

**\$365,266,663**



## Guaranteed REMIC Pass-Through Certificates Fannie Mae REMIC Trust 2018-63

### 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.

**Carefully consider the risk factors on page S-8 of this prospectus supplement and 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.

Class	Group	Original Class Balance	Principal Type(1)	Interest Rate	Interest Type(1)	CUSIP Number	Final Distribution Date
IO .....	1	\$50,000,000(2)	NTL	3.0%	FIX/IO	3136B23L4	September 2048
PO .....	1	50,000,000	PT	0.0	PO	3136B23M2	September 2048
FC .....	2	9,235,553	PT	(3)	FLT	3136B23N0	September 2048
SC .....	2	9,235,553(2)	NTL	(3)	INV/IO	3136B23P5	September 2048
EA .....	2	29,980,000	PAC/AD	4.0	FIX	3136B23Q3	August 2047
EB .....	2	2,846,022	PAC/AD	4.0	FIX	3136B23R1	September 2048
EZ .....	2	4,116,190	SUP	4.0	FIX/Z	3136B23S9	September 2048
DA .....	3	27,872,668	PT	3.5	FIX	3136B23T7	September 2048
FD .....	3	55,745,335	PT	(3)	FLT	3136B23U4	September 2048
SD .....	3	55,745,335(2)	NTL	(3)	INV/IO	3136B23V2	September 2048
PA(4) .....	4	49,552,265	PAC/AD	3.5	FIX	3136B23W0	January 2047
PE(4) .....	4	6,427,671	PAC/AD	3.5	FIX	3136B23X8	August 2048
PC(4) .....	4	410,898	PAC/AD	3.5	FIX	3136B23Y6	September 2048
PF(4) .....	4	11,278,166	PAC/AD	(3)	FLT	3136B23Z3	September 2048
PS(4) .....	4	11,278,166(2)	NTL	(3)	INV/IO	3136B24A7	September 2048
Z .....	4	15,047,597	SUP	4.0	FIX/Z	3136B24B5	September 2048
KF .....	5	20,550,859	PT	(3)	FLT	3136B24C3	September 2048
KS .....	5	20,550,859(2)	NTL	(3)	INV/IO	3136B24D1	September 2048
KE(4) .....	5	58,676,534	PAC/AD	2.5	FIX	3136B24E9	March 2046
KI(4) .....	5	19,558,844(2)	NTL	4.5	FIX/IO	3136B24F6	March 2046
JE(4) .....	5	4,419,175	PAC/AD	2.5	FIX	3136B24G4	January 2047
JI(4) .....	5	1,473,058(2)	NTL	4.5	FIX/IO	3136B24H2	January 2047
KC(4) .....	5	9,107,730	PAC/AD	4.0	FIX	3136B24J8	September 2048
KZ .....	5	10,000,000	SUP	4.0	FIX/Z	3136B24K5	September 2048
R .....		0	NPR	0	NPR	3136B24L3	September 2048
RL .....		0	NPR	0	NPR	3136B24M1	September 2048

- (1) See “Description of the Certificates—Class Definitions and Abbreviations” in the REMIC prospectus.
- (2) Notional principal balances. These Classes are interest only classes. See page S-6 for a description of how their notional principal balances are calculated.

- (3) Based on LIBOR.
- (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 PD, PB, P, PG, KG, KH, KJ, KL, KM, KA, KN, KP, KQ, IK, KU, KW, KY, JA, JB, K, JC, JD, KD and KB 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 August 31, 2018.

**Credit Suisse**

The date of this Prospectus Supplement is August 27, 2018

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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
  - May 1, 2018, for all MBS issued on or after May 1, 2018,
  - June 1, 2016, for all MBS issued on or after June 1, 2016 and prior to May 1, 2018,
  - 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 May 1, 2018.

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](http://www.fanniemae.com).

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

Credit Suisse Securities (USA) LLC  
Prospectus Department  
11 Madison Avenue  
New York, NY 10010-3629  
(telephone 212-325-2580).

## SUMMARY

This summary contains only limited information about the certificates. Statistical information in this summary is provided as of August 1, 2018. 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

<u>Group</u>	<u>Assets</u>
1	Group 1 MBS
2	Group 2 MBS
3	Group 3 MBS
4	Group 4 MBS
5	Group 5 MBS

### Group 1, Group 2, Group 3, Group 4 and Group 5

#### Characteristics of the MBS

	<u>Approximate Principal Balance</u>	<u>Pass- Through Rate</u>	<u>Range of Weighted Average Coupons or WACs (annual percentages)</u>	<u>Range of Weighted Average Remaining Terms to Maturity or WAMs (in months)</u>
Group 1 MBS	\$ 50,000,000	3.00%	3.25% to 5.50%	241 to 360
Group 2 MBS	\$ 46,177,765	4.50%	4.75% to 7.00%	241 to 360
Group 3 MBS	\$ 83,618,003	5.50%	5.75% to 8.00%	241 to 360
Group 4 MBS	\$ 68,281,386	4.00%	4.25% to 6.50%	241 to 360
	\$ 8,263,176	4.00%	4.25% to 6.50%	241 to 360
	\$ 6,172,035	4.00%	4.25% to 6.50%	241 to 360
Group 5 MBS	\$102,754,298	4.50%	4.75% to 7.00%	241 to 360

#### Assumed Characteristics of the Underlying Mortgage Loans

	<u>Principal Balance</u>	<u>Original Term to Maturity (in months)</u>	<u>Remaining Term to Maturity (in months)</u>	<u>Loan Age (in months)</u>	<u>Interest Rate</u>
Group 1 MBS	\$ 50,000,000	360	334	23	3.494%
Group 2 MBS	\$ 46,177,765	360	340	16	5.150%
Group 3 MBS	\$ 83,618,003	360	357	3	6.160%
Group 4 MBS	\$ 68,281,386	360	353	5	4.663%
	\$ 8,263,176	360	352	7	4.600%
	\$ 6,172,035	360	348	4	4.636%
Group 5 MBS	\$102,754,298	360	356	3	5.100%

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 August 31, 2018.

## 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:

<u>Fed Book-Entry</u>	<u>Physical</u>
All classes of certificates other than the R and RL Classes	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>
FC .....	2.381%	6.50%	0.30%	LIBOR + 30 basis points
SC .....	4.119%	6.20%	0.00%	6.2% – LIBOR
FD .....	2.371%	6.50%	0.30%	LIBOR + 30 basis points
SD .....	4.129%	6.20%	0.00%	6.2% – LIBOR
PF .....	2.430%	6.50%	0.35%	LIBOR + 35 basis points
PS .....	4.070%	6.15%	0.00%	6.15% – LIBOR
KF .....	2.380%	6.50%	0.30%	LIBOR + 30 basis points
KS .....	4.120%	6.20%	0.00%	6.2% – 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:

<u>Class</u>	
IO .....	100% of the PO Class
SC .....	100% of the FC Class
SD .....	100% of the FD Class
PS .....	100% of the PF Class
KS .....	100% of the KF Class
KI .....	33.3333321972% of the KE Class
JI .....	33.3333257904% of the JE Class
IK .....	33.3333333333% of the <i>sum</i> of the KE and JE Classes

## 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>118%</u>	<u>200%</u>	<u>300%</u>	<u>400%</u>
IO and PO .....	19.0	9.5	8.7	6.2	4.5	3.4

<u>Group 2 Classes</u>	<u>PSA Prepayment Assumption</u>						
	<u>0%</u>	<u>100%</u>	<u>125%</u>	<u>170%</u>	<u>200%</u>	<u>500%</u>	<u>700%</u>
FC and SC .....	19.9	10.2	9.0	7.5	6.6	2.9	2.1
EA .....	15.2	6.5	6.0	6.0	6.0	2.6	1.9
EB .....	25.1	20.5	20.5	20.5	20.5	9.7	6.6
EZ .....	27.9	20.5	18.7	9.4	2.1	0.4	0.3

<u>Group 3 Classes</u>	<u>PSA Prepayment Assumption</u>						
	<u>0%</u>	<u>100%</u>	<u>386%</u>	<u>500%</u>	<u>800%</u>	<u>1000%</u>	<u>1200%</u>
DA, FD and SD .....	20.5	11.2	4.5	3.6	2.5	2.1	1.8

<u>Group 4 Classes</u>	<u>PSA Prepayment Assumption</u>							
	<u>0%</u>	<u>100%</u>	<u>150%</u>	<u>250%</u>	<u>304%</u>	<u>500%</u>	<u>800%</u>	<u>1200%</u>
PA .....	12.5	5.6	4.6	4.6	4.6	3.2	2.2	1.6
PE .....	21.7	14.5	14.4	14.4	14.4	9.1	5.6	3.5
PC .....	24.4	24.3	24.3	24.3	24.3	16.6	10.0	5.8
PF, PS, P and PG .....	13.6	6.7	5.9	5.9	5.9	4.0	2.7	1.9
Z .....	26.6	19.8	16.9	7.0	2.3	1.1	0.7	0.5
PD .....	21.9	15.0	15.0	15.0	15.0	9.6	5.9	3.6
PB .....	13.6	6.6	5.7	5.7	5.7	3.9	2.6	1.8

<u>Group 5 Classes</u>	<u>PSA Prepayment Assumption</u>						
	<u>0%</u>	<u>100%</u>	<u>135%</u>	<u>170%</u>	<u>225%</u>	<u>500%</u>	<u>700%</u>
KF and KS .....	19.9	10.9	9.3	8.2	6.7	3.6	2.7
KE, KI, KG, KH, KJ, KL, KM, KA, KN and KP ....	13.8	6.0	5.2	5.2	5.2	2.9	2.3
JE, JI and KB .....	23.0	13.2	12.7	12.7	12.7	6.3	4.6
KC .....	24.4	18.4	18.4	18.4	18.4	9.5	6.8
KZ .....	27.7	21.4	18.9	14.1	2.7	0.9	0.7
KD .....	24.0	16.7	16.5	16.5	16.5	8.5	6.1
KQ, KU, KW, KY, JA, JB, K, JC, JD and IK .....	14.5	6.5	5.7	5.7	5.7	3.2	2.5

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

## ADDITIONAL RISK FACTORS

*Recent natural disasters may present a risk of increased mortgage loan defaults.* In late summer 2017, Hurricane Harvey, Hurricane Irma and Hurricane Maria resulted in catastrophic damage to extensive areas of the Southeastern United States (including coastal Texas and Louisiana and coastal and inland Florida and Georgia), Puerto Rico and the U.S. Virgin Islands. The full extent of the physical damage resulting from the foregoing events, including severe flooding, high winds and environmental contamination, remains uncertain. Thousands of people have been displaced and interruptions in the affected regional economies have been significant. Although the long-term effects are unclear, these events could lead to a general economic downturn in the affected regions, including job losses and declines in real estate values. Accordingly, the rate of defaults on mortgage loans in the affected areas may increase. Any such increase will result in early payments of principal to holders of certificates (and early decreases in notional principal balances of interest only certificates) backed by MBS with underlying mortgage loans secured by properties in the affected areas.

*Uncertainty as to the determination of LIBOR and the potential phasing out of LIBOR after 2021 may adversely affect the value of certain certificates.* On July 27, 2017, regulatory authorities in the United Kingdom announced their intention to stop persuading or compelling banks to submit LIBOR rates after 2021. Accordingly, it is uncertain whether ICE will continue to quote LIBOR after 2021. Efforts to identify a set of alternative U.S. dollar reference interest rates include proposals by the Alternative Reference Rates Committee of the Federal Reserve Board and the Federal Reserve Bank of New York. At present, we are unable to predict the effect of any alternative reference rates that

may be established or any other reforms to LIBOR that may be adopted in the United Kingdom, in the U.S. or elsewhere. Uncertainty as to the nature of such potential changes, alternative reference rates or other reforms may adversely affect the trading market for LIBOR-based securities, including certificates with interest rates that adjust based on LIBOR. Moreover, any future reform, replacement or disappearance of LIBOR may adversely affect the value of and return on the affected certificates.

*The use of an alternative method or index in place of LIBOR for determining monthly interest rates may adversely affect the value of certain certificates.* As discussed in the REMIC Prospectus under “Risk Factors—Risks Relating to Yield and Prepayment—Intercontinental Exchange Benchmark Administration is the new LIBOR administrator” and in this prospectus supplement under “Description of the Certificates—Distributions of Interest,” we may in our discretion designate an alternative method or, if appropriate, an alternative index for the determination of monthly interest rates on the floating rate and inverse floating rate classes if, among other things, we determine that continued reliance on the customary method for determining LIBOR is no longer viable. We can provide no assurance that any such alternative method or index will yield the same or similar economic results over the lives of the related classes. In addition, although our designation of any alternative method or index will take into account various factors, including then-prevailing industry practices, there can be no assurance that broadly-adopted industry practices will develop, and it is uncertain what effect any divergent industry practices will have on the value of and return on the certificates.

## 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 August 1, 2018 (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 five groups of Fannie Mae Guaranteed Mortgage Pass-Through Certificates (the “Group 1 MBS,” “Group 2 MBS,” “Group 3 MBS,” “Group 4 MBS,” and “Group 5 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 interests” 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.”

<b>REMIC Designation</b>	<b>Assets</b>	<b>Regular Interests</b>	<b>Residual Interest</b>
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, Principal 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 1 MBS and Group 4 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 May 1, 2018. For periodic updates to that description, please refer to the Pool Prefix Glossary available on our Web site at [www.fanniemae.com](http://www.fanniemae.com). For additional information about the particular pools underlying the Group 1 MBS and Group 4 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 May 1, 2018.

For additional information, see “Summary—Group 1, Group 2, Group 3, Group 4 and Group 5—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 and “Additional Risk Factors—*Uncertainty as to the determination of LIBOR and the potential phasing out of LIBOR after 2021 may adversely affect the value of certain certificates*” in this prospectus supplement. If we determine that the methods for establishing LIBOR are no longer viable or that prevailing industry practices with respect to benchmark rates have transitioned, or are very likely to transition, away from the use of LIBOR, we may in our discretion designate an alternative method or, if appropriate, an alternative index for the determination of monthly interest rates on the Floating Rate and Inverse Floating Rate Classes. In making any such designation, we will take into account general comparability and other factors, including then-prevailing industry practices. Further, we may also determine the business day convention, the definition of business day, the reference rate date

and the determination date to be used and any other methodology for calculating the alternative method or index, and we may apply an adjustment factor to any designated alternative index as deemed appropriate to better achieve comparability to the current index and otherwise in keeping with industry-accepted practices. See “Additional Risk Factors—*The use of an alternative method or index in place of LIBOR for determining monthly interest rates may adversely affect the value of certain certificates*” in this prospectus supplement.

*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.

The Dealer will treat the Principal Only Class as a Delay Class, solely for the purpose of facilitating trading.

*Accrual Classes.* The EZ, Z and KZ 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 Group 1 Principal Distribution Amount to PO until retired. } Pass-Through Class

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

- *Group 2*

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

The Group 2 Cash Flow Distribution Amount as follows:

— 20% to FC until retired, and } Pass-Through Class

— 80% as follows:

*first*, to Aggregate Group I to its Planned Balance; } PAC Group

*second*, to EZ until retired; and } Support Class

*third*, to Aggregate Group I to zero. } PAC Group

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

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

“Aggregate Group I” consists of the EA and EB Classes. On each Distribution Date, we will apply payments of principal of Aggregate Group I to EA and EB, 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 Group 3 Principal Distribution Amount to DA and FD, pro rata, until retired. } Pass-Through  
Classes

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

- *Group 4*

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

The Group 4 Cash Flow Distribution Amount in the following priority:

1. To Aggregate Group II to its Planned Balance. } PAC Group
2. To Z until retired. } Support Class
3. To Aggregate Group II to zero. } PAC Group

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

The “Group 4 Cash Flow Distribution Amount” is the principal then paid on the Group 4 MBS.

“Aggregate Group II” consists of the PA, PE, PC and PF Classes. On each Distribution Date, we will apply payments of principal of Aggregate Group II as follows:

- 83.3333343185% to PA, PE and PC, in that order, until retired; and
- 16.6666656815% to PF, until retired.

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

- *Group 5*

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

The Group 5 Cash Flow Distribution Amount as follows:

- 19.9999994161% to KF until retired, and } Pass-Through  
Class
- 80.0000005839% as follows:
  - first*, to Aggregate Group III to its Planned Balance; } PAC Group
  - second*, to KZ until retired; and } Support Class
  - third*, to Aggregate Group III to zero. } PAC Group

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

The “Group 5 Cash Flow Distribution Amount” is the principal then paid on the Group 5 MBS.

“Aggregate Group III” consists of the KE, JE and KC Classes. On each Distribution Date, we will apply payments of principal of Aggregate Group III to KE, JE and KC, in that order, 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, Group 3, Group 4 and Group 5—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 August 31, 2018; 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” specified in the chart below. The “Effective Range” for an Aggregate Group is the range of prepayment rates (measured by *constant* PSA rates) that would reduce that Aggregate Group 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 related Aggregate Groups.

<u>Groups</u>	<u>Structuring Ranges</u>	<u>Initial Effective Ranges</u>
Aggregate Group I Planned Balances	Between 125% and 200% PSA	Between 125% and 200% PSA
Aggregate Group II Planned Balances	Between 150% and 304% PSA	Between 150% and 304% PSA
Aggregate Group III Planned Balances	Between 135% and 225% PSA	Between 135% and 225% PSA

The Aggregate Groups listed above consist of the following Classes:

Aggregate Group I . . . . .	EA and EB
Aggregate Group II . . . . .	PA, PE, PC and PF
Aggregate Group III . . . . .	KE, JE and KC

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 will conform on any Distribution Date to the balance specified in the Principal Balance Schedules or that distributions of principal of any Aggregate Group will begin or end on the Distribution Dates specified in the Principal Balance Schedules.**

If you are considering the purchase of a PAC 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 to its scheduled balance in any month. As a result, the likelihood of reducing an Aggregate Group 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 Aggregate Groups 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 Aggregate Groups 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 will be supported by one other Class. When the related supporting Class is retired, the Aggregate Group 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 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>
IO .....	189%
KI .....	319%
JI .....	357%
IK .....	54%

**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>
IO .....	19.31680%
KI .....	18.09375%
JI .....	38.43750%
IK .....	38.40625%

\* 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 IO Class to Prepayments

	PSA Prepayment Assumption					
	<u>50%</u>	<u>100%</u>	<u>118%</u>	<u>200%</u>	<u>300%</u>	<u>400%</u>
Pre-Tax Yields to Maturity . . . . .	9.0%	5.8%	4.6%	(0.7)%	(7.5)%	(14.5)%

### Sensitivity of the KI Class to Prepayments

	PSA Prepayment Assumption						
	<u>50%</u>	<u>100%</u>	<u>135%</u>	<u>170%</u>	<u>225%</u>	<u>500%</u>	<u>700%</u>
Pre-Tax Yields to Maturity . . . . .	16.4%	11.0%	7.3%	7.3%	7.3%	(16.2)%	(33.4)%

### Sensitivity of the JI Class to Prepayments

	PSA Prepayment Assumption						
	<u>50%</u>	<u>100%</u>	<u>135%</u>	<u>170%</u>	<u>225%</u>	<u>500%</u>	<u>700%</u>
Pre-Tax Yields to Maturity . . . . .	9.3%	7.1%	6.6%	6.6%	6.6%	(8.9)%	(22.8)%

### Sensitivity of the IK Class to Prepayments

	PSA Prepayment Assumption						
	<u>50%</u>	<u>100%</u>	<u>135%</u>	<u>170%</u>	<u>225%</u>	<u>500%</u>	<u>700%</u>
Pre-Tax Yields to Maturity . . . . .	0.4%	(5.8)%	(9.2)%	(9.2)%	(9.2)%	(36.4)%	(55.4)%

***The Principal Only Class.*** The Principal Only Class will not bear interest. As indicated in the table below, a low rate of principal payments (including prepayments) on the related Mortgage Loans will have a negative effect on the yield to investors in the Principal Only Class.

The information shown in the following yield table has been prepared on the basis of the Pricing Assumptions and the assumption that the aggregate purchase price of the Principal Only Class (expressed as a percentage of original principal balance) is as follows:

<u>Class</u>	<u>Price</u>
PO . . . . .	76.5816%

### Sensitivity of the PO Class to Prepayments

	PSA Prepayment Assumption					
	<u>50%</u>	<u>100%</u>	<u>118%</u>	<u>200%</u>	<u>300%</u>	<u>400%</u>
Pre-Tax Yields to Maturity . . . . .	2.3%	3.1%	3.4%	4.8%	6.8%	9.1%

***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 Inverse Floating Rate 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>
SC .....	14.312500%
SD .....	11.581646%
PS .....	19.000000%
KS .....	16.125000%

\* 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 SC Class to Prepayments and LIBOR (Pre-Tax Yields to Maturity)**

LIBOR	PSA Prepayment Assumption						
	50%	100%	125%	170%	200%	500%	700%
1.0405% .....	33.2%	29.9%	28.3%	25.3%	23.3%	1.9%	(13.7)%
2.0810% .....	25.0%	21.8%	20.2%	17.3%	15.3%	(5.7)%	(21.1)%
4.0810% .....	9.3%	6.2%	4.6%	1.8%	(0.1)%	(20.5)%	(35.5)%
5.0810% .....	0.4%	(2.6)%	(4.1)%	(6.9)%	(8.7)%	(28.6)%	(43.4)%
6.2000% .....	*	*	*	*	*	*	*

#### **Sensitivity of the SD 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>386%</u>	<u>500%</u>	<u>800%</u>	<u>1000%</u>	<u>1200%</u>
1.0355% .....	44.4%	41.9%	27.4%	21.4%	5.1%	(6.2)%	(17.9)%
2.0710% .....	34.1%	31.5%	16.5%	10.3%	(6.7)%	(18.5)%	(30.8)%
4.0710% .....	14.5%	11.8%	(4.4)%	(11.2)%	(30.0)%	(43.5)%	(57.5)%
5.0710% .....	4.1%	1.3%	(15.4)%	(22.5)%	(42.6)%	(57.3)%	(73.1)%
6.2000% .....	*	*	*	*	*	*	*

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

<b>LIBOR</b>	<b>PSA Prepayment Assumption</b>							
	<b>50%</b>	<b>100%</b>	<b>150%</b>	<b>250%</b>	<b>304%</b>	<b>500%</b>	<b>800%</b>	<b>1200%</b>
1.04% .....	19.7%	15.5%	12.0%	12.0%	12.0%	2.2%	(15.7)%	(42.4)%
2.08% .....	13.1%	8.7%	5.4%	5.4%	5.4%	(5.1)%	(23.7)%	(51.5)%
4.08% .....	(0.9)%	(5.5)%	(7.9)%	(7.9)%	(7.9)%	(19.6)%	(39.7)%	(70.7)%
5.08% .....	(10.1)%	(14.3)%	(15.8)%	(15.8)%	(15.8)%	(27.9)%	(48.9)%	(82.3)%
6.15% .....	*	*	*	*	*	*	*	*

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

<b>LIBOR</b>	<b>PSA Prepayment Assumption</b>						
	<b>50%</b>	<b>100%</b>	<b>135%</b>	<b>170%</b>	<b>225%</b>	<b>500%</b>	<b>700%</b>
1.04% .....	29.4%	26.8%	24.9%	23.1%	20.2%	5.2%	(6.2)%
2.08% .....	22.1%	19.5%	17.6%	15.7%	12.7%	(2.7)%	(14.6)%
4.08% .....	7.9%	5.1%	3.2%	1.2%	(1.9)%	(18.3)%	(31.1)%
5.08% .....	(0.2)%	(3.0)%	(5.0)%	(7.0)%	(10.2)%	(26.9)%	(40.3)%
6.20% .....	*	*	*	*	*	*	*

**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 Group 2, Group 3, Group 4 and Group 5 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	5.50%
Group 2 MBS	360 months	7.00%
Group 3 MBS	360 months	8.00%
Group 4 MBS	360 months	6.50%
Group 5 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	IO <sup>+</sup> and PO Classes						FC and SC <sup>+</sup> Classes							EA Class						
	PSA Prepayment Assumption						PSA Prepayment Assumption							PSA Prepayment Assumption						
	0%	100%	118%	200%	300%	400%	0%	100%	125%	170%	200%	500%	700%	0%	100%	125%	170%	200%	500%	700%
Initial Percent .....	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
August 2019 .....	99	92	91	87	81	76	99	94	93	91	90	76	67	98	92	91	91	91	84	73
August 2020 .....	97	85	83	75	65	56	98	87	84	80	77	52	38	96	83	80	80	80	55	38
August 2021 .....	96	78	75	64	52	42	97	80	77	71	67	36	22	94	74	70	70	70	35	17
August 2022 .....	94	71	68	55	42	31	95	74	70	62	58	25	12	92	65	60	60	60	21	6
August 2023 .....	92	65	61	47	33	23	94	68	63	55	50	17	7	90	57	51	51	51	11	0
August 2024 .....	91	59	55	40	26	17	93	62	57	48	43	12	4	87	50	43	43	43	5	0
August 2025 .....	89	54	50	34	21	12	91	57	51	42	37	8	2	85	43	36	36	36	*	0
August 2026 .....	87	49	45	29	17	9	89	52	46	37	31	5	1	82	36	29	29	29	0	0
August 2027 .....	85	45	40	25	13	7	88	48	42	32	27	4	1	79	30	24	24	24	0	0
August 2028 .....	83	40	36	21	10	5	86	44	37	28	23	2	*	76	24	19	19	19	0	0
August 2029 .....	80	36	32	18	8	4	84	40	33	24	19	2	*	72	18	15	15	15	0	0
August 2030 .....	78	33	28	15	6	3	82	36	30	21	17	1	*	69	12	11	11	11	0	0
August 2031 .....	75	29	25	12	5	2	79	32	26	18	14	1	*	65	8	8	8	8	0	0
August 2032 .....	72	26	22	10	4	1	77	29	23	16	12	1	*	61	5	5	5	5	0	0
August 2033 .....	69	23	19	9	3	1	74	26	20	13	10	*	*	57	3	3	3	3	0	0
August 2034 .....	66	20	17	7	2	1	71	23	18	11	8	*	*	52	1	1	1	1	0	0
August 2035 .....	63	18	15	6	2	*	68	20	16	10	7	*	*	47	0	0	0	0	0	0
August 2036 .....	60	15	13	5	1	*	65	18	13	8	6	*	*	42	0	0	0	0	0	0
August 2037 .....	56	13	11	4	1	*	61	16	12	7	5	*	*	37	0	0	0	0	0	0
August 2038 .....	52	11	9	3	1	*	57	13	10	5	4	*	*	31	0	0	0	0	0	0
August 2039 .....	48	9	7	2	1	*	53	11	8	4	3	*	*	24	0	0	0	0	0	0
August 2040 .....	44	8	6	2	*	*	49	9	7	3	2	*	*	18	0	0	0	0	0	0
August 2041 .....	40	6	5	1	*	*	44	8	5	3	2	*	*	10	0	0	0	0	0	0
August 2042 .....	35	5	3	1	*	*	39	6	4	2	1	*	*	3	0	0	0	0	0	0
August 2043 .....	30	3	2	1	*	*	34	4	3	1	1	*	*	0	0	0	0	0	0	0
August 2044 .....	24	2	1	*	*	*	28	3	2	1	1	*	*	0	0	0	0	0	0	0
August 2045 .....	19	1	1	*	*	*	22	2	1	*	*	*	*	0	0	0	0	0	0	0
August 2046 .....	13	0	0	0	0	0	15	*	*	*	*	*	*	0	0	0	0	0	0	0
August 2047 .....	7	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0
August 2048 .....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average																				
Life (years)** .....	19.0	9.5	8.7	6.2	4.5	3.4	19.9	10.2	9.0	7.5	6.6	2.9	2.1	15.2	6.5	6.0	6.0	6.0	2.6	1.9

\* 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	EB Class							EZ Class							DA, FD and SD† Classes							
	PSA Prepayment Assumption							PSA Prepayment Assumption							PSA Prepayment Assumption							
	0%	100%	125%	170%	200%	500%	700%	0%	100%	125%	170%	200%	500%	700%	0%	100%	386%	500%	800%	1000%	1200%	
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
August 2019	100	100	100	100	100	100	100	100	104	104	104	86	74	0	0	99	97	92	89	84	80	
August 2020	100	100	100	100	100	100	100	100	108	108	108	70	46	0	0	98	92	75	69	54	45	
August 2021	100	100	100	100	100	100	100	100	113	113	113	59	25	0	0	97	85	57	48	28	18	
August 2022	100	100	100	100	100	100	100	100	117	117	117	52	11	0	0	96	79	43	33	14	7	
August 2023	100	100	100	100	100	100	100	92	122	122	122	48	3	0	0	95	73	33	23	7	3	
August 2024	100	100	100	100	100	100	100	52	127	127	127	47	*	0	0	94	67	25	16	4	1	
August 2025	100	100	100	100	100	100	100	29	132	132	131	48	*	0	0	92	62	19	11	2	*	
August 2026	100	100	100	100	100	70	17	138	138	133	48	*	0	0	91	57	14	7	1	*	*	
August 2027	100	100	100	100	100	48	9	143	143	132	47	*	0	0	89	52	11	5	*	*	*	
August 2028	100	100	100	100	100	32	5	149	149	128	45	*	0	0	88	48	8	3	*	*	*	
August 2029	100	100	100	100	100	22	3	155	155	124	42	*	0	0	86	44	6	2	*	*	*	
August 2030	100	100	100	100	100	15	2	161	161	118	40	*	0	0	84	40	4	2	*	*	*	
August 2031	100	100	100	100	100	10	1	168	165	111	37	*	0	0	82	36	3	1	*	*	*	
August 2032	100	100	100	100	100	7	1	175	155	104	34	*	0	0	79	33	2	1	*	*	*	
August 2033	100	100	100	100	100	4	*	182	145	96	31	*	0	0	77	30	2	*	*	*	*	
August 2034	100	100	100	100	100	3	*	189	134	88	28	*	0	0	74	27	1	*	*	*	0	
August 2035	100	88	88	88	88	2	*	197	123	79	25	*	0	0	71	24	1	*	*	*	0	
August 2036	100	72	72	72	72	1	*	205	111	71	22	*	0	0	68	21	1	*	*	*	0	
August 2037	100	59	59	59	59	1	*	214	99	63	19	*	0	0	64	19	1	*	*	*	0	
August 2038	100	47	47	47	47	1	*	222	87	55	16	*	0	0	60	17	*	*	*	*	0	
August 2039	100	38	38	38	38	*	*	231	76	47	14	*	0	0	56	14	*	*	*	0	0	
August 2040	100	29	29	29	29	*	*	241	64	40	11	*	0	0	52	12	*	*	*	0	0	
August 2041	100	22	22	22	22	*	*	251	53	32	9	*	0	0	47	10	*	*	*	0	0	
August 2042	100	16	16	16	16	*	*	261	43	25	7	*	0	0	42	9	*	*	*	0	0	
August 2043	44	11	11	11	11	*	*	271	32	19	5	*	0	0	36	7	*	*	*	0	0	
August 2044	7	7	7	7	7	*	*	244	22	13	3	*	0	0	30	5	*	*	*	0	0	
August 2045	4	4	4	4	4	*	*	191	12	7	2	*	0	0	23	4	*	*	0	0	0	
August 2046	1	1	1	1	1	*	*	133	3	2	*	*	0	0	16	2	*	*	0	0	0	
August 2047	0	0	0	0	0	0	0	69	0	0	0	0	0	0	8	1	*	*	0	0	0	
August 2048	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Weighted Average																						
Life (years)**	25.1	20.5	20.5	20.5	20.5	9.7	6.6	27.9	20.5	18.7	9.4	2.1	0.4	0.3	20.5	11.2	4.5	3.6	2.5	2.1	1.8	

Date	PA Class								PE Class							
	PSA Prepayment Assumption								PSA Prepayment Assumption							
	0%	100%	150%	250%	304%	500%	800%	1200%	0%	100%	150%	250%	304%	500%	800%	1200%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
August 2019	97	94	92	92	92	92	92	84	100	100	100	100	100	100	100	100
August 2020	95	84	79	79	79	77	54	27	100	100	100	100	100	100	100	100
August 2021	92	73	65	65	65	48	21	0	100	100	100	100	100	100	100	80
August 2022	89	63	53	53	53	29	4	0	100	100	100	100	100	100	100	17
August 2023	86	53	41	41	41	15	0	0	100	100	100	100	100	100	63	*
August 2024	82	44	30	30	30	6	0	0	100	100	100	100	100	100	29	0
August 2025	79	35	21	21	21	0	0	0	100	100	100	100	100	99	11	0
August 2026	75	27	14	14	14	0	0	0	100	100	100	100	100	66	3	0
August 2027	71	19	8	8	8	0	0	0	100	100	100	100	100	43	0	0
August 2028	66	11	4	4	4	0	0	0	100	100	100	100	100	27	0	0
August 2029	62	4	*	*	*	0	0	0	100	100	100	100	100	16	0	0
August 2030	57	0	0	0	0	0	0	0	100	78	78	78	78	9	0	0
August 2031	52	0	0	0	0	0	0	0	100	60	60	60	60	4	0	0
August 2032	47	0	0	0	0	0	0	0	100	46	46	46	46	*	0	0
August 2033	41	0	0	0	0	0	0	0	100	34	34	34	34	0	0	0
August 2034	35	0	0	0	0	0	0	0	100	25	25	25	25	0	0	0
August 2035	29	0	0	0	0	0	0	0	100	18	18	18	18	0	0	0
August 2036	22	0	0	0	0	0	0	0	100	12	12	12	12	0	0	0
August 2037	15	0	0	0	0	0	0	0	100	8	8	8	8	0	0	0
August 2038	7	0	0	0	0	0	0	0	100	4	4	4	4	0	0	0
August 2039	0	0	0	0	0	0	0	0	95	2	2	2	2	0	0	0
August 2040	0	0	0	0	0	0	0	0	30	0	0	0	0	0	0	0
August 2041	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
August 2042	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
August 2043	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
August 2044	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
August 2045	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
August 2046	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
August 2047	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
August 2048	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average																
Life (years)**	12.5	5.6	4.6	4.6	4.6	3.2	2.2	1.6	21.7	14.5	14.4	14.4	14.4	9.1	5.6	3.5

\* 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	PC Class								PF, PS†, P and PG Classes							
	PSA Prepayment Assumption								PSA Prepayment Assumption							
	0%	100%	150%	250%	304%	500%	800%	1200%	0%	100%	150%	250%	304%	500%	800%	1200%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
August 2019	100	100	100	100	100	100	100	100	98	94	93	93	93	93	93	86
August 2020	100	100	100	100	100	100	100	100	95	86	82	82	82	80	59	36
August 2021	100	100	100	100	100	100	100	100	93	76	70	70	70	55	30	10
August 2022	100	100	100	100	100	100	100	100	90	67	58	58	58	38	15	3
August 2023	100	100	100	100	100	100	100	100	87	59	48	48	48	26	8	1
August 2024	100	100	100	100	100	100	100	28	84	51	39	39	39	18	4	*
August 2025	100	100	100	100	100	100	100	8	81	43	31	31	31	12	2	*
August 2026	100	100	100	100	100	100	100	2	78	36	25	25	25	8	1	*
August 2027	100	100	100	100	100	100	71	1	74	29	20	20	20	6	1	*
August 2028	100	100	100	100	100	100	36	*	70	22	15	15	15	4	*	*
August 2029	100	100	100	100	100	100	18	*	67	16	12	12	12	3	*	*
August 2030	100	100	100	100	100	100	9	*	62	10	10	10	10	2	*	*
August 2031	100	100	100	100	100	100	5	*	58	8	8	8	8	1	*	*
August 2032	100	100	100	100	100	100	2	*	53	6	6	6	6	1	*	*
August 2033	100	100	100	100	100	72	1	*	48	5	5	5	5	1	*	0
August 2034	100	100	100	100	100	48	1	0	43	4	4	4	4	*	*	0
August 2035	100	100	100	100	100	32	*	0	37	3	3	3	3	*	*	0
August 2036	100	100	100	100	100	21	*	0	31	2	2	2	2	*	*	0
August 2037	100	100	100	100	100	14	*	0	25	2	2	2	2	*	*	0
August 2038	100	100	100	100	100	9	*	0	19	1	1	1	1	*	*	0
August 2039	100	100	100	100	100	6	*	0	12	1	1	1	1	*	*	0
August 2040	100	93	93	93	93	4	*	0	4	1	1	1	1	*	*	0
August 2041	67	67	67	67	67	2	*	0	*	*	*	*	*	*	*	0
August 2042	47	47	47	47	47	1	*	0	*	*	*	*	*	*	*	0
August 2043	32	32	32	32	32	1	*	0	*	*	*	*	*	*	*	0
August 2044	21	21	21	21	21	*	*	0	*	*	*	*	*	*	0	0
August 2045	12	12	12	12	12	*	0	0	*	*	*	*	*	*	0	0
August 2046	6	6	6	6	6	*	0	0	*	*	*	*	*	*	0	0
August 2047	1	1	1	1	1	*	0	0	*	*	*	*	*	*	0	0
August 2048	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average																
Life (years)**	24.4	24.3	24.3	24.3	24.3	16.6	10.0	5.8	13.6	6.7	5.9	5.9	5.9	4.0	2.7	1.9

Date	Z Class								PD Class							
	PSA Prepayment Assumption								PSA Prepayment Assumption							
	0%	100%	150%	250%	304%	500%	800%	1200%	0%	100%	150%	250%	304%	500%	800%	1200%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
August 2019	104	104	104	91	85	60	21	0	100	100	100	100	100	100	100	100
August 2020	108	108	108	73	55	0	0	0	100	100	100	100	100	100	100	100
August 2021	113	113	113	55	26	0	0	0	100	100	100	100	100	100	100	82
August 2022	117	117	117	44	10	0	0	0	100	100	100	100	100	100	100	22
August 2023	122	122	122	39	2	0	0	0	100	100	100	100	100	100	65	6
August 2024	127	127	127	38	*	0	0	0	100	100	100	100	100	100	33	2
August 2025	132	132	128	37	*	0	0	0	100	100	100	100	100	99	17	*
August 2026	138	138	126	35	*	0	0	0	100	100	100	100	100	68	8	*
August 2027	143	143	122	33	*	0	0	0	100	100	100	100	100	46	4	*
August 2028	149	149	115	30	*	0	0	0	100	100	100	100	100	31	2	*
August 2029	155	155	108	26	*	0	0	0	100	100	100	100	100	21	1	*
August 2030	161	161	99	23	*	0	0	0	100	80	80	80	80	14	1	*
August 2031	168	151	91	21	*	0	0	0	100	63	63	63	63	10	*	*
August 2032	175	140	82	18	*	0	0	0	100	49	49	49	49	6	*	*
August 2033	182	129	74	15	*	0	0	0	100	38	38	38	38	4	*	0
August 2034	189	118	66	13	*	0	0	0	100	30	30	30	30	3	*	0
August 2035	197	106	58	11	*	0	0	0	100	23	23	23	23	2	*	0
August 2036	205	95	50	9	*	0	0	0	100	18	18	18	18	1	*	0
August 2037	214	84	44	7	*	0	0	0	100	13	13	13	13	1	*	0
August 2038	222	74	37	6	*	0	0	0	100	10	10	10	10	1	*	0
August 2039	231	64	31	5	*	0	0	0	96	8	8	8	8	*	*	0
August 2040	241	55	26	4	*	0	0	0	35	6	6	6	6	*	*	0
August 2041	232	46	21	3	*	0	0	0	4	4	4	4	4	*	*	0
August 2042	205	37	17	2	*	0	0	0	3	3	3	3	3	*	*	0
August 2043	177	29	13	2	*	0	0	0	2	2	2	2	2	*	*	0
August 2044	146	22	9	1	*	0	0	0	1	1	1	1	1	*	*	0
August 2045	113	15	6	1	*	0	0	0	1	1	1	1	1	*	0	0
August 2046	78	8	3	*	*	0	0	0	*	*	*	*	*	*	0	0
August 2047	40	2	1	*	*	0	0	0	*	*	*	*	*	*	0	0
August 2048	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average																
Life (years)**	26.6	19.8	16.9	7.0	2.3	1.1	0.7	0.5	21.9	15.0	15.0	15.0	15.0	9.6	5.9	3.6

\* 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	PB Class								KF and KS† Classes							
	PSA Prepayment Assumption								PSA Prepayment Assumption							
	0%	100%	150%	250%	304%	500%	800%	1200%	0%	100%	135%	170%	225%	500%	700%	
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
August 2019	98	94	93	93	93	93	93	86	99	97	96	95	94	89	85	
August 2020	95	86	82	82	82	79	59	36	98	91	89	87	84	69	59	
August 2021	93	76	69	69	69	54	30	9	97	84	80	77	71	47	34	
August 2022	90	67	58	58	58	37	15	2	95	78	73	68	61	33	19	
August 2023	87	59	48	48	48	25	7	*	94	72	65	60	51	22	11	
August 2024	84	50	38	38	38	17	3	0	93	66	59	52	44	15	6	
August 2025	81	43	30	30	30	11	1	0	91	61	53	46	37	11	4	
August 2026	78	35	24	24	24	8	*	0	89	56	47	40	31	7	2	
August 2027	74	28	19	19	19	5	0	0	88	51	42	35	26	5	1	
August 2028	70	22	15	15	15	3	0	0	86	46	38	31	22	3	1	
August 2029	66	15	12	12	12	2	0	0	84	42	34	27	18	2	*	
August 2030	62	9	9	9	9	1	0	0	82	39	30	23	15	2	*	
August 2031	58	7	7	7	7	*	0	0	79	35	27	20	13	1	*	
August 2032	53	5	5	5	5	*	0	0	77	32	24	17	11	1	*	
August 2033	48	4	4	4	4	0	0	0	74	28	21	15	9	*	*	
August 2034	43	3	3	3	3	0	0	0	71	25	18	13	7	*	*	
August 2035	37	2	2	2	2	0	0	0	68	23	16	11	6	*	*	
August 2036	31	1	1	1	1	0	0	0	65	20	14	9	5	*	*	
August 2037	25	1	1	1	1	0	0	0	61	18	12	8	4	*	*	
August 2038	18	1	1	1	1	0	0	0	57	15	10	6	3	*	*	
August 2039	11	*	*	*	*	0	0	0	53	13	8	5	3	*	*	
August 2040	3	0	0	0	0	0	0	0	49	11	7	4	2	*	*	
August 2041	0	0	0	0	0	0	0	0	44	9	6	3	2	*	*	
August 2042	0	0	0	0	0	0	0	0	39	8	5	3	1	*	*	
August 2043	0	0	0	0	0	0	0	0	34	6	4	2	1	*	*	
August 2044	0	0	0	0	0	0	0	0	28	5	3	1	1	*	*	
August 2045	0	0	0	0	0	0	0	0	22	3	2	1	*	*	*	
August 2046	0	0	0	0	0	0	0	0	15	2	1	1	*	*	*	
August 2047	0	0	0	0	0	0	0	0	8	1	*	*	*	*	*	
August 2048	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Weighted Average																
Life (years)**	13.6	6.6	5.7	5.7	5.7	3.9	2.6	1.8	19.9	10.9	9.3	8.2	6.7	3.6	2.7	

Date	KE, KI†, KG, KH, KJ, KL, KM, KA, KN and KP Classes								JE, JI† and KB Classes								KC Class							
	PSA Prepayment Assumption								PSA Prepayment Assumption								PSA Prepayment Assumption							
	0%	100%	135%	170%	225%	500%	700%	0%	100%	135%	170%	225%	500%	700%	0%	100%	135%	170%	225%	500%	700%			
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100			
August 2019	98	95	94	94	94	94	94	100	100	100	100	100	100	100	100	100	100	100	100	100	100			
August 2020	96	86	83	83	83	73	59	100	100	100	100	100	100	100	100	100	100	100	100	100	100			
August 2021	93	76	70	70	70	43	24	100	100	100	100	100	100	100	100	100	100	100	100	100	100			
August 2022	91	66	59	59	59	23	4	100	100	100	100	100	100	100	100	100	100	100	100	100	100			
August 2023	88	56	48	48	48	8	0	100	100	100	100	100	100	100	0	100	100	100	100	100	98			
August 2024	85	48	38	38	38	0	0	100	100	100	100	100	100	80	0	100	100	100	100	100	56			
August 2025	82	39	29	29	29	0	0	100	100	100	100	100	100	0	0	100	100	100	100	100	32			
August 2026	79	31	20	20	20	0	0	100	100	100	100	100	100	0	0	100	100	100	100	100	18			
August 2027	75	24	14	14	14	0	0	100	100	100	100	100	100	0	0	100	100	100	100	100	10			
August 2028	72	17	8	8	8	0	0	100	100	100	100	100	100	0	0	100	100	100	100	100	6			
August 2029	68	10	3	3	3	0	0	100	100	100	100	100	100	0	0	100	100	100	100	100	3			
August 2030	64	3	0	0	0	0	0	100	100	81	81	81	0	0	100	100	100	100	100	14	2			
August 2031	59	0	0	0	0	0	0	100	63	34	34	34	0	0	100	100	100	100	100	9	1			
August 2032	55	0	0	0	0	0	0	100	0	0	0	0	0	0	100	97	97	97	97	6	1			
August 2033	50	0	0	0	0	0	0	100	0	0	0	0	0	0	100	80	80	80	80	4	*			
August 2034	44	0	0	0	0	0	0	100	0	0	0	0	0	0	100	66	66	66	66	3	*			
August 2035	39	0	0	0	0	0	0	100	0	0	0	0	0	0	100	54	54	54	54	2	*			
August 2036	33	0	0	0	0	0	0	100	0	0	0	0	0	0	100	44	44	44	44	1	*			
August 2037	26	0	0	0	0	0	0	100	0	0	0	0	0	0	100	36	36	36	36	1	*			
August 2038	19	0	0	0	0	0	0	100	0	0	0	0	0	0	100	29	29	29	29	1	*			
August 2039	12	0	0	0	0	0	0	100	0	0	0	0	0	0	100	23	23	23	23	*	*			
August 2040	4	0	0	0	0	0	0	100	0	0	0	0	0	0	100	18	18	18	18	*	*			
August 2041	0	0	0	0	0	0	0	47	0	0	0	0	0	0	100	14	14	14	14	*	*			
August 2042	0	0	0	0	0	0	0	0	0	0	0	0	0	0	66	10	10	10	10	*	*			
August 2043	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	8	8	8	8	*	*			
August 2044	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5	5	5	5	*	*			
August 2045	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	3	3	3	*	*			
August 2046	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	2	2	*	*			
August 2047	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	*	*			
August 2048	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Weighted Average																								
Life (years)**	13.8	6.0	5.2	5.2	5.2	2.9	2.3	23.0	13.2	12.7	12.7	12.7	6.3	4.6	24.4	18.4	18.4	18.4	18.4	9.5	6.8			

\* 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	KZ Class							KD Class							KQ, KU, KW, KY, JA, JB, K, JC, JD and IK† Classes							
	PSA Prepayment Assumption							PSA Prepayment Assumption							PSA Prepayment Assumption							
	0%	100%	135%	170%	225%	500%	700%	0%	100%	135%	170%	225%	500%	700%	0%	100%	135%	170%	225%	500%	700%	
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
August 2019	104	104	104	99	90	47	16	100	100	100	100	100	100	100	98	95	94	94	94	94	94	
August 2020	108	108	108	92	66	0	0	100	100	100	100	100	100	100	96	87	84	84	84	75	62	
August 2021	113	113	113	83	38	0	0	100	100	100	100	100	100	100	94	77	73	73	73	47	29	
August 2022	117	117	117	78	19	0	0	100	100	100	100	100	100	100	91	68	62	62	62	28	10	
August 2023	122	122	122	75	7	0	0	100	100	100	100	100	100	66	89	60	51	51	51	15	0	
August 2024	127	127	127	74	1	0	0	100	100	100	100	100	93	38	86	51	42	42	42	6	0	
August 2025	132	132	132	76	*	0	0	100	100	100	100	100	64	21	83	44	34	34	34	0	0	
August 2026	138	138	134	76	*	0	0	100	100	100	100	100	44	12	80	36	26	26	26	0	0	
August 2027	143	143	134	75	*	0	0	100	100	100	100	100	30	7	77	29	20	20	20	0	0	
August 2028	149	149	131	72	*	0	0	100	100	100	100	100	20	4	74	22	14	14	14	0	0	
August 2029	155	155	126	69	*	0	0	100	100	100	100	100	14	2	70	16	10	10	10	0	0	
August 2030	161	161	120	65	*	0	0	100	100	94	94	94	9	1	66	10	6	6	6	0	0	
August 2031	168	168	113	60	*	0	0	100	88	78	78	78	6	1	62	4	2	2	2	0	0	
August 2032	175	171	105	55	*	0	0	100	65	65	65	65	4	*	58	0	0	0	0	0	0	
August 2033	182	160	97	50	*	0	0	100	54	54	54	54	3	*	53	0	0	0	0	0	0	
August 2034	189	149	89	45	*	0	0	100	44	44	44	44	2	*	48	0	0	0	0	0	0	
August 2035	197	137	80	40	*	0	0	100	36	36	36	36	1	*	43	0	0	0	0	0	0	
August 2036	205	125	72	36	*	0	0	100	30	30	30	30	1	*	37	0	0	0	0	0	0	
August 2037	214	113	64	31	*	0	0	100	24	24	24	24	1	*	31	0	0	0	0	0	0	
August 2038	222	100	56	27	*	0	0	100	19	19	19	19	*	*	25	0	0	0	0	0	0	
August 2039	231	88	49	23	*	0	0	100	15	15	15	15	*	*	18	0	0	0	0	0	0	
August 2040	241	77	42	19	*	0	0	100	12	12	12	12	*	*	11	0	0	0	0	0	0	
August 2041	251	65	35	16	*	0	0	83	9	9	9	9	*	*	3	0	0	0	0	0	0	
August 2042	261	54	28	13	*	0	0	44	7	7	7	7	*	*	0	0	0	0	0	0	0	
August 2043	269	44	22	10	*	0	0	5	5	5	5	5	*	*	0	0	0	0	0	0	0	
August 2044	224	33	17	7	*	0	0	4	4	4	4	4	*	*	0	0	0	0	0	0	0	
August 2045	174	24	12	5	*	0	0	2	2	2	2	2	*	*	0	0	0	0	0	0	0	
August 2046	120	14	7	3	*	0	0	1	1	1	1	1	*	*	0	0	0	0	0	0	0	
August 2047	63	6	3	1	*	0	0	*	*	*	*	*	*	*	0	0	0	0	0	0	0	
August 2048	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Weighted Average																						
Life (years)**	27.7	21.4	18.9	14.1	2.7	0.9	0.7	24.0	16.7	16.5	16.5	16.5	8.5	6.1	14.5	6.5	5.7	5.7	5.7	3.2	2.5	

\* 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, the Notional Classes, the Principal Only Class and the JE Class 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	118% PSA
2	170% PSA
3	386% PSA
4	250% PSA
5	170% 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 any 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.

The law informally known as the Tax Cuts and Jobs Act (“TCJA”), which was enacted on December 22, 2017, generally requires a beneficial owner of a Regular Certificate that uses an accrual method of accounting for tax purposes to include certain amounts in income no later than the time such amounts are reflected on certain financial statements. Although the precise application of this rule is unclear, it might require the accrual of income earlier than is the case under the general tax rules described under “Material Federal Income Tax Consequences—Taxation of Beneficial Owners of Regular Certificates” in the REMIC Prospectus. This rule is generally effective for tax years beginning after December 31, 2017, or for Regular Certificates issued with original issue discount, for tax years beginning after December 31, 2018. Prospective investors in Regular Certificates that use an accrual method of accounting for tax purposes are urged to consult with their tax advisors regarding the potential applicability of this legislation to their particular situations.

## **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.

The TCJA generally denies a deduction for an individual, trust or estate that holds a Residual Certificate of its allocable share of the REMIC’s fees or expenses under Section 212 of the Code for any taxable year beginning after December 31, 2017, and before January 1, 2026. Prospective investors in Residual Certificates are urged to consult with their tax advisors regarding the potential applicability of this legislation to their particular situations.

## **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. In Recombination 14, the IK Class is a Class of Combination RCR Certificates. In Recombinations 15, 16, 17, 18 and 19, the IK Class is a Class of Strip RCR Certificates. The KU, KW, KY, JA and JB Classes of RCR Certificates each represent (i) the right to receive a portion of the payments on the KI and JI Classes and (ii) beneficial ownership of an undivided interest in the KE and JE Classes. To the extent any such Class represents the right to receive a portion of the payments on a Class, it will be treated as a Strip RCR Certificate. To the extent any such Class represents beneficial ownership of an undivided interest in a Class, it will be treated as a Combination RCR Certificate. The remaining Classes of RCR Certificates are Combination RCR Certificates. For tax reporting purposes, RCR Certificates other than Combination RCR Certificates will be reported as a single debt instrument. 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 partnership’s tax affairs, effective beginning with the 2018 taxable year. Under the new rules, a partnership, including for this purpose a REMIC for a taxable year in which it has multiple Residual Owners, appoints one person to act as its sole representative in connection with IRS audits and related procedures. The representative’s actions, including the representative’s agreeing to adjustments to taxable income, will bind partners or Residual Owners to a greater

degree than would actions of the tax matters partner (“TMP”) under the rules in effect prior to the 2018 taxable year. See “Material Federal Income Tax Consequences—Reporting and Other Administrative Matters” in the REMIC Prospectus for a discussion of the TMP. Under the new rules, a REMIC having multiple Residual Owners in a taxable year, unless such REMIC elects otherwise, will be required to pay taxes arising from IRS audit adjustments rather than its Residual Owners. The Trustee, as representative, will have the authority to utilize, and will be directed to utilize, any exceptions available under the new provisions (including changes) and Regulations so that the Residual Owners, to the fullest extent possible, rather than the REMIC itself, will be liable for any taxes arising from audit adjustments to the REMIC’s taxable income. 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 taxable year in which the adjustment is made rather than in the taxable year to which the adjustment relates, and otherwise in different and potentially less advantageous ways than under the rules in effect prior to the 2018 taxable year. The new rules apply to existing and future REMICs having multiple Residual Owners in a taxable year. The new rules are complex and may be clarified and possibly revised. Residual Owners should discuss with their own tax advisors the possible effect of the new rules on them.

### **Foreign Investors**

Beginning on January 1, 2019, a 30-percent United States withholding tax (“FATCA withholding”) will apply to gross proceeds from the sale or other disposition of a Regular Certificate 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.

### **ADDITIONAL ERISA CONSIDERATIONS**

The following discussion supplements the discussion under “ERISA Considerations” in the REMIC Prospectus regarding important considerations for investors subject to ERISA or section 4975 of the Code. Due to the possibility that Fannie Mae, any Dealer or any of their respective affiliates may receive certain benefits in connection with the sale or holding of the Certificates, the purchase of the Certificates using “assets of a plan” (as described in 29 C.F.R. Section 2510.3-101, as modified by Section 3(42) of ERISA) over which any of these parties or their affiliates has investment authority, or renders investment advice for a fee with respect to the assets of the plan, or is the employer or other sponsor of the plan, might be deemed to be a violation of a provision of Title I of ERISA or Section 4975 of the Code. Accordingly, the Certificates may not be purchased using the assets of any plan if Fannie Mae, any Dealer or any of their respective affiliates has investment authority, or renders investment advice for a fee with respect to the assets of the plan, or is the employer or other sponsor of the plan, unless an applicable prohibited transaction exemption is available to cover the purchase or holding of the Certificates or the transaction is not otherwise prohibited.

### **PLAN OF DISTRIBUTION**

We are obligated to deliver the Certificates to Credit Suisse Securities (USA) 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.

## **EUROPEAN ECONOMIC AREA RISK RETENTION**

Prospective investors whose investment activities are subject to investment laws and regulations, regulatory capital requirements or review by regulatory authorities may be subject to restrictions on investment in the certificates. Prospective investors should consult legal, tax and accounting advisers for assistance in determining the suitability of and consequences of the purchase, ownership and sale of the certificates.

The application of Articles 404-410 of the European Union Capital Requirements Regulation 575/2013 and similar European Economic Area (“EEA”) legislation on risk retention requirements (the “EEA Risk Retention Regulations”) to the certificates transaction (the “Transaction”) is unclear.

Our exposure to the credit risk related to the Transaction is in the form of our guaranty obligations on the certificates (the “Guaranty Obligations”). Our Guaranty Obligations represent general unsecured obligations. Obligations similar to our Guaranty Obligations have long been a central feature to our mortgage-backed securities issuance programs and our Guaranty Obligations were undertaken in the ordinary course of our business.

In determining the extent to which the EEA Risk Retention Regulations apply to the Transaction, investors subject to the EEA Risk Retention Regulations may wish to consider the guidance appearing in the preamble to the regulatory technical standards contained in Commission Delegated Regulation (EU) No. 625/2014 of March 13, 2014, which provides in relevant part: “Where an entity securitises its own liabilities, alignment of interest is established automatically, regardless of whether the final debtor collateralises its debt. Where it is clear that the credit risk remains with the originator the retention of interest by the originator is unnecessary, and would not improve on the pre-existing position.” We will remain fully liable under the Guaranty Obligations. We do not intend to collateralize any of our credit exposure under the Guaranty Obligations or the certificates.

In order to assist Applicable Investors (as defined below) in evaluating a potential investment in the certificates, we will enter into a letter agreement on the settlement date pursuant to which we will irrevocably undertake to the certificateholders that, in connection with the EEA Risk Retention Regulations, at the origination and on an ongoing basis, so long as any certificates remain outstanding:

- we will, as originator (for purposes of the EEA Risk Retention Regulations), retain a material net economic interest (the “Retained Interest”) in the exposure related to the Transaction of not less than 5% through the Guaranty Obligations;
- neither we nor our affiliates will sell, hedge or otherwise mitigate our credit risk under or associated with the Retained Interest or the mortgage loans, except to the extent permitted in accordance with the EEA Risk Retention Regulations; accordingly, neither we nor our affiliates will, through this transaction or any subsequent transactions, enter into agreements that transfer or hedge more than a 95% pro rata share of the credit risk corresponding to any of the certificates;
- we will, upon written request and further subject to any applicable duty of confidentiality, provide such information in our possession as may reasonably be required

to assist the certificateholders to satisfy the due diligence obligations set forth in the EEA Risk Retention Regulations as of the settlement date and at any time prior to maturity of the certificates;

- we will confirm to the trustee for reporting to certificateholders our continued compliance with the undertakings set out at the first and second bullet points above (which confirmation may be by email): (i) on a monthly basis; and (ii) following our determination that the performance of the certificates or the risk characteristics of the certificates or of the mortgage loans has materially changed; and
- we will promptly notify the trustee in writing if for any reason: (i) we cease to hold the Retained Interest in accordance with the first bullet point above; or (ii) we or any of our affiliates fails to comply with the covenants set out in the second and third bullet points above in any way.

“Applicable Investor” means each holder of a beneficial interest in any certificates that is (i) an EEA credit institution or investment firm, (ii) an EEA insurer or reinsurer or (iii) an alternative investment fund to which Directive 2011/61/EU applies.

Prospective investors should also be aware that a new regulatory regime (the “Securitization Regulation”) will generally apply from and after January 1, 2019 to securitizations in which securities are issued after that date. The Securitization Regulation will apply to the types of regulated investors covered by the EEA Risk Retention Regulations and also to (a) an EEA undertaking for collective investment in transferable securities (“UCITS”) and UCITS management companies, and (b) institutions for occupational retirement provision falling within the scope of Directive (EU) 2016/2341 (subject to certain exceptions), and certain investment managers and authorized entities appointed by such institutions (together, “IORPs”). With regard to securitizations in respect of which the relevant securities are issued before January 1, 2019 (“Pre-2019 Securitizations”), investors that are subject to the EEA Risk Retention Regulations will continue to be subject to the risk retention and due diligence requirements of the EEA Risk Retention Regulations, including on and after that date. The Securitization Regulation makes no express provision for the application of any requirements of the EEA Risk Retention Regulations or of the Securitization Regulation to UCITS or IORPs that hold or acquire any interest in respect of a Pre-2019 Securitization and, accordingly, it is not clear what requirements (if any) will be applicable to those investors. Prospective investors are themselves responsible for monitoring and assessing changes to the EEA Risk Retention Regulations and their regulatory capital requirements.

Each prospective investor in the certificates is required independently to assess and determine whether our disclosure regarding risk retention contained in this prospectus supplement and the prospectus is sufficient for purposes of complying with any applicable risk retention requirements. Neither we nor the trustee or any other person makes any representation or provides any assurance to the effect that the information described in this prospectus supplement or in the prospectus is sufficient for such purposes. Each prospective investor in the certificates that is subject to any retention requirements should consult with its own legal, accounting and other advisors and/or its national regulator in determining the extent to which such information is sufficient for such purpose.

THE CERTIFICATES ARE NOT INTENDED TO BE OFFERED, SOLD OR OTHERWISE MADE AVAILABLE TO, AND SHOULD NOT BE OFFERED, SOLD OR OTHERWISE MADE AVAILABLE TO, ANY RETAIL INVESTOR IN THE EEA. FOR THESE PURPOSES, A RETAIL INVESTOR MEANS A PERSON WHO IS ONE (OR MORE) OF: (I) A RETAIL CLIENT AS DEFINED IN POINT (11) OF ARTICLE 4(1) OF DIRECTIVE 2014/65/EU (AS AMENDED, “MIFID II”); OR (II) A CUSTOMER WITHIN THE MEANING OF DIRECTIVE 2002/92/EC, WHERE THAT CUSTOMER WOULD NOT QUALIFY AS A PROFESSIONAL CLIENT AS DEFINED IN POINT (10) OF ARTICLE 4(1) OF MIFID II; OR (III) NOT A QUALIFIED

INVESTOR AS DEFINED IN DIRECTIVE 2003/71/EC, CONSEQUENTLY NO KEY INFORMATION DOCUMENT REQUIRED BY REGULATION (EU) NO1286/2014 (AS AMENDED, THE “PRIIPS REGULATION”) FOR OFFERING OR SELLING THE CERTIFICATES OR OTHERWISE MAKING THEM AVAILABLE TO RETAIL INVESTORS IN THE EEA HAS BEEN PREPARED AND THEREFORE OFFERING OR SELLING THE CERTIFICATES OR OTHERWISE MAKING THEM AVAILABLE TO ANY RETAIL INVESTOR IN THE EEA MAY BE UNLAWFUL UNDER THE PRIIPS REGULATION.

#### **LEGAL MATTERS**

Katten Muchin Rosenman LLP will provide legal representation for Fannie Mae. Morgan, Lewis & Bockius LLP will provide legal representation for the Dealer.

**Schedule 1**

**Available Recombinations(1)**

REMIC Certificates		RCR Certificates						
<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>
<b>Recombination 1</b>								
PC	\$ 410,898	PD	\$ 6,838,569	PAC/AD	3.50%	FIX	3136B24N9	September 2048
PE	6,427,671							
<b>Recombination 2</b>								
PA	49,552,265	PB	55,979,936	PAC/AD	3.50	FIX	3136B24P4	August 2048
PE	6,427,671							
<b>Recombination 3</b>								
PF	11,278,166	P	67,669,000	PAC/AD	4.00	FIX	3136B24Q2	September 2048
PS	11,278,166(3)							
PC	410,898							
PA	49,552,265							
PE	6,427,671							
<b>Recombination 4</b>								
PC	410,898	PG	56,390,834	PAC/AD	3.50	FIX	3136B24R0	September 2048
PA	49,552,265							
PE	6,427,671							
<b>Recombination 5</b>								
KE	58,676,534	KG	58,676,534	PAC/AD	2.75	FIX	3136B24T6	March 2046
KI	3,259,807(3)							
<b>Recombination 6</b>								
KE	58,676,534	KH	58,676,534	PAC/AD	3.00	FIX	3136B24U3	March 2046
KI	6,519,615(3)							
<b>Recombination 7</b>								
KE	58,676,534	KJ	58,676,534	PAC/AD	3.25	FIX	3136B24V1	March 2046
KI	9,779,422(3)							
<b>Recombination 8</b>								
KE	58,676,534	KL	58,676,534	PAC/AD	3.50	FIX	3136B24W9	March 2046
KI	13,039,230(3)							

REMIC Certificates		RCR Certificates						
<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>
<b>Recombination 9</b>								
KE	\$58,676,534	KM	\$58,676,534	PAC/AD	3.75%	FIX	3136B24X7	March 2046
KI	16,299,037(3)							
<b>Recombination 10</b>								
KE	58,676,534	KA	58,676,534	PAC/AD	4.00	FIX	3136B24Y5	March 2046
KI	19,558,844(3)							
<b>Recombination 11</b>								
KE	48,897,111	KN	48,897,111	PAC/AD	4.25	FIX	3136B24Z2	March 2046
KI	19,015,543(3)							
<b>Recombination 12</b>								
KE	41,911,810	KP	41,911,810	PAC/AD	4.50	FIX	3136B25A6	March 2046
KI	18,627,471(3)							
<b>Recombination 13</b>								
KE	58,676,534	KQ	63,095,709	PAC/AD	2.50	FIX	3136B25B4	January 2047
JE	4,419,175							
<b>Recombination 14</b>								
KE	58,676,534	KQ	63,095,709	PAC/AD	2.50	FIX	3136B25B4	January 2047
KI	19,558,844(3)	IK	21,031,902(3)	NTL	4.50	FIX/IO	3136B25L2	January 2047
JE	4,419,175							
JI	1,473,058(3)							
<b>Recombination 15</b>								
KE	58,676,534	KU	63,095,709	PAC/AD	2.75	FIX	3136B25C2	January 2047
KI	19,558,844(3)	IK	17,526,584(3)	NTL	4.50	FIX/IO	3136B25L2	January 2047
JE	4,419,175							
JI	1,473,058(3)							
<b>Recombination 16</b>								
KE	58,676,534	KW	63,095,709	PAC/AD	3.00	FIX	3136B25D0	January 2047
KI	19,558,844(3)	IK	14,021,267(3)	NTL	4.50	FIX/IO	3136B25L2	January 2047
JE	4,419,175							
JI	1,473,058(3)							

REMIC Certificates		RCR Certificates						Final Distribution Date
<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>	
<b>Recombination 17</b>								
KE	\$58,676,534	KY	\$63,095,709	PAC/AD	3.25%	FIX	3136B25E8	January 2047
KI	19,558,844(3)	IK	10,515,950(3)	NTL	4.50	FIX/IO	3136B25L2	January 2047
JE	4,419,175							
JI	1,473,058(3)							
<b>Recombination 18</b>								
KE	58,676,534	JA	63,095,709	PAC/AD	3.50	FIX	3136B25F5	January 2047
KI	19,558,844(3)	IK	7,010,633(3)	NTL	4.50	FIX/IO	3136B25L2	January 2047
JE	4,419,175							
JI	1,473,058(3)							
<b>Recombination 19</b>								
KE	58,676,534	JB	63,095,709	PAC/AD	3.75	FIX	3136B25G3	January 2047
KI	19,558,844(3)	IK	3,505,316(3)	NTL	4.50	FIX/IO	3136B25L2	January 2047
JE	4,419,175							
JI	1,473,058(3)							
<b>Recombination 20</b>								
KE	58,676,534	K	63,095,709	PAC/AD	4.00	FIX	3136B25H1	January 2047
KI	19,558,844(3)							
JE	4,419,175							
JI	1,473,058(3)							
<b>Recombination 21</b>								
KE	50,294,171	JC	54,082,036	PAC/AD	4.25	FIX	3136B25J7	January 2047
KI	19,558,844(3)							
JE	3,787,865							
JI	1,473,058(3)							
<b>Recombination 22</b>								
KE	44,007,399	JD	47,321,781	PAC/AD	4.50	FIX	3136B25K4	January 2047
KI	19,558,844(3)							
JE	3,314,382							
JI	1,473,058(3)							
<b>Recombination 23</b>								
KC	9,107,730	KD	13,526,905	PAC/AD	4.00	FIX	3136B24S8	September 2048
JE	4,419,175							
JI	1,473,058(3)							

REMIC Certificates		RCR Certificates						
<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>
<b>Recombination 24</b>								
JE	\$ 4,419,175	KB	\$ 4,419,175	PAC/AD	4.00%	FIX	3136B25M0	January 2047
JI	1,473,058(3)							

- (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-6 for a description of how their notional principal balances are calculated.

## Principal Balance Schedules

### *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 .....	\$32,826,022.00	April 2023 .....	\$19,082,267.76	December 2027 .....	\$ 9,419,996.92
September 2018 .....	32,630,813.71	May 2023 .....	18,866,876.14	January 2028 .....	9,296,010.22
October 2018 .....	32,428,214.85	June 2023 .....	18,652,812.68	February 2028 .....	9,173,490.79
November 2018 .....	32,218,325.18	July 2023 .....	18,440,068.02	March 2028 .....	9,052,422.12
December 2018 .....	32,001,249.10	August 2023 .....	18,228,632.87	April 2028 .....	8,932,787.85
January 2019 .....	31,777,095.48	September 2023 .....	18,018,498.00	May 2028 .....	8,814,571.84
February 2019 .....	31,545,977.63	October 2023 .....	17,809,654.22	June 2028 .....	8,697,758.09
March 2019 .....	31,308,013.18	November 2023 .....	17,602,092.43	July 2028 .....	8,582,330.80
April 2019 .....	31,063,323.94	December 2023 .....	17,395,803.55	August 2028 .....	8,468,274.33
May 2019 .....	30,812,035.86	January 2024 .....	17,190,778.59	September 2028 .....	8,355,573.22
June 2019 .....	30,554,278.84	February 2024 .....	16,987,008.60	October 2028 .....	8,244,212.17
July 2019 .....	30,290,186.69	March 2024 .....	16,784,484.70	November 2028 .....	8,134,176.06
August 2019 .....	30,019,896.93	April 2024 .....	16,583,198.04	December 2028 .....	8,025,449.93
September 2019 .....	29,743,550.72	May 2024 .....	16,383,139.86	January 2029 .....	7,918,018.98
October 2019 .....	29,461,292.69	June 2024 .....	16,184,301.42	February 2029 .....	7,811,868.58
November 2019 .....	29,180,826.99	July 2024 .....	15,986,674.07	March 2029 .....	7,706,984.26
December 2019 .....	28,902,141.30	August 2024 .....	15,790,249.18	April 2029 .....	7,603,351.71
January 2020 .....	28,625,223.40	September 2024 .....	15,595,018.21	May 2029 .....	7,500,956.76
February 2020 .....	28,350,061.14	October 2024 .....	15,400,972.64	June 2029 .....	7,399,785.43
March 2020 .....	28,076,642.44	November 2024 .....	15,208,104.04	July 2029 .....	7,299,823.86
April 2020 .....	27,804,955.31	December 2024 .....	15,016,403.99	August 2029 .....	7,201,058.36
May 2020 .....	27,534,987.82	January 2025 .....	14,826,886.37	September 2029 .....	7,103,475.39
June 2020 .....	27,266,728.15	February 2025 .....	14,639,569.96	October 2029 .....	7,007,061.55
July 2020 .....	27,000,164.51	March 2025 .....	14,454,430.22	November 2029 .....	6,911,803.60
August 2020 .....	26,735,285.21	April 2025 .....	14,271,442.86	December 2029 .....	6,817,688.44
September 2020 .....	26,472,078.64	May 2025 .....	14,090,583.88	January 2030 .....	6,724,703.11
October 2020 .....	26,210,533.26	June 2025 .....	13,911,829.50	February 2030 .....	6,632,834.80
November 2020 .....	25,950,637.59	July 2025 .....	13,735,156.24	March 2030 .....	6,542,070.83
December 2020 .....	25,692,380.24	August 2025 .....	13,560,540.85	April 2030 .....	6,452,398.67
January 2021 .....	25,435,749.88	September 2025 .....	13,387,960.35	May 2030 .....	6,363,805.93
February 2021 .....	25,180,735.26	October 2025 .....	13,217,392.01	June 2030 .....	6,276,280.34
March 2021 .....	24,927,325.21	November 2025 .....	13,048,813.34	July 2030 .....	6,189,809.79
April 2021 .....	24,675,508.60	December 2025 .....	12,882,202.10	August 2030 .....	6,104,382.29
May 2021 .....	24,425,274.41	January 2026 .....	12,717,536.29	September 2030 .....	6,019,985.97
June 2021 .....	24,176,611.66	February 2026 .....	12,554,794.16	October 2030 .....	5,936,609.12
July 2021 .....	23,929,509.46	March 2026 .....	12,393,954.17	November 2030 .....	5,854,240.12
August 2021 .....	23,683,956.98	April 2026 .....	12,234,995.06	December 2030 .....	5,772,867.53
September 2021 .....	23,439,943.46	May 2026 .....	12,077,895.77	January 2031 .....	5,692,479.98
October 2021 .....	23,197,458.20	June 2026 .....	11,922,635.48	February 2031 .....	5,613,066.27
November 2021 .....	22,956,490.59	July 2026 .....	11,769,193.59	March 2031 .....	5,534,615.30
December 2021 .....	22,717,030.07	August 2026 .....	11,617,549.74	April 2031 .....	5,457,116.09
January 2022 .....	22,479,066.16	September 2026 .....	11,467,683.78	May 2031 .....	5,380,557.81
February 2022 .....	22,242,588.42	October 2026 .....	11,319,575.79	June 2031 .....	5,304,929.71
March 2022 .....	22,007,586.50	November 2026 .....	11,173,206.06	July 2031 .....	5,230,221.18
April 2022 .....	21,774,050.12	December 2026 .....	11,028,555.09	August 2031 .....	5,156,421.74
May 2022 .....	21,541,969.04	January 2027 .....	10,885,603.61	September 2031 .....	5,083,521.01
June 2022 .....	21,311,333.12	February 2027 .....	10,744,332.55	October 2031 .....	5,011,508.71
July 2022 .....	21,082,132.25	March 2027 .....	10,604,723.06	November 2031 .....	4,940,374.69
August 2022 .....	20,854,356.41	April 2027 .....	10,466,756.49	December 2031 .....	4,870,108.93
September 2022 .....	20,627,995.63	May 2027 .....	10,330,414.37	January 2032 .....	4,800,701.49
October 2022 .....	20,403,040.00	June 2027 .....	10,195,678.48	February 2032 .....	4,732,142.56
November 2022 .....	20,179,479.69	July 2027 .....	10,062,530.76	March 2032 .....	4,664,422.42
December 2022 .....	19,957,304.91	August 2027 .....	9,930,953.37	April 2032 .....	4,597,531.48
January 2023 .....	19,736,505.95	September 2027 .....	9,800,928.66	May 2032 .....	4,531,460.24
February 2023 .....	19,517,073.16	October 2027 .....	9,672,439.15	June 2032 .....	4,466,199.31
March 2023 .....	19,298,996.94	November 2027 .....	9,545,467.60	July 2032 .....	4,401,739.40

# 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>
August 2032 .....	\$ 4,338,071.33	June 2037 .....	\$ 1,733,028.04	April 2042 .....	\$ 515,734.58
September 2032 .....	4,275,186.02	July 2037 .....	1,702,972.46	May 2042 .....	502,189.45
October 2032 .....	4,213,074.49	August 2037 .....	1,673,309.60	June 2042 .....	488,839.15
November 2032 .....	4,151,727.86	September 2037 .....	1,644,034.83	July 2042 .....	475,681.29
December 2032 .....	4,091,137.34	October 2037 .....	1,615,143.57	August 2042 .....	462,713.53
January 2033 .....	4,031,294.25	November 2037 .....	1,586,631.28	September 2042 .....	449,933.51
February 2033 .....	3,972,190.00	December 2037 .....	1,558,493.50	October 2042 .....	437,338.93
March 2033 .....	3,913,816.09	January 2038 .....	1,530,725.78	November 2042 .....	424,927.50
April 2033 .....	3,856,164.13	February 2038 .....	1,503,323.76	December 2042 .....	412,696.98
May 2033 .....	3,799,225.81	March 2038 .....	1,476,283.11	January 2043 .....	400,645.13
June 2033 .....	3,742,992.91	April 2038 .....	1,449,599.54	February 2043 .....	388,769.74
July 2033 .....	3,687,457.32	May 2038 .....	1,423,268.82	March 2043 .....	377,068.64
August 2033 .....	3,632,610.99	June 2038 .....	1,397,286.77	April 2043 .....	365,539.66
September 2033 .....	3,578,445.99	July 2038 .....	1,371,649.26	May 2043 .....	354,180.69
October 2033 .....	3,524,954.46	August 2038 .....	1,346,352.18	June 2043 .....	342,989.62
November 2033 .....	3,472,128.63	September 2038 .....	1,321,391.51	July 2043 .....	331,964.36
December 2033 .....	3,419,960.82	October 2038 .....	1,296,763.23	August 2043 .....	321,102.86
January 2034 .....	3,368,443.44	November 2038 .....	1,272,463.40	September 2043 .....	310,403.09
February 2034 .....	3,317,568.96	December 2038 .....	1,248,488.11	October 2043 .....	299,863.03
March 2034 .....	3,267,329.97	January 2039 .....	1,224,833.49	November 2043 .....	289,480.70
April 2034 .....	3,217,719.11	February 2039 .....	1,201,495.72	December 2043 .....	279,254.14
May 2034 .....	3,168,729.12	March 2039 .....	1,178,471.02	January 2044 .....	269,181.40
June 2034 .....	3,120,352.83	April 2039 .....	1,155,755.66	February 2044 .....	259,260.56
July 2034 .....	3,072,583.12	May 2039 .....	1,133,345.95	March 2044 .....	249,489.74
August 2034 .....	3,025,412.97	June 2039 .....	1,111,238.23	April 2044 .....	239,867.05
September 2034 .....	2,978,835.43	July 2039 .....	1,089,428.90	May 2044 .....	230,390.64
October 2034 .....	2,932,843.64	August 2039 .....	1,067,914.39	June 2044 .....	221,058.68
November 2034 .....	2,887,430.81	September 2039 .....	1,046,691.16	July 2044 .....	211,869.36
December 2034 .....	2,842,590.22	October 2039 .....	1,025,755.72	August 2044 .....	202,820.89
January 2035 .....	2,798,315.22	November 2039 .....	1,005,104.64	September 2044 .....	193,911.50
February 2035 .....	2,754,599.24	December 2039 .....	984,734.50	October 2044 .....	185,139.45
March 2035 .....	2,711,435.81	January 2040 .....	964,641.93	November 2044 .....	176,503.00
April 2035 .....	2,668,818.48	February 2040 .....	944,823.59	December 2044 .....	168,000.45
May 2035 .....	2,626,740.92	March 2040 .....	925,276.19	January 2045 .....	159,630.11
June 2035 .....	2,585,196.84	April 2040 .....	905,996.47	February 2045 .....	151,390.31
July 2035 .....	2,544,180.03	May 2040 .....	886,981.22	March 2045 .....	143,279.41
August 2035 .....	2,503,684.36	June 2040 .....	868,227.24	April 2045 .....	135,295.77
September 2035 .....	2,463,703.75	July 2040 .....	849,731.38	May 2045 .....	127,437.78
October 2035 .....	2,424,232.20	August 2040 .....	831,490.55	June 2045 .....	119,703.85
November 2035 .....	2,385,263.77	September 2040 .....	813,501.65	July 2045 .....	112,092.41
December 2035 .....	2,346,792.59	October 2040 .....	795,761.65	August 2045 .....	104,601.90
January 2036 .....	2,308,812.86	November 2040 .....	778,267.54	September 2045 .....	97,230.78
February 2036 .....	2,271,318.83	December 2040 .....	761,016.35	October 2045 .....	89,977.54
March 2036 .....	2,234,304.84	January 2041 .....	744,005.13	November 2045 .....	82,840.67
April 2036 .....	2,197,765.27	February 2041 .....	727,230.98	December 2045 .....	75,818.69
May 2036 .....	2,161,694.57	March 2041 .....	710,691.03	January 2046 .....	68,910.13
June 2036 .....	2,126,087.25	April 2041 .....	694,382.44	February 2046 .....	62,113.55
July 2036 .....	2,090,937.90	May 2041 .....	678,302.40	March 2046 .....	55,427.51
August 2036 .....	2,056,241.13	June 2041 .....	662,448.13	April 2046 .....	48,850.59
September 2036 .....	2,021,991.66	July 2041 .....	646,816.90	May 2046 .....	42,381.39
October 2036 .....	1,988,184.23	August 2041 .....	631,405.98	June 2046 .....	36,018.54
November 2036 .....	1,954,813.66	September 2041 .....	616,212.69	July 2046 .....	29,760.66
December 2036 .....	1,921,874.81	October 2041 .....	601,234.39	August 2046 .....	23,606.40
January 2037 .....	1,889,362.63	November 2041 .....	586,468.46	September 2046 .....	17,554.44
February 2037 .....	1,857,272.09	December 2041 .....	571,912.30	October 2046 .....	11,603.44
March 2037 .....	1,825,598.23	January 2042 .....	557,563.35	November 2046 .....	5,752.11
April 2037 .....	1,794,336.16	February 2042 .....	543,419.07	December 2046 and thereafter .....	0.00
May 2037 .....	1,763,481.03	March 2042 .....	529,476.98		

## 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 .....	\$67,669,000.00	August 2023 .....	\$32,504,445.76	August 2028 .....	\$10,472,836.74
September 2018 .....	67,381,177.37	September 2023 .....	31,951,820.29	September 2028 .....	10,271,181.69
October 2018 .....	67,072,326.51	October 2023 .....	31,403,207.95	October 2028 .....	10,073,233.52
November 2018 .....	66,742,579.58	November 2023 .....	30,858,573.57	November 2028 .....	9,878,926.04
December 2018 .....	66,392,084.89	December 2023 .....	30,317,882.24	December 2028 .....	9,688,194.22
January 2019 .....	66,021,006.75	January 2024 .....	29,781,099.34	January 2029 .....	9,500,974.15
February 2019 .....	65,629,525.33	February 2024 .....	29,248,190.53	February 2029 .....	9,317,203.08
March 2019 .....	65,217,836.57	March 2024 .....	28,719,121.70	March 2029 .....	9,136,819.33
April 2019 .....	64,786,151.98	April 2024 .....	28,193,859.04	April 2029 .....	8,959,762.30
May 2019 .....	64,334,698.44	May 2024 .....	27,672,368.98	May 2029 .....	8,785,972.46
June 2019 .....	63,863,717.99	June 2024 .....	27,158,988.50	June 2029 .....	8,615,391.34
July 2019 .....	63,373,467.64	July 2024 .....	26,654,829.60	July 2029 .....	8,447,961.47
August 2019 .....	62,864,219.06	August 2024 .....	26,159,730.12	August 2029 .....	8,283,626.40
September 2019 .....	62,336,258.37	September 2024 .....	25,673,530.70	September 2029 .....	8,122,330.67
October 2019 .....	61,789,885.79	October 2024 .....	25,196,074.77	October 2029 .....	7,964,019.80
November 2019 .....	61,225,415.41	November 2024 .....	24,727,208.44	November 2029 .....	7,808,640.25
December 2019 .....	60,643,174.78	December 2024 .....	24,266,780.50	December 2029 .....	7,656,139.44
January 2020 .....	60,043,504.64	January 2025 .....	23,814,642.38	January 2030 .....	7,506,465.70
February 2020 .....	59,426,758.49	February 2025 .....	23,370,648.08	February 2030 .....	7,359,568.28
March 2020 .....	58,793,302.27	March 2025 .....	22,934,654.10	March 2030 .....	7,215,397.30
April 2020 .....	58,143,513.94	April 2025 .....	22,506,519.48	April 2030 .....	7,073,903.79
May 2020 .....	57,477,783.07	May 2025 .....	22,086,105.68	May 2030 .....	6,935,039.61
June 2020 .....	56,796,510.41	June 2025 .....	21,673,276.56	June 2030 .....	6,798,757.49
July 2020 .....	56,100,107.46	July 2025 .....	21,267,898.35	July 2030 .....	6,665,010.98
August 2020 .....	55,390,942.77	August 2025 .....	20,869,839.62	August 2030 .....	6,533,754.44
September 2020 .....	54,669,398.17	September 2025 .....	20,478,971.19	September 2030 .....	6,404,943.06
October 2020 .....	53,951,858.60	October 2025 .....	20,095,166.15	October 2030 .....	6,278,532.79
November 2020 .....	53,239,753.81	November 2025 .....	19,718,299.78	November 2030 .....	6,154,480.37
December 2020 .....	52,533,037.55	December 2025 .....	19,348,249.55	December 2030 .....	6,032,743.31
January 2021 .....	51,831,663.90	January 2026 .....	18,984,895.03	January 2031 .....	5,913,279.85
February 2021 .....	51,135,587.33	February 2026 .....	18,628,117.90	February 2031 .....	5,796,048.98
March 2021 .....	50,444,762.63	March 2026 .....	18,277,801.89	March 2031 .....	5,681,010.41
April 2021 .....	49,759,144.97	April 2026 .....	17,933,832.77	April 2031 .....	5,568,124.56
May 2021 .....	49,078,689.86	May 2026 .....	17,596,098.28	May 2031 .....	5,457,352.54
June 2021 .....	48,403,353.17	June 2026 .....	17,264,488.11	June 2031 .....	5,348,656.17
July 2021 .....	47,733,091.09	July 2026 .....	16,938,893.88	July 2031 .....	5,241,997.92
August 2021 .....	47,067,860.19	August 2026 .....	16,619,209.11	August 2031 .....	5,137,340.93
September 2021 .....	46,407,617.34	September 2026 .....	16,305,329.14	September 2031 .....	5,034,649.00
October 2021 .....	45,752,319.77	October 2026 .....	15,997,151.15	October 2031 .....	4,933,886.56
November 2021 .....	45,101,925.05	November 2026 .....	15,694,574.13	November 2031 .....	4,835,018.66
December 2021 .....	44,456,391.06	December 2026 .....	15,397,498.79	December 2031 .....	4,738,011.00
January 2022 .....	43,815,676.02	January 2027 .....	15,105,827.60	January 2032 .....	4,642,829.85
February 2022 .....	43,179,738.49	February 2027 .....	14,819,464.72	February 2032 .....	4,549,442.09
March 2022 .....	42,548,537.33	March 2027 .....	14,538,315.99	March 2032 .....	4,457,815.21
April 2022 .....	41,922,031.73	April 2027 .....	14,262,288.87	April 2032 .....	4,367,917.23
May 2022 .....	41,300,181.21	May 2027 .....	13,991,292.46	May 2032 .....	4,279,716.77
June 2022 .....	40,682,945.59	June 2027 .....	13,725,237.42	June 2032 .....	4,193,183.00
July 2022 .....	40,070,285.01	July 2027 .....	13,464,035.98	July 2032 .....	4,108,285.63
August 2022 .....	39,462,159.93	August 2027 .....	13,207,601.92	August 2032 .....	4,024,994.90
September 2022 .....	38,858,531.10	September 2027 .....	12,955,850.50	September 2032 .....	3,943,281.60
October 2022 .....	38,259,359.59	October 2027 .....	12,708,698.46	October 2032 .....	3,863,117.01
November 2022 .....	37,664,606.77	November 2027 .....	12,466,064.02	November 2032 .....	3,784,472.95
December 2022 .....	37,074,234.32	December 2027 .....	12,227,866.79	December 2032 .....	3,707,321.72
January 2023 .....	36,488,204.19	January 2028 .....	11,994,027.81	January 2033 .....	3,631,636.11
February 2023 .....	35,906,478.66	February 2028 .....	11,764,469.50	February 2033 .....	3,557,389.40
March 2023 .....	35,329,020.30	March 2028 .....	11,539,115.62	March 2033 .....	3,484,555.34
April 2023 .....	34,755,791.94	April 2028 .....	11,317,891.28	April 2033 .....	3,413,108.16
May 2023 .....	34,186,756.74	May 2028 .....	11,100,722.90	May 2033 .....	3,343,022.53
June 2023 .....	33,621,878.12	June 2028 .....	10,887,538.16	June 2033 .....	3,274,273.58
July 2023 .....	33,061,119.79	July 2028 .....	10,678,266.04	July 2033 .....	3,206,836.88

# 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>
August 2033 .....	\$ 3,140,688.44	June 2038 .....	\$ 871,900.33	April 2043 .....	\$ 180,449.94
September 2033 .....	3,075,804.69	July 2038 .....	851,419.73	May 2043 .....	174,619.62
October 2033 .....	3,012,162.47	August 2038 .....	831,356.46	June 2043 .....	168,922.52
November 2033 .....	2,949,739.06	September 2038 .....	811,702.60	July 2043 .....	163,355.93
December 2033 .....	2,888,512.11	October 2038 .....	792,450.36	August 2043 .....	157,917.25
January 2034 .....	2,828,459.71	November 2038 .....	773,592.11	September 2043 .....	152,603.88
February 2034 .....	2,769,560.30	December 2038 .....	755,120.35	October 2043 .....	147,413.28
March 2034 .....	2,711,792.73	January 2039 .....	737,027.70	November 2043 .....	142,342.99
April 2034 .....	2,655,136.21	February 2039 .....	719,306.95	December 2043 .....	137,390.56
May 2034 .....	2,599,570.34	March 2039 .....	701,950.99	January 2044 .....	132,553.60
June 2034 .....	2,545,075.07	April 2039 .....	684,952.86	February 2044 .....	127,829.77
July 2034 .....	2,491,630.71	May 2039 .....	668,305.71	March 2044 .....	123,216.75
August 2034 .....	2,439,217.93	June 2039 .....	652,002.84	April 2044 .....	118,712.31
September 2034 .....	2,387,817.73	July 2039 .....	636,037.65	May 2044 .....	114,314.21
October 2034 .....	2,337,411.46	August 2039 .....	620,403.67	June 2044 .....	110,020.30
November 2034 .....	2,287,980.81	September 2039 .....	605,094.55	July 2044 .....	105,828.43
December 2034 .....	2,239,507.78	October 2039 .....	590,104.05	August 2044 .....	101,736.52
January 2035 .....	2,191,974.71	November 2039 .....	575,426.05	September 2044 .....	97,742.52
February 2035 .....	2,145,364.24	December 2039 .....	561,054.54	October 2044 .....	93,844.41
March 2035 .....	2,099,659.34	January 2040 .....	546,983.62	November 2044 .....	90,040.22
April 2035 .....	2,054,843.26	February 2040 .....	533,207.51	December 2044 .....	86,328.01
May 2035 .....	2,010,899.57	March 2040 .....	519,720.51	January 2045 .....	82,705.90
June 2035 .....	1,967,812.13	April 2040 .....	506,517.05	February 2045 .....	79,172.01
July 2035 .....	1,925,565.09	May 2040 .....	493,591.66	March 2045 .....	75,724.51
August 2035 .....	1,884,142.88	June 2040 .....	480,938.95	April 2045 .....	72,361.63
September 2035 .....	1,843,530.20	July 2040 .....	468,553.65	May 2045 .....	69,081.59
October 2035 .....	1,803,712.05	August 2040 .....	456,430.58	June 2045 .....	65,882.67
November 2035 .....	1,764,673.68	September 2040 .....	444,564.66	July 2045 .....	62,763.20
December 2035 .....	1,726,400.61	October 2040 .....	432,950.90	August 2045 .....	59,721.49
January 2036 .....	1,688,878.63	November 2040 .....	421,584.39	September 2045 .....	56,755.94
February 2036 .....	1,652,093.76	December 2040 .....	410,460.34	October 2045 .....	53,864.95
March 2036 .....	1,616,032.30	January 2041 .....	399,574.02	November 2045 .....	51,046.94
April 2036 .....	1,580,680.78	February 2041 .....	388,920.80	December 2045 .....	48,300.40
May 2036 .....	1,546,025.98	March 2041 .....	378,496.14	January 2046 .....	45,623.81
June 2036 .....	1,512,054.91	April 2041 .....	368,295.57	February 2046 .....	43,015.69
July 2036 .....	1,478,754.82	May 2041 .....	358,314.72	March 2046 .....	40,474.61
August 2036 .....	1,446,113.20	June 2041 .....	348,549.29	April 2046 .....	37,999.15
September 2036 .....	1,414,117.73	July 2041 .....	338,995.06	May 2046 .....	35,587.90
October 2036 .....	1,382,756.36	August 2041 .....	329,647.90	June 2046 .....	33,239.51
November 2036 .....	1,352,017.21	September 2041 .....	320,503.73	July 2046 .....	30,952.65
December 2036 .....	1,321,888.66	October 2041 .....	311,558.58	August 2046 .....	28,725.99
January 2037 .....	1,292,359.27	November 2041 .....	302,808.53	September 2046 .....	26,558.25
February 2037 .....	1,263,417.82	December 2041 .....	294,249.74	October 2046 .....	24,448.18
March 2037 .....	1,235,053.28	January 2042 .....	285,878.44	November 2046 .....	22,394.53
April 2037 .....	1,207,254.83	February 2042 .....	277,690.93	December 2046 .....	20,396.09
May 2037 .....	1,180,011.84	March 2042 .....	269,683.59	January 2047 .....	18,451.68
June 2037 .....	1,153,313.87	April 2042 .....	261,852.85	February 2047 .....	16,560.12
July 2037 .....	1,127,150.69	May 2042 .....	254,195.23	March 2047 .....	14,720.29
August 2037 .....	1,101,512.23	June 2042 .....	246,707.27	April 2047 .....	12,931.04
September 2037 .....	1,076,388.62	July 2042 .....	239,385.64	May 2047 .....	11,191.30
October 2037 .....	1,051,770.15	August 2042 .....	232,227.01	June 2047 .....	9,499.97
November 2037 .....	1,027,647.30	September 2042 .....	225,228.15	July 2047 .....	7,856.02
December 2037 .....	1,004,010.72	October 2042 .....	218,385.88	August 2047 .....	6,258.39
January 2038 .....	980,851.23	November 2042 .....	211,697.08	September 2047 .....	4,817.70
February 2038 .....	958,159.82	December 2042 .....	205,158.69	October 2047 .....	3,418.04
March 2038 .....	935,927.63	January 2043 .....	198,767.70	November 2047 .....	2,058.52
April 2038 .....	914,145.98	February 2043 .....	192,521.16	December 2047 .....	738.24
May 2038 .....	892,806.34	March 2043 .....	186,416.19	January 2048 and thereafter .....	0.00

### Aggregate Group III 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 .....	\$72,203,439.00	September 2023 .....	\$41,060,564.27	October 2028 .....	\$17,583,247.55
September 2018 .....	71,996,755.34	October 2023 .....	40,555,579.43	November 2028 .....	17,328,535.10
October 2018 .....	71,771,144.40	November 2023 .....	40,053,966.24	December 2028 .....	17,077,222.26
November 2018 .....	71,526,685.29	December 2023 .....	39,555,698.94	January 2029 .....	16,829,265.55
December 2018 .....	71,263,470.21	January 2024 .....	39,060,751.93	February 2029 .....	16,584,622.00
January 2019 .....	70,981,604.40	February 2024 .....	38,569,099.82	March 2029 .....	16,343,249.20
February 2019 .....	70,681,206.09	March 2024 .....	38,080,717.37	April 2029 .....	16,105,105.28
March 2019 .....	70,362,406.42	April 2024 .....	37,595,579.52	May 2029 .....	15,870,148.86
April 2019 .....	70,025,349.35	May 2024 .....	37,113,661.39	June 2029 .....	15,638,339.11
May 2019 .....	69,670,191.54	June 2024 .....	36,634,938.26	July 2029 .....	15,409,635.70
June 2019 .....	69,297,102.24	July 2024 .....	36,159,385.59	August 2029 .....	15,183,998.78
July 2019 .....	68,906,263.19	August 2024 .....	35,686,979.00	September 2029 .....	14,961,389.04
August 2019 .....	68,497,868.39	September 2024 .....	35,217,694.29	October 2029 .....	14,741,767.63
September 2019 .....	68,072,124.02	October 2024 .....	34,751,507.42	November 2029 .....	14,525,096.20
October 2019 .....	67,629,248.20	November 2024 .....	34,288,394.52	December 2029 .....	14,311,336.87
November 2019 .....	67,169,470.82	December 2024 .....	33,828,331.87	January 2030 .....	14,100,452.26
December 2019 .....	66,693,033.34	January 2025 .....	33,371,295.94	February 2030 .....	13,892,405.42
January 2020 .....	66,200,188.53	February 2025 .....	32,917,263.34	March 2030 .....	13,687,159.89
February 2020 .....	65,691,200.31	March 2025 .....	32,466,210.84	April 2030 .....	13,484,679.66
March 2020 .....	65,166,343.40	April 2025 .....	32,018,115.39	May 2030 .....	13,284,929.16
April 2020 .....	64,625,903.16	May 2025 .....	31,573,029.74	June 2030 .....	13,087,873.28
May 2020 .....	64,070,175.23	June 2025 .....	31,133,763.22	July 2030 .....	12,893,477.35
June 2020 .....	63,499,465.30	July 2025 .....	30,700,242.22	August 2030 .....	12,701,707.12
July 2020 .....	62,914,088.79	August 2025 .....	30,272,394.08	September 2030 .....	12,512,528.78
August 2020 .....	62,314,370.55	September 2025 .....	29,850,147.00	October 2030 .....	12,325,908.95
September 2020 .....	61,700,644.50	October 2025 .....	29,433,430.09	November 2030 .....	12,141,814.65
October 2020 .....	61,073,253.36	November 2025 .....	29,022,173.36	December 2030 .....	11,960,213.34
November 2020 .....	60,432,548.26	December 2025 .....	28,616,307.64	January 2031 .....	11,781,072.85
December 2020 .....	59,796,239.20	January 2026 .....	28,215,764.68	February 2031 .....	11,604,361.46
January 2021 .....	59,164,293.30	February 2026 .....	27,820,477.02	March 2031 .....	11,430,047.81
February 2021 .....	58,536,677.93	March 2026 .....	27,430,378.07	April 2031 .....	11,258,100.95
March 2021 .....	57,913,360.68	April 2026 .....	27,045,402.06	May 2031 .....	11,088,490.32
April 2021 .....	57,294,309.37	May 2026 .....	26,665,484.03	June 2031 .....	10,921,185.74
May 2021 .....	56,679,492.03	June 2026 .....	26,290,559.85	July 2031 .....	10,756,157.40
June 2021 .....	56,068,876.92	July 2026 .....	25,920,566.15	August 2031 .....	10,593,375.89
July 2021 .....	55,462,432.53	August 2026 .....	25,555,440.39	September 2031 .....	10,432,812.15
August 2021 .....	54,860,127.55	September 2026 .....	25,195,120.77	October 2031 .....	10,274,437.48
September 2021 .....	54,261,930.91	October 2026 .....	24,839,546.27	November 2031 .....	10,118,223.55
October 2021 .....	53,667,811.73	November 2026 .....	24,488,656.65	December 2031 .....	9,964,142.40
November 2021 .....	53,077,739.36	December 2026 .....	24,142,392.38	January 2032 .....	9,812,166.39
December 2021 .....	52,491,683.37	January 2027 .....	23,800,694.71	February 2032 .....	9,662,268.26
January 2022 .....	51,909,613.52	February 2027 .....	23,463,505.59	March 2032 .....	9,514,421.07
February 2022 .....	51,331,499.81	March 2027 .....	23,130,767.71	April 2032 .....	9,368,598.22
March 2022 .....	50,757,312.40	April 2027 .....	22,802,424.46	May 2032 .....	9,224,773.47
April 2022 .....	50,187,021.72	May 2027 .....	22,478,419.96	June 2032 .....	9,082,920.88
May 2022 .....	49,620,598.35	June 2027 .....	22,158,698.99	July 2032 .....	8,943,014.85
June 2022 .....	49,058,013.10	July 2027 .....	21,843,207.04	August 2032 .....	8,805,030.10
July 2022 .....	48,499,236.98	August 2027 .....	21,531,890.27	September 2032 .....	8,668,941.68
August 2022 .....	47,944,241.20	September 2027 .....	21,224,695.52	October 2032 .....	8,534,724.93
September 2022 .....	47,392,997.17	October 2027 .....	20,921,570.29	November 2032 .....	8,402,355.53
October 2022 .....	46,845,476.49	November 2027 .....	20,622,462.73	December 2032 .....	8,271,809.44
November 2022 .....	46,301,650.97	December 2027 .....	20,327,321.63	January 2033 .....	8,143,062.94
December 2022 .....	45,761,492.62	January 2028 .....	20,036,096.42	February 2033 .....	8,016,092.60
January 2023 .....	45,224,973.61	February 2028 .....	19,748,737.18	March 2033 .....	7,890,875.30
February 2023 .....	44,692,066.34	March 2028 .....	19,465,194.58	April 2033 .....	7,767,388.19
March 2023 .....	44,162,743.38	April 2028 .....	19,185,419.94	May 2033 .....	7,645,608.72
April 2023 .....	43,636,977.51	May 2028 .....	18,909,365.16	June 2033 .....	7,525,514.64
May 2023 .....	43,114,741.66	June 2028 .....	18,636,982.74	July 2033 .....	7,407,083.94
June 2023 .....	42,596,009.00	July 2028 .....	18,368,225.80	August 2033 .....	7,290,294.94
July 2023 .....	42,080,752.84	August 2028 .....	18,103,048.01	September 2033 .....	7,175,126.19
August 2023 .....	41,568,946.70	September 2028 .....	17,841,403.65	October 2033 .....	7,061,556.53

# Aggregate Group III (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 2033 .....	\$ 6,949,565.08	September 2038 .....	\$ 2,559,757.10	July 2043 .....	\$ 706,525.68
December 2033 .....	6,839,131.19	October 2038 .....	2,511,908.34	August 2043 .....	687,189.69
January 2034 .....	6,730,234.50	November 2038 .....	2,464,767.98	September 2043 .....	668,170.75
February 2034 .....	6,622,854.90	December 2038 .....	2,418,326.48	October 2043 .....	649,464.39
March 2034 .....	6,516,972.53	January 2039 .....	2,372,574.39	November 2043 .....	631,066.19
April 2034 .....	6,412,567.79	February 2039 .....	2,327,502.41	December 2043 .....	612,971.80
May 2034 .....	6,309,621.32	March 2039 .....	2,283,101.35	January 2044 .....	595,176.93
June 2034 .....	6,208,114.00	April 2039 .....	2,239,362.13	February 2044 .....	577,677.33
July 2034 .....	6,108,026.97	May 2039 .....	2,196,275.81	March 2044 .....	560,468.82
August 2034 .....	6,009,341.59	June 2039 .....	2,153,833.55	April 2044 .....	543,547.27
September 2034 .....	5,912,039.47	July 2039 .....	2,112,026.61	May 2044 .....	526,908.61
October 2034 .....	5,816,102.45	August 2039 .....	2,070,846.40	June 2044 .....	510,548.81
November 2034 .....	5,721,512.60	September 2039 .....	2,030,284.39	July 2044 .....	494,463.92
December 2034 .....	5,628,252.20	October 2039 .....	1,990,332.22	August 2044 .....	478,650.01
January 2035 .....	5,536,303.78	November 2039 .....	1,950,981.58	September 2044 .....	463,103.22
February 2035 .....	5,445,650.09	December 2039 .....	1,912,224.31	October 2044 .....	447,819.74
March 2035 .....	5,356,274.08	January 2040 .....	1,874,052.33	November 2044 .....	432,795.82
April 2035 .....	5,268,158.93	February 2040 .....	1,836,457.67	December 2044 .....	418,027.73
May 2035 .....	5,181,288.03	March 2040 .....	1,799,432.48	January 2045 .....	403,511.81
June 2035 .....	5,095,644.99	April 2040 .....	1,762,969.00	February 2045 .....	389,244.46
July 2035 .....	5,011,213.60	May 2040 .....	1,727,059.55	March 2045 .....	375,222.11
August 2035 .....	4,927,977.90	June 2040 .....	1,691,696.58	April 2045 .....	361,441.23
September 2035 .....	4,845,922.10	July 2040 .....	1,656,872.63	May 2045 .....	347,898.36
October 2035 .....	4,765,030.61	August 2040 .....	1,622,580.33	June 2045 .....	334,590.07
November 2035 .....	4,685,288.05	September 2040 .....	1,588,812.40	July 2045 .....	321,512.98
December 2035 .....	4,606,679.25	October 2040 .....	1,555,561.66	August 2045 .....	308,663.76
January 2036 .....	4,529,189.20	November 2040 .....	1,522,821.04	September 2045 .....	296,039.12
February 2036 .....	4,452,803.11	December 2040 .....	1,490,583.54	October 2045 .....	283,635.81
March 2036 .....	4,377,506.35	January 2041 .....	1,458,842.26	November 2045 .....	271,450.62
April 2036 .....	4,303,284.50	February 2041 .....	1,427,590.39	December 2045 .....	259,480.40
May 2036 .....	4,230,123.33	March 2041 .....	1,396,821.19	January 2046 .....	247,722.03
June 2036 .....	4,158,008.75	April 2041 .....	1,366,528.05	February 2046 .....	236,172.43
July 2036 .....	4,086,926.90	May 2041 .....	1,336,704.39	March 2046 .....	224,828.57
August 2036 .....	4,016,864.07	June 2041 .....	1,307,343.77	April 2046 .....	213,687.45
September 2036 .....	3,947,806.71	July 2041 .....	1,278,439.80	May 2046 .....	202,746.11
October 2036 .....	3,879,741.49	August 2041 .....	1,249,986.18	June 2046 .....	192,001.65
November 2036 .....	3,812,655.19	September 2041 .....	1,221,976.70	July 2046 .....	181,451.18
December 2036 .....	3,746,534.82	October 2041 .....	1,194,405.22	August 2046 .....	171,091.86
January 2037 .....	3,681,367.51	November 2041 .....	1,167,265.68	September 2046 .....	160,920.91
February 2037 .....	3,617,140.57	December 2041 .....	1,140,552.11	October 2046 .....	150,935.55
March 2037 .....	3,553,841.48	January 2042 .....	1,114,258.62	November 2046 .....	141,133.06
April 2037 .....	3,491,457.86	February 2042 .....	1,088,379.37	December 2046 .....	131,510.75
May 2037 .....	3,429,977.52	March 2042 .....	1,062,908.64	January 2047 .....	122,065.97
June 2037 .....	3,369,388.39	April 2042 .....	1,037,840.73	February 2047 .....	112,796.11
July 2037 .....	3,309,678.58	May 2042 .....	1,013,170.07	March 2047 .....	103,698.57
August 2037 .....	3,250,836.34	June 2042 .....	988,891.13	April 2047 .....	94,770.82
September 2037 .....	3,192,850.08	July 2042 .....	964,998.45	May 2047 .....	86,010.35
October 2037 .....	3,135,708.34	August 2042 .....	941,486.65	June 2047 .....	77,414.67
November 2037 .....	3,079,399.83	September 2042 .....	918,350.44	July 2047 .....	68,981.33
December 2037 .....	3,023,913.39	October 2042 .....	895,584.56	August 2047 .....	60,707.94
January 2038 .....	2,969,238.00	November 2042 .....	873,183.85	September 2047 .....	52,592.10
February 2038 .....	2,915,362.80	December 2042 .....	851,143.21	October 2047 .....	44,631.47
March 2038 .....	2,862,277.04	January 2043 .....	829,457.59	November 2047 .....	36,823.74
April 2038 .....	2,809,970.15	February 2043 .....	808,122.04	December 2047 .....	29,166.62
May 2038 .....	2,758,431.65	March 2043 .....	787,131.63	January 2048 .....	21,657.86
June 2038 .....	2,707,651.22	April 2043 .....	766,481.54	February 2048 .....	14,295.23
July 2038 .....	2,657,618.67	May 2043 .....	746,166.98	March 2048 .....	7,076.54
August 2038 .....	2,608,323.95	June 2043 .....	726,183.25	April 2048 and thereafter .....	0.00

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\$365,266,663



Guaranteed REMIC  
Pass-Through Certificates

Fannie Mae REMIC Trust 2018-63

PROSPECTUS SUPPLEMENT

Credit Suisse

August 27, 2018