19.6875%\*

PSA Prepayment Assumption Rates				
124%	156%	225%	331%	400%
6.4%	6.4%	6.4%	0.0%	(4.7)%

## **SECURITY GROUP 8**

## Sensitivity of Class EI to Prepayments Assumed Price 19.40625%\*

PSA Prepayment Assumption Rates				
110%	142%	250%	288%	300%
9.8%	8.1%	2.1%	0.0%	(0.7)%

## Sensitivity of Class IE to Prepayments Assumed Price 19.5%\*

PSA Prepayment Assumption Rates				
110%	142%	250%	284%	300%
9.6%	7.9%	1.9%	0.0%	(0.9)%

## Sensitivity of Class IQ to Prepayments Assumed Price 19.0%\*

PSA Prepayment Assumption Rates				
110%	142%	250%	289%	300%
2.2%	2.2%	2.2%	0.0%	(0.7)%

## Sensitivity of Class QI to Prepayments Assumed Price 19.25%\*

PSA Prepayment Assumption Rates				
110%	142%	250%	294%	300%
10.0%	8.3%	2.5%	0.0%	(0.3)%

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

<sup>\*\*</sup> Indicates that investors will suffer a loss of virtually all of their investment.

#### **SECURITY GROUP 9**

## Sensitivity of Class IC to Prepayments Assumed Price 7.5%\*

100%	200%	300%	400%	725%
34.7%	29.4%	24.0%	18.6%	0.0%

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

## CERTAIN UNITED STATES FEDERAL INCOME TAX CONSEQUENCES

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

#### **REMIC Elections**

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

## **Regular Securities**

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

The Notional and Accrual Classes of Regular Securities will be issued with original issue discount ("OID"), and certain other Classes of Regular Securities may be issued with OID. See "Certain United States Federal Income Tax Consequences — Tax Treatment of Regular Securities — Original Issue Discount," "— Variable Rate Securities" and "— Interest Weighted Securities and Non-VRDI Securities" in the Base Offering Circular.

The prepayment assumption that should be used in determining the rates of accrual of OID, if any, on the Regular Securities (as described in "Yield, Maturity and Prepayment Considerations" in this Supplement) is as follows:

Group	<u>PSA</u>
1	310%
2, 6 and 9	200%
3	305%
4	185%
5	165%
7	156%
8	142%

In the case of the Floating Rate Classes, the interest rate values to be used for these determinations are the initial Interest Rates as set forth in the Terms Sheet under "Interest Rates." No representation is made, however, about the rate at which prepayments on the Mortgage Loans underlying any Group of Trust Assets actually will occur or the level of LIBOR at any time after the date of this Supplement. See "Certain United States Federal Income Tax Consequences" in the Base Offering Circular.

The Regular Securities generally will be treated as "regular interests" in a REMIC for domestic building and loan associations and "real estate assets" for real estate investment trusts ("REITs") as described in "Certain United States 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 as described in "Certain United States Federal Income Tax Consequences" in the Base Offering Circular.

#### **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 United States Federal Income Tax Consequences" in the Base Offering Circular, but will not be treated as debt for United States federal income tax purposes. Instead, the Holders of the Residual Securities will be required to report, and will be taxed on, their pro rata shares of the taxable income or loss of the Trust REMICs, and these requirements will continue until there are no outstanding regular interests in the respective Trust REMICs. Thus, Residual Holders will have taxable income attributable to the Residual Securities even though they will not receive principal or interest distributions with respect to the Residual Securities, which could result in a negative after-tax return for the Residual Holders. Even though the Holders of the Residual Securities are not entitled to any stated principal or interest payments on the Residual Securities, the Trust REMICs may have substantial taxable income in certain periods, and offsetting tax losses may not occur until much later periods. Accordingly, the Holders of the Residual 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.

OID accruals on the Underlying Certificate will be computed using the same prepayment assumption as set forth under "Certain United States Federal Income Tax Consequences — Regular Securities" in this Supplement.

#### **Tax Audit Procedures**

The Bipartisan Budget Act of 2015, which was enacted on November 2, 2015, repeals and replaces the rules applicable to certain administrative and judicial proceedings regarding a Trust REMIC's tax affairs, effective beginning with the 2018 taxable year. Under the new rules, a partnership, including for this purpose a REMIC, appoints one person to act as its sole representative in connection with IRS audits and related procedures. In the case of a REMIC, the representative's actions, including the representative's agreeing to adjustments to taxable income, will bind Residual Holders to a greater degree than would action of the tax matters person ("TMP") under current rules. See "Certain United States Federal

Income Tax Consequences — Reporting and Tax Administration" in the Base Offering Circular for a discussion of the TMP. Further, an adjustment to the REMIC's taxable income following an IRS audit may have to be taken into account by those holders in the year in which the adjustment is made rather than in the year to which the adjustment relates and otherwise may have to be taken into account in different and potentially less advantageous ways than under current rules. In some cases, a REMIC could itself be liable for taxes on income adjustments, although it is anticipated that each Trust REMIC will seek to follow procedures in the new rules to avoid entity-level liability to the extent it otherwise may be imposed. The new rules are complex and likely will be clarified and possibly revised before going into effect. Residual Holders should discuss with their own tax advisors the possible effect of the new rules on them.

#### **MX Securities**

For a discussion of certain United States federal income tax consequences applicable to the MX Classes, see "Certain United States 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.

#### Foreign Account Tax Compliance Act

As discussed in the Base Offering Circular under "Certain United States Federal Income Tax Consequences — Taxation of Foreign Holders of REMIC Securities and MX Securities — Regular Securities and MX Securities," FATCA and related administrative guidance impose a 30% United States withholding tax on certain payments, which include interest payments in respect of Regular and MX Securities and gross proceeds, including the return of principal, from the sale or other disposition, including redemptions, of Regular and MX Securities. The effective date of the withholding tax on certain payments, which include interest payments, was July 1, 2014, and the effective date of the withholding tax on gross proceeds, including the return of principal, from the sale or other disposition, including redemptions, has been extended to January 1, 2019.

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

#### **ERISA MATTERS**

Ginnie Mae guarantees distributions of principal and interest with respect to the Securities. The Ginnie Mae Guaranty is supported by the full faith and credit of the United States of America. The Regular and MX Securities will qualify as "guaranteed governmental mortgage pool certificates" within the meaning of a Department of Labor regulation, the effect of which is to provide that mortgage loans and participations therein underlying a "guaranteed governmental mortgage pool certificate" will not be considered assets of an employee benefit plan subject to the Employee Retirement Income Security Act of 1974, as amended ("ERISA"), or subject to section 4975 of the Code (each, a "Plan"), solely by reason of the Plan's purchase and holding of that certificate.

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

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

See "ERISA Considerations" in the Base Offering Circular.

The Residual Securities are not offered to, and may not be transferred to, a Plan Investor.

#### LEGAL INVESTMENT CONSIDERATIONS

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

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

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

#### PLAN OF DISTRIBUTION

Subject to the terms and conditions of the Sponsor Agreement, the Sponsor has agreed to purchase all of the Securities if any are sold and purchased. The Sponsor proposes to offer the Regular and MX Classes to the public from time to time for sale in negotiated transactions at varying prices to be determined at the time of sale, plus accrued interest from (1) June 1, 2016 on the Fixed Rate Classes and (2) June 20, 2016 on the 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 Date, Ginnie Mae, the Trustee and the Sponsor may agree to increase the size of this offering. In that event, the Securities will have the same characteristics as described in this Supplement, except that (1) the Original Class Principal Balance (or original Class Notional Balance) and (2) the Scheduled Principal Balances and Aggregate Scheduled Principal Balances of each Class receiving principal distributions or interest distributions based upon a notional balance from the same Trust Asset Group will increase by the same proportion. The Trust Agreement, the Final Data Statement, the Final Schedules and the Supplemental Statement, if any, will reflect any increase in the size of the transaction.

#### **LEGAL MATTERS**

Certain legal matters will be passed upon for Ginnie Mae by Hunton & Williams LLP, for the Trust by Cleary Gottlieb Steen & Hamilton LLP and Marcell Solomon & Associates, P.C., and for the Trustee by Nixon Peabody LLP.

# Available Combinations(1)

REMIC Securities	ities			M	MX Securities			
Class	Original Class Principal Balance or Class Notional Balance	Related MX Class	Maximum Original Class Principal Balance or Class Notional Balance(2)	Principal Type(3)	Interest Rate	Interest Type(3)	CUSIP Number	Final Distribution Date(4)
Security Group 4								
Combination 1(5)								
MP	\$148,113,092	MC	\$148,113,092	PAC/AD	2.00%	FIX	38379XJT8	January 2045
		MD	148,113,092	PAC/AD	2.25	FIX	38379XJU5	January 2045
		ME	148,113,092	PAC/AD	2.50	FIX	38379XJV3	January 2045
		MG	148,113,092	PAC/AD	2.75	FIX	38379XJW1	January 2045
		MI	49,371,030	NTL(PAC/AD)	3.00	FIX/IO	38379XJX9	January 2045
Combination 2(5)								
MB	\$ 8,665,194	AC	\$156,778,286	PAC/AD	2.00%	FIX	38379XJY7	October 2045
MP	148,113,092	AD	156,778,286	PAC/AD	2.25	FIX	38379XJZ4	October 2045
		AE	156,778,286	PAC/AD	2.50	FIX	38379XKA7	October 2045
		AG	156,778,286	PAC/AD	2.75	FIX	38379XKB5	October 2045
		AI	52,259,428	NTL(PAC/AD)	3.00	FIX/IO	38379XKC3	October 2045
		AP	156,778,286	PAC/AD	3.00	FIX	38379XKD1	October 2045
Combination $3(5)$								
KB	\$ 6,434,253	JC	\$163,212,539	PAC/AD	2.00%	FIX	38379XKE9	April 2046
MB	8,665,194	Q.	163,212,539	PAC/AD	2.25	FIX	38379XKF6	April 2046
MP	148,113,092	Æ	163,212,539	PAC/AD	2.50	FIX	38379XKG4	April 2046
		JG	163,212,539	PAC/AD	2.75	FIX	38379XKH2	April 2046
		Ц	54,404,179	NTL(PAC/AD)	3.00	FIX/IO	38379XKJ8	April 2046
		Ъ	163,212,539	PAC/AD	3.00	FIX	38379XKK5	April 2046
Combination 4(5)								,
JB	\$ 1,991,093	KC	\$165,203,632	PAC/AD	2.00%	FIX	38379XKL3	June 2046
KB	6,434,253	KD	165,203,632	PAC/AD	2.25	FIX	38379XKM1	June 2046
MB	8,665,194	KE	165,203,632	PAC/AD	2.50	FIX	38379XKN9	June 2046
MP	148,113,092	KG	165,203,632	PAC/AD	2.75	FIX	38379XKP4	June 2046
		KI	55,067,877	NTL(PAC/AD)	3.00	FIX/IO	38379XKQ2	June 2046
		ΚP	165,203,632	PAC/AD	3.00	FIX	38379XKR0	June 2046

REMIC Securities	S			M	MX Securities			
	Original Class Principal Balance or Class Notional	Related	Maximum Original Class Principal Balance or Class Notional	Principal	Interest	Interest	CUSIP	Final Distribution
Class	Balance	MX Class	Balance(2)	Type(3)	Rate	Type(3)	Number	Date(4)
Combination 5								
<u>B</u>	\$ 1,991,093	AB	\$ 8,425,346	PAC/AD	3.00%	FIX	38379XKS8	June 2046
KB	6,434,253							
Combination 6								
JB	\$ 1,991,093	$_{\mathrm{BM}}$	\$ 17,090,540	PAC/AD	3.00%	FIX	38379XKT6	June 2046
KB	6,434,253							
MB	8,665,194							
Security Group 5								
Combination 7(5)								
NA	\$ 50,183,000	Z	\$ 53,092,000	PAC/AD	3.00%	FIX	38379XKU3	September 2045
NB	2,909,000	ND	53,092,000	PAC/AD	2.00	FIX	38379XKV1	September 2045
		NE	53,092,000	PAC/AD	2.25	FIX	38379XKW9	September 2045
		NG	53,092,000	PAC/AD	2.50	FIX	38379XKX7	September 2045
		NH	53,092,000	PAC/AD	2.75	FIX	38379XKY5	September 2045
		N	17,697,333	NTL(PAC/AD)	3.00	FIX/IO	38379XKZ2	September 2045
		Ń	35,394,666	PAC/AD	3.50	FIX	38379XLA6	September 2045
Combination 8(5)								
NA	\$ 50,183,000	Z	\$ 16,727,666	NTL(PAC/AD)	3.00%	FIX/IO	38379XLB4	December 2044
		NK	50,183,000	PAC/AD	2.00	FIX	38379XLC2	December 2044
		N	50,183,000	PAC/AD	2.25	FIX	38379XLD0	December 2044
		NM	50,183,000	PAC/AD	2.50	FIX	38379XLE8	December 2044
		NP	50,183,000	PAC/AD	2.75	FIX	38379XLF5	December 2044
		NO	50,183,000	PAC/AD	3.00	FIX	38379XLG3	December 2044
		NT	33,455,333	PAC/AD	3.50	FIX	38379XLH1	December 2044
Security Group 6 Combination 9(5)								
GA	\$169,890,029	CC	\$169,890,029	PAC/AD	2.00%	FIX	38379XLJ7	October 2043
		GD	169,890,029	PAC/AD	2.25	FIX	38379XLK4	October 2043
		GE	169,890,029	PAC/AD	2.50	FIX	38379XLL2	October 2043
		$_{ m CH}$	169,890,029	PAC/AD	2.75	FIX	38379XLM0	October 2043
		GI	48,540,008	NTL(PAC/AD)	3.50	FIX/IO	38379XLN8	October 2043

REMIC Securities				M	<b>MX Securities</b>			
7	Original Class Principal Balance or Class Notional	Related	Maximum Original Class Principal Balance or Class Notional	Principal	Interest	Interest	CUSIP	Final Distribution
Class ——	Balance	MX Class	Balance(2)	Type(3)	Rate	Type(3)	Number	Date(4)
Combination 10(5)								
GA	\$169,890,029	Ģ	\$182,485,191	PAC/AD	2.00%	FIX	38379XLP3	August 2044
GB	12,595,162	GK	182,485,191	PAC/AD	2.25	FIX	38379XLQ1	August 2044
		CI	182,485,191	PAC/AD	2.50	FIX	38379XLR9	August 2044
		$_{ m GM}$	182,485,191	PAC/AD	2.75	FIX	38379XLS7	August 2044
		GN	182,485,191	PAC/AD	3.00	FIX	38379XLT5	August 2044
		IG	52,138,626	NTL(PAC/AD)	3.50	FIX/IO	38379XLU2	August 2044
Combination 11(5)								
BN	\$ 12,080,020	PC	\$194,565,211	PAC/AD	3.00%	FIX	38379XLV0	June 2045
GA	169,890,029	PD	194,565,211	PAC/AD	2.00	FIX	38379XLW8	June 2045
GB	12,595,162	PE	194,565,211	PAC/AD	2.25	FIX	38379XLX6	June 2045
		PG	194,565,211	PAC/AD	2.50	FIX	38379XLY4	June 2045
		PH	194,565,211	PAC/AD	2.75	FIX	38379XLZ1	June 2045
		PI	55,590,060	NTL(PAC/AD)	3.50	FIX/IO	38379XMA5	June 2045
Combination 12(5)								
BN	\$ 12,080,020	IIb	\$ 59,916,679	NTL(PAC/AD)	3.50%	FIX/IO	38379XMB3	June 2046
GA	169,890,029	PJ	209,708,378	PAC/AD	2.00	FIX	38379XMC1	June 2046
GB	12,595,162	PK	209,708,378	PAC/AD	2.25	FIX	38379XMD9	June 2046
PB	15,143,167	bΓ	209,708,378	PAC/AD	2.50	FIX	38379XME7	June 2046
		$_{\mathrm{PM}}$	209,708,378	PAC/AD	2.75	FIX	38379XMF4	June 2046
		PN	209,708,378	PAC/AD	3.00	FIX	38379XMG2	June 2046
Combination 13								
BN	\$ 12,080,020	BP	\$ 27,223,187	PAC/AD	3.00%	FIX	38379XMH0	June 2046
PB	15,143,167							
Combination 14								
BN	\$ 12,080,020	BG	\$ 39,818,349	PAC/AD	3.00%	FIX	38379XMJ6	June 2046
GB	12,595,162							
PB	15,143,167							

REMIC Securities				W	<b>MX</b> Securities			
	Original Class Principal Balance or Class Notional	Related	Maximum Original Class Principal Balance or Class Notional	Principal	Interest	Interest	CUSIP	Final Distribution
Class	Balance	MX Class	Balance(2)	Type(3)	Rate	Type(3)	Number	Date(4)
Security Group 7								
Combination 15(5)								
DA	\$ 34,236,775	Ω	\$ 35,638,988	PAC/AD	3.00%	FIX	38379XMK3	March 2046
DI	1,402,213	DC	35,638,988	PAC/AD	2.00	FIX	38379XML1	March 2046
		DE	35,638,988	PAC/AD	2.25	FIX	38379XMM9	March 2046
		DG	35,638,988	PAC/AD	2.50	FIX	38379XMIN7	March 2046
		DH	35,638,988	PAC/AD	2.75	FIX	38379XMP2	March 2046
		DI	8,909,747	NTL(PAC/AD)	4.00	FIX/IO	38379XMQ0	March 2046
Combination 16(5)								
DA	\$ 34,236,775	DJ	\$ 34,236,775	PAC/AD	2.00%	FIX	38379XMR8	September 2045
		DK	34,236,775	PAC/AD	2.25	FIX	38379XMS6	September 2045
		DM	34,236,775	PAC/AD	2.50	FIX	38379XMT4	September 2045
		DN	34,236,775	PAC/AD	2.75	FIX	38379XMU1	September 2045
			8,559,193	NTL(PAC/AD)	4.00	FIX/IO	38379XMV9	September 2045
Security Group 8 Combination 17(5)								
QA	\$ 36,141,382	QI	\$ 10,326,109	NTL(PAC/AD)	3.50%	FIX/IO	38379XMW7	June 2045
		QD	36,141,382	PAC/AD	2.00	FIX	38379XIMX5	June 2045
		ÓE	36,141,382	PAC/AD	2.25	FIX	38379XMY3	June 2045
		99	36,141,382	PAC/AD	2.50	FIX	38379XMZ0	June 2045
		QH	36,141,382	PAC/AD	2.75	FIX	38379XNA4	June 2045
		0	28,913,105	PAC/AD	3.25	FIX	38379XNB2	June 2045
		QK	24,094,254	PAC/AD	3.50	FIX	38379XNC0	June 2045
Combination 18								
Е	\$ 9,984,500 7,000,000	EI	\$ 16,984,500	NTL(SC/PT)	3.50%	FIX/IO	38379XND8	June 2046
)								

	Final  Final  One of the control of		38379XNE6	38379XNF3 June	38379XNG1	38379XNH9 June 2046	38379XNJ5	38379XNK2	38379XNL0	38379XINM8	20270VINIC
s	Interest Type(3)		FIX	FIX	FIX	FIX	FIX	FIX	FIX	FIX	FIX/IO
MX Securities	Interest Rate		2.15%	2.20	2.25	2.30	2.35	2.40	2.45	2.50	3 00
	Principal Type(3)		PT	PT	PT	PT	PT	PT	PT	PT	NTTI (DT)
	Maximum Original Class Principal Balance or Class Notional Balance(2)		\$ 75,000,000	75,000,000	75,000,000	75,000,000	75,000,000	75,000,000	75,000,000	75,000,000	21 250 000
	Related MX Class		CB	CD	CE	Ć	$C\Gamma$	$_{\rm CM}$	CN	Q)	
S	Original Class Principal Balance or Class Notional Balance		\$ 75,000,000								
REMIC Securities	Class	<b>Security Group 9</b> Combination 19(5)	O								

(1) All exchanges must comply with minimum denomination restrictions.

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 Date. 3

As defined under "Class Types" in Appendix I to the Base Offering Circular.

See "Yield, Maturity and Prepayment Considerations — Final Distribution Date" in this Supplement. 4

In the case of Combinations 1, 2, 3, 4, 7, 8, 9, 10, 11, 12, 15, 16, 17 and 19, various subcombinations are permitted. See "Description of the Securities — Modification and Exchange" in the Base Offering Circular for a discussion of subcombinations.

#### Schedule II

#### SCHEDULED PRINCIPAL BALANCES

Distribution Date	Class PA	Class EA	Class CA
Initial Balance	\$150,000,000.00	\$55,000,000.00	\$50,000,000.00
July 2016	149,401,584.02	54,336,137.09	49,813,464.97
August 2016	148,726,438.41	53,677,703.24	49,602,327.56
September 2016	147,975,010.78	53,024,652.36	49,366,731.45
October 2016	147,147,856.71	52,376,938.70	49,106,854.91
November 2016	146,245,639.38	51,734,516.92	48,822,910.79
December 2016	145,269,129.08	51,097,342.01	48,515,146.27
January 2017	144,219,202.43	50,465,369.34	48,183,842.65
February 2017	143,096,841.32	49,838,554.62	47,829,315.03
March 2017	141,903,131.60	49,216,853.93	47,451,911.83
April 2017	140,639,261.59	48,600,223.72	47,052,014.37
May 2017	139,306,520.20	47,988,620.75	46,630,036.24
June 2017	137,906,294.96	47,382,002.15	46,186,422.67
July 2017	136,440,069.69	46,780,325.40	45,721,649.78
August 2017	134,909,421.97	46,183,548.32	45,236,223.77
September 2017	133,316,020.42	45,591,629.05	44,730,680.07
October 2017	131,661,621.62	45,004,526.09	44,205,582.32
November 2017	129,948,066.99	44,422,198.26	43,661,521.36
December 2017	128,177,279.29	43,844,604.72	43,099,114.16
January 2018	126,351,259.01	43,271,704.95	42,519,002.61
February 2018	124,472,080.53	42,703,458.75	41,921,852.32
March 2018	122,541,888.08	42,139,826.26	41,308,351.30
April 2018	120,562,891.58	41,580,767.94	40,679,208.64
May 2018	118,537,362.23	41,026,244.55	40,035,153.09
June 2018	116,467,627.99	40,476,217.18	39,376,931.62
July 2018	114,356,068.95	39,930,647.22	38,705,307.91
August 2018	112,205,112.51	39,389,496.39	38,021,060.84
September 2018	110,017,228.47	38,852,726.71	37,324,982.88
October 2018	107,863,618.08	38,320,300.49	36,639,918.63
November 2018	105,743,738.11	37,792,180.36	35,965,693.85
December 2018	103,657,053.77	37,268,329.24	35,302,137.02
January 2019	101,603,038.59	36,748,710.37	34,649,079.26
February 2019	99,581,174.29	36,233,287.25	34,006,354.33
March 2019	97,590,950.63	35,722,023.70	33,373,798.58
April 2019	95,631,865.31	35,214,883.83	32,751,250.90
May 2019	93,703,423.83	34,711,832.03	32,138,552.69
June 2019	91,805,139.41	34,212,832.97	31,535,547.81
July 2019	89,936,532.79	33,717,851.62	30,942,082.55
August 2019	88,097,132.22	33,226,853.22	30,358,005.59
September 2019	86,286,473.25	32,739,803.30	29,783,167.99
October 2019	84,504,098.68	32,256,667.65	29,217,423.08
November 2019	82,749,558.41	31,777,412.36	28,660,626.52
December 2019	81,022,409.35	31,302,003.77	28,112,636.20
January 2020	79,322,215.30	30,830,408.50	27,573,312.22
February 2020	77,648,546.87	30,362,593.43	27,042,516.85

Distribution Date	Class PA	Class EA	Class CA
March 2020	\$ 76,000,981.35	\$29,898,525.73	\$26,520,114.53
April 2020	74,379,102.60	29,438,172.81	26,005,971.79
May 2020	72,782,500.97	28,981,502.35	25,499,957.25
June 2020	71,210,773.19	28,528,482.29	25,001,941.59
July 2020	69,663,522.28	28,079,080.82	24,511,797.48
August 2020	68,140,357.44	27,633,266.41	24,029,399.58
September 2020	66,640,893.97	27,191,007.75	23,554,624.53
October 2020	65,164,753.13	26,752,273.80	23,087,350.86
November 2020	63,711,562.14	26,317,033.79	22,627,459.02
December 2020	62,280,954.00	25,885,257.14	22,174,831.32
January 2021	60,872,567.43	25,456,913.59	21,729,351.88
February 2021	59,486,046.79	25,031,973.05	21,290,906.67
March 2021	58,121,341.77	24,610,405.73	20,859,383.42
April 2021	56,787,361.60	24,192,182.04	20,434,671.60
May 2021	55,483,424.09	23,777,272.66	20,016,662.42
June 2021	54,208,862.03	23,365,648.48	19,606,607.58
July 2021	52,963,022.88	22,958,686.11	19,204,751.29
August 2021	51,745,268.42	22,558,483.12	18,810,932.42
September 2021	50,554,974.49	22,164,930.56	18,424,992.99
October 2021	49,391,530.63	21,777,921.22	18,046,778.05
November 2021	48,254,339.82	21,397,349.55	17,676,135.70
December 2021	47,142,818.16	21,023,111.69	17,312,916.95
January 2022	46,056,394.60	20,655,105.41	16,956,975.74
February 2022	44,994,510.66	20,293,230.10	16,608,168.83
March 2022	43,956,620.13	19,937,386.76	16,266,355.75
April 2022	42,942,188.85	19,587,477.92	15,931,398.78
May 2022	41,950,694.41	19,243,407.68	15,603,162.86
June 2022	40,981,625.90	18,905,081.64	15,281,515.58
July 2022	40,034,483.66	18,572,406.92	14,966,327.08
August 2022	39,108,779.05	18,245,292.07	14,657,470.03
September 2022	38,204,034.17	17,923,647.13	14,354,819.58
October 2022	37,319,781.69	17,607,383.54	14,058,253.32
November 2022	36,455,564.54	17,296,414.14	13,767,651.19
December 2022	35,610,935.76	16,990,653.18	13,482,895.52
January 2023	34,785,458.23	16,690,016.23	13,203,870.87
February 2023	33,978,704.47	16,394,420.23	12,930,464.08
March 2023	33,190,256.44	16,103,783.42	12,662,564.21
April 2023	32,419,705.30	15,818,025.35	12,400,062.44
May 2023	31,666,651.27	15,537,066.83	12,142,852.09
June 2023	30,930,703.35	15,260,829.94	11,890,828.57
July 2023	30,211,479.22	14,989,237.99	11,643,889.32
August 2023	29,508,604.96	14,722,215.51	11,401,933.76
September 2023	28,821,714.94	14,459,688.23	11,164,863.31
October 2023	28,150,451.58	14,201,583.07	10,932,581.27
November 2023	27,494,465.22	13,947,828.08	10,704,992.86
December 2023	26,853,413.94	13,698,352.49	10,482,005.13
January 2024	26,226,963.34	13,453,086.63	10,263,526.95
February 2024	25,614,786.44	13,211,961.95	10,049,468.98
March 2024	25,016,563.49	12,974,910.99	9,839,743.60

Distribution Date	Class PA	Class EA	Class CA
April 2024	\$ 24,431,981.81	\$12,741,867.35	\$ 9,634,264.92
May 2024	23,860,735.63	12,512,765.71	9,432,948.71
June 2024	23,302,525.97	12,287,541.77	9,235,712.42
July 2024	22,757,060.43	12,066,132.26	9,042,475.07
August 2024	22,224,053.12	11,848,474.93	8,853,157.29
September 2024	21,703,224.46	11,634,508.49	8,667,681.26
October 2024	21,194,301.07	11,424,172.67	8,485,970.67
November 2024	20,697,015.62	11,217,408.13	8,307,950.71
December 2024	20,211,106.72	11,014,156.47	8,133,548.03
January 2025	19,736,318.75	10,814,360.26	7,962,690.72
February 2025	19,272,401.77	10,617,962.94	7,795,308.27
March 2025	18,819,111.39	10,424,908.89	7,631,331.56
April 2025	18,376,208.63	10,235,143.36	7,470,692.82
May 2025	17,943,459.80	10,048,612.47	7,313,325.61
June 2025	17,520,636.43	9,865,263.20	7,159,164.77
July 2025	17,107,515.08	9,685,043.41	7,008,146.44
August 2025	16,703,877.30	9,507,901.74	6,860,208.02
September 2025	16,309,509.49	9,333,787.69	6,715,288.10
October 2025	15,924,202.77	9,162,651.56	6,573,326.52
November 2025	15,547,752.92	8,994,444.44	6,434,264.26
December 2025	15,179,960.26	8,829,118.19	6,298,043.48
January 2026	14,820,629.53	8,666,625.47	6,164,607.47
February 2026	14,469,569.84	8,506,919.67	6,033,900.63
March 2026	14,126,594.52	8,349,954.95	5,905,868.46
April 2026	13,791,521.06	8,195,686.17	5,780,457.52
May 2026	13,464,171.01	8,044,068.96	5,657,615.42
June 2026	13,144,369.89	7,895,059.62	5,537,290.81
July 2026	12,831,947.12	7,748,615.18	5,419,433.33
August 2026	12,526,735.89	7,604,693.33	5,303,993.64
September 2026	12,228,573.13	7,463,252.46	5,190,923.35
October 2026	11,937,299.39	7,324,251.63	5,080,175.01
November 2026	11,652,758.77	7,187,650.54	4,971,702.12
December 2026	11,374,798.85	7,053,409.56	4,865,459.10
January 2027	11,103,270.61	6,921,489.67	4,761,401.26
February 2027	10,838,028.36	6,791,852.49	4,659,484.78
March 2027	10,578,929.64	6,664,460.26	4,559,666.72
April 2027	10,325,835.18	6,539,275.83	4,461,904.97
May 2027	10,078,608.82	6,416,262.63	4,366,158.27
June 2027	9,837,117.44	6,295,384.70	4,272,386.15
July 2027	9,601,230.89	6,176,606.64	4,180,548.94
August 2027	9,370,821.93	6,059,893.62	4,090,607.79
September 2027	9,145,766.15	5,945,211.40	4,002,524.55
October 2027	8,925,941.93	5,832,526.26	3,916,261.89
November 2027	8,711,230.38	5,721,805.03	
December 2027	8,501,515.24	5,613,015.08	3,831,783.17 3,749,052.49
January 2028	8,296,682.89	5,506,124.30	3,668,034.66
	8,096,622.21	5,401,101.11	
February 2028	7,901,224.59	5,401,101.11	3,588,695.19 3,511,000.25
April 2028	7,710,383.86	5,196,533.68	3,434,916.71

Distribution Date	Class PA	Class EA	Class CA
May 2028	\$ 7,523,996.20	\$ 5,096,928.77	\$ 3,360,412.06
June 2028	7,341,960.13	4,999,070.12	3,287,454.47
July 2028	7,164,176.45	4,902,928.59	3,216,012.70
August 2028	6,990,548.17	4,808,475.55	3,146,056.17
September 2028	6,820,980.49	4,715,682.80	3,077,554.86
October 2028	6,655,380.72	4,624,522.62	3,010,479.38
November 2028	6,493,658.26	4,534,967.72	2,944,800.92
December 2028	6,335,724.54	4,446,991.27	2,880,491.21
January 2029	6,181,492.96	4,360,566.85	2,817,522.57
February 2029	6,030,878.90	4,275,668.50	2,755,867.86
March 2029	5,883,799.62	4,192,270.65	2,695,500.47
April 2029	5,740,174.22	4,110,348.17	2,636,394.34
May 2029	5,599,923.66	4,029,876.31	2,578,523.89
June 2029	5,462,970.65	3,950,830.74	2,521,864.09
July 2029	5,329,239.63	3,873,187.52	2,466,390.37
August 2029	5,198,656.76	3,796,923.11	2,412,078.67
September 2029	5,071,149.85	3,722,014.33	2,358,905.41
October 2029	4,946,648.34	3,648,438.39	2,306,847.45
November 2029	4,825,083.25	3,576,172.88	2,255,882.15
December 2029	4,706,387.17	3,505,195.72	2,205,987.29
January 2030	4,590,494.19	3,435,485.23	2,157,141.10
February 2030	4,477,339.89	3,367,020.05	2,109,322.25
March 2030	4,366,861.31	3,299,779.19	2,109,522.23
	4,258,996.91		
April 2030	, ,	3,233,742.00	2,016,683.33
May 2030	4,153,686.53	3,168,888.14	1,971,822.69
June 2030	4,050,871.37	3,105,197.64	1,927,908.20
July 2030	3,950,493.95	3,042,650.82	1,884,920.58
August 2030	3,852,498.10	2,981,228.35	1,842,840.92
September 2030	3,756,828.92	2,920,911.20	1,801,650.68
October 2030	3,663,432.74	2,861,680.64	1,761,331.70
November 2030	3,572,257.11	2,803,518.27	1,721,866.18
December 2030	3,483,250.76	2,746,405.98	1,683,236.68
January 2031	3,396,363.58	2,690,325.95	1,645,426.09
February 2031	3,311,546.61	2,635,260.66	1,608,417.66
March 2031	3,228,751.97	2,581,192.87	1,572,194.97
April 2031	3,147,932.89	2,528,105.62	1,536,741.93
May 2031	3,069,043.64	2,475,982.23	1,502,042.77
June 2031	2,992,039.54	2,424,806.31	1,468,082.02
July 2031	2,916,876.92	2,374,561.70	1,434,844.55
August 2031	2,843,513.08	2,325,232.55	1,402,315.51
September 2031	2,771,906.33	2,276,803.23	1,370,480.36
October 2031	2,702,015.88	2,229,258.40	1,339,324.83
November 2031	2,633,801.90	2,182,582.94	1,308,834.97
December 2031	2,567,225.45	2,136,762.00	1,278,997.07
January 2032	2,502,248.47	2,091,780.97	1,249,797.73
February 2032	2,438,833.77	2,047,625.47	1,221,223.79
March 2032	2,376,945.02	2,004,281.36	1,193,262.39
April 2032	2,316,546.69	1,961,734.76	1,165,900.89
May 2032	2,257,604.08	1,919,971.96	1,139,126.92

Distribution Date	Class PA	Class EA	Class CA
June 2032	\$ 2,200,083.26	\$ 1,878,979.54	\$ 1,112,928.36
July 2032	2,143,951.09	1,838,744.25	1,087,293.33
August 2032	2,089,175.17	1,799,253.08	1,062,210.19
September 2032	2,035,723.86	1,760,493.25	1,037,667.55
October 2032	1,983,566.22	1,722,452.15	1,013,654.21
November 2032	1,932,672.02	1,685,117.42	990,159.24
December 2032	1,883,011.72	1,648,476.88	967,171.89
January 2033	1,834,556.46	1,612,518.55	944,681.66
February 2033	1,787,278.03	1,577,230.66	922,678.24
March 2033	1,741,148.88	1,542,601.63	901,151.54
April 2033	1,696,142.07	1,508,620.06	880,091.66
May 2033	1,652,231.29	1,475,274.76	859,488.92
June 2033	1,609,390.82	1,442,554.71	839,333.81
July 2033	1,567,595.54	1,410,449.07	819,617.04
August 2033	1,526,820.89	1,378,947.20	800,329.48
September 2033	1,487,042.89	1,348,038.60	781,462.20
October 2033	1,448,238.11	1,317,712.99	763,006.45
November 2033	1,410,383.63	1,287,960.21	744,953.66
	1,373,457.08		*
December 2033		1,258,770.31	727,295.41
January 2034	1,337,436.59	1,230,133.49	710,023.49
February 2034	1,302,300.81	1,202,040.11	693,129.83
March 2034	1,268,028.87	1,174,480.70	676,606.52
April 2034	1,234,600.36	1,147,445.92	660,445.82
May 2034	1,201,995.37	1,120,926.63	644,640.16
June 2034	1,170,194.43	1,094,913.80	629,182.08
July 2034	1,139,178.52	1,069,398.57	614,064.33
August 2034	1,108,929.06	1,044,372.23	599,279.76
September 2034	1,079,427.90	1,019,826.21	584,821.38
October 2034	1,050,657.31	995,752.09	570,682.36
November 2034	1,022,599.95	972,141.57	556,855.98
December 2034	995,238.89	948,986.51	543,335.68
January 2035	968,557.61	926,278.89	530,115.02
February 2035	942,539.95	904,010.85	517,187.69
March 2035	917,170.12	882,174.63	504,547.51
April 2035	892,432.70	860,762.61	492,188.44
May 2035	868,312.64	839,767.32	480,104.55
June 2035	844,795.22	819,181.37	468,290.03
July 2035	821,866.07	798,997.54	456,739.19
August 2035	799,511.14	779,208.71	445,446.46
September 2035	777,716.73	759,807.87	434,406.37
October 2035	756,469.42	740,788.15	423,613.59
November 2035	735,756.14	722,142.77	413,062.88
December 2035	715,564.09	703,865.09	402,749.10
January 2036	695,880.80	685,948.56	392,667.23
February 2036	676,694.07	668,386.75	382,812.35
March 2036	657,991.97	651,173.35	373,179.63
April 2036	639,762.87	634,302.12	363,764.35
May 2036	621,995.41	617,766.97	354,561.88
June 2036	604,678.48	601,561.88	345,567.70

Distribution Date	Class PA	Class EA	 Class CA
July 2036	\$ 587,801.23	\$ 585,680.95	\$ 336,777.36
August 2036	571,353.07	570,118.37	328,186.51
September 2036	555,323.67	554,868.43	319,790.91
October 2036	539,702.91	539,925.51	311,586.37
November 2036	524,480.92	525,284.11	303,568.81
December 2036	509,648.07	510,938.79	295,734.24
January 2037	495,194.94	496,884.22	288,078.73
February 2037	481,112.34	483,115.16	280,598.44
March 2037	467,391.29	469,626.46	273,289.63
April 2037	454,023.02	456,413.05	266,148.59
May 2037	440,998.97	443,469.95	259,171.74
June 2037	428,310.78	430,792.26	252,355.54
July 2037	415,950.27	418,375.18	245,696.53
•	403,909.47	406,213.97	239,191.32
August 2037	392,180.60	394,303.98	232,836.60
September 2037	,	382,640.65	226,629.13
October 2037	380,756.04		*
November 2037	369,628.38	371,219.47	220,565.71
December 2037	358,790.35	360,036.04	214,643.24
January 2038	348,234.87	349,086.01	208,858.66
February 2038	337,955.03	338,365.11	203,208.99
March 2038	327,944.08	327,869.15	197,691.31
April 2038	318,195.42	317,594.02	192,302.74
May 2038	308,702.61	307,535.65	187,040.49
June 2038	299,459.37	297,690.07	181,901.81
July 2038	290,459.56	288,053.36	176,884.00
August 2038	281,697.18	278,621.67	171,984.44
September 2038	273,166.38	269,391.23	167,200.55
October 2038	264,861.46	260,358.32	162,529.79
November 2038	256,776.82	251,519.28	157,969.71
December 2038	248,907.03	242,870.53	153,517.87
January 2039	241,246.77	234,408.53	149,171.92
February 2039	233,790.85	226,129.83	144,929.52
March 2039	226,534.19	218,031.02	140,788.41
April 2039	219,471.86	210,108.74	136,746.35
May 2039	212,599.02	202,359.70	132,801.19
June 2039	205,910.95	194,780.68	128,950.77
July 2039	199,403.06	187,368.50	125,193.01
August 2039	193,070.85	180,120.02	121,525.88
September 2039	186,909.93	173,032.19	117,947.36
October 2039	180,916.02	166,101.99	114,455.50
November 2039	175,084.94	159,326.45	111,048.38
December 2039	169,412.62	152,702.67	107,724.13
January 2040	163,895.07	146,227.77	104,480.90
February 2040	158,528.39	139,898.96	101,316.90
March 2040	153,308.81	133,713.46	98,230.36
April 2040	148,232.61	127,668.56	95,219.56
May 2040	143,296.18	121,761.60	92,282.81
June 2040	138,495.99	115,989.95	89,418.47
July 2040	133,828.60	110,351.05	86,624.90
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Distribution Date	Class PA	_	Class EA	 Class CA
August 2040	\$ 129,290.65	\$	104,842.35	\$ 83,900.54
September 2040	124,878.86		99,461.37	81,243.83
October 2040	120,590.02		94,205.67	78,653.25
November 2040	116,421.03		89,072.86	76,127.31
December 2040	112,368.81		84,060.57	73,664.58
January 2041	108,430.41		79,166.49	71,263.61
February 2041	104,602.92		74,388.34	68,923.03
March 2041	100,883.50		69,723.88	66,641.46
April 2041	97,269.39		65,170.93	64,417.58
May 2041	93,757.89		60,727.31	62,250.07
June 2041	90,346.38		56,390.92	60,137.67
July 2041	87,032.27		52,159.68	58,079.12
August 2041	83,813.08		48,031.52	56,073.20
September 2041	80,686.34		44,004.46	54,118.71
October 2041	77,649.68		40,076.50	52,214.47
November 2041	74,700.76		36,245.72	50,359.35
December 2041	71,837.33		32,510.21	48,552.22
January 2042	69,057.15		28,868.09	46,791.99
February 2042	66,358.07		25,317.54	45,077.57
March 2042	63,737.98		21,856.74	43,407.91
April 2042	61,194.82		18,483.93	41,782.00
May 2042	58,726.59		15,197.36	40,198.81
June 2042	56,331.33		11,995.32	38,657.37
July 2042	54,007.12		8,876.13	37,156.71
August 2042	51,752.11		5,838.15	35,695.89
September 2042	49,564.48		2,879.74	34,273.98
October 2042	47,442.45		0.00	32,890.09
November 2042	45,384.29		0.00	31,543.32
December 2042	43,388.32		0.00	30,232.83
January 2043	41,452.90		0.00	28,957.75
February 2043	39,576.42		0.00	27,717.26
March 2043	37,757.31		0.00	26,510.56
April 2043	35,994.06		0.00	25,336.85
May 2043	34,285.16		0.00	24,195.36
June 2043	32,629.17		0.00	23,085.33
July 2043	31,024.68		0.00	22,006.01
August 2043	29,470.31		0.00	20,956.69
September 2043	27,964.70		0.00	19,936.66
October 2043	26,506.55		0.00	18,945.22
November 2043	25,094.57		0.00	17,981.68
December 2043	23,727.53		0.00	17,045.40
January 2044	22,404.20		0.00	16,135.72
February 2044	21,123.39		0.00	15,252.01
March 2044	19,883.96		0.00	14,393.64
April 2044	18,684.77		0.00	13,560.00
May 2044	17,524.72		0.00	12,750.51
June 2044	16,402.75		0.00	11,964.59
July 2044	15,317.80		0.00	11,201.65
August 2044	14,268.86		0.00	10,461.16

Distribution Date	 Class PA	 Class EA	Class CA
September 2044	\$ 13,254.95	\$ 0.00	\$ 9,742.56
October 2044	12,275.08	0.00	9,045.33
November 2044	11,328.32	0.00	8,368.95
December 2044	10,413.74	0.00	7,712.90
January 2045	9,530.46	0.00	7,076.69
February 2045	8,677.60	0.00	6,459.84
March 2045	7,854.31	0.00	5,861.87
April 2045	7,059.75	0.00	5,282.32
May 2045	6,293.13	0.00	4,720.73
June 2045	5,553.65	0.00	4,176.66
July 2045	4,840.55	0.00	3,649.67
August 2045	4,153.07	0.00	3,139.35
September 2045	3,490.50	0.00	2,645.27
October 2045	2,852.11	0.00	2,167.04
November 2045	2,237.23	0.00	1,704.25
December 2045	1,645.17	0.00	1,256.52
January 2046	1,075.28	0.00	823.47
February 2046	526.91	0.00	404.73
March 2046 and thereafter	0.00	0.00	0.00

Distribution Date	Classes JB, KB, MB and MP (in the aggregate)	Classes NA, NB and NC (in the aggregate)	Classes BN, GA, GB and PB (in the aggregate)
Initial Balance	\$165,203,632.00	\$56,143,000.00	\$209,708,378.00
July 2016	164,680,554.76	55,966,284.84	209,082,972.70
August 2016	164,112,771.63	55,774,642.51	208,396,143.73
September 2016	163,500,496.45	55,568,144.78	207,648,165.00
October 2016	162,843,973.99	55,346,873.55	206,839,357.63
November 2016	162,143,479.82	55,110,920.88	205,970,089.77
December 2016	161,399,320.10	54,860,388.91	205,040,776.38
January 2017	160,611,831.42	54,595,389.77	204,051,878.96
February 2017	159,781,380.53	54,316,045.52	203,003,905.18
March 2017	158,908,364.08	54,022,488.04	201,897,408.47
April 2017	157,993,208.27	53,714,858.96	200,732,987.57
May 2017	157,036,368.52	53,393,309.50	199,511,286.00
June 2017	156,038,329.09	53,058,000.39	198,232,991.44
July 2017	154,999,602.65	52,709,101.70	196,898,835.12
August 2017	153,920,729.84	52,346,792.67	195,509,591.12
September 2017	152,802,278.76	51,971,261.64	194,066,075.56
October 2017	151,644,844.46	51,582,705.76	192,569,145.86
November 2017	150,449,048.41	51,181,330.92	191,019,699.78
December 2017	149,215,537.88	50,767,351.47	189,418,674.56
January 2018	147,944,985.35	50,340,990.08	187,767,045.93
February 2018	146,638,087.85	49,902,477.50	186,065,827.06
March 2018	145,295,566.30	49,452,052.36	184,316,067.49
April 2018	143,918,164.80	48,989,960.92	182,518,851.99
May 2018	142,506,649.92	48,516,456.83	180,675,299.43
June 2018	141,061,809.88	48,031,800.90	178,786,561.50
July 2018	139,584,453.86	47,536,260.86	176,853,821.50
August 2018	138,075,411.14	47,030,111.05	174,878,293.00
September 2018	136,535,530.26	46,513,632.18	172,861,218.52
October 2018	134,965,678.20	45,987,111.06	170,803,868.14
November 2018	133,407,353.03	45,464,399.96	168,763,371.20
December 2018	131,860,466.67	44,945,470.20	166,739,586.09
January 2019	130,324,931.65	44,430,293.33	164,732,372.34
February 2019	128,800,661.15	43,918,841.08	162,741,590.60
March 2019	127,287,568.97	43,411,085.38	160,767,102.64
April 2019	125,785,569.54	42,906,998.37	158,808,771.34
May 2019	124,294,577.88	42,406,552.39	156,866,460.69
June 2019	122,814,509.67	41,909,719.95	154,940,035.77
July 2019	121,345,281.14	41,416,473.80	153,029,362.73
August 2019	119,886,809.18	40,926,786.83	151,134,308.83
September 2019	118,439,011.25	40,440,632.18	149,254,742.35
October 2019	117,001,805.40	39,957,983.13	147,390,532.67
November 2019	115,575,110.29	39,478,813.17	145,541,550.19
December 2019	114,158,845.15	39,003,095.99	143,707,666.37
January 2020	112,752,929.82	38,530,805.45	141,888,753.70
February 2020	111,357,284.68	38,061,915.60	140,084,685.70
March 2020	109,971,830.71	37,596,400.69	138,295,336.88
April 2020	108,596,489.45	37,134,235.11	136,520,582.79
May 2020	107,231,183.03	36,675,393.49	134,760,299.96

Distribution Date	Classes JB, KB, MB and MP (in the aggregate)	Classes NA, NB and NC (in the aggregate)	Classes BN, GA, GB and PB (in the aggregate)
June 2020	\$105,875,834.10	\$36,219,850.58	\$133,014,365.93
July 2020	104,530,365.89	35,767,581.37	131,282,659.22
August 2020	103,194,702.21	35,318,560.98	129,565,059.31
September 2020	101,868,767.37	34,872,764.72	127,861,446.67
October 2020	100,552,486.25	34,430,168.09	126,171,702.73
November 2020	99,245,784.29	33,990,746.75	124,495,709.85
December 2020	97,948,587.44	33,554,476.53	122,833,351.36
January 2021	96,660,822.19	33,121,333.44	121,184,511.52
February 2021	95,382,415.58	32,691,293.66	119,549,075.53
March 2021	94,113,295.15	32,264,333.54	117,926,929.49
April 2021	92,853,388.99	31,840,429.58	116,317,960.45
May 2021	91,602,625.68	31,419,558.48	114,722,056.34
June 2021	90,360,934.33	31,001,697.08	113,139,106.00
July 2021	89,128,244.57	30,586,822.39	111,568,999.17
August 2021	87,904,486.53	30,174,911.59	110,011,626.48
September 2021	86,689,590.83	29,765,942.01	108,466,879.42
October 2021	85,483,488.62	29,359,891.15	106,934,650.37
November 2021	84,286,111.53	28,956,736.67	105,414,832.58
December 2021	83,097,391.68	28,556,456.39	103,907,320.14
January 2022	81,917,261.69	28,159,028.27	102,412,008.01
February 2022	80,745,654.66	27,764,430.45	100,928,791.99
March 2022	79,582,504.17	27,372,641.22	99,457,568.71
April 2022	78,427,744.30	26,983,639.02	97,998,235.65
May 2022	77,281,309.57	26,597,402.43	96,550,691.10
June 2022	76,143,135.00	26,213,910.21	95,114,834.17
July 2022	75,013,156.08	25,833,141.24	93,690,564.78
August 2022	73,891,308.75	25,455,074.58	92,277,783.68
September 2022	72,777,529.43	25,079,689.43	90,876,392.39
October 2022	71,671,754.97	24,706,965.11	89,486,293.22
November 2022	70,573,922.72	24,336,881.13	88,107,389.30
December 2022	69,483,970.44	23,969,417.11	86,739,584.51
January 2023	68,401,836.36	23,604,552.84	85,382,783.51
February 2023	67,327,459.16	23,242,268.24	84,044,204.37
March 2023	66,263,567.06	22,882,543.38	82,725,578.55
April 2023	65,215,667.15	22,526,968.94	81,426,617.69
May 2023	64,183,526.43	22,176,636.78	80,147,037.52
June 2023	63,166,915.27	21,831,472.11	78,886,557.79
July 2023	62,165,607.26	21,491,401.15	77,644,902.23
August 2023	61,179,379.26	21,156,351.17	76,421,798.46
September 2023	60,208,011.31	20,826,250.45	75,216,977.99
October 2023	59,251,286.57	20,501,028.27	74,030,176.12
November 2023	58,308,991.34	20,180,614.90	72,861,131.91
December 2023	57,380,914.92	19,864,941.59	71,709,588.10
January 2024	56,466,849.66	19,553,940.55	70,575,291.11
February 2024	55,566,590.85	19,247,544.93	69,457,990.94
March 2024	54,679,936.73	18,945,688.82	68,357,441.14
April 2024	53,806,688.41	18,648,307.24	67,273,398.75
May 2024	52,946,649.85	18,355,336.10	66,205,624.27

Distribution Date	Classes JB, KB, MB and MP (in the aggregate)	Classes NA, NB and NC (in the aggregate)	Classes BN, GA, GB and PB (in the aggregate)
June 2024	\$ 52,099,627.81	\$18,066,712.23	\$ 65,153,881.60
July 2024	51,265,431.82	17,782,373.33	64,117,937.98
August 2024	50,443,874.13	17,502,257.97	63,097,563.98
September 2024	49,634,769.67	17,226,305.60	62,092,533.40
October 2024	48,837,936.03	16,954,456.49	61,102,623.28
November 2024	48,053,193.43	16,686,651.77	60,127,613.82
December 2024	47,280,364.62	16,422,833.40	59,167,288.33
January 2025	46,519,274.93	16,162,944.12	58,221,433.23
February 2025	45,769,752.18	15,906,927.50	57,289,837.96
March 2025	45,031,626.64	15,654,727.90	56,372,294.95
April 2025	44,304,731.04	15,406,290.45	55,468,599.60
May 2025	43,588,900.49	15,161,561.07	54,578,550.20
June 2025	42,883,972.48	14,920,486.41	53,701,947.94
July 2025	42,189,786.82	14,683,013.89	52,838,596.82
August 2025	41,506,185.62	14,449,091.66	51,988,303.63
September 2025	40,833,013.26	14,218,668.61	51,150,877.92
October 2025	40,170,116.35	13,991,694.33	50,326,131.96
November 2025	39,517,343.70	13,768,119.13	49,513,880.69
December 2025	38,874,546.30	13,547,894.02	48,713,941.68
January 2026	38,241,577.28	13,330,970.69	47,926,135.10
February 2026	37,618,291.88	13,117,301.51	47,150,283.70
March 2026	37,004,547.41	12,906,839.54	46,386,212.74
April 2026	36,400,203.23	12,699,538.47	45,633,750.00
May 2026	35,805,120.75	12,495,352.66	44,892,725.68
June 2026	35,219,163.35	12,294,237.11	44,162,972.45
July 2026	34,642,196.38	12,096,147.45	43,444,325.31
August 2026	34,074,087.12	11,901,039.95	42,736,621.68
September 2026	33,514,704.78	11,708,871.46	42,039,701.25
October 2026	32,963,920.44	11,519,599.48	41,353,406.04
November 2026	32,421,607.03	11,333,182.09	40,677,580.30
December 2026	31,887,639.32	11,149,577.95	40,012,070.52
January 2027	31,361,893.89	10,968,746.32	39,356,725.37
February 2027	30,844,249.10	10,790,647.04	38,711,395.72
March 2027	30,334,585.04	10,615,240.49	38,075,934.52
April 2027	29,832,783.55	10,442,487.63	37,450,196.88
May 2027	29,338,728.17	10,272,349.96	36,834,039.94
June 2027	28,852,304.12	10,104,789.55	36,227,322.91
July 2027	28,373,398.27	9,939,768.96	35,629,907.00
August 2027	27,901,899.14	9,777,251.32	35,041,655.42
September 2027	27,437,696.84	9,617,200.26	34,462,433.34
October 2027	26,980,683.08	9,459,579.93	33,892,107.86
November 2027	26,530,751.13	9,304,354.98	33,330,547.97
December 2027	26,087,795.79	9,151,490.58	32,777,624.56
January 2028	25,651,713.42	9,000,952.36	32,233,210.35
February 2028	25,222,401.82	8,852,706.47	31,697,179.92
March 2028	24,799,760.32	8,706,719.53	31,169,409.61
April 2028	24,383,689.68	8,562,958.60	30,649,777.57
May 2028	23,974,092.10	8,421,391.26	30,138,163.66

Distribution Date	Classes JB, KB, MB and MP (in the aggregate)	Classes NA, NB and NC (in the aggregate)	Classes BN, GA, GB and PB (in the aggregate)
June 2028	\$ 23,570,871.20	\$ 8,281,985.51	\$ 29,634,449.51
July 2028	23,173,932.00	8,144,709.81	29,138,518.41
August 2028	22,783,180.87	8,009,533.09	28,650,255.35
September 2028	22,398,525.56	7,876,424.68	28,169,546.96
October 2028	22,019,875.16	7,745,354.39	27,696,281.52
November 2028	21,647,140.06	7,616,292.43	27,230,348.90
December 2028	21,280,231.96	7,489,209.43	26,771,640.55
January 2029	20,919,063.85	7,364,076.46	26,320,049.50
February 2029	20,563,549.95	7,240,864.98	25,875,470.30
March 2029	20,213,605.76	7,119,546.85	25,437,799.02
April 2029	19,869,147.99	7,000,094.36	25,006,933.24
May 2029	19,530,094.55	6,882,480.17	24,582,772.01
June 2029	19,196,364.57	6,766,677.33	24,165,215.83
July 2029	18,867,878.33	6,652,659.28	23,754,166.64
August 2029	18,544,557.27	6,540,399.84	23,349,527.78
September 2029	18,226,323.99	6,429,873.18	22,951,203.99
October 2029	17,913,102.20	6,321,053.87	22,559,101.41
November 2029	17,604,816.72	6,213,916.83	22,173,127.48
December 2029	17,301,393.47	6,108,437.32	21,793,191.03
January 2030	17,002,759.45	6,004,590.97	21,419,202.17
February 2030	16,708,842.71	5,902,353.76	21,051,072.32
March 2030	16,419,572.36	5,801,702.00	20,688,714.20
April 2030	16,134,878.54	5,702,612.35	20,332,041.74
May 2030	15,854,692.41	5,605,061.79	19,980,970.17
June 2030	15,578,946.12	5,509,027.63	19,635,415.91
July 2030	15,307,572.82	5,414,487.52	19,295,296.60
August 2030	15,040,506.64	5,321,419.41	18,960,531.08
September 2030	14,777,682.67	5,229,801.57	18,631,039.34
October 2030	14,519,036.93	5,139,612.59	18,306,742.54
November 2030	14,264,506.39	5,050,831.36	17,987,563.00
December 2030	14,014,028.94	4,963,437.06	17,673,424.14
January 2031	13,767,543.37	4,877,409.18	17,364,250.50
February 2031	13,524,989.37	4,792,727.51	17,059,967.72
March 2031	13,286,307.51	4,709,372.11	16,760,502.50
April 2031	13,051,439.23	4,627,323.33	16,465,782.61
May 2031	12,820,326.83	4,546,561.82	16,175,736.88
June 2031	12,592,913.44	4,467,068.50	15,890,295.15
July 2031	12,369,143.04	4,388,824.53	15,609,388.31
August 2031	12,148,960.41	4,311,811.39	15,332,948.22
September 2031	11,932,311.17	4,236,010.80	15,060,907.75
October 2031	11,719,141.70	4,161,404.73	14,793,200.74
November 2031	11,509,399.19	4,087,975.44	14,529,761.99
December 2031	11,303,031.60	4,015,705.41	14,270,527.25
January 2032	11,099,987.65	3,944,577.41	14,015,433.20
February 2032	10,900,216.81	3,874,574.42	13,764,417.45
March 2032	10,703,669.30	3,805,679.68	13,517,418.51
April 2032	10,510,296.05	3,737,876.68	13,274,375.78
May 2032	10,320,048.75	3,671,149.14	13,035,229.56
1120 J = 0 J = 1	10,040,040.79	5,5/1,147.14	10,000,447.00

June 2032   \$ 10,132,879.76   \$ 3,605,481.01   \$ 12,799,921.01     July 2032   9,948,742.16   3,540,856.46     12,568,392.13     12,668,392.13     12,668,392.13     12,668,392.13     12,164,485.71     12,668,392.13     12,116,448.71     12,668,292.13     12,116,448.71     12,678,993.76.86   3,414,676.03     12,116,448.71     12,168,292.20   9,898,376.86   3,414,676.03     12,116,448.71     12,168,292.20   9,414,058.72   3,353,089.62     11,895,916.37     12,166,472.06     12,1678,943.11     12,1678,9	Distribution Date	Classes JB, KB, MB and MP (in the aggregate)	Classes NA, NB and NC (in the aggregate)	Classes BN, GA, GB and PB (in the aggregate)
July 2032         9,948,742.16         3,540,856.46         12,568,392.13           August 2032         9,767,589.71         3,477,259.93         12,340,585.80           September 2052         9,589,376.86         3,414,676.03         12,116,445.71           October 2032         9,414,951.08         32,22,485.79         11,678,943.11           December 2032         9,071,930.36         3,232,849.81         11,465,472.06           January 2033         8,905,033.62         3,174,167.20         11,255,450.12           January 2033         8,905,033.62         3,174,167.20         11,255,450.12           April 2033         8,704,888.88         3,164,236.66         11,048,824.97           March 2033         8,204,249.88         2,948,667.66         10,645,559.68           April 2033         8,264,249.88         2,948,667.65         10,448,818.61           July 2033         8,110,550.93         2,894,561.58         10,255,272.27           September 2033         7,810,672.45         2,788,908.33         9,877,572.27           September 2033         7,810,672.45         2,788,908.33         9,877,572.27           September 2033         7,350,664.416.11         2,737,355.15         9,693,322.77           November 2033         7,250,664.77         2,66,	June 2032	\$ 10,132,879.76	\$ 3,605,481.01	\$ 12,799,921.01
September 2032         9,589,376.86         3,414,676.03         12,116,445.71           October 2032         9,414,058.72         3,535,089.62         11,895,916.37           November 2032         9,241,591.08         3,292,485.79         11,678,943.11           December 2032         9,071,903.36         3,232,849.81         11,465,472.06           January 2033         8,905,033.62         3,174,167.20         11,255,450.12           February 2033         8,709,368.54         3,059,605.11         10,845,545.08           Agril 2033         8,260,707.64         3,003,697.66         10,645,596.65           May 2033         8,264,249.88         2,948,687.65         10,448,818.61           Jule 2033         8,110,550.93         2,894,561.58         10,255,272.64           August 2033         7,810,672.45         2,788,908.33         9,877,572.27           September 2033         7,810,672.45         2,788,908.33         9,877,572.27           September 2033         7,664,416.11         2,737,355.15         9,693,322.77           Cotober 2033         7,520,564.77         2,686,633.91         9,912,078.19           November 2034         7,379,081.43         2,636,732.06         9,333,792.69           December 2033         7,329,999.42         2,587,6	July 2032	9,948,742.16	3,540,856.46	
October 2032         9,414,058,72         3,535,089,62         11,895,916,37           November 2032         9,241,591.08         3,292,485.79         11,678,943.11           December 2032         9,071,930,36         3,232,849.81         11,465,472.06           January 2033         8,740,858.58         3,114,167.20         11,255,450.12           February 2033         8,793,635.44         3,003,697.66         10,645,545.08           April 2033         8,264,249.88         2,948,687.65         10,464,559.65           May 2033         8,264,249.88         2,948,687.65         10,464,818.61           June 2033         8,110,550.93         2,844,361.58         10,255,272.64           July 2033         7,959,371.35         2,841,306.18         10,064,873.16           August 2033         7,810,672.45         2,788,908.33         9,877,572.27           September 2033         7,810,672.45         2,788,908.33         9,877,572.27           September 2033         7,520,564.77         2,686,633.91         9,512,078.19           November 2033         7,539,981.43         2,667,322.06         9,333,792.69           December 2034         7,399,981.43         2,646,732.02         9,333,792.69           December 2034         6,086,477.59         2,918,207.7	August 2032	9,767,589.71	3,477,259.93	12,340,585.80
November 2032         9,241,591.08         3,292,485.79         11,678,943.11           December 2052         9,071,930.36         3,232,849.81         11,465,472.06           January 2033         8,905,033.62         3,174,167.20         11,255,450.12           February 2033         8,740,858.58         3,116,423.66         11,048,824.97           March 2033         8,579,363.54         3,059,065.11         10,845,545.08           April 2033         8,264,249.88         2,948,687.65         10,448,818.61           June 2033         8,110,550.93         2,894,561.58         10,252,722.64           July 2033         7,599,371.35         2,841,306.18         10,054,873.16           August 2033         7,810,672.45         2,788,908.33         9,877,572.27           September 2033         7,810,672.45         2,788,908.33         9,877,572.27           September 2033         7,520,564.77         2,686,633.91         9,512,078.19           November 2033         7,379,081.43         2,636,732.06         9,333,792.69           December 2034         7,399,29.64         2,589,337.35         8,985,919.05           February 2034         6,968,477.59         2,491,820.30         8,816,242.60           March 2034         6,968,477.59         2,491,820.30<	September 2032	9,589,376.86	3,414,676.03	12,116,445.71
November 2032         9,241,591.08         3,292,485.79         11,678,948.11           December 2032         9,071,930.36         3,232,849.81         11,465,472.06           January 2033         8,905,033.62         3,174,167.20         11,255,450.12           February 2033         8,740,888.88         3,116,423.66         11,048,824.97           March 2033         8,420,507.46         3,003,697.66         10,645,559.65           May 2033         8,264,249.88         2,948,687.65         10,448,818.61           June 2033         8,110,550.93         2,894,561.58         10,064,873.16           August 2033         7,599,371.35         2,841,306.18         10,064,873.16           August 2033         7,810,672.45         2,788,908.33         9,877,572.27           September 2033         7,664,416.11         2,737,355.15         9,693,322.77           Cotober 2033         7,520,564.77         2,686,633.91         9,512,078.19           November 2033         7,379,081.43         2,636,732.00         9,333,792.69           December 2033         7,379,081.43         2,636,732.0         9,333,792.69           Pebruary 2034         7,103,073.49         2,539,337.55         8,985,919.05           February 2034         6,862,107.08         2,441,743.0<	•			
January 2033   8,905,033.62   3,174,167.20   11,255,450.12   Pebruary 2033   8,740,888.58   3,116,423.66   11,048,824.97   March 2033   8,579,363.54   3,059,605.11   10,845,545.08   April 2033   8,420,507.46   3,003,697.66   10,645,559.65   May 2033   8,264,249.88   2,948,687.65   10,448,818.61   June 2033   8,110,550.93   2,844,561.58   10,255,272.64   July 2033   7,959,371.35   2,841,306.18   10,064,873.16   August 2033   7,810,672.45   2,788,908.33   9,877,572.27   September 2033   7,664,416.11   2,737,3551.29   5,9693,322.72   October 2033   7,520,564.77   2,686,633.91   9,512,078.19   November 2033   7,379,081.43   2,636,732.06   9,333,792.69   December 2033   7,239,929.64   2,587,637.27   9,158,421.1   January 2034   7,103,073.49   2,539,337.35   8,985,919.05   Pebruary 2034   6,968,477.59   2,491,820.30   8,816,242.60   April 2034   6,968,477.59   2,491,820.30   8,816,242.60   April 2034   6,759,27.62   2,399,087.70   8,485,194.50   May 2034   6,577,905.38   2,353,849.00   8,233,383.37   June 2034   6,520,070.2   2,399,3469   8,164,938.89   July 2034   6,520,070.2   2,309,346.90   8,164,938.89   July 2034   5,599,002.90   2,138,483.73   7,555,502.46   November 2034   5,699,002.90   2,138,483.73   7,555,502.46   November 2035   5,699,410.21   1,828,873.2   7,265,693.92   January 2035   5,517,439.86   1,978,542.29   6,985,421.95   June 2035   5,499,430.49   1,792,988.50   6,344,770.30   July 2035   4,994,304.49   1,792,988.50   6,345,770.26   November 203	November 2032	9,241,591.08	3,292,485.79	11,678,943.11
February 2033         8,740,858,58         3,116,423.66         11,048,824.97           March 2033         8,579,363,54         3,039,696.51.1         10,485,545.08           April 2033         8,420,507.46         3,003,697.66         10,645,559.65           May 2033         8,264,249.88         2,948,687.65         10,448,818.61           June 2033         8,110,550.93         2,844,561.58         10,255,272.64           July 2033         7,959,371.35         2,841,366.18         10,054,873.16           August 2033         7,810,672.45         2,788,908.33         9,877,572.27           September 2033         7,664,416.11         2,737,355.15         9,693,322.77           October 2033         7,579,081.43         2,686,633.91         9,512,078.19           November 2033         7,379,081.43         2,686,633.91         9,512,078.19           Pebruary 2034         7,520,564.77         2,686,633.91         9,512,078.19           February 2034         6,984,477.59         2,491,820.30         8,816,242.60           March 2034         6,984,477.59         2,491,820.30         8,816,242.60           Mary 2034         6,836,107.08         2,445,074.30         8,649,348.60           April 2034         6,577,905.38         2,353,849.00	December 2032		3,232,849.81	
March 2033         8,579,363.54         3,090,605.11         10,845,545.08           April 2033         8,420,507.46         3,003,697.66         10,448,818.61           June 2033         8,264,249.88         2,948,687.65         10,448,818.61           June 2033         7,595,371.35         2,841,306.18         10,055,272.64           July 2033         7,810,672.45         2,788,908.33         9,877,572.27           September 2033         7,810,672.45         2,788,908.39         9,877,572.27           September 2033         7,520,564.77         2,686,633.91         9,512,078.19           November 2033         7,379,981.43         2,636,732.07         9,158,421.14           January 2034         7,103,073.49         2,537,637.27         9,158,421.14           January 2034         6,968,477.59         2,418,203.38         8,865,919.05           February 2034         6,968,477.59         2,418,203.38         8,869,348.60           March 2034         6,868,107.08         2,445,074.30         8,649,348.60           Mary 2034         6,577,905.38         2,353,849.00         8,323,738.37           June 2034         6,577,905.38         2,353,849.00         8,323,738.37           June 2034         6,520,407.02         2,309,346.90         8	January 2033	8,905,033.62	3,174,167.20	11,255,450.12
April 2033         8,420,507.46         3,003,697.66         10,645,559.65           May 2033         8,264,249.88         2,948,687.65         10,448,818.61           July 2033         8,110,550.93         2,894,561.58         10,455,272.64           July 2033         7,959,371.35         2,841,306.18         10,064,873.16           August 2033         7,810,672.45         2,788,908.33         9,877,572.27           October 2033         7,520,564.77         2,686,633.91         9,512,078.19           November 2033         7,379,081.43         2,636,732.06         9,333,792.69           December 2033         7,239,929.64         2,589,337.35         8,985,919.05           February 2034         6,968,477.59         2,491,820.30         8,816,242.60           March 2034         6,968,477.59         2,491,820.30         8,816,242.60           March 2034         6,836,107.08         2,4445,074.30         8,649,348.60           April 2034         6,705,927.62         2,339,987.70         8,485,194.50           May 2034         6,577,905.38         2,353,849.00         8,323,738.37           July 2034         6,577,905.38         2,353,849.00         8,164,938.89           July 2034         6,266,451.08         2,222,508.01         7,855,14	February 2033	8,740,858.58	3,116,423.66	11,048,824.97
April 2033         8,420,507.46         3,003,697.66         10,645,559.65           May 2033         8,264,249.88         2,948,687.65         10,448,818.61           July 2033         8,110,550.93         2,894,561.58         10,455,272.64           July 2033         7,959,371.35         2,841,306.18         10,064,873.16           August 2033         7,810,672.45         2,788,908.33         9,877,572.27           October 2033         7,520,564.77         2,686,633.91         9,512,078.19           November 2033         7,379,081.43         2,636,732.06         9,333,792.69           December 2033         7,239,929.64         2,589,337.35         8,985,919.05           February 2034         6,968,477.59         2,491,820.30         8,816,242.60           March 2034         6,968,477.59         2,491,820.30         8,816,242.60           March 2034         6,836,107.08         2,4445,074.30         8,649,348.60           April 2034         6,705,927.62         2,339,987.70         8,485,194.50           May 2034         6,577,905.38         2,353,849.00         8,323,738.37           July 2034         6,577,905.38         2,353,849.00         8,164,938.89           July 2034         6,266,451.08         2,222,508.01         7,855,14	·			
May 2033         8,264,249.88         2,948,687.65         10,448,818.61           June 2033         8,110,550.93         2,894,561.58         10,255,272.64           July 2033         7,959,371.35         2,841,306.18         10,054,873.16           August 2033         7,810,672.45         2,788,908.33         9,877,572.27           September 2033         7,664,416.11         2,737,355.15         9,693,322.77           October 2033         7,520,564.77         2,686,633.91         9,512,078.19           November 2033         7,239,929.64         2,587,637.27         9,158,421.14           January 2034         7,103,073.49         2,589,337.35         8,985,919.05           February 2034         6,968,477.59         2,491,820.30         8,816,242.60           March 2034         6,886,107.08         2,445,074.30         8,693,348.60           April 2034         6,757,905.38         2,359,986.70         8,485,194.50           May 2034         6,577,905.38         2,353,849.00         8,232,738.37           June 2034         6,675,907.62         2,399,087.70         8,485,194.50           May 2034         6,577,905.38         2,358,490.00         8,164,938.89           July 2034         6,527,907.20         2,399,366.90         8,164,938	April 2033			
June 2033         8,110,550,93         2,894,561.58         10,255,272.64           July 2033         7,959,371.35         2,841,306.18         10,064,873.16           August 2033         7,810,672.45         2,788,908.33         9,877,572.27           September 2033         7,664,416.11         2,737,355.15         9,693,322.77           October 2033         7,520,564.77         2,686,633.91         9,512,078.19           November 2033         7,239,029,64         2,587,637.27         9,158,421.14           January 2034         7,103,073.49         2,539,337.35         8,985,919.05           February 2034         6,968,477.59         2,491,820.30         8,816,242.60           April 2034         6,836,107.08         2,445,074.30         8,485,194.50           Mary 2034         6,705,927.62         2,399,087.70         8,485,194.50           May 2034         6,577,905.38         2,353,849.00         8,237,383.73           July 2034         6,577,905.38         2,353,849.00         8,323,738.37           July 2034         6,528,199.70         2,265,570.23         8,008,755.38           August 2034         6,206,451.08         2,222,508.01         7,855,147.22           September 2034         6,206,451.08         2,222,508.01         7,	*			
July 2033         7,959,371.35         2,841,306.18         10,064,873.16           August 2033         7,810,672.45         2,788,908.33         9,877,572.27           September 2033         7,664,416.11         2,737,355.15         9,693,322.77           October 2033         7,520,564.77         2,686,633.91         9,512,078.19           November 2033         7,379,081.43         2,636,732.06         9,333,792.69           December 2033         7,239,929.64         2,587,637.27         9,158,421.14           January 2034         7,103,073,49         2,539,337.35         8,985,919.05           February 2034         6,968,477.59         2,491,820.30         8,816,242.60           March 2034         6,836,107.08         2,445,074.30         8,649,348.60           April 2034         6,705,927.62         2,399,087.70         8,485,194.50           May 2034         6,577,905.38         2,353,849.00         8,323,738.37           June 2034         6,452,007.02         2,309,346.90         8,164,938.89           July 2034         6,328,199.70         2,265,570.23         8,008,755.38           August 2034         6,627,499.29         2,188,049.00         8,164,938.89           July 2034         6,26,451.08         2,222,508.01         7,85	·			
August 2033         7,810,672.45         2,788,908.33         9,877,572.27           September 2033         7,664,416.11         2,737,355.15         9,693,322.77           October 2033         7,520,564.77         2,686,633.91         9,512,078.19           November 2033         7,379,081.43         2,636,732.06         9,333.792.69           December 2033         7,239,929.64         2,587,637.27         9,158,421.14           January 2034         6,968,477.59         2,491,820.30         8,816,242.60           March 2034         6,836,107.08         2,445,074.30         8,649,348.60           April 2034         6,705,927.62         2,399,087.70         8,485,194.50           May 2034         6,577,905.38         2,353,849.00         8,223,738.37           June 2034         6,577,905.38         2,353,849.00         8,232,378.37           July 2034         6,328,199.70         2,265,570.23         8,008,755.38           August 2034         6,206,451.08         2,222,508.01         7,855,147.72           September 2034         6,086,729.28         2,180,149.40         7,704,076.39           October 2034         5,969,002.90         2,138,483.73         7,555,502.46           November 2034         5,853,241.02         2,097,500.48	· ·			
September 2033         7,664,416.11         2,737,355.15         9,693,322.77           October 2033         7,520,564.77         2,686,633.91         9,512,078.19           November 2033         7,379,081.43         2,636,632.06         9,333,792.69           December 2033         7,239,929.64         2,587,637.27         9,158,421.14           January 2034         7,103,073.49         2,539,337.35         8,985,919.05           February 2034         6,968,477.59         2,491,820.30         8,816,242.60           March 2034         6,836,107.08         2,445,074.30         8,649,348.60           April 2034         6,705,927.62         2,399,087.70         8,485,194.50           May 2034         6,577,905.38         2,353,849.00         8,323,738.37           Jule 2034         6,328,199.70         2,265,570.23         8,008,755.38           August 2034         6,328,199.70         2,225,580.01         7,855,147.72           September 2034         6,086,729.28         2,180,149.40         7,704,076.39           October 2034         5,969,002.90         2,138,483.73         7,555,502.46           November 2034         5,853,241.02         2,097,500.48         7,409,387.57           December 2034         5,853,241.95         7,04,498.90	•	, , , , , , , , , , , , , , , , , , ,		
October 2033         7,520,564.77         2,686,633.91         9,512,078.19           November 2033         7,379,081.43         2,636,732.06         9,333,792.69           December 2033         7,239,929.64         2,587,637.27         9,158,421.14           January 2034         7,103,073.49         2,539,337.35         8,985,919.05           February 2034         6,968,477.59         2,491,820.30         8,816,242.60           March 2034         6,836,107.08         2,445,074.30         8,649,348.60           April 2034         6,705,927.62         2,399,987.70         8,485,194.50           May 2034         6,577,905.38         2,353,849.00         8,323,738.37           June 2034         6,452,007.02         2,399,346.90         8,164,938.89           July 2034         6,328,199.70         2,265,570.23         8,008,755.38           August 2034         6,206,451.08         2,222,508.01         7,855,147.72           September 2034         6,206,451.08         2,222,508.01         7,855,147.72           September 2034         5,699,002.99         2,138,483.73         7,555,502.46           November 2034         5,853,241.02         2,097,500.48         7,409,387.57           December 2034         5,859,492.29         2,017,539.90				
November 2033         7,379,081.43         2,636,732.06         9,333,792.69           December 2033         7,239,929.64         2,587,637.27         9,158,421.14           January 2034         7,103,073.49         2,539,337.55         8,985,919.05           February 2034         6,968,477.59         2,491,820.30         8,816,242.60           March 2034         6,836,107.08         2,445,074.30         8,649,348.60           April 2034         6,705,927.62         2,399,087.70         8,485,194.50           May 2034         6,577,905.38         2,353,849.00         8,323,738.37           Jule 2034         6,452,007.02         2,309,346.90         8,164,938.89           July 2034         6,328,199.70         2,265,570.23         8,008,755.38           August 2034         6,206,451.08         2,222,508.01         7,855,147.72           September 2034         6,086,729.28         2,180,149.40         7,704,076.39           October 2034         5,969,002.90         2,138,483.73         7,555,502.46           November 2034         5,853,241.02         2,097,500.48         7,409,387.57           December 2034         5,853,241.02         2,097,500.48         7,409,387.57           Pebruary 2035         5,517,439.86         1,978,542.29	*			
December 2033         7,239,929.64         2,587,637.27         9,158,421.14           January 2034         7,103,073.49         2,539,337.35         8,985,919.05           February 2034         6,968,477.59         2,491,820.30         8,816,242.60           March 2034         6,836,107.08         2,445,074.30         8,649,348.60           April 2034         6,705,927.62         2,399,087.70         8,485,194.50           May 2034         6,577,905.38         2,353,849.00         8,323,738.37           Jule 2034         6,452,007.02         2,309,346.90         8,164,938.89           July 2034         6,328,199.70         2,265,570.23         8,008,755.38           August 2034         6,206,451.08         2,222,508.01         7,855,147.72           September 2034         6,086,729.28         2,180,149.40         7,704,076.39           October 2034         5,969,002.90         2,138,483.73         7,555,502.46           November 2034         5,853,241.02         2,097,500.48         7,409,387.57           December 2034         5,739,413.16         2,057,189.27         7,265,693.92           January 2035         5,517,439.86         1,978,542.29         6,985,421.95           March 2035         5,409,235.72         1,940,186.53 <t< td=""><td></td><td>, ,</td><td></td><td></td></t<>		, ,		
January 2034         7,103,073.49         2,539,337.35         8,985,919.05           February 2034         6,968,477.59         2,491,820.30         8,816,242.60           March 2034         6,836,107.08         2,445,074.30         8,649,348.60           April 2034         6,705,927.62         2,399,087.70         8,485,194.50           May 2034         6,577,905.38         2,353,849.00         8,323,738.37           June 2034         6,452,007.02         2,309,346.90         8,164,938.89           July 2034         6,328,199.70         2,265,570.23         8,008,755.38           August 2034         6,206,451.08         2,222,508.01         7,855,147.72           September 2034         6,086,729.28         2,180,149.40         7,704,076.39           October 2034         5,969,002.90         2,138,483.73         7,555,502.46           November 2034         5,853,241.02         2,097,500.48         7,409,387.57           December 2034         5,853,241.02         2,097,500.48         7,409,387.57           December 2034         5,853,241.02         2,097,509.48         7,409,387.57           December 2034         5,739,413.16         2,057,189.27         7,265,693.92           January 2035         5,627,489.29         2,017,539.90				
February 2034         6,968,477.59         2,491,820.30         8,816,242.60           March 2034         6,836,107.08         2,445,074.30         8,649,348.60           April 2034         6,705,927.62         2,399,087.70         8,485,194.50           May 2034         6,577,905.38         2,353,849.00         8,323,738.37           June 2034         6,452,007.02         2,309,346.90         8,164,938.89           July 2034         6,328,199.70         2,265,570.23         8,008,755.38           August 2034         6,206,451.08         2,222,508.01         7,855,147.72           September 2034         6,086,729.28         2,180,149.40         7,704,076.39           October 2034         5,969,002.90         2,138,483.73         7,555,502.46           November 2034         5,853,241.02         2,097,500.48         7,409,387.57           December 2034         5,739,413.16         2,057,189.27         7,265,693.92           January 2035         5,627,489.29         2,017,539.90         7,124,384.28           February 2035         5,517,439.86         1,978,542.29         6,985,421.95           March 2035         5,302,848.18         1,902,462.83         6,714,395.17           May 2035         5,198,248.96         1,865,361.57         6,				, , , , , , , , , , , , , , , , , , ,
March 2034         6,836,107.08         2,445,074.30         8,649,348.60           April 2034         6,705,927.62         2,399,087.70         8,485,194.50           May 2034         6,577,905.38         2,353,849.00         8,23,738.37           June 2034         6,452,007.02         2,309,346.90         8,164,938.89           July 2034         6,328,199.70         2,265,570.23         8,008,755.38           August 2034         6,206,451.08         2,222,508.01         7,855,147.72           September 2034         6,086,729.28         2,180,149.40         7,704,076.39           October 2034         5,969,002.90         2,138,483.73         7,555,502.46           November 2034         5,853,241.02         2,097,500.48         7,409,387.57           December 2034         5,739,413.16         2,057,189.27         7,265,693.92           January 2035         5,517,439.86         1,978,542.29         6,985,421.95           March 2035         5,517,439.86         1,978,542.29         6,985,421.95           Mary 2035         5,502,489.29         1,940,186.53         6,848,770.79           April 2035         5,198,248.96         1,865,361.57         6,582,260.01           June 2035         5,198,248.96         1,865,361.57         6,582,260		, ,		
April 2034         6,705,927.62         2,399,087.70         8,485,194.50           May 2034         6,577,905.38         2,353,849.00         8,323,738.37           June 2034         6,452,007.02         2,309,346.90         8,164,938.89           July 2034         6,328,199.70         2,265,570.23         8,008,755.38           August 2034         6,206,451.08         2,222,508.01         7,855,147.72           September 2034         6,086,729.28         2,180,149.40         7,704,076.39           October 2034         5,969,002.90         2,138,483.73         7,555,502.46           November 2034         5,853,241.02         2,097,500.48         7,409,387.57           December 2034         5,739,413.16         2,057,189.27         7,265,693.92           January 2035         5,627,489.29         2,017,539.90         7,124,384.28           February 2035         5,517,439.86         1,978,542.29         6,985,421.95           March 2035         5,409,235.72         1,940,186.53         6,848,70.79           April 2035         5,302,848.18         1,902,462.83         6,714,395.17           May 2035         5,198,248.96         1,828,873.24         6,452,330.73           July 2035         5,995,410.21         1,828,873.24         6,452,3	•			
May 2034         6,577,905.38         2,353,849.00         8,323,738.37           June 2034         6,452,007.02         2,309,346.90         8,164,938.89           July 2034         6,328,199.70         2,265,570.23         8,008,755.38           August 2034         6,206,451.08         2,222,508.01         7,855,147.72           September 2034         6,086,729.28         2,180,149.40         7,704,076.39           October 2034         5,969,002.90         2,138,483.73         7,555,502.46           November 2034         5,853,241.02         2,097,500.48         7,409,387.57           December 2034         5,739,413.16         2,057,189.27         7,265,693.92           January 2035         5,627,489.29         2,017,539.90         7,124,384.28           February 2035         5,517,439.86         1,978,542.29         6,985,421.95           March 2035         5,409,235.72         1,940,186.53         6,848,770.79           April 2035         5,302,848.18         1,902,462.83         6,714,395.17           May 2035         5,198,248.96         1,865,361.57         6,582,260.01           June 2035         5,99,401.21         1,828,873.24         6,452,330.73           July 2035         4,944,304.49         1,792,988.50         6,324,57				
June 2034         6,452,007.02         2,309,346.90         8,164,938.89           July 2034         6,328,199.70         2,265,570.23         8,008,755.38           August 2034         6,206,451.08         2,222,508.01         7,855,147.72           September 2034         6,086,729.28         2,180,149.40         7,704,076.39           October 2034         5,969,002.90         2,138,483.73         7,555,502.46           November 2034         5,853,241.02         2,097,500.48         7,409,387.57           December 2034         5,739,413.16         2,057,189.27         7,265,693.92           January 2035         5,627,489.29         2,017,539.90         7,124,384.28           February 2035         5,517,493.86         1,978,542.29         6,985,421.95           March 2035         5,409,235.72         1,940,186.53         6,848,770.79           April 2035         5,302,848.18         1,902,462.83         6,714,395.17           May 2035         5,198,248.96         1,865,361.57         6,582,260.01           June 2035         5,198,248.96         1,865,361.57         6,582,260.01           June 2035         4,994,304.49         1,792,988.50         6,324,573.26           August 2035         4,994,304.49         1,792,988.50         6,32	*			
July 2034         6,328,199.70         2,265,570.23         8,008,755.38           August 2034         6,206,451.08         2,222,508.01         7,855,147.72           September 2034         6,086,729.28         2,180,149.40         7,704,076.39           October 2034         5,969,002.90         2,138,483.73         7,555,502.46           November 2034         5,853,241.02         2,097,500.48         7,409,387.57           December 2034         5,739,413.16         2,057,189.27         7,265,693.92           January 2035         5,627,489.29         2,017,539.90         7,124,384.28           February 2035         5,517,439.86         1,978,542.29         6,985,421.95           March 2035         5,409,235.72         1,940,186.53         6,848,770.79           April 2035         5,302,848.18         1,902,462.83         6,714,395.17           May 2035         5,198,248.96         1,865,361.57         6,582,260.01           June 2035         5,198,248.96         1,865,361.57         6,582,260.01           June 2035         4,994,304.49         1,792,988.50         6,324,573.26           August 2035         4,894,904.78         1,757,698.12         6,198,954.06           September 2035         4,707,1117.29         1,688,864.24 <t< td=""><td>·</td><td></td><td></td><td></td></t<>	·			
August 20346,206,451.082,222,508.017,855,147.72September 20346,086,729.282,180,149.407,704,076.39October 20345,969,002.902,138,483.737,555,502.46November 20345,853,241.022,097,500.487,409,387.57December 20345,739,413.162,057,189.277,265,693.92January 20355,627,489.292,017,539.907,124,384.28February 20355,517,439.861,978,542.296,985,421.95March 20355,409,235.721,940,186.536,848,770.79April 20355,302,848.181,902,462.836,714,395.17May 20355,198,248.961,865,361.576,582,260.01June 20355,095,410.211,828,873.246,452,330.73July 20354,994,304.491,792,988.506,324,573.26August 20354,894,904.781,757,698.126,198,954.06September 20354,797,184.461,722,993.016,075,440.06October 20354,797,184.461,722,993.016,075,440.06October 20354,606,677.451,655,302.975,834,597.82December 20354,513,839.471,622,300.525,717,205.87January 20364,422,578.291,589,848.315,601,791.68February 20364,332,869.231,557,937.915,488,324.57March 20364,244,687.941,526,561.005,376,774.29April 20364,158,010.461,495,709.395,267,111.07	·			
September 2034         6,086,729.28         2,180,149.40         7,704,076.39           October 2034         5,969,002.90         2,138,483.73         7,555,502.46           November 2034         5,853,241.02         2,097,500.48         7,409,387.57           December 2034         5,739,413.16         2,057,189.27         7,265,693.92           January 2035         5,627,489.29         2,017,539.90         7,124,384.28           February 2035         5,517,439.86         1,978,542.29         6,985,421.95           March 2035         5,409,235.72         1,940,186.53         6,848,770.79           April 2035         5,302,848.18         1,902,462.83         6,714,395.17           May 2035         5,198,248.96         1,865,361.57         6,582,260.01           June 2035         5,095,410.21         1,828,873.24         6,452,330.73           July 2035         4,994,304.49         1,792,988.50         6,324,573.26           August 2035         4,894,904.78         1,757,698.12         6,198,954.06           September 2035         4,797,184.46         1,722,993.01         6,075,440.06           October 2035         4,701,117.29         1,688,864.24         5,953,998.67           November 2035         4,606,677.45         1,655,302.97	•			
October 2034         5,969,002.90         2,138,483.73         7,555,502.46           November 2034         5,853,241.02         2,097,500.48         7,409,387.57           December 2034         5,739,413.16         2,057,189.27         7,265,693.92           January 2035         5,627,489.29         2,017,539.90         7,124,384.28           February 2035         5,517,439.86         1,978,542.29         6,985,421.95           March 2035         5,409,235.72         1,940,186.53         6,848,770.79           April 2035         5,302,848.18         1,902,462.83         6,714,395.17           May 2035         5,198,248.96         1,865,361.57         6,582,260.01           June 2035         5,095,410.21         1,828,873.24         6,452,330.73           July 2035         4,994,304.49         1,792,988.50         6,324,573.26           August 2035         4,894,904.78         1,757,698.12         6,198,954.06           September 2035         4,797,184.46         1,722,993.01         6,075,440.06           October 2035         4,701,117.29         1,688,864.24         5,953,998.67           November 2035         4,606,677.45         1,655,302.97         5,834,597.82           December 2035         4,513,839.47         1,622,300.52	e			
November 2034         5,853,241.02         2,097,500.48         7,409,387.57           December 2034         5,739,413.16         2,057,189.27         7,265,693.92           January 2035         5,627,489.29         2,017,539.90         7,124,384.28           February 2035         5,517,439.86         1,978,542.29         6,985,421.95           March 2035         5,409,235.72         1,940,186.53         6,848,770.79           April 2035         5,302,848.18         1,902,462.83         6,714,395.17           May 2035         5,198,248.96         1,865,361.57         6,582,260.01           June 2035         5,095,410.21         1,828,873.24         6,452,330.73           July 2035         4,994,304.49         1,792,988.50         6,324,573.26           August 2035         4,894,904.78         1,757,698.12         6,198,954.06           September 2035         4,797,184.46         1,722,993.01         6,075,440.06           October 2035         4,701,117.29         1,688,864.24         5,953,998.67           November 2035         4,606,677.45         1,655,302.97         5,834,597.82           December 2035         4,513,839.47         1,622,300.52         5,717,205.87           January 2036         4,422,578.29         1,589,848.31	•			
December 2034         5,739,413.16         2,057,189.27         7,265,693.92           January 2035         5,627,489.29         2,017,539.90         7,124,384.28           February 2035         5,517,439.86         1,978,542.29         6,985,421.95           March 2035         5,409,235.72         1,940,186.53         6,848,770.79           April 2035         5,302,848.18         1,902,462.83         6,714,395.17           May 2035         5,198,248.96         1,865,361.57         6,582,260.01           June 2035         5,095,410.21         1,828,873.24         6,452,330.73           July 2035         4,994,304.49         1,792,988.50         6,324,573.26           August 2035         4,894,904.78         1,757,698.12         6,198,954.06           September 2035         4,797,184.46         1,722,993.01         6,075,440.06           October 2035         4,701,117.29         1,688,864.24         5,953,998.67           November 2035         4,606,677.45         1,655,302.97         5,834,597.82           December 2035         4,513,839.47         1,622,300.52         5,717,205.87           January 2036         4,422,578.29         1,589,848.31         5,601,791.68           February 2036         4,332,869.23         1,557,937.91				
January 20355,627,489.292,017,539.907,124,384.28February 20355,517,439.861,978,542.296,985,421.95March 20355,409,235.721,940,186.536,848,770.79April 20355,302,848.181,902,462.836,714,395.17May 20355,198,248.961,865,361.576,582,260.01June 20355,095,410.211,828,873.246,452,330.73July 20354,994,304.491,792,988.506,324,573.26August 20354,894,904.781,757,698.126,198,954.06September 20354,797,184.461,722,993.016,075,440.06October 20354,701,117.291,688,864.245,953,998.67November 20354,606,677.451,655,302.975,834,597.82December 20354,513,839.471,622,300.525,717,205.87January 20364,422,578.291,589,848.315,601,791.68February 20364,332,869.231,557,937.915,488,324.57March 20364,244,687.941,526,561.005,376,774.29April 20364,158,010.461,495,709.395,267,111.07				
February 2035         5,517,439.86         1,978,542.29         6,985,421.95           March 2035         5,409,235.72         1,940,186.53         6,848,770.79           April 2035         5,302,848.18         1,902,462.83         6,714,395.17           May 2035         5,198,248.96         1,865,361.57         6,582,260.01           June 2035         5,095,410.21         1,828,873.24         6,452,330.73           July 2035         4,994,304.49         1,792,988.50         6,324,573.26           August 2035         4,894,904.78         1,757,698.12         6,198,954.06           September 2035         4,797,184.46         1,722,993.01         6,075,440.06           October 2035         4,701,117.29         1,688,864.24         5,953,998.67           November 2035         4,606,677.45         1,655,302.97         5,834,597.82           December 2035         4,513,839.47         1,622,300.52         5,717,205.87           January 2036         4,422,578.29         1,589,848.31         5,601,791.68           February 2036         4,332,869.23         1,557,937.91         5,488,324.57           March 2036         4,244,687.94         1,526,561.00         5,376,774.29           April 2036         4,158,010.46         1,495,709.39		, ,		
March 20355,409,235.721,940,186.536,848,770.79April 20355,302,848.181,902,462.836,714,395.17May 20355,198,248.961,865,361.576,582,260.01June 20355,095,410.211,828,873.246,452,330.73July 20354,994,304.491,792,988.506,324,573.26August 20354,894,904.781,757,698.126,198,954.06September 20354,701,117.291,688,864.245,953,998.67November 20354,606,677.451,655,302.975,834,597.82December 20354,513,839.471,622,300.525,717,205.87January 20364,422,578.291,589,848.315,601,791.68February 20364,332,869.231,557,937.915,488,324.57March 20364,244,687.941,526,561.005,376,774.29April 20364,158,010.461,495,709.395,267,111.07	•			
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October 2035       4,701,117.29       1,688,864.24       5,953,998.67         November 2035       4,606,677.45       1,655,302.97       5,834,597.82         December 2035       4,513,839.47       1,622,300.52       5,717,205.87         January 2036       4,422,578.29       1,589,848.31       5,601,791.68         February 2036       4,332,869.23       1,557,937.91       5,488,324.57         March 2036       4,244,687.94       1,526,561.00       5,376,774.29         April 2036       4,158,010.46       1,495,709.39       5,267,111.07	e			
November 2035       4,606,677.45       1,655,302.97       5,834,597.82         December 2035       4,513,839.47       1,622,300.52       5,717,205.87         January 2036       4,422,578.29       1,589,848.31       5,601,791.68         February 2036       4,332,869.23       1,557,937.91       5,488,324.57         March 2036       4,244,687.94       1,526,561.00       5,376,774.29         April 2036       4,158,010.46       1,495,709.39       5,267,111.07	*			
December 2035       4,513,839.47       1,622,300.52       5,717,205.87         January 2036       4,422,578.29       1,589,848.31       5,601,791.68         February 2036       4,332,869.23       1,557,937.91       5,488,324.57         March 2036       4,244,687.94       1,526,561.00       5,376,774.29         April 2036       4,158,010.46       1,495,709.39       5,267,111.07				
January 20364,422,578.291,589,848.315,601,791.68February 20364,332,869.231,557,937.915,488,324.57March 20364,244,687.941,526,561.005,376,774.29April 20364,158,010.461,495,709.395,267,111.07				, ,
February 2036       4,332,869.23       1,557,937.91       5,488,324.57         March 2036       4,244,687.94       1,526,561.00       5,376,774.29         April 2036       4,158,010.46       1,495,709.39       5,267,111.07				
March 2036	•	, , , , , , , , , , , , , , , , , , ,		
April 2036	·			
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Distribution Date	Classes JB, KB, MB and MP (in the aggregate)	Classes NA, NB and NC (in the aggregate)	Classes BN, GA, GB and PB (in the aggregate)
June 2036	\$ 3,989,072.91	\$ 1,435,549.87	\$ 5,053,328.83
July 2036	3,906,766.68	1,406,226.17	4,949,152.43
August 2036	3,825,871.95	1,377,396.16	4,846,748.29
September 2036	3,746,366.51	1,349,052.25	4,746,088.78
October 2036	3,668,228.46	1,321,186.92	4,647,146.65
November 2036	3,591,436.25	1,293,792.79	4,549,895.09
December 2036	3,515,968.64	1,266,862.58	4,454,307.67
January 2037	3,441,804.71	1,240,389.11	4,360,358.36
February 2037	3,368,923.87	1,214,365.31	4,268,021.51
March 2037	3,297,305.82	1,188,784.22	4,177,271.86
April 2037	3,226,930.57	1,163,638.97	4,088,084.52
May 2037	3,157,778.44	1,138,922.81	4,000,434.99
June 2037	3,089,830.04	1,114,629.06	3,914,299.10
July 2037	3,023,066.26	1,090,751.18	3,829,653.07
August 2037	2,957,468.30	1,067,282.69	3,746,473.46
September 2037	2,893,017.64	1,044,217.22	3,664,737.19
October 2037	2,829,696.02	1,021,548.49	3,584,421.53
November 2037	2,767,485.47	999,270.31	3,505,504.06
December 2037	2,706,368.30	977,376.61	3,427,962.73
January 2038	2,646,327.06	955,861.36	3,351,775.80
February 2038	2,587,344.59	934,718.65	3,276,921.86
March 2038	2,529,403.99	913,942.67	3,203,379.83
April 2038	2,472,488.58	893,527.66	3,131,128.92
May 2038	2,416,581.98	873,467.97	3,060,148.69
June 2038	2,361,668.03	853,758.04	2,990,418.98
July 2038	2,307,730.82	834,392.36	2,921,919.93
August 2038	2,254,754.68	815,365.53	2,854,631.99
September 2038	2,202,724.18	796,672.23	2,788,535.91
October 2038	2,151,624.13	778,307.21	2,723,612.70
November 2038	2,101,439.55	760,265.28	2,659,843.70
December 2038	2,052,155.72	742,541.37	2,597,210.49
January 2039	2,003,758.11	725,130.45	2,535,694.94
February 2039	1,956,232.44	708,027.58	2,475,279.21
March 2039	1,909,564.63	691,227.89	2,415,945.71
April 2039	1,863,740.81	674,726.58	2,357,677.11
May 2039	1,818,747.34	658,518.92	2,300,456.37
June 2039	1,774,570.78	642,600.26	2,244,266.67
July 2039	1,731,197.88	626,966.02	2,189,091.48
August 2039	1,688,615.61	611,611.67	2,134,914.50
September 2039	1,646,811.13	596,532.77	2,081,719.67
October 2039	1,605,771.81	581,724.93	2,029,491.19
November 2039	1,565,485.19	567,183.84	1,978,213.49
December 2039	1,525,939.02	552,905.23	1,927,871.23
January 2040	1,487,121.23	538,884.93	1,878,449.32
February 2040	1,449,019.94	525,118.80	1,829,932.89
March 2040	1,411,623.43	511,602.78	1,782,307.28
April 2040	1,374,920.20	498,332.86	1,735,558.08
May 2040	1,338,898.89	485,305.10	1,689,671.07
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Distribution Date	Classes JB, KB, MB and MP (in the aggregate)	Classes NA, NB and NC (in the aggregate)	Classes BN, GA, GB and PB (in the aggregate)
June 2040	\$ 1,303,548.33	\$ 472,515.61	\$ 1,644,632.28
July 2040	1,268,857.51	459,960.58	1,600,427.92
August 2040	1,234,815.62	447,636.22	1,557,044.43
September 2040	1,201,411.97	435,538.83	1,514,468.45
October 2040	1,168,636.08	423,664.75	1,472,686.81
November 2040	1,136,477.59	412,010.37	1,431,686.57
December 2040	1,104,926.34	400,572.16	1,391,454.97
January 2041	1,073,972.29	389,346.61	1,351,979.44
February 2041	1,043,605.57	378,330.29	1,313,247.61
March 2041	1,013,816.48	367,519.80	1,275,247.30
April 2041	984,595.44	356,911.81	1,237,966.50
May 2041	955,933.03	346,503.03	1,201,393.41
June 2041	927,819.98	336,290.23	1,165,516.40
July 2041	900,247.17	326,270.20	1,130,324.00
August 2041	873,205.59	316,439.82	1,095,804.94
September 2041	846,686.41	306,795.99	1,061,948.12
October 2041	820,680.90	297,335.67	1,028,742.59
November 2041	795,180.50	288,055.84	996,177.59
December 2041	770,176.75	278,953.57	964,242.52
January 2042	745,661.35	270,025.93	932,926.94
February 2042	721,626.11	261,270.07	902,220.57
March 2042	698,062.97	252,683.15	872,113.28
April 2042	674,964.01	244,262.42	842,595.12
May 2042	652,321.41	236,005.11	813,656.27
June 2042	630,127.49	227,908.55	785,287.07
July 2042	608,374.68	219,970.08	757,478.01
August 2042	587,055.53	212,187.08	730,219.73
September 2042	566,162.72	204,556.98	703,503.00
October 2042	545,689.02	197,077.25	677,318.76
November 2042	525,627.32	189,745.39	651,658.06
December 2042	505,970.65	182,558.94	626,512.11
January 2043	486,712.10	175,515.49	601,872.24
February 2043	467,844.92	168,612.65	577,729.93
March 2043	449,362.41	161,848.08	554,076.78
April 2043	431,258.03	155,219.46	530,904.53
May 2043	413,525.31	148,724.52	508,205.04
June 2043	396,157.88	142,361.03	485,970.30
July 2043	379,149.49	136,126.77	464,192.43
August 2043	362,493.98	130,019.58	442,863.67
September 2043	346,185.27	124,037.32	421,976.37
October 2043	330,217.41	118,177.88	401,523.01
November 2043	314,584.51	112,439.20	381,496.19
December 2043	299,280.79	106,819.22	361,888.62
January 2044	284,300.56	101,315.95	342,693.12
February 2044	269,638.23	95,927.40	323,902.63
March 2044	255,288.27	90,651.63	305,510.20
April 2044	241,245.26	85,486.71	287,508.98
May 2044	227,503.87	80,430.77	269,892.25

Distribution Date	N	Classes JB, KB, MB and MP (in the aggregate)		Classes NA, NB and NC he aggregate)	(	usses BN, GA, GB and PB the aggregate)
June 2044	\$	214,058.83	\$	75,481.95	\$	252,653.36
July 2044		200,904.99		70,638.41		235,785.79
August 2044		188,037.23		65,898.36		219,283.13
September 2044		175,450.57		61,260.01		203,139.04
October 2044		163,140.07		56,721.64		187,347.31
November 2044		151,100.88		52,281.51		171,901.80
December 2044		139,328.23		47,937.94		156,796.49
January 2045		127,817.42		43,689.27		142,025.46
February 2045		116,563.83		39,533.85		127,582.85
March 2045		105,562.92		35,470.06		113,462.92
April 2045		94,810.20		31,496.33		99,660.01
May 2045		84,301.27		27,611.09		86,168.57
June 2045		74,031.81		23,812.80		72,983.10
July 2045		63,997.54		20,099.95		60,098.22
August 2045		54,194.28		16,471.04		47,508.62
September 2045		44,617.89		12,924.61		35,209.09
October 2045		35,264.31		9,459.21		23,194.47
November 2045		26,129.56		6,073.42		11,459.72
December 2045		17,209.69		2,765.84		0.00
January 2046		8,500.84		0.00		0.00
February 2046 and thereafter		0.00		0.00		0.00

Distribution Date	Class ZA	Classes DA, DB and DL (in the aggregate)	Classes QA and QB (in the aggregate)
Initial Balance	\$25,503,158.00	\$36,595,690.00	\$39,346,676.00
July 2016	25,503,158.00	36,504,963.79	39,232,359.32
August 2016	25,493,615.25	36,405,161.08	39,108,808.56
September 2016	25,462,154.31	36,296,311.61	38,976,058.16
October 2016	25,408,917.37	36,178,450.89	38,834,147.75
November 2016	25,334,086.96	36,051,620.19	38,683,122.21
December 2016	25,237,885.80	35,915,866.52	38,523,031.54
January 2017	25,120,576.59	35,771,242.61	38,353,930.91
February 2017	24,982,461.72	35,617,806.87	38,175,880.61
March 2017	24,823,882.86	35,455,623.35	37,988,946.00
April 2017	24,645,220.50	35,284,761.72	37,793,197.47
May 2017	24,446,893.31	35,105,297.19	37,588,710.40
June 2017	24,229,357.54	34,917,310.47	37,375,565.13
July 2017	23,993,106.21	34,720,887.72	37,153,846.85
August 2017	23,738,668.25	34,516,120.45	36,923,645.59
September 2017	23,466,607.64	34,303,105.49	36,685,056.13
October 2017	23,177,522.24	34,081,944.87	36,438,177.93
November 2017	22,872,042.87	33,852,745.76	36,183,115.07
December 2017	22,550,831.95	33,615,620.37	35,919,976.15
January 2018	22,214,582.33	33,370,685.86	35,648,874.23
February 2018	21,864,015.91	33,118,064.23	35,369,926.71
March 2018	21,499,882.23	32,857,882.23	35,083,255.27
April 2018	21,122,957.01	32,590,271.22	34,788,985.76
May 2018	20,734,040.53	32,315,367.09	34,487,248.10
June 2018	20,333,956.10	32,033,310.10	34,178,176.16
July 2018	19,923,548.30	31,744,244.77	33,861,907.69
August 2018	19,503,681.30	31,448,319.77	33,538,584.17
September 2018	19,075,237.09	31,145,687.74	33,208,350.71
October 2018	18,639,113.62	30,836,505.20	32,871,355.95
November 2018	18,215,844.64	30,520,932.36	32,527,751.89
December 2018	17,805,228.81	30,207,394.60	32,186,062.82
January 2019	17,407,067.52	29,895,878.06	31,846,276.93
February 2019	17,021,164.87	29,586,368.93	31,508,382.44
March 2019	16,647,327.66	29,278,853.51	31,172,367.67
April 2019	16,285,365.30	28,973,318.21	30,838,220.98
May 2019	15,935,089.84	28,669,749.49	30,505,930.83
June 2019	15,596,315.89	28,368,133.91	30,175,485.70
July 2019	15,268,860.61	28,068,458.13	29,846,874.18
August 2019	14,952,543.65	27,770,708.87	29,520,084.89
September 2019	14,647,187.21	27,474,872.97	29,195,106.53
October 2019	14,352,615.85	27,180,937.33	28,871,927.86
November 2019	14,068,656.62	26,888,888.92	28,550,537.71
December 2019	13,795,138.92	26,598,714.84	28,230,924.97
January 2020	13,531,894.53	26,310,402.24	27,913,078.58
February 2020	13,278,757.53	26,023,938.35	27,596,987.56
March 2020	13,035,564.35	25,739,310.50	27,282,640.99
April 2020	12,802,153.64	25,456,506.09	26,970,027.99
May 2020	12,578,366.34	25,175,512.60	26,659,137.78
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Distribution Date	Class ZA	Classes DA, DB and DL (in the aggregate)	Classes QA and QB (in the aggregate)
June 2020	\$12,364,045.56	\$24,896,317.60	\$26,349,959.60
July 2020	12,159,036.60	24,618,908.74	26,042,482.79
August 2020	11,963,186.96	24,343,273.74	25,736,696.71
September 2020	11,776,346.23	24,069,400.40	25,432,590.80
October 2020	11,598,366.11	23,797,276.60	25,130,154.57
November 2020	11,429,100.41	23,526,890.31	24,829,377.58
December 2020	11,268,404.95	23,258,229.56	24,530,249.44
January 2021	11,116,137.60	22,991,282.46	24,232,759.82
February 2021	10,972,158.20	22,726,037.21	23,936,898.47
March 2021	10,836,328.62	22,462,482.07	23,642,655.16
April 2021	10,708,512.61	22,200,605.39	23,350,019.76
May 2021	10,588,575.89	21,940,395.57	23,058,982.17
June 2021	10,476,386.09	21,681,841.12	22,769,532.35
July 2021	10,371,812.66	21,424,930.60	22,481,660.31
August 2021	10,274,726.95	21,169,652.65	22,195,356.15
September 2021	10,185,002.12	20,915,995.98	21,910,609.98
October 2021	10,102,513.15	20,663,949.37	21,627,412.00
November 2021	10,027,136.77	20,413,501.68	21,345,752.45
December 2021	9,958,751.51	20,164,641.84	21,065,621.62
January 2022	9,897,237.60	19,917,358.85	20,787,009.87
February 2022	9,842,476.99	19,671,641.78	20,509,907.60
March 2022	9,794,353.36	19,427,479.77	20,234,305.27
April 2022	9,752,752.00	19,184,862.03	19,960,193.41
May 2022	9,717,559.90	18,943,777.84	19,687,562.56
June 2022	9,688,665.66	18,704,216.55	19,416,403.37
July 2022	9,665,959.48	18,466,167.57	19,146,706.48
August 2022	9,649,333.14	18,229,620.40	18,878,462.65
September 2022	9,638,680.00	17,994,564.57	18,611,662.63
October 2022	9,633,894.99	17,760,989.72	18,346,297.26
November 2022	9,633,894.99	17,528,885.53	18,082,357.42
December 2022	9,633,894.99	17,298,241.74	17,819,834.04
January 2023	9,633,894.99	17,069,048.19	17,558,718.10
February 2023	9,633,894.99	16,841,294.75	17,299,000.64
March 2023	9,633,894.99	16,614,971.37	17,040,672.75
April 2023	9,633,894.99	16,390,068.06	16,783,725.55
May 2023	9,633,894.99	16,166,574.91	16,528,150.22
June 2023	9,632,220.35	15,944,482.05	16,273,938.01
July 2023	9,624,682.19	15,723,779.69	16,021,080.19
August 2023	9,613,847.73	15,504,458.09	15,769,714.73
September 2023	9,600,505.54	15,286,507.58	15,522,097.93
October 2023	9,585,290.25	15,070,586.01	15,278,175.62
November 2023	9,568,256.77	14,857,528.08	15,037,894.36
December 2023	9,549,458.88	14,647,297.16	14,801,201.50
January 2024	9,528,949.23	14,439,857.04	14,568,045.10
February 2024	9,506,779.41	14,235,171.97	14,338,373.99
March 2024	9,482,999.89	14,033,206.67	14,112,137.71
April 2024	9,457,660.15	13,833,926.28	13,889,286.52
May 2024	9,430,808.57	13,637,296.39	13,669,771.37
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Distribution Date	Class ZA	Classes DA, DB and DL (in the aggregate)	Classes QA and QB (in the aggregate)
June 2024	\$ 9,402,492.56	\$13,443,283.01	\$13,453,543.93
July 2024	9,372,758.52	13,251,852.58	13,240,556.54
August 2024	9,341,651.85	13,062,971.97	13,030,762.22
September 2024	9,309,217.02	12,876,608.45	12,824,114.65
October 2024	9,275,497.53	12,692,729.72	12,620,568.19
November 2024	9,240,535.95	12,511,303.87	12,420,077.81
December 2024	9,204,373.99	12,332,299.39	12,222,599.16
January 2025	9,167,052.39	12,155,685.18	12,028,088.50
February 2025	9,128,611.05	11,981,430.51	11,836,502.71
March 2025	9,089,089.04	11,809,505.05	11,647,799.28
April 2025	9,048,524.51	11,639,878.86	11,461,936.31
May 2025	9,006,954.86	11,472,522.35	11,278,872.51
June 2025	8,964,416.60	11,307,406.33	11,098,567.15
July 2025	8,920,945.49	11,144,501.95	10,920,980.09
August 2025	8,876,576.49	10,983,780.73	10,746,071.77
September 2025	8,831,343.79	10,825,214.57	10,573,803.19
October 2025	8,785,280.80	10,668,775.71	10,404,135.90
November 2025	8,738,420.22	10,514,436.71	10,237,031.98
December 2025	8,690,794.00	10,362,170.53	10,072,454.10
January 2026	8,642,433.40	10,211,950.42	9,910,365.40
February 2026	8,593,368.94	10,063,750.00	9,750,729.59
March 2026	8,543,630.47	9,917,543.20	9,593,510.88
April 2026	8,493,247.16	9,773,304.30	9,438,674.00
May 2026	8,442,247.53	9,631,007.89	9,286,184.16
June 2026	8,390,659.41	9,490,628.88	9,136,007.08
July 2026	8,338,510.05	9,352,142.49	8,988,108.99
August 2026	8,285,826.01	9,215,524.28	8,842,456.56
September 2026	8,232,633.28	9,080,750.08	8,699,016.98
October 2026	8,178,957.21	8,947,796.05	8,557,757.86
November 2026	8,124,822.60	8,816,638.64	8,418,647.31
December 2026	8,070,253.62	8,687,254.60	8,281,653.88
January 2027	8,015,273.91	8,559,620.99	8,146,746.58
February 2027	7,959,906.52	8,433,715.12	8,013,894.85
March 2027	7,904,173.98	8,309,514.63	7,883,068.57
April 2027	7,848,098.25	8,186,997.40	7,754,238.05
May 2027	7,791,700.78	8,066,141.63	7,627,374.03
June 2027	7,735,002.51	7,946,925.77	7,502,447.66
July 2027	7,678,023.85	7,829,328.54	7,379,430.51
August 2027	7,620,784.73	7,713,328.95	7,258,294.56
September 2027	7,563,304.57	7,598,906.25	7,139,012.17
October 2027	7,505,602.32	7,486,039.98	7,021,556.13
November 2027	7,447,696.49	7,374,709.90	6,905,899.58
December 2027	7,389,605.07	7,264,896.07	6,792,016.08
January 2028	7,331,345.66	7,156,578.78	6,679,879.55
February 2028	7,272,935.36	7,049,738.55	6,569,464.28
March 2028	7,214,390.87	6,944,356.19	6,460,744.94
April 2028	7,155,728.44	6,840,412.71	6,353,696.55
May 2028	7,096,963.94	6,737,889.39	6,248,294.52
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Distribution Date	Class ZA	Classes DA, DB and DL (in the aggregate)	Classes QA and QB (in the aggregate)
June 2028	\$ 7,038,112.79	\$ 6,636,767.74	\$ 6,144,514.56
July 2028	6,979,190.03	6,537,029.49	6,042,332.78
August 2028	6,920,210.30	6,438,656.63	5,941,725.60
September 2028	6,861,187.87	6,341,631.34	5,842,669.79
October 2028	6,802,136.59	6,245,936.05	5,745,142.45
November 2028	6,743,069.97	6,151,553.42	5,649,121.02
December 2028	6,684,001.16	6,058,466.31	5,554,583.24
January 2029	6,624,942.93	5,966,657.80	5,461,507.20
February 2029	6,565,907.73	5,876,111.20	5,369,871.29
March 2029	6,506,907.67	5,786,810.02	5,279,654.19
April 2029	6,447,954.47	5,698,737.98	5,190,834.93
May 2029	6,389,059.59	5,611,879.01	5,103,392.82
June 2029	6,330,234.12	5,526,217.24	5,017,307.44
July 2029	6,271,488.85	5,441,737.00	4,932,558.72
August 2029	6,212,834.28	5,358,422.82	4,849,126.83
September 2029	6,154,280.59	5,276,259.44	4,766,992.25
October 2029	6,095,837.64	5,195,231.78	4,686,135.74
November 2029	6,037,515.05	5,115,324.94	4,606,538.33
December 2029	5,979,322.11	5,036,524.24	4,528,181.32
January 2030	5,921,267.86	4,958,815.16	4,451,046.30
February 2030	5,863,361.06	4,882,183.38	4,375,115.10
March 2030	5,805,610.19	4,806,614.75	4,300,369.83
April 2030	5,748,023.49	4,732,095.32	4,226,792.84
May 2030	5,690,608.92	4,658,611.29	4,154,366.76
June 2030	5,633,374.20	4,586,149.06	4,083,074.45
July 2030	5,576,326.82	4,514,695.19	4,012,899.02
August 2030	5,519,474.00	4,444,236.41	3,943,823.84
September 2030	5,462,822.74	4,374,759.63	3,875,832.50
October 2030	5,406,379.83	4,306,251.92	3,808,908.84
November 2030	5,350,151.79	4,238,700.51	3,743,036.92
December 2030	5,294,144.95	4,172,092.81	3,678,201.06
January 2031	5,238,365.41	4,106,416.36	3,614,385.77
February 2031	5,182,819.07	4,041,658.89	3,551,575.80
March 2031	5,127,511.62	3,977,808.27	3,489,756.13
April 2031	5,072,448.55	3,914,852.53	3,428,911.94
May 2031	5,017,635.14	3,852,779.85	3,369,028.65
June 2031	4,963,076.49	3,791,578.57	3,310,091.86
July 2031	4,908,777.50	3,731,237.16	3,252,087.39
August 2031	4,854,742.88	3,671,744.25	3,195,001.29
September 2031	4,800,977.19	3,613,088.62	3,138,819.77
October 2031	4,747,484.76	3,555,259.19	3,083,529.27
November 2031	4,694,269.80	3,498,245.01	3,029,116.42
December 2031	4,641,336.33	3,442,035.28	2,975,568.04
January 2032	4,588,688.18	3,386,619.34	2,922,871.14
February 2032	4,536,329.05	3,331,986.67	2,871,012.93
March 2032	4,484,262.47	3,278,126.87	2,819,980.79
April 2032	4,432,491.83	3,225,029.68	2,769,762.29
May 2032	4,381,020.34	3,172,684.97	2,720,345.20
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Distribution Date	Class ZA	Classes DA, DB and DL (in the aggregate)	Classes QA and QB (in the aggregate)
June 2032	\$ 4,329,851.06	\$ 3,121,082.76	\$ 2,671,717.43
July 2032	4,278,986.97	3,070,213.16	2,623,867.09
August 2032	4,228,430.81	3,020,066.44	2,576,782.46
September 2032	4,178,185.27	2,970,632.98	2,530,452.00
October 2032	4,128,252.85	2,921,903.29	2,484,864.31
November 2032	4,078,635.93	2,873,867.98	2,440,008.19
December 2032	4,029,336.79	2,826,517.81	2,395,872.57
January 2033	3,980,357.54	2,779,843.64	2,352,446.57
February 2033	3,931,700.22	2,733,836.47	2,309,719.46
March 2033	3,883,366.68	2,688,487.38	2,267,680.65
April 2033	3,835,358.72	2,643,787.59	2,226,319.72
May 2033	3,787,677.99	2,599,728.42	2,185,626.41
June 2033	3,740,326.06	2,556,301.33	2,145,590.60
July 2033	3,693,304.33	2,513,497.84	2,106,202.30
August 2033	3,646,614.15	2,471,309.63	2,067,451.70
September 2033	3,600,256.77	2,429,728.45	2,029,329.11
October 2033	3,554,233.29	2,388,746.17	1,991,824.99
November 2033	3,508,544.75	2,348,354.77	1,954,929.93
December 2033	3,463,192.09	2,308,546.33	1,918,634.68
January 2034	3,418,176.16	2,269,313.03	1,882,930.11
February 2034	3,373,497.69	2,230,647.15	1,847,807.21
March 2034	3,329,157.34	2,192,541.06	1,813,257.13
April 2034	3,285,155.70	2,154,987.26	1,779,271.13
May 2034	3,241,493.25	2,117,978.30	1,745,840.61
June 2034	3,198,170.41	2,081,506.87	1,712,957.08
July 2034	3,155,187.49	2,045,565.73	1,680,612.19
August 2034	3,112,544.74	2,010,147.75	1,648,797.72
September 2034	3,070,242.35	1,975,245.86	1,617,505.54
October 2034	3,028,280.41	1,940,853.12	1,586,727.67
November 2034	2,986,658.94	1,906,962.65	1,556,456.23
December 2034	2,945,377.91	1,873,567.69	1,526,683.46
January 2035	2,904,437.20	1,840,661.53	1,497,401.72
February 2035	2,863,836.64	1,808,237.58	1,468,603.47
March 2035	2,823,575.97	1,776,289.31	1,440,281.30
April 2035	2,783,654.91	1,744,810.29	1,412,427.88
May 2035	2,744,073.08	1,713,794.17	1,385,036.01
June 2035	2,704,830.05	1,683,234.68	1,358,098.60
July 2035	2,665,925.36	1,653,125.64	1,331,608.66
August 2035	2,627,358.45	1,623,460.92	1,305,559.28
September 2035	2,589,128.72	1,594,234.52	1,279,943.68
October 2035	2,551,235.55	1,565,440.47	1,254,755.17
November 2035	2,513,678.22	1,537,072.90	1,229,987.16
December 2035	2,476,456.00	1,509,126.02	1,205,633.16
January 2036	2,439,568.09	1,481,594.10	1,181,686.77
February 2036	2,403,013.63	1,454,471.51	1,158,141.69
March 2036	2,366,791.75	1,427,752.65	1,134,991.70
April 2036	2,330,901.51	1,401,432.04	1,112,230.70
May 2036	2,295,341.94	1,375,504.25	1,089,852.64
141ay 2000	4,470,041.94	1,5/5,504.45	1,007,004.04

Distribution Date	Class ZA	Classes DA, DB and DL (in the aggregate)	Classes QA and QB (in the aggregate)
June 2036	\$ 2,260,112.03	\$ 1,349,963.90	\$ 1,067,851.60
July 2036	2,225,210.71	1,324,805.72	1,046,221.73
August 2036	2,190,636.89	1,300,024.49	1,024,957.25
September 2036	2,156,389.43	1,275,615.05	1,004,052.50
October 2036	2,122,467.19	1,251,572.31	983,501.87
November 2036	2,088,868.94	1,227,891.26	963,299.87
December 2036	2,055,593.44	1,204,566.94	943,441.05
January 2037	2,022,639.44	1,181,594.46	923,920.07
February 2037	1,990,005.62	1,158,969.00	904,731.67
March 2037	1,957,690.66	1,136,685.80	885,870.64
April 2037	1,925,693.19	1,114,740.16	867,331.89
May 2037	1,894,011.81	1,093,127.42	849,110.36
June 2037	1,862,645.12	1,071,843.03	831,201.10
July 2037	1,831,591.67	1,050,882.46	813,599.22
August 2037	1,800,849.99	1,030,241.25	796,299.90
September 2037	1,770,418.58	1,009,914.99	779,298.40
October 2037	1,740,295.92	989,899.36	762,590.05
November 2037	1,710,480.49	970,190.05	746,170.24
December 2037	1,680,970.70	950,782.84	730,034.43
January 2038	1,651,764.99	931,673.55	714,178.17
February 2038	1,622,861.74	912,858.07	698,597.04
March 2038	1,594,259.34	894,332.32	683,286.72
April 2038	1,565,956.16	876,092.30	668,242.93
May 2038	1,537,950.51	858,134.04	653,461.48
June 2038	1,510,240.74	840,453.63	638,938.20
July 2038	1,482,825.15	823,047.23	624,669.03
August 2038	1,455,702.05	805,911.01	610,649.95
September 2038	1,428,869.70	789,041.24	596,876.99
October 2038	1,402,326.39	772,434.19	583,346.25
November 2038	1,376,070.35	756,086.21	570,053.90
December 2038	1,350,099.84	739,993.69	556,996.14
January 2039	1,324,413.08	724,153.07	544,169.25
February 2039	1,299,008.29	708,560.83	531,569.57
March 2039	1,273,883.68	693,213.50	519,193.46
April 2039	1,249,037.46	678,107.67	507,037.38
May 2039	1,224,467.79	663,239.94	495,097.81
June 2039	1,200,172.89	648,607.00	483,371.29
July 2039	1,176,150.91	634,205.54	471,854.43
August 2039	1,152,400.01	620,032.32	460,543.88
September 2039	1,128,918.36	606,084.14	449,436.32
October 2039	1,105,704.12	592,357.83	438,528.51
November 2039	1,082,755.43	578,850.29	427,817.25
December 2039	1,060,070.44	565,558.42	417,299.38
January 2040	1,037,647.27	552,479.20	406,971.79
February 2040	1,015,484.07	539,609.62	396,831.43
March 2040	993,578.96	526,946.73	386,875.28
April 2040	971,930.07	514,487.60	377,100.37
May 2040	950,535.54	502,229.37	367,503.79
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Distribution Date	 Class ZA	(in	Classes DA, DB and DL the aggregate)	Clas	sses QA and QB the aggregate)
June 2040	\$ 929,393.46	\$	490,169.19	\$	358,082.64
July 2040	908,501.96		478,304.25		348,834.11
August 2040	887,859.17		466,631.79		339,755.39
September 2040	867,463.20		455,149.07		330,843.74
October 2040	847,312.17		443,853.42		322,096.44
November 2040	827,404.19		432,742.16		313,510.84
December 2040	807,737.36		421,812.68		305,084.31
January 2041	788,309.83		411,062.38		296,814.25
February 2041	769,119.69		400,488.73		288,698.12
March 2041	750,165.07		390,089.19		280,733.42
April 2041	731,444.09		379,861.28		272,917.68
May 2041	712,954.87		369,802.55		265,248.45
June 2041	694,695.52		359,910.58		257,723.36
July 2041	676,664.19		350,182.98		250,340.03
August 2041	658,859.00		340,617.41		243,096.15
September 2041	641,278.06		331,211.52		235,989.43
October 2041	623,919.54		321,963.04		229,017.62
November 2041	606,781.56		312,869.70		222,178.50
December 2041	589,862.25		303,929.26		215,469.88
January 2042	573,159.78		295,139.54		208,889.63
February 2042	556,672.28		286,498.34		202,435.61
March 2042	540,397.93		278,003.54		196,105.74
April 2042	524,334.86		269,653.01		189,897.98
May 2042	508,481.26		261,444.68		183,810.30
June 2042	492,835.29		253,376.47		177,840.71
July 2042	477,395.13		245,446.37		171,987.25
August 2042	462,158.96		237,652.36		166,247.99
September 2042	447,124.97		229,992.48		160,621.04
October 2042	432,291.35		222,464.77		155,104.52
November 2042	417,656.30		215,067.31		149,696.59
December 2042	403,218.03		207,798.20		144,395.43
January 2043	388,974.75		200,655.58		139,199.27
February 2043	374,924.69		193,637.58		134,106.35
March 2043	361,066.06		186,742.40		129,114.93
April 2043	347,397.11		179,968.23		124,223.31
May 2043	333,916.08		173,313.30		119,429.82
June 2043	320,621.22		166,775.87		114,732.80
July 2043	307,510.77		160,354.20		110,130.63
August 2043	294,583.01		154,046.60		105,621.70
September 2043	281,836.21		147,851.39		101,204.45
October 2043	269,268.66		141,766.91		96,877.32
November 2043	256,878.63		135,791.52		92,638.78
December 2043	244,664.43		129,923.62		88,487.33
January 2044	232,624.36		124,161.62		84,421.50
February 2044	220,756.75		118,503.95		80,439.82
March 2044	209,059.90		112,949.05		76,540.86
April 2044	197,532.15		107,495.41		72,723.21
May 2044	186,171.84		102,141.53		68,985.48
, 2011	100,1/1.01		102,111.70		00,707.10

Distribution Date	Class ZA	1	Classes DA, DB and DL he aggregate)	Class (in t	ses QA and QB he aggregate)
June 2044	\$ 174,977.33	\$	96,885.91	\$	65,326.30
July 2044	163,946.96		91,727.09		61,744.33
August 2044	153,079.11		86,663.63		58,238.24
September 2044	142,372.15		81,694.11		54,806.73
October 2044	131,824.47		76,817.11		51,448.51
November 2044	121,434.46		72,031.25		48,162.31
December 2044	111,200.54		67,335.17		44,946.90
January 2045	101,121.09		62,727.52		41,801.05
February 2045	91,194.57		58,206.97		38,723.55
March 2045	81,419.40		53,772.20		35,713.22
April 2045	71,794.02		49,421.92		32,768.90
May 2045	62,316.86		45,154.87		29,889.42
June 2045	52,986.43		40,969.76		27,073.66
July 2045	43,801.16		36,865.38		24,320.51
August 2045	34,759.56		32,840.49		21,628.88
September 2045	25,860.09		28,893.88		18,997.67
October 2045	17,101.29		25,024.37		16,425.84
November 2045	8,481.64		21,230.78		13,912.34
December 2045	0.00		17,511.96		11,456.13
January 2046	0.00		13,866.75		9,056.22
February 2046	0.00		10,294.04		6,711.60
March 2046	0.00		6,792.71		4,421.29
April 2046	0.00		3,361.67		2,184.33
May 2046 and thereafter	0.00		0.00		0.00

## Underlying Certificate

Ginnie Mae I or II	ш
Approximate Weighted Average Loan Age of Mortgage Loans (in months)(3)	2
Approximate Weighted Average Remaining Term to Maturity of Mortgage Loans (in months)(3)	358
Approximate Weighted Average Coupon of Mortgage Loans(3)	3.893%
Percentage of Class in Trust	100%
Notional Balance in Trust	\$9,984,500
Underlying Certificate Factor(2)	0.99845007
Original Notional Balance of Class	\$10,000,000
Principal Type(1)	NTL(PT)
Final Distribution Date	May 2046
Interest Type(1)	FIX/IO
Interest	3.5%
CUSIP	38379YAL2
Issue Date	2
Class	Ħ
Series	2016-066
Issuer	Ginnie Mae
Trust Asset Subgroup	8B

As defined under "Class Types" in Appendix I to the Base Offering Circular.
 Underlying Certificate Factor is as of June 2016.
 Based on information as of June 2016.

#### Exhibit B

## Cover Page and Terms Sheet from Underlying Certificate Disclosure Document



## \$412,725,139 Government National Mortgage Association GINNIE MAE®

#### Guaranteed REMIC Pass-Through Securities and MX Securities Ginnie Mae REMIC Trust 2016-066

#### The Securities

The Trust will issue the Classes of Securities listed on the front cover of this offering circular supplement.

#### The Ginnie Mae Guaranty

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

#### The Trust and its Assets

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

The 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 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 27, 2016.

You should read the Base Offering Circular as well as this Supplement.

The securities are exempt from registration under the Securities Act of 1933 and are "exempted securities" under the Securities Exchange Act of 1934.

Class of REMIC Securities	Original Principal Balance(2)	Interest Rate	Principal Type(3)	Interest Type(3)	CUSIP Number	Final Distribution Date(4)
Security Group 1	\$ 9,650,004	(5)	SC/PT	WAC/DLY	38379YAA6	August 2034
Security Group 2	30,283,549	(5)	SC/PT	WAC/DLY	38379YAB4	February 2044
Security Group 3 AITAZT	26,661,904	4.00%	NTL(SC/PT)	FIX/IO	38379YAC2	August 2045
	23,593,836	2.50	SC/TAC/AD	FIX	38379YAD0	August 2045
	3,068,068	2.50	SC/SUP	FIX/Z	38379YAE8	August 2045
Security Group 4 BL	11,704,000	3.00	SC/SEQ/AD	FIX	38379YAF5	April 2046
	3,000	3.00	SC/SEQ/AD	FIX	38379YAG3	April 2046
	7,339	3.00	SC/SEQ	FIX/Z	38379YAH1	April 2046
Security Group 5 HA HB HI HZ	51,602,733 4,614,519 10,000,000 13,782,748	3.00 3.00 3.50 3.00	PAC/AD PAC/AD NTL(PT) SUP	FIX FIX FIX/IO FIX/Z	38379YAJ7 38379YAK4 38379YAL2 38379YAM0	May 2045 May 2046 May 2046 May 2046
Security Group 6 EA(1) EB(1) EC EC EF(1) EQ EZ HS(1) HT(1)	36,809,763	3.00	PAC I	FIX	38379YAN8	October 2044
	3,776,922	3.00	PAC I	FIX	38379YAP3	December 2045
	1,681,723	3.00	PAC I	FIX	38379YAQ1	May 2046
	20,571,428	(5)	PT	FLT	38379YAR9	May 2046
	2,762,800	3.00	PAC II/AD	FIX	38379YAF5	May 2046
	6,397,364	3.00	SUP	FIX/Z	38379YAT5	May 2046
	20,571,428	(5)	NTL(PT)	INV/IO	38379YAU2	May 2046
	20,571,428	(5)	NTL(PT)	INV/IO	38379YAV0	May 2046
Security Group 7	4,877,000	3.50	SC/SEQ/AD	FIX	38379YAW8	July 2044
VAZA	10,135,343	3.50	SC/SEQ	FIX/Z	38379YAX6	July 2044
Security Group 8   CA(1)   CV(1)   CZ(1)   CC   CC   CC   CC   CC   CC   CC	90,000,000 2,617,000 6,506,000 9,655,000	3.00 3.00 3.00 3.00 3.00	PAC/AD AD/PAC PAC/AD SUP	FIX FIX FIX/Z FIX/Z	38379YAY4 38379YAZ1 38379YBA5 38379YBB3	December 2044 September 2027 May 2046 May 2046
Security Group 9 GA(1) GT GV(1) GZ(1)	51,012,000	3.00	PAC	FIX	38379YBC1	November 2045
	7,154,000	3.00	SUP	FIX	38379YBD9	May 2046
	526,000	3.00	AD/PAC	FIX	38379YBE7	September 2027
	1,308,000	3.00	PAC	FIX/Z	38379YBF4	May 2046
Security Group 10           TV(1)	2,474,000	3.00	SC/AD/SEQ	FIX	38379YBG2	April 2046
	6,151,000	3.00	SC/SEQ	FIX/Z	38379YBH0	April 2046
Residual RR	0	0.00	NPR	NPR	38379YBJ6	May 2046

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

## **BofA Merrill Lynch**

## **Tribal Capital Markets, LLC**

The date of this Offering Circular Supplement is May 23, 2016.

#### **TERMS SHEET**

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

**Sponsor:** Merrill Lynch, Pierce, Fenner & Smith Incorporated

**Co-Sponsor:** Tribal Capital Markets, LLC **Trustee:** U.S. Bank National Association

**Tax Administrator:** The Trustee **Closing Date:** May 27, 2016

**Distribution Dates:** For the Group 1, 2, 3, 4, 5, 6, 8, 9 and 10 Securities, the 20th day of each month or, if the 20th day is not a Business Day, the first Business Day thereafter, commencing in June 2016. For the Group 7 Securities, the 16th day of each month or, if the 16th day is not a Business Day, the first Business Day thereafter, commencing in June 2016.

#### **Trust Assets:**

rust Asset Type	Certificate Rate	Original Term To Maturity (in years)
lying Certificates	(1)	(1)
lying Certificates	(1)	(1)
rlying Certificate	(1)	(1)
lying Certificates	(1)	(1)
innie Mae II	3.5%	30
innie Mae II	4.0%	30
lying Certificates	(1)	(1)
innie Mae II	3.0%	30
innie Mae II	3.0%	30
lying Certificates	(1)	(1)
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<sup>(1)</sup> Certain information regarding the Underlying Certificates is set forth in Exhibits A and B to this Supplement.

**Security Groups:** This series of Securities consists of multiple Security Groups (each, a "Group"), as shown on the front cover of this Supplement and on Schedule I to this Supplement. Except in the case of certain MX Classes in Groups 8, 9 and 10, payments on each Group will be based solely on payments on the Trust Asset Group with the same numerical designation.

## Assumed Characteristics of the Mortgage Loans Underlying the Group 5, 6, 8 and 9 Trust Assets<sup>(1)</sup>:

Principal Balance	Weighted Average Remaining Term to Maturity (in months)	Weighted Average Loan Age (in months)	Weighted Average Mortgage Rate <sup>(2)</sup>
<b>Group 5 Trust Assets</b> \$70,000,000	358	1	3.910%
<b>Group 6 Trust Assets</b> \$72,000,000	359	1	4.440%
<b>Group 8 Trust Assets</b> \$108,778,000 <sup>(3)</sup>	356	1	3.436%
<b>Group 9 Trust Assets</b> \$33,250,000 <sup>(3)</sup> \$23,000,000 <sup>(3)</sup> \$ 3,750,000 <sup>(3)</sup> \$60,000,000	345 358 319	12 2 38	3.460% 3.500% 3.350%

<sup>(1)</sup> As of May 1, 2016.

The actual remaining terms to maturity, loan ages and Mortgage Rates of many of the Mortgage Loans underlying the Group 5, 6, 8 and 9 Trust Assets will differ from the weighted averages shown above, perhaps significantly. See "The Trust Assets — The Mortgage Loans" in this Supplement.

Characteristics of the Mortgage Loans Underlying the Group 1, 2, 3, 4, 7 and 10 Trust Assets: See Exhibit A to this Supplement for certain information regarding the characteristics of the Mortgage Loans included in the related Underlying Trusts.

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

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

**Increased Minimum Denomination Classes:** Each Class that constitutes an Interest Only Class. *See "Description of the Securities — Form of Securities" in this Supplement.* 

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

<sup>(2)</sup> The Mortgage Loans underlying the Group 5, 6, 8 and 9 Trust Assets may bear interest at rates ranging from 0.25% to 1.50% per annum above the related Certificate Rate.

<sup>(3)</sup> More than 10% of the Mortgage Loans underlying the Group 8 and 9 Trust Assets may be higher balance Mortgage Loans. See "Risk Factors" in this Supplement.

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

Class	Interest Rate Formula(1)	Initial Interest Rate(2)	Minimum Rate	Maximum Rate	Delay (in days)	LIBOR for Minimum Interest Rate
EF	LIBOR + 0.45%	0.890%	0.45%	6.50%	0	0.00%
ES	6.05% – LIBOR	5.610%	0.00%	6.05%	0	6.05%
HF	LIBOR + 0.50%	0.940%	0.50%	6.50%	0	0.00%
HS	6.00% - LIBOR	5.560%	0.00%	6.00%	0	6.00%
НТ	6.05% – LIBOR	0.050%	0.00%	0.05%	0	6.05%

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

Each of Classes AB and PA is a Weighted Average Coupon Class. Class AB will accrue interest during each Accrual Period at a per annum Interest Rate equal to the WACR of the Group 1 Trust Assets for that Accrual Period. The approximate initial Interest Rate for Class AB, which will be in effect for the first Accrual Period, is 6.58568%. Class PA will accrue interest during each Accrual Period at a per annum Interest Rate equal to the WACR of the Group 2 Trust Assets for that Accrual Period. The approximate initial Interest Rate for Class PA, which will be in effect for the first Accrual Period, is 5.04545%.

**Allocation of Principal:** On each Distribution Date, the following distributions will be made to the related Securities:

#### **SECURITY GROUP 1**

The Group 1 Principal Distribution Amount will be allocated to AB, until retired

#### **SECURITY GROUP 2**

The Group 2 Principal Distribution Amount will be allocated to PA, until retired

#### **SECURITY GROUP 3**

The Group 3 Principal Distribution Amount and the ZT Accrual Amount will be allocated in the following order of priority:

- 1. To TA, until reduced to its Scheduled Principal Balance for that Distribution Date
- 2. To ZT, until retired
- 3. To TA, without regard to its Scheduled Principal Balance, until retired

#### **SECURITY GROUP 4**

The Group 4 Principal Distribution Amount and the BZ Accrual Amount will be allocated sequentially, to BX, BL and BZ, in that order, until retired

#### **SECURITY GROUP 5**

The Group 5 Principal Distribution Amount and the HZ Accrual Amount will be allocated in the following order of priority:

- 1. Sequentially, to HA and HB, in that order, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date
  - 2. To HZ, until retired
- 3. Sequentially, to HA and HB, in that order, without regard to their Aggregate Scheduled Principal Balance, until retired

#### **SECURITY GROUP 6**

The Group 6 Principal Distribution Amount and the EZ Accrual Amount will be allocated as follows:

- The EZ Accrual Amount in the following order of priority:
  - 1. To EQ, until reduced to its Scheduled Principal Balance for that Distribution date
  - 2. To EZ, until retired
- The Group 6 Principal Distribution Amount, concurrently, in the following order of priority:
  - 1. 28.5714277778% to EF, until retired
  - 2. 71.4285722222% in the following priority:
  - a. Sequentially, to EA, EB and EC, in that order, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date
    - b. To EQ, until reduced to its Scheduled Principal Balance for that Distribution Date
    - c. To EZ, until retired
    - d. To EQ, without regard to its Scheduled Principal Balance, until retired
  - e. Sequentially, to EA, EB and EC, in that order, without regard to their Aggregate Scheduled Principal Balance, until retired

#### **SECURITY GROUP 7**

The Group 7 Principal Distribution Amount and the ZA Accrual Amount will be allocated, sequentially, to VA and ZA, in that order, until retired

#### **SECURITY GROUP 8**

The Group 8 Principal Distribution Amount, the CZ Accrual Amount and the ZC Accrual Amount will be allocated as follows:

- The CZ Accrual Amount, sequentially, to CV and CZ, in that order, until retired
- The Group 8 Principal Distribution Amount and the ZC Accrual Amount in the following order of priority:
  - 1. Sequentially, to CA, CV and CZ, in that order, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date
  - 2. To ZC, until retired

3. Sequentially, to CA, CV and CZ, in that order, without regard to their Aggregate Scheduled Principal Balance, until retired

#### **SECURITY GROUP 9**

The Group 9 Principal Distribution Amount and the GZ Accrual Amount will be allocated as follows:

- The GZ Accrual Amount, sequentially, to GV and GZ, in that order, until retired
- The Group 9 Principal Distribution Amount in the following order of priority:
  - 1. Sequentially, to GA, GV and GZ, in that order, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date
  - 2. To GT, until retired
  - 3. Sequentially, to GA, GV and GZ, in that order, without regard to their Aggregate Scheduled Principal Balance, until retired

#### **SECURITY GROUP 10**

The Group 10 Principal Distribution Amount and the TZ Accrual Amount will be allocated, sequentially, to TV and TZ, in that order, 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 or Rate:

	Structuring Ranges or Rate
PAC Classes	
CA, CV and CZ (in the aggregate)	138% PSA through 200% PSA
GA, GV and GZ (in the aggregate)	135% PSA through 200% PSA
HA and HB (in the aggregate)	110% PSA through 250% PSA
PAC I Classes	
EA, EB and EC (in the aggregate)	127% PSA through 225% PSA
PAC II Class	
EQ	137% PSA through 225% PSA
TAC Class	
TA	150% PSA

**Accrual Classes:** Interest will accrue on each Accrual Class identified on the 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 Balances or the outstanding principal balance of the related Trust Asset Group indicated:

Class	Original Class Notional Balance	Represents Approximately
AI	\$26,661,904	100% of the Group 3 Trust Assets
CI	30,000,000	33.3333333333% of CA (PAC/AD Class)
EI	9,202,440	25% of EA (PAC I Class)
ES	20,571,428	100% of EF (PT Class)
GI	17,004,000	33.3333333333% of GA (PAC Class)
НІ	10,000,000	14.2857142857% of the Group 5 Trust Assets
HS	20,571,428	100% of EF (PT Class)
HT	20,571,428	100% of EF (PT Class)
IE	10,146,671	25% of EA and EB (in the aggregate) (PAC I Classes)
IH	944,230	25% of EB (PAC I Class)

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

**Regular and Residual Classes:** Class RR is a Residual Class and represents the Residual Interest of the Issuing REMIC and the Pooling REMIC. All other Classes of REMIC Securities are Regular Classes.



\$1,011,329,123

**Government National Mortgage Association** 

## **GINNIE MAE**®

Guaranteed REMIC
Pass-Through Securities
and MX Securities
Ginnie Mae REMIC Trust 2016-083

OFFERING CIRCULAR SUPPLEMENT June 23, 2016

Goldman, Sachs & Co. Ramirez & Co., Inc.