

\$368,832,316



FannieMae[®]

**Guaranteed REMIC Pass-Through Certificates
Fannie Mae REMIC Trust 2016-89**

The Certificates

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

Payments to Certificateholders

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

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

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

The Fannie Mae Guaranty

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

The Trust and its Assets

The trust will own Fannie Mae MBS.

The mortgage loans underlying the Fannie Mae MBS are first lien, single-family, fixed-rate loans.

Class	Group	Original Class Balance	Principal Type(1)	Interest Rate	Interest Type(1)	CUSIP Number	Final Distribution Date
FH	1	\$ 58,761,649	PT	(2)	FLT	3136AUNL1	December 2046
SH	1	58,761,649(3)	NTL	(2)	INV/IO	3136AUNM9	December 2046
HA(4) . .	1	36,784,000	PAC/AD	3.00%	FIX	3136AUNN7	December 2046
ZH	1	7,287,237	SUP	3.00	FIX/Z	3136AUNP2	December 2046
QH	2	164,891,000	PAC/AD	2.25	FIX	3136AUNQ0	December 2046
QI	2	58,889,642(3)	NTL	3.50	FIX/IO	3136AUNR8	December 2046
QB	2	418,000	PAC/AD	3.50	FIX	3136AUNS6	December 2046
ZQ	2	48,354,951	SUP	3.50	FIX/Z	3136AUNT4	December 2046
CA(4) . .	3	19,343,000	PAC	2.50	FIX	3136AUNU1	April 2046
CY	3	1,057,000	PAC	2.50	FIX	3136AUNV9	December 2046
CF(4) . .	3	3,133,333	TAC/AD	(2)	FLT	3136AUNW7	December 2046
CS(4) . .	3	2,506,667	TAC/AD	(2)	INV	3136AUNX5	December 2046
ZC	3	127,740	SUP	2.50	FIX/Z	3136AUNY3	December 2046
FC	3	26,167,739	PT	(2)	FLT	3136AUNZ0	December 2046
SC	3	26,167,739(3)	NTL	(2)	INV/IO	3136AUPA3	December 2046
R		0	NPR	0	NPR	3136AUPB1	December 2046
RL		0	NPR	0	NPR	3136AUPC9	December 2046

(1) See "Description of the Certificates—Class Definitions and Abbreviations" in the REMIC prospectus.

(2) Based on LIBOR.

(3) Notional principal balances. These Classes are interest only classes. See page S-5 for a description of how their notional principal balances are calculated.

(4) Exchangeable classes.

If you own certificates of certain classes, you can exchange them for certificates of the corresponding RCR classes to be delivered at the time of exchange. The HE, HI, HD, HC, HB, CE, CI, CD, CB, CG, CJ and TC Classes are the RCR classes. For a more detailed description of the RCR classes, see Schedule 1 attached to this prospectus supplement and "Description of the Certificates—Combination and Recombination—RCR Certificates" in the REMIC prospectus.

The dealer will offer the certificates from time to time in negotiated transactions at varying prices. We expect the settlement date to be November 30, 2016.

Carefully consider the risk factors starting on page 14 of the REMIC prospectus. Unless you understand and are able to tolerate these risks, you should not invest in the certificates.

You should read the REMIC prospectus as well as this prospectus supplement.

The certificates, together with interest thereon, are not guaranteed by the United States and do not constitute a debt or obligation of the United States or any agency or instrumentality thereof other than Fannie Mae.

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

MORGAN STANLEY

The date of this Prospectus Supplement is November 22, 2016

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AVAILABLE INFORMATION

You should purchase the certificates only if you have read and understood this prospectus supplement and the following documents (the “Disclosure Documents”):

- our Prospectus for Fannie Mae Guaranteed REMIC Pass-Through Certificates dated June 1, 2014 (the “REMIC Prospectus”);
- our Prospectus for Fannie Mae Guaranteed Pass-Through Certificates (Single-Family Residential Mortgage Loans) dated
 - June 1, 2016, for all MBS issued on or after June 1, 2016,
 - October 1, 2014, for all MBS issued on or after October 1, 2014 and prior to June 1, 2016,
 - March 1, 2013, for all MBS issued on or after March 1, 2013 and prior to October 1, 2014,
 - February 1, 2012, for all MBS issued on or after February 1, 2012 and prior to March 1, 2013,
 - July 1, 2011, for all MBS issued on or after July 1, 2011 and prior to February 1, 2012,
 - June 1, 2009, for all MBS issued on or after January 1, 2009 and prior to July 1, 2011,
 - April 1, 2008, for all MBS issued on or after June 1, 2007 and prior to January 1, 2009, or
 - January 1, 2006, for all other MBS(as applicable, the “MBS Prospectus”); and
- any information incorporated by reference in this prospectus supplement as discussed below and under the heading “Incorporation by Reference” in the REMIC Prospectus.

For a description of current servicing policies generally applicable to existing Fannie Mae MBS pools, see “Yield, Maturity and Prepayment Considerations” in the MBS Prospectus dated June 1, 2016.

The MBS Prospectus is incorporated by reference in this prospectus supplement. This means that we are disclosing information in that document by referring you to it. That document is considered part of this prospectus supplement, so you should read this prospectus supplement, and any applicable supplements or amendments, together with that document.

You can obtain copies of the Disclosure Documents by writing or calling us at:

Fannie Mae
MBS Helpline
3900 Wisconsin Avenue, N.W., Area 2H-3S
Washington, D.C. 20016
(telephone 800-2FANNIE).

In addition, the Disclosure Documents, together with the class factors, are available on our corporate Web site at www.fanniemae.com.

You also can obtain copies of the REMIC Prospectus and the MBS Prospectus by writing or calling the dealer at:

Morgan Stanley & Co. LLC
c/o Broadridge Financial Solutions
Prospectus Department
1155 Long Island Avenue
Edgewood, NY 11717
(telephone 631-274-2740).

SUMMARY

This summary contains only limited information about the certificates. Statistical information in this summary is provided as of November 1, 2016. You should purchase the certificates only after reading this prospectus supplement and each of the additional disclosure documents listed on page S-3. In particular, please see the discussion of risk factors that appears in each of those additional disclosure documents.

Assets Underlying Each Group of Classes

Group	Assets
1	Group 1 MBS
2	Group 2 MBS
3	Group 3 MBS

Group 1, Group 2 and Group 3

Characteristics of the MBS

	Approximate Principal Balance	Pass- Through Rate	Range of Weighted Average Coupons or WACs (annual percentages)	Range of Weighted Average Remaining Terms to Maturity or WAMs (in months)
Group 1 MBS	\$102,832,886	5.00%	5.25% to 7.50%	170 to 360
Group 2 MBS	\$213,663,951	3.50%	3.75% to 6.00%	241 to 360
Group 3 MBS	\$ 52,335,479	4.50%	4.75% to 7.00%	241 to 360

Assumed Characteristics of the Underlying Mortgage Loans

	Principal Balance	Original Term to Maturity (in months)	Remaining Term to Maturity (in months)	Loan Age (in months)	Interest Rate
Group 1 MBS	\$102,832,886	360	284	67	5.416%
Group 2 MBS	\$213,663,951	360	357	3	4.260%
Group 3 MBS	\$ 52,335,479	360	353	5	4.890%

The actual remaining terms to maturity, loan ages and interest rates of most of the mortgage loans underlying the MBS will differ from those shown above, and may differ significantly. See “Risk Factors—Risks Relating to Yield and Prepayment—*Yields on and weighted average lives of the certificates are affected by actual characteristics of the mortgage loans backing the series trust assets*” in the REMIC Prospectus.

Settlement Date

We expect to issue the certificates on November 30, 2016.

Distribution Dates

We will make payments on the certificates on the 25th day of each calendar month, or on the next business day if the 25th day is not a business day.

Record Date

On each distribution date, we will make each monthly payment on the certificates to holders of record on the last day of the preceding month.

Book-Entry and Physical Certificates

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

Fed Book-Entry

All classes of certificates other than the R and RL Classes

Physical

R and RL Classes

Exchanging Certificates Through Combination and Recombination

If you own certificates of a class designated as “exchangeable” on the cover of this prospectus supplement, you will be able to exchange them for a proportionate interest in the related RCR certificates. Schedule 1 lists the available combinations of the certificates eligible for exchange and the related RCR certificates. You can exchange your certificates by notifying us and paying an exchange fee. We will deliver the RCR certificates upon such exchange.

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

Interest Rates

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

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

<u>Class</u>	<u>Initial Interest Rate</u>	<u>Maximum Interest Rate</u>	<u>Minimum Interest Rate</u>	<u>Formula for Calculation of Interest Rate(1)</u>
FH	1.03817%	6.500%	0.50%	LIBOR + 50 basis points
SH	5.46183%	6.000%	0.00%	6% – LIBOR
CF	1.53817%	4.500%	1.00%	LIBOR + 100 basis points
CS	3.70229%	4.375%	0.00%	4.375% – (1.25 × LIBOR)
FC	0.98817%	6.500%	0.45%	LIBOR + 45 basis points
SC	5.51183%	6.050%	0.00%	6.05% – LIBOR

(1) We will establish LIBOR on the basis of the “ICE Method.”

Notional Classes

The notional principal balances of the notional classes specified below will equal the percentages of the outstanding balances specified below immediately before the related distribution date:

Class

SH	100% of the FH Class
QI	35.7142851945% of the QH Class
SC	100% of the FC Class
HI	20% of the HA Class
CI	16.6666649434% of the CA Class

Distributions of Principal

For a description of the principal payment priorities, see “Description of the Certificates—Distributions of Principal” in this prospectus supplement.

Weighted Average Lives (years)*

<u>Group 1 Classes</u>	<u>PSA Prepayment Assumption</u>							
	<u>0%</u>	<u>100%</u>	<u>150%</u>	<u>180%</u>	<u>275%</u>	<u>500%</u>	<u>800%</u>	<u>1100%</u>
FH and SH	20.2	8.9	7.3	6.5	4.7	2.6	1.5	0.9
HA, HE, HD, HC, HB and HI	15.7	6.2	5.3	5.3	5.3	3.1	1.8	1.1
ZH	27.7	17.6	14.8	12.2	1.5	0.4	0.2	0.1

<u>Group 2 Classes</u>	<u>PSA Prepayment Assumption</u>							
	<u>0%</u>	<u>100%</u>	<u>150%</u>	<u>180%</u>	<u>350%</u>	<u>600%</u>	<u>800%</u>	<u>1100%</u>
QH and QI	12.7	6.2	5.4	5.4	5.4	3.6	2.9	2.2
QB	25.2	25.2	25.2	25.2	25.2	16.2	11.7	7.8
ZQ	26.1	19.3	16.4	15.0	2.4	1.2	1.0	0.7

<u>Group 3 Classes</u>	<u>PSA Prepayment Assumption</u>								
	<u>0%</u>	<u>100%</u>	<u>125%</u>	<u>155%</u>	<u>250%</u>	<u>288%</u>	<u>400%</u>	<u>600%</u>	<u>900%</u>
CA, CE, CD, CB, CG, CJ and CI	17.0	6.9	6.3	6.3	6.3	5.7	4.4	3.2	2.3
CY	26.7	21.0	21.0	21.0	21.0	19.2	14.7	9.9	6.3
CF, CS and TC	28.2	20.8	18.0	12.9	2.7	2.1	1.5	1.0	0.7
ZC	30.0	29.0	28.7	28.1	6.9	4.1	0.2	0.1	0.1
FC and SC	19.9	10.7	9.6	8.5	6.1	5.5	4.2	3.0	2.1

* Determined as specified under "Yield, Maturity and Prepayment Considerations—Weighted Average Lives and Final Distribution Dates" in the REMIC Prospectus.

DESCRIPTION OF THE CERTIFICATES

The material under this heading describes the principal features of the Certificates. You will find additional information about the Certificates in the other sections of this prospectus supplement, as well as in the additional Disclosure Documents and the Trust Agreement. If we use a capitalized term in this prospectus supplement without defining it, you will find the definition of that term in the applicable Disclosure Document or in the Trust Agreement.

General

Structure. We will create the Fannie Mae REMIC Trust specified on the cover of this prospectus supplement (the “Trust”) pursuant to a trust agreement dated as of May 1, 2010 and a supplement thereto dated as of November 1, 2016 (the “Issue Date”). We will issue the Guaranteed REMIC Pass-Through Certificates (the “REMIC Certificates”) pursuant to that trust agreement and supplement. We will issue the Combinable and Recombinable REMIC Certificates (the “RCR Certificates” and, together with the REMIC Certificates, the “Certificates”) pursuant to a separate trust agreement dated as of May 1, 2010 and a supplement thereto dated as of the Issue Date (together with the trust agreement and supplement relating to the REMIC Certificates, the “Trust Agreement”). We will execute the Trust Agreement in our corporate capacity and as trustee (the “Trustee”). In general, the term “Classes” includes the Classes of REMIC Certificates and RCR Certificates.

The assets of the Trust will include three groups of Fannie Mae Guaranteed Mortgage Pass-Through Certificates (the “Group 1 MBS,” “Group 2 MBS” and “Group 3 MBS,” and together, the “MBS”).

Each MBS represents a beneficial ownership interest in a pool of first lien, one- to four-family (“single-family”), fixed-rate residential mortgage loans (the “Mortgage Loans”) having the characteristics described in this prospectus supplement.

The Trust will include the “Lower Tier REMIC” and “Upper Tier REMIC” as “real estate mortgage investment conduits” (each, a “REMIC”) under the Internal Revenue Code of 1986, as amended (the “Code”).

The following chart contains information about the assets, the “regular interests” and the “residual interest” of each REMIC. The REMIC Certificates other than the R and RL Classes are collectively referred to as the “Regular Classes” or “Regular Certificates,” and the R and RL Classes are collectively referred to as the “Residual Classes” or “Residual Certificates.”

<u>REMIC Designation</u>	<u>Assets</u>	<u>Regular Interests</u>	<u>Residual Interest</u>
Lower Tier REMIC	MBS	Interests in the Lower Tier REMIC other than the RL Class (the “Lower Tier Regular Interests”)	RL
Upper Tier REMIC	Lower Tier Regular Interests	All Classes of REMIC Certificates other than the R and RL Classes	R

Fannie Mae Guaranty. For a description of our guaranties of the Certificates and the MBS, see the applicable discussions appearing under the heading “Fannie Mae Guaranty” in the REMIC Prospectus and the MBS Prospectus. Our guaranties are not backed by the full faith and credit of the United States.

Characteristics of Certificates. Except as specified below, we will issue the Certificates in book-entry form on the book-entry system of the U.S. Federal Reserve Banks. Entities whose names appear on the book-entry records of a Federal Reserve Bank as having had Certificates deposited in their accounts are “Holders” or “Certificateholders.”

We will issue the Residual Certificates in fully registered, certificated form. The “Holder” or “Certificateholder” of a Residual Certificate is its registered owner. A Residual Certificate can be transferred at the corporate trust office of the Transfer Agent, or at the office of the Transfer Agent in New York, New York. U.S. Bank National Association in Boston, Massachusetts will be the initial Transfer Agent. We may impose a service charge for any registration of transfer of a Residual Certificate and may require payment to cover any tax or other governmental charge. See also “—Characteristics of the Residual Classes” below.

Authorized Denominations. We will issue the Certificates in the following denominations:

<u>Classes</u>	<u>Denominations</u>
Interest Only and Inverse Floating Rate Classes	\$100,000 minimum plus whole dollar increments
All other Classes (except the R and RL Classes)	\$1,000 minimum plus whole dollar increments

The MBS

The MBS provide that principal and interest on the related Mortgage Loans are passed through monthly. The Mortgage Loans underlying the MBS are conventional, fixed-rate, fully-amortizing mortgage loans secured by first mortgages or deeds of trust on single-family residential properties. These Mortgage Loans have original maturities of up to 30 years.

In addition, the pools of mortgage loans backing the Group 2 MBS have been designated as pools that include “jumbo-conforming” or “high balance” mortgage loans as described further under “The Mortgage Loans—Mortgage Loans with Original Principal Balances Exceeding our Traditional Conforming Loan Limits” in the MBS Prospectus dated June 1, 2016. For periodic updates to that description, please refer to the Pool Prefix Glossary available on our Web site at www.fanniemae.com. For additional information about the particular pools underlying the Group 2 MBS, see the Final Data Statement for the Trust and the related prospectus supplement for each MBS. See also “Risk Factors—Risks Relating to Yield and Prepayment—*“Jumbo-conforming” mortgage loans, which have original principal balances that exceed our traditional conforming loan limits, may prepay at different rates than conforming balance mortgage loans generally*” in the MBS Prospectus dated June 1, 2016.

For additional information, see “Summary—Group 1, Group 2 and Group 3 Characteristics of the MBS” in this prospectus supplement and “The Mortgage Loan Pools” and “Yield, Maturity and Prepayment Considerations” in the MBS Prospectus.

Distributions of Interest

General. The Certificates will bear interest at the rates specified in this prospectus supplement. Interest to be paid on each Certificate (or added to principal, in the case of the Accrual Classes) on a Distribution Date will consist of one month’s interest on the outstanding balance of that Certificate immediately prior to that Distribution Date. For a description of the Accrual Classes, see “—*Accrual Classes*” below.

The Floating Rate and Inverse Floating Rate Classes will bear interest at interest rates based on LIBOR. We currently establish LIBOR on the basis of the “ICE Method” as generally described under “Description of the Certificates—Distributions on Certificates—*Interest Distributions—Indices for Floating Rate Classes and Inverse Floating Rate Classes*” in the REMIC Prospectus. For a description of recent developments affecting LIBOR calculations, see “Risk Factors—Risks Relating to Yield and Prepayment—*Intercontinental Exchange Benchmark Administration is the new LIBOR administrator*” in the REMIC Prospectus.

Delay Classes and No-Delay Classes. The “Delay” Classes and “No-Delay” Classes are set forth in the following table:

<u>Delay Classes</u>	<u>No-Delay Classes</u>
Fixed Rate Classes	Floating Rate and Inverse Floating Rate Classes

See “Description of the Certificates—Distributions on Certificates—*Interest Distributions*” in the REMIC Prospectus.

Accrual Classes. The ZH, ZQ and ZC Classes are Accrual Classes. Interest will accrue on each Accrual Class at the applicable annual rate specified on the cover of this prospectus supplement. However, we will not pay any interest on the Accrual Classes. Instead, interest accrued on each Accrual Class will be added as principal to its principal balance on each Distribution Date. We will pay principal on the Accrual Classes as described under “—Distributions of Principal” below.

Distributions of Principal

On the Distribution Date in each month, we will make payments of principal on the Classes of REMIC Certificates as described below. Following any exchange of REMIC Certificates for RCR Certificates, we will apply principal payments from the exchanged REMIC Certificates to the corresponding RCR Certificates on a pro rata basis.

- *Group 1*

The ZH Accrual Amount to HA to its Planned Balance, and thereafter to ZH. } Accretion Directed/PAC Class and Accrual Class

The Group 1 Cash Flow Distribution Amount as follows:

— 57.1428570039% to FH until retired, and } Pass-Through Class

— 42.8571429961% as follows:

first, to HA to its Planned Balance; } PAC Class

second, to ZH until retired; and } Support Class

third, to HA until retired. } PAC Class

The “ZH Accrual Amount” is any interest then accrued and added to the principal balance of the ZH Class.

The “Group 1 Cash Flow Distribution Amount” is the principal then paid on the Group 1 MBS.

- *Group 2*

The ZQ Accrual Amount to Aggregate Group I to its Planned Balance, and thereafter to ZQ. } Accretion Directed/PAC Group and Accrual Class

The Group 2 Cash Flow Distribution Amount in the following priority:

1. To Aggregate Group I to its Planned Balance. } PAC Group

2. To ZQ until retired. } Support Class

3. To Aggregate Group I to zero. } PAC Group

The “ZQ Accrual Amount” is any interest then accrued and added to the principal balance of the ZQ Class.

The “Group 2 Cash Flow Distribution Amount” is the principal then paid on the Group 2 MBS.

“Aggregate Group I” consists of the QH and QB Classes. On each Distribution Date, we will apply payments of principal of Aggregate Group I to QH and QB, in that order, until retired.

Aggregate Group I has a principal balance equal to the aggregate principal balance of the Classes included in Aggregate Group I.

- *Group 3*

The ZC Accrual Amount to Aggregate Group III to its Targeted Balance, and thereafter to ZC. } Accretion Directed/TAC Group and Accrual Class

The Group 3 Cash Flow Distribution Amount as follows:

– 50.0000009554% as follows:

- first*, to Aggregate Group II to its Planned Balance; } PAC Group
 - second*, to Aggregate Group III to its Targeted Balance; } TAC Group
 - third*, to ZC until retired; } Support Class
 - fourth*, to Aggregate Group III to zero; and } TAC Group
 - fifth*, to Aggregate Group II to zero, and } PAC Group
- 49.9999990446% to FC until retired. } Pass-Through Class

The “ZC Accrual Amount” is any interest then accrued and added to the principal balance of the ZC Class.

The “Group 3 Cash Flow Distribution Amount” is the principal then paid on the Group 3 MBS.

“Aggregate Group II” consists of the CA and CY Classes. On each Distribution Date, we will apply payments of principal of Aggregate Group II to CA and CY, in that order, until retired.

Aggregate Group II has a principal balance equal to the aggregate principal balance of the Classes included in Aggregate Group II.

“Aggregate Group III” consists of the CF and CS Classes. On each Distribution Date, we will apply payments of principal of Aggregate Group III to CF and CS, pro rata, until retired.

Aggregate Group III has a principal balance equal to the aggregate principal balance of the Classes included in Aggregate Group III.

Structuring Assumptions

Pricing Assumptions. Except where otherwise noted, the information in the tables in this prospectus supplement has been prepared based on the following assumptions (the “Pricing Assumptions”):

- the Mortgage Loans underlying the MBS have the original terms to maturity, remaining terms to maturity, loan ages and interest rates specified under “Summary—Group 1, Group 2 and Group 3—Assumed Characteristics of the Underlying Mortgage Loans” in this prospectus supplement;
- the Mortgage Loans prepay at the constant percentages of PSA specified in the related tables;
- the settlement date for the Certificates is November 30, 2016; and
- each Distribution Date occurs on the 25th day of a month.

The actual remaining terms to maturity, loan ages and interest rates of most of the mortgage loans underlying the MBS will differ from the assumed characteristics shown in the Summary, and may differ significantly. See “Risk Factors—Risks Relating to Yield and Prepayment—*Yields on and weighted average lives of the certificates are affected by actual characteristics of the mortgage loans backing the series trust assets*” in the REMIC Prospectus.

Prepayment Assumptions. The prepayment model used in this prospectus supplement is PSA. For a description of PSA, see “Yield, Maturity and Prepayment Considerations—Prepayment Models” in the REMIC Prospectus. It is highly unlikely that prepayments will occur at any *constant* PSA rate or at any other *constant* rate.

Principal Balance Schedules. The Principal Balance Schedules are set forth beginning on page B-1 of this prospectus supplement. The Principal Balance Schedules were prepared based on the Pricing Assumptions and the assumption that the related Mortgage Loans prepay at a *constant* rate within the applicable “Structuring Ranges” or at the applicable “Structuring Speed” specified in the chart below. The “Effective Range” for an Aggregate Group or a Class is the range of prepayment rates (measured by *constant* PSA rates) that would reduce that Aggregate Group or Class to its scheduled balance each month based on the Pricing Assumptions. We have not provided separate schedules for the individual Classes included in the Aggregate Groups. However, those Classes are designed to receive principal distributions in the same fashion as if separate schedules had been provided (with schedules based on the same underlying assumptions that apply to the related Aggregate Group schedule). If such separate schedules had been provided for the individual Classes included in the Aggregate Groups we expect that the effective ranges for those Classes would not be narrower than those shown below for the applicable Aggregate Groups.

<u>Class and Groups</u>	<u>Structuring Ranges and Speed</u>	<u>Initial Effective Ranges</u>
HA Class Planned Balances	Between 150% and 275% PSA	Between 150% and 275% PSA
Aggregate Group I Planned Balances	Between 150% and 350% PSA	Between 150% and 350% PSA
Aggregate Group II Planned Balances	Between 125% and 250% PSA	Between 125% and 250% PSA
Aggregate Group III Targeted Balances	288% PSA	N/A

The Aggregate Groups listed above consist of the following Classes:

Aggregate Group I	QH and QB
Aggregate Group II	CA and CY
Aggregate Group III	CF and CS

See “—Decrement Tables” below for the percentages of original principal balances of the individual Classes included in the Aggregate Groups that would be outstanding at various *constant* PSA rates, including the upper and lower bands of the applicable Structuring Ranges, based on the Pricing Assumptions.

We cannot assure you that the balance of any Aggregate Group or Class will conform on any Distribution Date to the balance specified in the Principal Balance Schedules or that distributions of principal of any Aggregate Group or Class will begin or end on the Distribution Dates specified in the Principal Balance Schedules.

If you are considering the purchase of a PAC or TAC Class, you should first take into account the considerations set forth below.

- We will distribute any excess of principal distributions over the amount necessary to reduce an Aggregate Group or a Class to its scheduled balance in any month. As a result, the likelihood of reducing an Aggregate Group or a Class to its scheduled balance each month will not be improved by the averaging of high and low principal distributions from month to month.

- Even if the related Mortgage Loans prepay at rates falling within the applicable Structuring Range or Effective Range, principal distributions may be insufficient to reduce the applicable Aggregate Groups and the HA Class to their scheduled balances each month if prepayments do not occur at a *constant* PSA rate.
- The actual Effective Ranges at any time will be based upon the actual characteristics of the related Mortgage Loans at that time, which are likely to vary (and may vary considerably) from the Pricing Assumptions. As a result, the actual Effective Ranges will likely differ from the Initial Effective Ranges specified above. For the same reason, the applicable Aggregate Groups and the HA Class might not be reduced to their scheduled balances each month even if the related Mortgage Loans prepay at a *constant* PSA rate within the applicable Initial Effective Ranges. This is so particularly if the rates fall at the lower or higher end of the applicable ranges.
- The actual Effective Ranges may narrow, widen or shift upward or downward to reflect actual prepayment experience over time.
- The principal payment stability of each Aggregate Group or Class having scheduled balances will be supported by one or more other Classes. When the related supporting Class or Classes are retired, the Aggregate Group or Class receiving the benefit of that support, if still outstanding, may no longer have an Effective Range, and will be much more sensitive to prepayments of the related Mortgage Loans.

Yield Tables

General. The tables below illustrate the sensitivity of the pre-tax corporate bond equivalent yields to maturity of the applicable Classes to various constant percentages of PSA and, where specified, to changes in the Index. **The tables below are provided for illustrative purposes only and are not intended as a forecast or prediction of the actual yields on the applicable Classes.** We calculated the yields set forth in the tables by

- determining the monthly discount rates that, when applied to the assumed streams of cash flows to be paid on the applicable Classes, would cause the discounted present values of the assumed streams of cash flows to equal the assumed aggregate purchase prices of those Classes, and
- converting the monthly rates to corporate bond equivalent rates.

These calculations do not take into account variations in the interest rates at which you could reinvest distributions on the Certificates. Accordingly, these calculations do not illustrate the return on any investment in the Certificates when reinvestment rates are taken into account.

We cannot assure you that

- the pre-tax yields on the applicable Certificates will correspond to any of the pre-tax yields shown here, or
- the aggregate purchase prices of the applicable Certificates will be as assumed.

In addition, it is unlikely that the Index will correspond to the levels shown here. Furthermore, because some of the Mortgage Loans are likely to have remaining terms to maturity shorter or longer than those assumed and interest rates higher or lower than those assumed, the principal payments (or notional principal balance reductions) on the Certificates are likely to differ from those assumed. This would be the case even if all Mortgage Loans prepay at the indicated constant percentages of PSA. Moreover, it is unlikely that

- the Mortgage Loans will prepay at a constant PSA rate until maturity,
- all of the Mortgage Loans will prepay at the same rate, or
- the level of the Index will remain constant.

The Inverse Floating Rate Classes. The yields on the Inverse Floating Rate Classes will be sensitive in varying degrees to the rate of principal payments (including prepayments) of the related Mortgage Loans and to the level of the Index. The Mortgage Loans generally can be prepaid at any time without penalty. In addition, the rate of principal payments (including prepayments) of the related Mortgage Loans is likely to vary, and may vary considerably, from pool to pool. As illustrated in the applicable tables below, it is possible that investors in the SH and SC Classes would lose money on their initial investments under certain Index and prepayment scenarios.

Changes in the Index may not correspond to changes in prevailing mortgage interest rates. It is possible that lower prevailing mortgage interest rates, which might be expected to result in faster prepayments, could occur while the level of the Index increased.

The information shown in the following yield tables has been prepared on the basis of the Pricing Assumptions and the assumptions that

- the interest rates for the Inverse Floating Rate Classes for the initial Interest Accrual Period are the rates listed in the table under “Summary—Interest Rates” in this prospectus supplement and for each following Interest Accrual Period will be based on the specified levels of the Index, and
- the aggregate purchase prices of those Classes (expressed in each case as a percentage of original principal balance) are as follows:

<u>Class</u>	<u>Price*</u>
SH	19.6875%
CS	98.7500%
SC	23.0000%

* The prices do not include accrued interest. Accrued interest has been added to the prices in calculating the yields set forth in the tables below.

In the following yield tables, the symbol * is used to represent a yield of less than (99.9)%.

**Sensitivity of the SH Class to Prepayments and LIBOR
(Pre-Tax Yields to Maturity)**

<u>LIBOR</u>	<u>PSA Prepayment Assumption</u>							
	<u>50%</u>	<u>100%</u>	<u>150%</u>	<u>180%</u>	<u>275%</u>	<u>500%</u>	<u>800%</u>	<u>1100%</u>
0.26908%	24.3%	20.8%	17.4%	15.2%	8.4%	(8.8)%	(34.7)%	(65.8)%
0.53817%	22.7%	19.3%	15.9%	13.8%	7.0%	(10.2)%	(35.9)%	(66.8)%
2.53817%	11.2%	7.9%	4.6%	2.6%	(3.9)%	(20.2)%	(44.7)%	(74.4)%
4.53817%	(2.1)%	(5.2)%	(8.3)%	(10.2)%	(16.3)%	(31.7)%	(54.8)%	(83.8)%
6.00000%	*	*	*	*	*	*	*	*

**Sensitivity of the CS Class to Prepayments and LIBOR
(Pre-Tax Yields to Maturity)**

<u>LIBOR</u>	<u>PSA Prepayment Assumption</u>								
	<u>50%</u>	<u>100%</u>	<u>125%</u>	<u>155%</u>	<u>250%</u>	<u>288%</u>	<u>400%</u>	<u>600%</u>	<u>900%</u>
0.26908%	4.2%	4.2%	4.2%	4.2%	4.6%	4.7%	5.0%	5.4%	5.9%
0.53817%	3.8%	3.8%	3.8%	3.9%	4.2%	4.4%	4.6%	5.0%	5.6%
2.53817%	1.3%	1.3%	1.3%	1.3%	1.7%	1.9%	2.2%	2.7%	3.2%
3.50000%	0.1%	0.1%	0.1%	0.1%	0.6%	0.7%	1.0%	1.5%	2.1%

**Sensitivity of the SC Class to Prepayments and LIBOR
(Pre-Tax Yields to Maturity)**

<u>LIBOR</u>	<u>PSA Prepayment Assumption</u>								
	<u>50%</u>	<u>100%</u>	<u>125%</u>	<u>155%</u>	<u>250%</u>	<u>288%</u>	<u>400%</u>	<u>600%</u>	<u>900%</u>
0.26908%	21.4%	18.7%	17.3%	15.6%	10.2%	8.0%	1.5%	(10.7)%	(30.3)%
0.53817%	20.1%	17.3%	16.0%	14.3%	8.9%	6.7%	0.1%	(12.2)%	(31.9)%
2.53817%	10.2%	7.4%	6.0%	4.3%	(1.2)%	(3.5)%	(10.3)%	(23.0)%	(43.7)%
4.53817%	(1.0)%	(3.8)%	(5.2)%	(7.0)%	(12.5)%	(14.8)%	(21.7)%	(34.8)%	(56.8)%
6.05000%	*	*	*	*	*	*	*	*	*

The Fixed Rate Interest Only Classes. The yields to investors in the Fixed Rate Interest Only Classes will be very sensitive to the rate of principal payments (including prepayments) of the related Mortgage Loans. The Mortgage Loans generally can be prepaid at any time without penalty. On the basis of the assumptions described below, the yield to maturity on each Fixed Rate Interest Only Class would be 0% if prepayments of the related Mortgage Loans were to occur at the following constant rates:

<u>Class</u>	<u>% PSA</u>
QI	511%
HI	352%
CI	327%

For any Fixed Rate Interest Only Class, if the actual prepayment rate of the related Mortgage Loans were to exceed the level specified for as little as one month while equaling that level for the remaining months, the investors in the applicable Class would lose money on their initial investments.

The information shown in the following yield tables has been prepared on the basis of the Pricing Assumptions and the assumption that the aggregate purchase prices of the Fixed Rate Interest Only Classes (expressed in each case as a percentage of the original principal balance) are as follows:

<u>Class</u>	<u>Price*</u>
QI	14.09375%
HI	21.51563%
CI	23.06250%

* The prices do not include accrued interest. Accrued interest has been added to the prices in calculating the yields set forth in the tables below.

Sensitivity of the QI Class to Prepayments

	<u>PSA Prepayment Assumption</u>							
	<u>50%</u>	<u>100%</u>	<u>150%</u>	<u>180%</u>	<u>350%</u>	<u>600%</u>	<u>800%</u>	<u>1100%</u>
Pre-Tax Yields to Maturity ...	16.0%	11.3%	7.8%	7.8%	7.8%	(4.9)%	(16.5)%	(35.1)%

Sensitivity of the HI Class to Prepayments

	<u>PSA Prepayment Assumption</u>							
	<u>50%</u>	<u>100%</u>	<u>150%</u>	<u>180%</u>	<u>275%</u>	<u>500%</u>	<u>800%</u>	<u>1100%</u>
Pre-Tax Yields to Maturity ...	13.7%	8.7%	4.8%	4.8%	4.8%	(11.0)%	(36.4)%	(67.3)%

Sensitivity of the CI Class to Prepayments

	PSA Prepayment Assumption								
	50%	100%	125%	155%	250%	288%	400%	600%	900%
Pre-Tax Yields to Maturity . . .	11.9%	6.7%	4.4%	4.4%	4.4%	2.5%	(5.0)%	(20.1)%	(43.8)%

Weighted Average Lives of the Certificates

For a description of how the weighted average life of a Certificate is determined, see “Yield, Maturity and Prepayment Considerations—Weighted Average Lives and Final Distribution Dates” in the REMIC Prospectus.

In general, the weighted average lives of the Certificates will be shortened if the level of prepayments of principal of the related Mortgage Loans increases. However, the weighted average lives will depend upon a variety of other factors, including

- the timing of changes in the rate of principal distributions, and
- the priority sequences of distributions of principal of the Classes.

See “—Distributions of Principal” above.

The effect of these factors may differ as to various Classes and the effects on any Class may vary at different times during the life of that Class. Accordingly, we can give no assurance as to the weighted average life of any Class. Further, to the extent the prices of the Certificates represent discounts or premiums to their original principal balances, variability in the weighted average lives of those Classes of Certificates could result in variability in the related yields to maturity. For an example of how the weighted average lives of the Classes may be affected at various constant prepayment rates, see the Decrement Tables below.

Decrement Tables

The following tables indicate the percentages of original principal balances of the specified Classes that would be outstanding after each date shown at various constant PSA rates, and the corresponding weighted average lives of those Classes. The tables have been prepared on the basis of the Pricing Assumptions.

In the case of the information set forth for each Class under 0% PSA, however, we assumed that the Mortgage Loans have the original and remaining terms to maturity and bear interest at the annual rates specified in the table below.

<u>Mortgage Loans Backing Trust Assets Specified Below</u>	<u>Original and Remaining Terms to Maturity</u>	<u>Interest Rates</u>
Group 1 MBS	360 months	7.50%
Group 2 MBS	360 months	6.00%
Group 3 MBS	360 months	7.00%

It is unlikely that all of the Mortgage Loans will have the loan ages, interest rates or remaining terms to maturity assumed, or that the Mortgage Loans will prepay at any *constant* PSA level.

In addition, the diverse remaining terms to maturity of the Mortgage Loans could produce slower or faster principal distributions than indicated in the tables at the specified constant PSA rates, even if the weighted average remaining term to maturity and the weighted average loan age of the Mortgage Loans are identical to the weighted averages specified in the Pricing Assumptions. This is the case because pools of loans with identical weighted averages are nonetheless likely to reflect differing dispersions of the related characteristics.

Percent of Original Principal Balances Outstanding

Date	FH and SH† Classes							HA, HE, HD, HC, HB and HI† Classes								
	PSA Prepayment Assumption							PSA Prepayment Assumption								
	0%	100%	150%	180%	275%	500%	800%	1100%	0%	100%	150%	180%	275%	500%	800%	1100%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
November 2017	99	92	89	87	82	69	51	33	98	90	86	86	86	82	61	40
November 2018	98	84	79	76	67	47	26	11	96	80	74	74	74	56	31	13
November 2019	97	77	70	66	54	32	13	4	95	71	62	62	62	38	16	4
November 2020	96	71	62	57	44	22	7	1	93	63	52	52	52	26	8	1
November 2021	95	65	55	50	36	15	3	*	90	54	43	43	43	18	4	*
November 2022	93	59	48	43	29	10	2	*	88	47	35	35	35	12	2	*
November 2023	92	53	43	37	23	7	1	*	86	39	28	28	28	8	1	*
November 2024	90	48	37	32	19	5	*	*	83	33	22	22	22	5	1	*
November 2025	89	43	32	27	15	3	*	*	80	26	18	18	18	4	*	*
November 2026	87	39	28	23	12	2	*	*	77	20	14	14	14	2	*	*
November 2027	85	35	24	20	9	1	*	*	74	14	11	11	11	2	*	*
November 2028	83	31	21	16	7	1	*	*	71	9	9	9	9	1	*	*
November 2029	80	27	18	14	6	1	*	*	67	7	7	7	7	1	*	*
November 2030	78	24	15	11	5	*	*	*	63	5	5	5	5	*	*	*
November 2031	75	20	13	9	3	*	*	*	59	4	4	4	4	*	*	*
November 2032	73	17	10	8	3	*	*	*	55	3	3	3	3	*	*	*
November 2033	70	15	8	6	2	*	*	0	50	2	2	2	2	*	*	0
November 2034	66	12	7	5	1	*	*	0	45	2	2	2	2	*	*	0
November 2035	63	10	5	4	1	*	*	0	40	1	1	1	1	*	*	0
November 2036	59	7	4	3	1	*	*	0	35	1	1	1	1	*	*	0
November 2037	55	5	3	2	*	*	*	0	28	1	1	1	1	*	*	0
November 2038	50	3	1	1	*	*	*	0	22	*	*	*	*	*	*	0
November 2039	46	1	1	*	*	*	*	0	15	*	*	*	*	*	*	0
November 2040	40	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0
November 2041	35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2042	29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2043	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2044	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2045	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2046	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)**	20.2	8.9	7.3	6.5	4.7	2.6	1.5	0.9	15.7	6.2	5.3	5.3	5.3	3.1	1.8	1.1

Date	ZH Class							QH and QI† Classes								
	PSA Prepayment Assumption							PSA Prepayment Assumption								
	0%	100%	150%	180%	275%	500%	800%	1100%	0%	100%	150%	180%	350%	600%	800%	1100%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
November 2017	103	103	103	92	59	0	0	0	97	94	93	93	93	93	93	93
November 2018	106	106	106	87	31	0	0	0	95	86	82	82	82	82	69	51
November 2019	109	109	109	85	13	0	0	0	92	75	69	69	69	51	35	17
November 2020	113	113	113	84	3	0	0	0	89	66	56	56	56	32	18	6
November 2021	116	116	116	85	*	0	0	0	85	56	45	45	45	20	9	2
November 2022	120	120	118	85	*	0	0	0	82	48	35	35	35	12	4	*
November 2023	123	123	116	83	*	0	0	0	78	39	27	27	27	8	2	0
November 2024	127	127	112	79	*	0	0	0	75	32	21	21	21	5	1	0
November 2025	131	131	106	73	*	0	0	0	71	24	16	16	16	3	*	0
November 2026	135	135	98	67	*	0	0	0	67	17	12	12	12	2	*	0
November 2027	139	139	90	61	*	0	0	0	62	10	9	9	9	1	0	0
November 2028	143	141	81	54	*	0	0	0	58	7	7	7	7	*	0	0
November 2029	148	129	73	48	*	0	0	0	53	5	5	5	5	*	0	0
November 2030	152	116	64	42	*	0	0	0	48	4	4	4	4	*	0	0
November 2031	157	103	55	35	*	0	0	0	42	3	3	3	3	0	0	0
November 2032	162	90	47	30	*	0	0	0	37	2	2	2	2	0	0	0
November 2033	166	77	39	25	*	0	0	0	31	1	1	1	1	0	0	0
November 2034	171	64	32	20	*	0	0	0	24	1	1	1	1	0	0	0
November 2035	177	52	25	15	*	0	0	0	18	1	1	1	1	0	0	0
November 2036	182	40	19	11	*	0	0	0	11	*	*	*	*	0	0	0
November 2037	188	28	13	8	*	0	0	0	3	*	*	*	*	0	0	0
November 2038	193	17	8	4	*	0	0	0	*	*	*	*	*	0	0	0
November 2039	199	7	3	2	*	0	0	0	0	0	0	0	0	0	0	0
November 2040	205	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2041	211	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2042	175	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2043	136	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2044	94	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2045	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2046	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)**	27.7	17.6	14.8	12.2	1.5	0.4	0.2	0.1	12.7	6.2	5.4	5.4	5.4	3.6	2.9	2.2

* Indicates an outstanding balance greater than 0% and less than 0.5% of the original principal balance.
 ** Determined as specified under “Yield, Maturity and Prepayment Considerations—Weighted Average Lives and Final Distribution Dates” in the REMIC Prospectus.
 † In the case of a Notional Class, the Decrement Table indicates the percentage of the original notional principal balance outstanding.

Date	QB Class								ZQ Class							
	PSA Prepayment Assumption								PSA Prepayment Assumption							
	0%	100%	150%	180%	350%	600%	800%	1100%	0%	100%	150%	180%	350%	600%	800%	1100%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
November 2017	100	100	100	100	100	100	100	100	100	104	104	104	101	87	66	49
November 2018	100	100	100	100	100	100	100	100	100	107	107	107	100	58	0	0
November 2019	100	100	100	100	100	100	100	100	100	111	111	111	98	27	0	0
November 2020	100	100	100	100	100	100	100	100	100	115	115	115	97	10	0	0
November 2021	100	100	100	100	100	100	100	100	100	119	119	119	98	1	0	0
November 2022	100	100	100	100	100	100	100	100	100	123	123	123	100	*	0	0
November 2023	100	100	100	100	100	100	100	100	84	128	128	123	99	*	0	0
November 2024	100	100	100	100	100	100	100	100	28	132	132	120	95	*	0	0
November 2025	100	100	100	100	100	100	100	100	9	137	137	115	90	*	0	0
November 2026	100	100	100	100	100	100	100	100	3	142	142	107	83	*	0	0
November 2027	100	100	100	100	100	100	61	1	147	147	99	76	*	0	0	0
November 2028	100	100	100	100	100	100	30	*	152	140	91	68	*	0	0	0
November 2029	100	100	100	100	100	100	15	*	158	131	82	61	*	0	0	0
November 2030	100	100	100	100	100	100	8	*	163	120	74	54	*	0	0	0
November 2031	100	100	100	100	100	66	4	*	169	110	66	47	*	0	0	0
November 2032	100	100	100	100	100	40	2	*	175	100	58	41	*	0	0	0
November 2033	100	100	100	100	100	24	1	*	181	90	51	35	*	0	0	0
November 2034	100	100	100	100	100	15	*	*	188	80	44	30	*	0	0	0
November 2035	100	100	100	100	100	9	*	*	194	71	38	26	*	0	0	0
November 2036	100	100	100	100	100	5	*	*	201	62	32	21	*	0	0	0
November 2037	100	100	100	100	100	3	*	*	208	54	27	18	*	0	0	0
November 2038	100	100	100	100	100	2	*	*	200	46	23	14	*	0	0	0
November 2039	100	100	100	100	100	1	*	*	180	38	18	12	*	0	0	0
November 2040	69	69	69	69	69	1	*	0	159	32	15	9	*	0	0	0
November 2041	46	46	46	46	46	*	*	0	137	25	11	7	*	0	0	0
November 2042	29	29	29	29	29	*	*	0	113	19	8	5	*	0	0	0
November 2043	17	17	17	17	17	*	*	0	87	13	6	3	*	0	0	0
November 2044	9	9	9	9	9	*	*	0	60	8	3	2	*	0	0	0
November 2045	3	3	3	3	3	*	*	0	31	3	1	1	*	0	0	0
November 2046	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)**	25.2	25.2	25.2	25.2	25.2	16.2	11.7	7.8	26.1	19.3	16.4	15.0	2.4	1.2	1.0	0.7

Date	CA, CE, CD, CB, CG, CJ and CI† Classes									CY Class								
	PSA Prepayment Assumption									PSA Prepayment Assumption								
	0%	100%	125%	155%	250%	288%	400%	600%	900%	0%	100%	125%	155%	250%	288%	400%	600%	900%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
November 2017	99	95	94	94	94	94	94	94	94	100	100	100	100	100	100	100	100	
November 2018	97	87	84	84	84	84	84	75	54	100	100	100	100	100	100	100	100	
November 2019	96	77	73	73	73	73	67	45	21	100	100	100	100	100	100	100	100	
November 2020	94	69	63	63	63	63	48	26	7	100	100	100	100	100	100	100	100	
November 2021	92	60	54	54	54	51	34	15	0	100	100	100	100	100	100	100	100	
November 2022	90	53	46	46	46	40	24	7	0	100	100	100	100	100	100	100	45	
November 2023	88	45	38	38	38	31	17	2	0	100	100	100	100	100	100	100	20	
November 2024	86	39	31	31	31	24	11	0	0	100	100	100	100	100	100	100	89	
November 2025	83	32	24	24	24	18	7	0	0	100	100	100	100	100	100	100	56	
November 2026	81	26	19	19	19	14	3	0	0	100	100	100	100	100	100	100	35	
November 2027	78	21	15	15	15	10	1	0	0	100	100	100	100	100	100	100	21	
November 2028	75	16	11	11	11	7	0	0	0	100	100	100	100	100	100	88	13	
November 2029	72	11	8	8	8	4	0	0	0	100	100	100	100	100	100	64	8	
November 2030	69	6	6	6	6	2	0	0	0	100	100	100	100	100	100	47	5	
November 2031	65	4	4	4	4	1	0	0	0	100	100	100	100	100	100	34	3	
November 2032	61	2	2	2	2	0	0	0	0	100	100	100	100	100	88	25	2	
November 2033	57	*	*	*	*	0	0	0	0	100	100	100	100	100	69	18	1	
November 2034	52	0	0	0	0	0	0	0	0	100	86	86	86	86	54	13	1	
November 2035	47	0	0	0	0	0	0	0	0	100	68	68	68	68	42	9	*	
November 2036	42	0	0	0	0	0	0	0	0	100	53	53	53	53	32	6	*	
November 2037	37	0	0	0	0	0	0	0	0	100	41	41	41	41	24	4	*	
November 2038	31	0	0	0	0	0	0	0	0	100	32	32	32	32	18	3	*	
November 2039	24	0	0	0	0	0	0	0	0	100	24	24	24	24	13	2	*	
November 2040	18	0	0	0	0	0	0	0	0	100	18	18	18	18	9	1	*	
November 2041	10	0	0	0	0	0	0	0	0	100	12	12	12	12	6	1	*	
November 2042	2	0	0	0	0	0	0	0	0	100	8	8	8	8	4	1	*	
November 2043	0	0	0	0	0	0	0	0	0	5	5	5	5	5	3	*	0	
November 2044	0	0	0	0	0	0	0	0	0	3	3	3	3	3	1	*	0	
November 2045	0	0	0	0	0	0	0	0	0	1	1	1	1	1	*	*	0	
November 2046	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Weighted Average Life (years)**	17.0	6.9	6.3	6.3	6.3	5.7	4.4	3.2	2.3	26.7	21.0	21.0	21.0	21.0	19.2	14.7	9.9	

* Indicates an outstanding balance greater than 0% and less than 0.5% of the original principal balance.
 ** Determined as specified under “Yield, Maturity and Prepayment Considerations—Weighted Average Lives and Final Distribution Dates” in the REMIC Prospectus.
 † In the case of a Notional Class, the Decrement Table indicates the percentage of the original notional principal balance outstanding.

Date	CF, CS and TC Classes									ZC Class								
	PSA Prepayment Assumption									PSA Prepayment Assumption								
	0%	100%	125%	155%	250%	288%	400%	600%	900%	0%	100%	125%	155%	250%	288%	400%	600%	900%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
November 2017	100	100	100	97	87	83	73	52	20	103	103	103	103	103	103	0	0	
November 2018	100	100	100	91	63	52	23	0	0	105	105	105	105	105	105	0	0	
November 2019	100	100	100	85	39	21	0	0	0	108	108	108	108	108	108	0	0	
November 2020	100	100	100	80	21	*	0	0	0	111	111	111	111	111	111	0	0	
November 2021	100	100	100	76	9	0	0	0	0	113	113	113	113	113	0	0	0	
November 2022	100	100	100	73	2	0	0	0	0	116	116	116	116	116	0	0	0	
November 2023	100	100	100	71	0	0	0	0	0	119	119	119	119	43	0	0	0	
November 2024	99	99	99	70	0	0	0	0	0	122	122	122	122	0	0	0	0	
November 2025	99	99	98	68	0	0	0	0	0	125	125	125	125	0	0	0	0	
November 2026	99	99	95	65	0	0	0	0	0	128	128	128	128	0	0	0	0	
November 2027	99	99	91	62	0	0	0	0	0	132	132	132	132	0	0	0	0	
November 2028	99	99	86	57	0	0	0	0	0	135	135	135	135	0	0	0	0	
November 2029	99	99	80	53	0	0	0	0	0	138	138	138	138	0	0	0	0	
November 2030	99	99	74	48	0	0	0	0	0	142	142	142	142	0	0	0	0	
November 2031	99	94	68	43	0	0	0	0	0	145	145	145	145	0	0	0	0	
November 2032	99	86	61	38	0	0	0	0	0	149	149	149	149	0	0	0	0	
November 2033	99	78	55	34	0	0	0	0	0	153	153	153	153	0	0	0	0	
November 2034	99	70	49	29	0	0	0	0	0	157	157	157	157	0	0	0	0	
November 2035	99	63	43	25	0	0	0	0	0	161	161	161	161	0	0	0	0	
November 2036	99	55	37	21	0	0	0	0	0	165	165	165	165	0	0	0	0	
November 2037	98	47	31	17	0	0	0	0	0	169	169	169	169	0	0	0	0	
November 2038	98	40	26	14	0	0	0	0	0	173	173	173	173	0	0	0	0	
November 2039	98	33	21	10	0	0	0	0	0	178	178	178	178	0	0	0	0	
November 2040	98	26	16	7	0	0	0	0	0	182	182	182	182	0	0	0	0	
November 2041	98	20	11	5	0	0	0	0	0	187	187	187	187	0	0	0	0	
November 2042	98	14	7	2	0	0	0	0	0	191	191	191	191	0	0	0	0	
November 2043	95	8	3	0	0	0	0	0	0	196	196	196	190	0	0	0	0	
November 2044	64	3	0	0	0	0	0	0	0	201	201	194	105	0	0	0	0	
November 2045	31	0	0	0	0	0	0	0	0	206	89	55	29	0	0	0	0	
November 2046	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Weighted Average																		
Life (years)**	28.2	20.8	18.0	12.9	2.7	2.1	1.5	1.0	0.7	30.0	29.0	28.7	28.1	6.9	4.1	0.2	0.1	

Date	FC and SC† Classes								
	PSA Prepayment Assumption								
	0%	100%	125%	155%	250%	288%	400%	600%	900%
Initial Percent	100	100	100	100	100	100	100	100	100
November 2017	99	96	96	95	93	92	89	85	78
November 2018	98	90	88	87	80	78	71	60	44
November 2019	97	83	80	77	67	63	53	38	20
November 2020	95	77	73	69	56	52	40	24	9
November 2021	94	71	66	61	47	42	30	15	4
November 2022	93	65	60	54	39	34	22	9	2
November 2023	91	60	54	48	32	27	16	6	1
November 2024	89	55	49	42	27	22	12	4	*
November 2025	88	50	44	37	22	18	9	2	*
November 2026	86	46	39	33	18	14	7	1	*
November 2027	84	42	35	29	15	11	5	1	*
November 2028	82	38	31	25	12	9	4	1	*
November 2029	79	34	28	22	10	7	3	*	*
November 2030	77	31	25	19	8	6	2	*	*
November 2031	74	28	22	17	7	5	1	*	*
November 2032	71	25	19	14	5	4	1	*	*
November 2033	68	22	17	12	4	3	1	*	*
November 2034	65	19	15	11	3	2	1	*	*
November 2035	61	17	13	9	3	2	*	*	*
November 2036	57	15	11	7	2	1	*	*	*
November 2037	53	13	9	6	2	1	*	*	*
November 2038	49	11	8	5	1	1	*	*	*
November 2039	44	9	6	4	1	1	*	*	*
November 2040	39	7	5	3	1	*	*	*	0
November 2041	34	6	4	2	1	*	*	*	0
November 2042	28	4	3	2	*	*	*	*	0
November 2043	22	3	2	1	*	*	*	*	0
November 2044	15	2	1	1	*	*	*	*	0
November 2045	8	*	*	*	*	*	*	*	0
November 2046	0	0	0	0	0	0	0	0	0
Weighted Average									
Life (years)**	19.9	10.7	9.6	8.5	6.1	5.5	4.2	3.0	2.1

* Indicates an outstanding balance greater than 0% and less than 0.5% of the original principal balance.
 ** Determined as specified under “Yield, Maturity and Prepayment Considerations—Weighted Average Lives and Final Distribution Dates” in the REMIC Prospectus.
 † In the case of a Notional Class, the Decrement Table indicates the percentage of the original notional principal balance outstanding.

Characteristics of the Residual Classes

A Residual Certificate will be subject to certain transfer restrictions. See “Description of the Certificates—Special Characteristics of the Residual Certificates” and “Material Federal Income Tax Consequences—Taxation of Beneficial Owners of Residual Certificates” in the REMIC Prospectus.

Treasury Department regulations (the “Regulations”) provide that a transfer of a “noneconomic residual interest” will be disregarded for all federal tax purposes unless no significant purpose of the transfer is to impede the assessment or collection of tax. A Residual Certificate will constitute a noneconomic residual interest under the Regulations. Having a significant purpose to impede the assessment or collection of tax means that the transferor of a Residual Certificate had “improper knowledge” at the time of the transfer. See “Description of the Certificates—Special Characteristics of the Residual Certificates” in the REMIC Prospectus. You should consult your own tax advisor regarding the application of the Regulations to a transfer of a Residual Certificate.

CERTAIN ADDITIONAL FEDERAL INCOME TAX CONSEQUENCES

The Certificates and payments on the Certificates are not generally exempt from taxation. Therefore, you should consider the tax consequences of holding a Certificate before you acquire one. The following tax discussion supplements the discussion under the caption “Material Federal Income Tax Consequences” in the REMIC Prospectus. When read together, the two discussions describe the current federal income tax treatment of beneficial owners of Certificates. These two tax discussions do not purport to deal with all federal tax consequences applicable to all categories of beneficial owners, some of which may be subject to special rules. In addition, these discussions may not apply to your particular circumstances for one of the reasons explained in the REMIC Prospectus. You should consult your own tax advisors regarding the federal income tax consequences of holding and disposing of Certificates as well as any tax consequences arising under the laws of any state, local or foreign taxing jurisdiction.

REMIC Elections and Special Tax Attributes

We will make a REMIC election with respect to each REMIC set forth in the table under “Description of the Certificates—General—*Structure*.” The Regular Classes will be designated as “regular interests” and the Residual Classes will be designated as the “residual interests” in the REMICs as set forth in that table. Thus, the REMIC Certificates and any related RCR Certificates generally will be treated as “regular or residual interests in a REMIC” for domestic building and loan associations, as “real estate assets” for real estate investment trusts, and, except for the Residual Classes, as “qualified mortgages” for other REMICs. See “Material Federal Income Tax Consequences—REMIC Election and Special Tax Attributes” in the REMIC Prospectus.

Taxation of Beneficial Owners of Regular Certificates

The Accrual Classes and the Notional Classes will be issued with original issue discount (“OID”), and certain other Classes of REMIC Certificates may be issued with OID. If a Class is issued with OID, a beneficial owner of a Certificate of that Class generally must recognize some taxable income in advance of the receipt of the cash attributable to that income. See “Material Federal Income Tax Consequences—Taxation of Beneficial Owners of Regular Certificates—*Treatment of Original Issue Discount*” in the REMIC Prospectus. In addition, certain Classes of REMIC Certificates may be treated as having been issued at a premium. See “Material Federal Income Tax Consequences—Taxation of Beneficial Owners of Regular Certificates—*Regular Certificates Purchased at a Premium*” in the REMIC Prospectus.

The Prepayment Assumptions that will be used in determining the rate of accrual of OID will be as follows:

<u>Group</u>	<u>Prepayment Assumption</u>
1	180% PSA
2	180% PSA
3	155% PSA

See “Material Federal Income Tax Consequences—Taxation of Beneficial Owners of Regular Certificates—*Treatment of Original Issue Discount*” in the REMIC Prospectus. No representation is made as to whether the Mortgage Loans underlying the MBS will prepay at either of those rates or at any other rate. See “Description of the Certificates—Weighted Average Lives of the Certificates” in this prospectus supplement and “Yield, Maturity and Prepayment Considerations—Weighted Average Lives and Final Distribution Dates” in the REMIC Prospectus.

Taxation of Beneficial Owners of Residual Certificates

The Holder of a Residual Certificate will be considered to be the holder of the “residual interest” in the related REMIC. Such Holder generally will be required to report its daily portion of the taxable income or net loss of the REMIC to which that Certificate relates. In certain periods, a Holder of a Residual Certificate may be required to recognize taxable income without being entitled to receive a corresponding amount of cash. Pursuant to the Trust Agreement, we will be obligated to provide to the Holder of a Residual Certificate (i) information necessary to enable it to prepare its federal income tax returns and (ii) any reports regarding the Residual Class that may be required under the Code. See “Material Federal Income Tax Consequences—Taxation of Beneficial Owners of Residual Certificates” in the REMIC Prospectus.

Taxation of Beneficial Owners of RCR Certificates

The RCR Classes will be created, sold and administered pursuant to an arrangement that will be classified as a grantor trust under subpart E, part I of subchapter J of the Code. The Regular Certificates that are exchanged for RCR Certificates set forth in Schedule 1 (including any exchanges effective on the Settlement Date) will be the assets of the trust, and the RCR Certificates will represent an ownership interest of the underlying Regular Certificates. For a general discussion of the federal income tax treatment of beneficial owners of Regular Certificates, see “Material Federal Income Tax Consequences” in the REMIC Prospectus.

Generally, the ownership interest represented by an RCR certificate will be one of two types. A certificate of a Combination RCR Class (a “Combination RCR Certificate”) will represent beneficial ownership of undivided interests in one or more underlying Regular Certificates. A certificate of a Strip RCR Class (a “Strip RCR Certificate”) will represent the right to receive a disproportionate part of the principal or interest payments on one or more underlying Regular Certificates. The TC Class is a Class of Combination RCR Certificates. The remaining RCR Classes are Classes of Strip RCR Certificates. See “Material Federal Income Tax Consequences—Taxation of Beneficial Owners of RCR Certificates” in the REMIC Prospectus for a general discussion of the federal income tax treatment of beneficial owners of RCR Certificates.

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 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 Owners to a greater degree than would actions of the tax matters partner ("TMP") under current rules. See "*Material Federal Income Tax Consequences—Reporting and Other Administrative Matters*" in the REMIC Prospectus 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 Residual Owners in the year in which the adjustment is made rather than in the year to which the adjustment relates, and otherwise 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 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, which will apply to both existing and future REMICs, are complex and likely will be clarified and possibly revised before going into effect. Residual Owners should discuss with their own tax advisors the possible effect of the new rules on them.

Foreign Investors

In IRS Notice 2015-66, the IRS announced on September 18, 2015 its intention to push back the start date of FATCA withholding on gross proceeds from the sale or other disposition of any property of a type that can produce interest from U.S. sources. Under this published guidance, a 30-percent United States withholding tax ("FATCA withholding") will apply to gross proceeds from the sale or other disposition of a Regular Certificate beginning on January 1, 2019 that are paid to a non-U.S. entity that is a "financial institution" and fails to comply with certain reporting and other requirements or to a non-U.S. entity that is not a "financial institution" but fails to disclose the identity of its direct or indirect "substantial U.S. owners" or to certify that it has no such owners. FATCA withholding currently applies to payments treated as interest on a Regular Certificate paid to such persons. Various exceptions may apply. You should consult your own tax advisor regarding the potential application and impact of this withholding tax based on your particular circumstances. See "*Material Federal Income Tax Consequences—Foreign Investors*" in the REMIC Prospectus.

PLAN OF DISTRIBUTION

We are obligated to deliver the Certificates to Morgan Stanley & Co. LLC (the "Dealer") in exchange for the MBS. The Dealer proposes to offer the Certificates directly to the public from time to time in negotiated transactions at varying prices to be determined at the time of sale. The Dealer may effect these transactions to or through other dealers.

CREDIT RISK RETENTION

The Certificates satisfy the requirements of the Credit Risk Retention Rule (12 C.F.R. Part 1234) jointly promulgated by the Federal Housing Finance Agency ("FHFA"), the SEC and several other federal agencies. In accordance with 12 C.F.R. 1234.8(a), (i) the Certificates are fully guaranteed as to timely payment of principal and interest by Fannie Mae and (ii) Fannie Mae is operating under the conservatorship of FHFA with capital support from the United States.

LEGAL MATTERS

Katten Muchin Rosenman LLP will provide legal representation for Fannie Mae. Cleary Gottlieb Steen & Hamilton LLP will provide legal representation for the Dealer.

Schedule 1

Available Recombinations(1)

<u>REMIC Certificates</u>		<u>RCR Certificates</u>						
<u>Classes</u>	<u>Original Balances</u>	<u>RCR Classes</u>	<u>Original Balances</u>	<u>Principal Type(2)</u>	<u>Interest Rate</u>	<u>Interest Type(2)</u>	<u>CUSIP Number</u>	<u>Final Distribution Date</u>
Recombination 1								
HA	\$36,784,000	HE	\$36,784,000	PAC/AD	2.00%	FIX	3136AUPD7	December 2046
		HI	7,356,800(3)	NTL	5.00	FIX/IO	3136AUPH8	December 2046
Recombination 2								
HA	36,784,000	HD	36,784,000	PAC/AD	2.25	FIX	3136AUPE5	December 2046
		HI	5,517,600(3)	NTL	5.00	FIX/IO	3136AUPH8	December 2046
Recombination 3								
HA	36,784,000	HC	36,784,000	PAC/AD	2.50	FIX	3136AUPF2	December 2046
		HI	3,678,400(3)	NTL	5.00	FIX/IO	3136AUPH8	December 2046
Recombination 4								
HA	36,784,000	HB	36,784,000	PAC/AD	2.75	FIX	3136AUPG0	December 2046
		HI	1,839,200(3)	NTL	5.00	FIX/IO	3136AUPH8	December 2046
Recombination 5								
CA	19,343,000	CE	19,343,000	PAC	1.75	FIX	3136AUPK1	April 2046
		CI	3,223,833(3)	NTL	4.50	FIX/IO	3136AUPQ8	April 2046
Recombination 6								
CA	19,343,000	CD	19,343,000	PAC	2.00	FIX	3136AUPL9	April 2046
		CI	2,149,222(3)	NTL	4.50	FIX/IO	3136AUPQ8	April 2046
Recombination 7								
CA	19,343,000	CB	19,343,000	PAC	2.25	FIX	3136AUPM7	April 2046
		CI	1,074,611(3)	NTL	4.50	FIX/IO	3136AUPQ8	April 2046
Recombination 8								
CA	19,343,000	CG	11,605,800	PAC	3.00	FIX	3136AUPN5	April 2046
		CE	7,737,200	PAC	1.75	FIX	3136AUPK1	April 2046
Recombination 9								
CA	19,343,000	CJ	8,289,857	PAC	3.50	FIX	3136AUPP0	April 2046
		CE	11,053,143	PAC	1.75	FIX	3136AUPK1	April 2046

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<u>REMIC Certificates</u>		<u>RCR Certificates</u>						<u>Final</u>
<u>Classes</u>	<u>Original Balances</u>	<u>RCR Classes</u>	<u>Original Balances</u>	<u>Principal Type(2)</u>	<u>Interest Rate</u>	<u>Interest Type(2)</u>	<u>CUSIP Number</u>	<u>Distribution Date</u>
Recombination 10								
CF	\$ 3,133,333	TC	\$ 5,640,000	TAC/AD	2.50%	FIX	3136AUPJ4	December 2046
CS	2,506,667							

- (1) REMIC Certificates and RCR Certificates in each Recombination may be exchanged only in the proportions of *original* principal or notional principal balances for the related Classes shown in this Schedule 1 (disregarding any retired Classes). For example, if a particular Recombination includes two REMIC Classes and one RCR Class whose *original* principal balances shown in the schedule reflect a 1:1:2 relationship, the same 1:1:2 relationship among the *original* principal balances of those REMIC and RCR Classes must be maintained in any exchange. This is true even if, as a result of the applicable payment priority sequence, the relationship between their *current* principal balances has changed over time. Moreover, if as a result of a proposed exchange, a Certificateholder would hold a REMIC Certificate or RCR Certificate of a Class in an amount less than the applicable minimum denomination for that Class, the Certificateholder will be unable to effect the proposed exchange. See “Description of the Certificates—General— *Authorized Denominations*” in this prospectus supplement.
- (2) See “Description of the Certificates—Class Definitions and Abbreviations” in the REMIC Prospectus.
- (3) Notional principal balances. These Classes are Interest Only Classes. See page S-5 for a description of how their notional principal balances are calculated.

Principal Balance Schedules

HA Class Planned Balances

<u>Distribution Date</u>	<u>Planned Balance</u>	<u>Distribution Date</u>	<u>Planned Balance</u>	<u>Distribution Date</u>	<u>Planned Balance</u>
Initial Balance	\$36,784,000.00	July 2021	\$16,859,700.70	March 2026	\$ 6,117,095.13
December 2016	36,344,656.06	August 2021	16,578,079.12	April 2026	6,002,605.01
January 2017	35,908,818.36	September 2021	16,298,657.13	May 2026	5,890,065.91
February 2017	35,476,458.12	October 2021	16,021,416.26	June 2026	5,779,446.17
March 2017	35,047,546.80	November 2021	15,746,338.18	July 2026	5,670,714.63
April 2017	34,622,056.07	December 2021	15,473,404.72	August 2026	5,563,840.66
May 2017	34,199,957.85	January 2022	15,202,850.09	September 2026	5,458,794.07
June 2017	33,781,224.24	February 2022	14,936,747.04	October 2026	5,355,545.16
July 2017	33,365,827.61	March 2022	14,675,024.82	November 2026	5,254,064.70
August 2017	32,953,740.50	April 2022	14,417,613.77	December 2026	5,154,323.93
September 2017	32,544,935.69	May 2022	14,164,445.34	January 2027	5,056,294.53
October 2017	32,139,386.19	June 2022	13,915,452.00	February 2027	4,959,948.64
November 2017	31,737,065.19	July 2022	13,670,567.33	March 2027	4,865,258.82
December 2017	31,337,946.12	August 2022	13,429,725.90	April 2027	4,772,198.09
January 2018	30,942,002.59	September 2022	13,192,863.32	May 2027	4,680,739.87
February 2018	30,549,208.46	October 2022	12,959,916.20	June 2027	4,590,858.03
March 2018	30,159,537.74	November 2022	12,730,822.12	July 2027	4,502,526.82
April 2018	29,772,964.70	December 2022	12,505,519.67	August 2027	4,415,720.92
May 2018	29,389,463.78	January 2023	12,283,948.37	September 2027	4,330,415.41
June 2018	29,009,009.64	February 2023	12,066,048.68	October 2027	4,246,585.75
July 2018	28,631,577.11	March 2023	11,851,762.00	November 2027	4,164,207.80
August 2018	28,257,141.26	April 2023	11,641,030.65	December 2027	4,083,257.80
September 2018	27,885,677.33	May 2023	11,433,797.84	January 2028	4,003,712.36
October 2018	27,517,160.76	June 2023	11,230,007.66	February 2028	3,925,548.48
November 2018	27,151,567.18	July 2023	11,029,605.09	March 2028	3,848,743.51
December 2018	26,788,872.42	August 2023	10,832,535.96	April 2028	3,773,275.15
January 2019	26,429,052.50	September 2023	10,638,746.94	May 2028	3,699,121.47
February 2019	26,072,083.63	October 2023	10,448,185.54	June 2028	3,626,260.88
March 2019	25,717,942.20	November 2023	10,260,800.10	July 2028	3,554,672.14
April 2019	25,366,604.79	December 2023	10,076,539.75	August 2028	3,484,334.34
May 2019	25,018,048.16	January 2024	9,895,354.42	September 2028	3,415,226.90
June 2019	24,672,249.27	February 2024	9,717,194.83	October 2028	3,347,329.58
July 2019	24,329,185.24	March 2024	9,542,012.47	November 2028	3,280,622.45
August 2019	23,988,833.39	April 2024	9,369,759.57	December 2028	3,215,085.90
September 2019	23,651,171.20	May 2024	9,200,389.14	January 2029	3,150,700.63
October 2019	23,316,176.35	June 2024	9,033,854.90	February 2029	3,087,447.65
November 2019	22,983,826.67	July 2024	8,870,111.31	March 2029	3,025,308.28
December 2019	22,654,100.19	August 2024	8,709,113.53	April 2029	2,964,264.12
January 2020	22,326,975.09	September 2024	8,550,817.42	May 2029	2,904,297.07
February 2020	22,002,429.74	October 2024	8,395,179.56	June 2029	2,845,389.33
March 2020	21,680,442.67	November 2024	8,242,157.18	July 2029	2,787,523.37
April 2020	21,360,992.59	December 2024	8,091,708.19	August 2029	2,730,681.94
May 2020	21,044,058.37	January 2025	7,943,791.16	September 2029	2,674,848.07
June 2020	20,729,619.04	February 2025	7,798,365.32	October 2029	2,620,005.06
July 2020	20,417,653.81	March 2025	7,655,390.52	November 2029	2,566,136.49
August 2020	20,108,142.04	April 2025	7,514,827.26	December 2029	2,513,226.17
September 2020	19,801,063.27	May 2025	7,376,636.64	January 2030	2,461,258.19
October 2020	19,496,397.19	June 2025	7,240,780.39	February 2030	2,410,216.90
November 2020	19,194,123.65	July 2025	7,107,220.84	March 2030	2,360,086.89
December 2020	18,894,222.65	August 2025	6,975,920.89	April 2030	2,310,852.99
January 2021	18,596,674.37	September 2025	6,846,844.04	May 2030	2,262,500.29
February 2021	18,301,459.13	October 2025	6,719,954.36	June 2030	2,215,014.10
March 2021	18,008,557.42	November 2025	6,595,216.49	July 2030	2,168,379.99
April 2021	17,717,949.85	December 2025	6,472,595.63	August 2030	2,122,583.73
May 2021	17,429,617.23	January 2026	6,352,057.51	September 2030	2,077,611.34
June 2021	17,143,540.48	February 2026	6,233,568.40	October 2030	2,033,449.06

HA Class (Continued)

<u>Distribution Date</u>	<u>Planned Balance</u>	<u>Distribution Date</u>	<u>Planned Balance</u>	<u>Distribution Date</u>	<u>Planned Balance</u>
November 2030	\$ 1,990,083.34	February 2034	\$ 797,469.22	May 2037	\$ 238,104.44
December 2030	1,947,500.87	March 2034	777,016.26	June 2037	228,874.60
January 2031	1,905,688.53	April 2034	756,957.91	July 2037	219,841.85
February 2031	1,864,633.43	May 2034	737,287.37	August 2037	211,002.61
March 2031	1,824,322.86	June 2034	717,997.91	September 2037	202,353.39
April 2031	1,784,744.35	July 2034	699,082.94	October 2037	193,890.74
May 2031	1,745,885.59	August 2034	680,535.97	November 2037	185,611.28
June 2031	1,707,734.51	September 2034	662,350.59	December 2037	177,511.69
July 2031	1,670,279.21	October 2034	644,520.54	January 2038	169,588.68
August 2031	1,633,507.98	November 2034	627,039.64	February 2038	161,839.04
September 2031	1,597,409.31	December 2034	609,901.79	March 2038	154,259.60
October 2031	1,561,971.87	January 2035	593,101.03	April 2038	146,847.26
November 2031	1,527,184.50	February 2035	576,631.47	May 2038	139,598.96
December 2031	1,493,036.24	March 2035	560,487.34	June 2038	132,511.69
January 2032	1,459,516.30	April 2035	544,662.93	July 2038	125,582.50
February 2032	1,426,614.07	May 2035	529,152.67	August 2038	118,808.48
March 2032	1,394,319.09	June 2035	513,951.03	September 2038	112,186.76
April 2032	1,362,621.10	July 2035	499,052.62	October 2038	105,714.56
May 2032	1,331,509.97	August 2035	484,452.10	November 2038	99,389.09
June 2032	1,300,975.76	September 2035	470,144.25	December 2038	93,207.66
July 2032	1,271,008.69	October 2035	456,123.91	January 2039	87,167.58
August 2032	1,241,599.12	November 2035	442,386.02	February 2039	81,266.24
September 2032	1,212,737.59	December 2035	428,925.60	March 2039	75,501.07
October 2032	1,184,414.78	January 2036	415,737.75	April 2039	69,869.51
November 2032	1,156,621.51	February 2036	402,817.65	May 2039	64,369.09
December 2032	1,129,348.77	March 2036	390,160.57	June 2039	58,997.35
January 2033	1,102,587.68	April 2036	377,761.85	July 2039	53,751.89
February 2033	1,076,329.52	May 2036	365,616.91	August 2039	48,630.34
March 2033	1,050,565.70	June 2036	353,721.23	September 2039	43,630.37
April 2033	1,025,287.77	July 2036	342,070.39	October 2039	38,749.69
May 2033	1,000,487.41	August 2036	330,660.04	November 2039	33,986.07
June 2033	976,156.46	September 2036	319,485.88	December 2039	29,337.28
July 2033	952,286.87	October 2036	308,543.70	January 2040	24,801.17
August 2033	928,870.73	November 2036	297,829.36	February 2040	20,375.59
September 2033	905,900.26	December 2036	287,338.78	March 2040	16,058.44
October 2033	883,367.79	January 2037	277,067.97	April 2040	11,847.68
November 2033	861,265.81	February 2037	267,012.97	May 2040	7,741.26
December 2033	839,586.89	March 2037	257,169.91	June 2040	3,737.20
January 2034	818,323.75	April 2037	247,534.98	July 2040 and thereafter	0.00

Aggregate Group I Planned Balances

<u>Distribution Date</u>	<u>Planned Balance</u>	<u>Distribution Date</u>	<u>Planned Balance</u>	<u>Distribution Date</u>	<u>Planned Balance</u>
Initial Balance	\$165,309,000.00	December 2017	\$152,661,154.37	January 2019	\$131,874,645.98
December 2016	164,655,200.06	January 2018	151,330,788.43	February 2019	129,991,358.05
January 2017	163,946,867.17	February 2018	149,952,493.89	March 2019	128,122,429.48
February 2017	163,184,265.60	March 2018	148,527,048.94	April 2019	126,267,737.70
March 2017	162,367,701.41	April 2018	147,055,267.16	May 2019	124,427,161.13
April 2017	161,497,522.21	May 2018	145,537,996.60	June 2019	122,600,579.12
May 2017	160,574,116.98	June 2018	143,976,118.95	July 2019	120,787,871.99
June 2017	159,597,915.76	July 2018	142,370,548.57	August 2019	118,988,921.01
July 2017	158,569,389.35	August 2018	140,722,231.54	September 2019	117,203,608.38
August 2017	157,489,048.86	September 2018	139,032,144.60	October 2019	115,431,817.24
September 2017	156,357,445.32	October 2018	137,301,294.12	November 2019	113,673,431.63
October 2017	155,175,169.16	November 2018	135,530,714.98	December 2019	111,928,336.53
November 2017	153,942,849.66	December 2018	133,721,469.45	January 2020	110,196,417.82

Aggregate Group I (Continued)

<u>Distribution Date</u>	<u>Planned Balance</u>	<u>Distribution Date</u>	<u>Planned Balance</u>	<u>Distribution Date</u>	<u>Planned Balance</u>
February 2020	\$108,477,562.29	January 2025	\$ 33,184,335.24	December 2029	\$ 8,802,943.23
March 2020	106,771,657.61	February 2025	32,462,015.98	January 2030	8,601,990.44
April 2020	105,078,592.34	March 2025	31,754,973.94	February 2030	8,405,421.05
May 2020	103,398,255.93	April 2025	31,062,892.37	March 2030	8,213,142.22
June 2020	101,730,538.70	May 2025	30,385,460.97	April 2030	8,025,063.03
July 2020	100,075,331.82	June 2025	29,722,375.81	May 2030	7,841,094.45
August 2020	98,432,527.34	July 2025	29,073,339.14	June 2030	7,661,149.31
September 2020	96,802,018.15	August 2025	28,438,059.34	July 2030	7,485,142.24
October 2020	95,183,697.99	September 2025	27,816,250.73	August 2030	7,312,989.64
November 2020	93,577,461.44	October 2025	27,207,633.47	September 2030	7,144,609.65
December 2020	91,983,203.91	November 2025	26,611,933.47	October 2030	6,979,922.11
January 2021	90,400,821.64	December 2025	26,028,882.24	November 2030	6,818,848.55
February 2021	88,830,211.67	January 2026	25,458,216.79	December 2030	6,661,312.11
March 2021	87,271,271.88	February 2026	24,899,679.50	January 2031	6,507,237.53
April 2021	85,723,900.94	March 2026	24,353,018.06	February 2031	6,356,551.13
May 2021	84,187,998.31	April 2026	23,817,985.31	March 2031	6,209,180.74
June 2021	82,663,464.27	May 2026	23,294,339.14	April 2031	6,065,055.73
July 2021	81,150,199.85	June 2026	22,781,842.45	May 2031	5,924,106.91
August 2021	79,648,106.90	July 2026	22,280,262.94	June 2031	5,786,266.55
September 2021	78,157,088.01	August 2026	21,789,373.13	July 2031	5,651,468.33
October 2021	76,677,046.56	September 2026	21,308,950.18	August 2031	5,519,647.30
November 2021	75,207,886.69	October 2026	20,838,775.82	September 2031	5,390,739.89
December 2021	73,749,513.28	November 2026	20,378,636.28	October 2031	5,264,683.83
January 2022	72,301,831.97	December 2026	19,928,322.15	November 2031	5,141,418.18
February 2022	70,864,749.14	January 2027	19,487,628.34	December 2031	5,020,883.25
March 2022	69,438,171.92	February 2027	19,056,353.97	January 2032	4,903,020.60
April 2022	68,022,008.16	March 2027	18,634,302.28	February 2032	4,787,773.02
May 2022	66,616,166.42	April 2027	18,221,280.57	March 2032	4,675,084.49
June 2022	65,220,556.02	May 2027	17,817,100.08	April 2032	4,564,900.17
July 2022	63,835,086.96	June 2027	17,421,575.95	May 2032	4,457,166.36
August 2022	62,468,858.75	July 2027	17,034,527.09	June 2032	4,351,830.48
September 2022	61,131,194.71	August 2027	16,655,776.19	July 2032	4,248,841.07
October 2022	59,821,507.48	September 2027	16,285,149.52	August 2032	4,148,147.72
November 2022	58,539,221.59	October 2027	15,922,476.99	September 2032	4,049,701.11
December 2022	57,283,773.28	November 2027	15,567,591.97	October 2032	3,953,452.93
January 2023	56,054,610.27	December 2027	15,220,331.28	November 2032	3,859,355.88
February 2023	54,851,191.46	January 2028	14,880,535.09	December 2032	3,767,363.67
March 2023	53,672,986.79	February 2028	14,548,046.86	January 2033	3,677,430.97
April 2023	52,519,476.96	March 2028	14,222,713.30	February 2033	3,589,513.41
May 2023	51,390,153.23	April 2028	13,904,384.26	March 2033	3,503,567.54
June 2023	50,284,517.23	May 2028	13,592,912.69	April 2033	3,419,550.84
July 2023	49,202,080.70	June 2028	13,288,154.57	May 2033	3,337,421.66
August 2023	48,142,365.34	July 2028	12,989,968.85	June 2033	3,257,139.25
September 2023	47,104,902.58	August 2028	12,698,217.40	July 2033	3,178,663.71
October 2023	46,089,233.38	September 2028	12,412,764.93	August 2033	3,101,955.96
November 2023	45,094,908.06	October 2028	12,133,478.96	September 2033	3,026,977.78
December 2023	44,121,486.08	November 2028	11,860,229.73	October 2033	2,953,691.72
January 2024	43,168,535.90	December 2028	11,592,890.16	November 2033	2,882,061.14
February 2024	42,235,634.76	January 2029	11,331,335.81	December 2033	2,812,050.17
March 2024	41,322,368.50	February 2029	11,075,444.80	January 2034	2,743,623.68
April 2024	40,428,331.43	March 2029	10,825,097.78	February 2034	2,676,747.29
May 2024	39,553,126.12	April 2029	10,580,177.86	March 2034	2,611,387.37
June 2024	38,696,363.23	May 2029	10,340,570.57	April 2034	2,547,510.96
July 2024	37,857,661.38	June 2029	10,106,163.81	May 2034	2,485,085.82
August 2024	37,036,646.97	July 2029	9,876,847.80	June 2034	2,424,080.39
September 2024	36,232,954.00	August 2029	9,652,515.03	July 2034	2,364,463.77
October 2024	35,446,223.97	September 2029	9,433,060.22	August 2034	2,306,205.72
November 2024	34,676,105.68	October 2029	9,218,380.28	September 2034	2,249,276.63
December 2024	33,922,255.10	November 2029	9,008,374.24	October 2034	2,193,647.53

Aggregate Group I (Continued)

<u>Distribution Date</u>	<u>Planned Balance</u>	<u>Distribution Date</u>	<u>Planned Balance</u>	<u>Distribution Date</u>	<u>Planned Balance</u>
November 2034	\$ 2,139,290.05	November 2038	\$ 594,550.50	November 2042	\$ 121,210.02
December 2034	2,086,176.43	December 2038	577,670.50	December 2042	116,393.40
January 2035	2,034,279.50	January 2039	561,203.60	January 2043	111,709.60
February 2035	1,983,572.66	February 2039	545,140.39	February 2043	107,155.41
March 2035	1,934,029.87	March 2039	529,471.69	March 2043	102,727.69
April 2035	1,885,625.66	April 2039	514,188.53	April 2043	98,423.38
May 2035	1,838,335.08	May 2039	499,282.10	May 2043	94,239.48
June 2035	1,792,133.72	June 2039	484,743.82	June 2043	90,173.06
July 2035	1,746,997.70	July 2039	470,565.27	July 2043	86,221.27
August 2035	1,702,903.62	August 2039	456,738.23	August 2043	82,381.31
September 2035	1,659,828.60	September 2039	443,254.64	September 2043	78,650.43
October 2035	1,617,750.25	October 2039	430,106.65	October 2043	75,025.98
November 2035	1,576,646.63	November 2039	417,286.55	November 2043	71,505.34
December 2035	1,536,496.30	December 2039	404,786.81	December 2043	68,085.95
January 2036	1,497,278.25	January 2040	392,600.06	January 2044	64,765.34
February 2036	1,458,971.93	February 2040	380,719.10	February 2044	61,541.05
March 2036	1,421,557.24	March 2040	369,136.89	March 2044	58,410.71
April 2036	1,385,014.48	April 2040	357,846.54	April 2044	55,371.99
May 2036	1,349,324.40	May 2040	346,841.30	May 2044	52,422.62
June 2036	1,314,468.14	June 2040	336,114.58	June 2044	49,560.38
July 2036	1,280,427.26	July 2040	325,659.93	July 2044	46,783.10
August 2036	1,247,183.69	August 2040	315,471.05	August 2044	44,088.66
September 2036	1,214,719.78	September 2040	305,541.78	September 2044	41,474.98
October 2036	1,183,018.23	October 2040	295,866.08	October 2044	38,940.05
November 2036	1,152,062.12	November 2040	286,438.06	November 2044	36,481.88
December 2036	1,121,834.90	December 2040	277,251.94	December 2044	34,098.55
January 2037	1,092,320.37	January 2041	268,302.09	January 2045	31,788.16
February 2037	1,063,502.66	February 2041	259,582.99	February 2045	29,548.87
March 2037	1,035,366.26	March 2041	251,089.25	March 2045	27,378.89
April 2037	1,007,896.00	April 2041	242,815.60	April 2045	25,276.45
May 2037	981,077.02	May 2041	234,756.87	May 2045	23,239.83
June 2037	954,894.77	June 2041	226,908.03	June 2045	21,267.36
July 2037	929,335.05	July 2041	219,264.14	July 2045	19,357.40
August 2037	904,383.92	August 2041	211,820.38	August 2045	17,508.34
September 2037	880,027.78	September 2041	204,572.04	September 2045	15,718.62
October 2037	856,253.30	October 2041	197,514.50	October 2045	13,986.72
November 2037	833,047.44	November 2041	190,643.27	November 2045	12,311.14
December 2037	810,397.44	December 2041	183,953.93	December 2045	10,690.42
January 2038	788,290.83	January 2042	177,442.17	January 2046	9,123.14
February 2038	766,715.38	February 2042	171,103.78	February 2046	7,607.92
March 2038	745,659.17	March 2042	164,934.65	March 2046	6,143.39
April 2038	725,110.48	April 2042	158,930.75	April 2046	4,728.23
May 2038	705,057.90	May 2042	153,088.14	May 2046	3,361.14
June 2038	685,490.22	June 2042	147,402.97	June 2046	2,040.87
July 2038	666,396.50	July 2042	141,871.49	July 2046	766.18
August 2038	647,766.04	August 2042	136,490.00	August 2046 and thereafter	0.00
September 2038	629,588.34	September 2042	131,254.93		
October 2038	611,853.17	October 2042	126,162.75		

Aggregate Group II Planned Balances

<u>Distribution Date</u>	<u>Planned Balance</u>	<u>Distribution Date</u>	<u>Planned Balance</u>	<u>Distribution Date</u>	<u>Planned Balance</u>
Initial Balance	\$20,400,000.00	April 2017	\$20,014,363.77	September 2017	\$19,494,232.35
December 2016	20,334,054.58	May 2017	19,920,898.88	October 2017	19,374,633.80
January 2017	20,262,334.00	June 2017	19,822,102.71	November 2017	19,249,982.13
February 2017	20,185,121.50	July 2017	19,718,024.14	December 2017	19,120,342.84
March 2017	20,102,451.95	August 2017	19,608,715.46	January 2018	18,985,784.66

Aggregate Group II (Continued)

<u>Distribution Date</u>	<u>Planned Balance</u>	<u>Distribution Date</u>	<u>Planned Balance</u>	<u>Distribution Date</u>	<u>Planned Balance</u>
February 2018	\$18,846,379.40	January 2023	\$ 9,622,810.16	December 2027	\$ 3,857,536.07
March 2018	18,702,201.96	February 2023	9,493,615.80	January 2028	3,794,924.01
April 2018	18,553,330.19	March 2023	9,365,329.75	February 2028	3,733,255.32
May 2018	18,399,844.92	April 2023	9,237,945.95	March 2028	3,672,516.35
June 2018	18,241,829.78	May 2023	9,111,458.38	April 2028	3,612,693.66
July 2018	18,079,371.20	June 2023	8,985,861.06	May 2028	3,553,773.97
August 2018	17,912,558.30	July 2023	8,861,148.06	June 2028	3,495,744.23
September 2018	17,741,482.82	August 2023	8,737,313.48	July 2028	3,438,591.54
October 2018	17,566,239.04	September 2023	8,614,351.46	August 2028	3,382,303.18
November 2018	17,386,923.66	October 2023	8,492,256.17	September 2028	3,326,866.64
December 2018	17,203,635.75	November 2023	8,371,021.83	October 2028	3,272,269.57
January 2019	17,021,615.71	December 2023	8,250,642.70	November 2028	3,218,499.77
February 2019	16,840,855.12	January 2024	8,131,113.07	December 2028	3,165,545.26
March 2019	16,661,345.63	February 2024	8,012,427.27	January 2029	3,113,394.20
April 2019	16,483,078.94	March 2024	7,894,579.65	February 2029	3,062,034.91
May 2019	16,306,046.81	April 2024	7,777,564.64	March 2029	3,011,455.91
June 2019	16,130,241.05	May 2024	7,661,376.66	April 2029	2,961,645.84
July 2019	15,955,653.53	June 2024	7,546,010.19	May 2029	2,912,593.53
August 2019	15,782,276.16	July 2024	7,431,459.75	June 2029	2,864,287.95
September 2019	15,610,100.92	August 2024	7,317,719.88	July 2029	2,816,718.25
October 2019	15,439,119.82	September 2024	7,204,785.17	August 2029	2,769,873.72
November 2019	15,269,324.94	October 2024	7,092,650.23	September 2029	2,723,743.79
December 2019	15,100,708.40	November 2024	6,981,872.33	October 2029	2,678,318.05
January 2020	14,933,262.40	December 2024	6,872,729.56	November 2029	2,633,586.25
February 2020	14,766,979.14	January 2025	6,765,198.55	December 2029	2,589,538.26
March 2020	14,601,850.92	February 2025	6,659,256.27	January 2030	2,546,164.11
April 2020	14,437,870.07	March 2025	6,554,880.00	February 2030	2,503,453.98
May 2020	14,275,028.96	April 2025	6,452,047.36	March 2030	2,461,398.17
June 2020	14,113,320.03	May 2025	6,350,736.25	April 2030	2,419,987.12
July 2020	13,952,735.75	June 2025	6,250,924.90	May 2030	2,379,211.43
August 2020	13,793,268.66	July 2025	6,152,591.86	June 2030	2,339,061.79
September 2020	13,634,911.33	August 2025	6,055,715.95	July 2030	2,299,529.06
October 2020	13,477,656.39	September 2025	5,960,276.31	August 2030	2,260,604.22
November 2020	13,321,496.51	October 2025	5,866,252.36	September 2030	2,222,278.37
December 2020	13,166,424.42	November 2025	5,773,623.81	October 2030	2,184,542.74
January 2021	13,012,432.88	December 2025	5,682,370.67	November 2030	2,147,388.69
February 2021	12,859,514.72	January 2026	5,592,473.20	December 2030	2,110,807.69
March 2021	12,707,662.79	February 2026	5,503,911.97	January 2031	2,074,791.36
April 2021	12,556,870.01	March 2026	5,416,667.79	February 2031	2,039,331.40
May 2021	12,407,129.34	April 2026	5,330,721.78	March 2031	2,004,419.66
June 2021	12,258,433.77	May 2026	5,246,055.29	April 2031	1,970,048.08
July 2021	12,110,776.37	June 2026	5,162,649.94	May 2031	1,936,208.74
August 2021	11,964,150.21	July 2026	5,080,487.62	June 2031	1,902,893.83
September 2021	11,818,548.45	August 2026	4,999,550.46	July 2031	1,870,095.62
October 2021	11,673,964.27	September 2026	4,919,820.86	August 2031	1,837,806.53
November 2021	11,530,390.89	October 2026	4,841,281.44	September 2031	1,806,019.06
December 2021	11,387,821.59	November 2026	4,763,915.09	October 2031	1,774,725.83
January 2022	11,246,249.69	December 2026	4,687,704.94	November 2031	1,743,919.57
February 2022	11,105,668.54	January 2027	4,612,634.32	December 2031	1,713,593.10
March 2022	10,966,071.56	February 2027	4,538,686.85	January 2032	1,683,739.35
April 2022	10,827,452.18	March 2027	4,465,846.34	February 2032	1,654,351.36
May 2022	10,689,803.91	April 2027	4,394,096.84	March 2032	1,625,422.24
June 2022	10,553,120.27	May 2027	4,323,422.63	April 2032	1,596,945.24
July 2022	10,417,394.85	June 2027	4,253,808.21	May 2032	1,568,913.67
August 2022	10,282,621.24	July 2027	4,185,238.28	June 2032	1,541,320.95
September 2022	10,148,793.13	August 2027	4,117,697.78	July 2032	1,514,160.59
October 2022	10,015,904.20	September 2027	4,051,171.86	August 2032	1,487,426.21
November 2022	9,883,948.20	October 2027	3,985,645.86	September 2032	1,461,111.51
December 2022	9,752,918.91	November 2027	3,921,105.34	October 2032	1,435,210.26

Aggregate Group II (Continued)

<u>Distribution Date</u>	<u>Planned Balance</u>	<u>Distribution Date</u>	<u>Planned Balance</u>	<u>Distribution Date</u>	<u>Planned Balance</u>
November 2032	\$ 1,409,716.35	May 2037	\$ 498,255.47	November 2041	\$ 131,775.56
December 2032	1,384,623.74	June 2037	487,878.79	December 2041	127,800.42
January 2033	1,359,926.49	July 2037	477,676.35	January 2042	123,899.52
February 2033	1,335,618.72	August 2037	467,645.48	February 2042	120,071.68
March 2033	1,311,694.67	September 2037	457,783.55	March 2042	116,315.71
April 2033	1,288,148.63	October 2037	448,087.96	April 2042	112,630.45
May 2033	1,264,974.98	November 2037	438,556.17	May 2042	109,014.78
June 2033	1,242,168.21	December 2037	429,185.64	June 2042	105,467.55
July 2033	1,219,722.84	January 2038	419,973.90	July 2042	101,987.66
August 2033	1,197,633.50	February 2038	410,918.51	August 2042	98,574.03
September 2033	1,175,894.90	March 2038	402,017.06	September 2042	95,225.57
October 2033	1,154,501.81	April 2038	393,267.17	October 2042	91,941.23
November 2033	1,133,449.07	May 2038	384,666.50	November 2042	88,719.97
December 2033	1,112,731.63	June 2038	376,212.75	December 2042	85,560.75
January 2034	1,092,344.47	July 2038	367,903.65	January 2043	82,462.58
February 2034	1,072,282.66	August 2038	359,736.96	February 2043	79,424.44
March 2034	1,052,541.35	September 2038	351,710.48	March 2043	76,445.37
April 2034	1,033,115.75	October 2038	343,822.03	April 2043	73,524.39
May 2034	1,014,001.14	November 2038	336,069.48	May 2043	70,660.56
June 2034	995,192.86	December 2038	328,450.71	June 2043	67,852.93
July 2034	976,686.34	January 2039	320,963.64	July 2043	65,100.59
August 2034	958,477.04	February 2039	313,606.24	August 2043	62,402.62
September 2034	940,560.53	March 2039	306,376.48	September 2043	59,758.13
October 2034	922,932.40	April 2039	299,272.37	October 2043	57,166.24
November 2034	905,588.34	May 2039	292,291.96	November 2043	54,626.08
December 2034	888,524.08	June 2039	285,433.31	December 2043	52,136.80
January 2035	871,735.41	July 2039	278,694.54	January 2044	49,697.55
February 2035	855,218.20	August 2039	272,073.75	February 2044	47,307.50
March 2035	838,968.36	September 2039	265,569.12	March 2044	44,965.84
April 2035	822,981.87	October 2039	259,178.81	April 2044	42,671.77
May 2035	807,254.77	November 2039	252,901.05	May 2044	40,424.48
June 2035	791,783.14	December 2039	246,734.06	June 2044	38,223.21
July 2035	776,563.14	January 2040	240,676.11	July 2044	36,067.19
August 2035	761,590.98	February 2040	234,725.48	August 2044	33,955.65
September 2035	746,862.90	March 2040	228,880.49	September 2044	31,887.85
October 2035	732,375.24	April 2040	223,139.47	October 2044	29,863.07
November 2035	718,124.34	May 2040	217,500.79	November 2044	27,880.57
December 2035	704,106.64	June 2040	211,962.83	December 2044	25,939.66
January 2036	690,318.60	July 2040	206,524.00	January 2045	24,039.62
February 2036	676,756.75	August 2040	201,182.74	February 2045	22,179.77
March 2036	663,417.66	September 2040	195,937.51	March 2045	20,359.43
April 2036	650,297.95	October 2040	190,786.78	April 2045	18,577.93
May 2036	637,394.30	November 2040	185,729.07	May 2045	16,834.61
June 2036	624,703.43	December 2040	180,762.88	June 2045	15,128.84
July 2036	612,222.10	January 2041	175,886.77	July 2045	13,459.96
August 2036	599,947.13	February 2041	171,099.32	August 2045	11,827.35
September 2036	587,875.39	March 2041	166,399.10	September 2045	10,230.39
October 2036	576,003.77	April 2041	161,784.73	October 2045	8,668.48
November 2036	564,329.22	May 2041	157,254.84	November 2045	7,141.01
December 2036	552,848.76	June 2041	152,808.09	December 2045	5,647.40
January 2037	541,559.41	July 2041	148,443.15	January 2046	4,187.06
February 2037	530,458.26	August 2041	144,158.70	February 2046	2,759.42
March 2037	519,542.44	September 2041	139,953.46	March 2046	1,363.92
April 2037	508,809.10	October 2041	135,826.17	April 2046 and thereafter	0.00

Aggregate Group III Targeted Balances

<u>Distribution Date</u>	<u>Targeted Balance</u>	<u>Distribution Date</u>	<u>Targeted Balance</u>	<u>Distribution Date</u>	<u>Targeted Balance</u>
Initial Balance	\$5,640,000.00	April 2018	\$4,009,246.70	September 2019	\$1,446,622.57
December 2016	5,595,890.34	May 2018	3,863,979.05	October 2019	1,321,703.54
January 2017	5,544,902.33	June 2018	3,714,730.79	November 2019	1,200,537.08
February 2017	5,486,857.02	July 2018	3,561,792.99	December 2019	1,083,050.06
March 2017	5,421,842.66	August 2018	3,405,464.89	January 2020	969,170.58
April 2017	5,349,962.60	September 2018	3,246,053.14	February 2020	858,828.03
May 2017	5,271,335.24	October 2018	3,083,871.07	March 2020	751,952.98
June 2017	5,186,093.79	November 2018	2,919,237.92	April 2020	648,477.21
July 2017	5,094,386.07	December 2018	2,752,478.04	May 2020	548,333.70
August 2017	4,996,374.26	January 2019	2,590,276.20	June 2020	451,456.56
September 2017	4,892,234.56	February 2019	2,432,545.44	July 2020	357,781.07
October 2017	4,782,156.89	March 2019	2,279,200.31	August 2020	267,243.59
November 2017	4,666,344.43	April 2019	2,130,156.79	September 2020	179,781.63
December 2017	4,545,013.29	May 2019	1,985,332.31	October 2020	95,333.76
January 2018	4,418,391.92	June 2019	1,844,645.73	November 2020	13,839.62
February 2018	4,286,720.75	July 2019	1,708,017.28	December 2020 and thereafter	0.00
March 2018	4,150,251.49	August 2019	1,575,368.58		

No one is authorized to give information or to make representations in connection with the Certificates other than the information and representations contained in or incorporated into this Prospectus Supplement and the additional Disclosure Documents. We take no responsibility for any unauthorized information or representation. This Prospectus Supplement and the additional Disclosure Documents do not constitute an offer or solicitation with regard to the Certificates if it is illegal to make such an offer or solicitation to you under state law. By delivering this Prospectus Supplement and the additional Disclosure Documents at any time, no one implies that the information contained herein or therein is correct after the date hereof or thereof.

Neither the Securities and Exchange Commission nor any state securities commission has approved or disapproved the Certificates or determined if this Prospectus Supplement is truthful and complete. Any representation to the contrary is a criminal offense.

\$368,832,316



**Guaranteed REMIC
Pass-Through Certificates
Fannie Mae REMIC Trust 2016-89**

PROSPECTUS SUPPLEMENT

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MORGAN STANLEY

November 22, 2016
