

\$555,144,077



Fannie Mae®

**Guaranteed REMIC Pass-Through Certificates
Fannie Mae REMIC Trust 2019-15**

The Certificates

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

Payments to Certificateholders

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

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

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

The Fannie Mae Guaranty

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

The Trust and its Assets

The trust will own Fannie Mae MBS.

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

Class	Group	Original Class Balance	Principal Type(1)	Interest Rate	Interest Type(1)	CUSIP Number	Final Distribution Date
PF(2) ..	1	\$ 25,110,664	PAC/AD	(3)	FLT	3136B36D7	April 2049
PS	1	25,110,664(4)	NTL	(3)	INV/IO	3136B36E5	April 2049
PA	1	100,000,000	PAC/AD	4.0%	FIX	3136B36F2	February 2049
PZ	1	442,657	PAC/AD	4.0	FIX/Z	3136B36G0	April 2049
CZ(2) ..	1	25,448,811	SUP	4.5	FIX/Z	3136B36H8	April 2049
AB ...	2	113,242,214	SEQ/AD	3.5	FIX	3136B36J4	May 2053
AZ	2	13,237,255	SEQ	3.5	FIX/Z	3136B36K1	April 2059
AI	2	15,809,933(4)	NTL	4.0	FIX/IO	3136B36L9	April 2059
FP(2) ..	3	22,014,245	PAC/AD	(3)	FLT	3136B36M7	April 2049
SP	3	22,014,245(4)	NTL	(3)	INV/IO	3136B36N5	April 2049
PM ...	3	75,000,000	PAC/AD	4.0	FIX	3136B36P0	April 2047
MV(2) .	3	5,236,000	PAC/AD	4.0	FIX	3136B36Q8	March 2032
MZ(2) .	3	7,820,984	PAC/AD	4.0	FIX/Z	3136B36R6	April 2049
ZC(2) .	3	21,565,204	SUP	4.5	FIX/Z	3136B36S4	April 2049
FA	4	73,013,021	PT	(3)	FLT	3136B36T2	April 2049
SA	4	73,013,021(4)	NTL	(3)	INV/IO	3136B36U9	April 2049
P(2) ...	4	57,381,000	PAC/AD	3.5	FIX	3136B36V7	September 2045
ZP	4	6,788,835	PAC	3.5	FIX/Z	3136B36W5	April 2049
CA ...	4	8,398,000	SUP/AD	3.5	FIX	3136B36X3	April 2049
CB	4	442,000	SUP/AD	3.5	FIX	3136B36Y1	April 2049
DZ	4	3,187	SUP	3.5	FIX/Z	3136B36Z8	April 2049
R		0	NPR	0	NPR	3136B37A2	April 2059
RL		0	NPR	0	NPR	3136B37B0	April 2059

- (1) See "Description of the Certificates - Class Definitions and Abbreviations" in the REMIC prospectus.
 (2) Exchangeable classes.
 (3) Based on LIBOR.
 (4) Notional principal balances. These classes are interest only classes. See page S-5 for a description of how their notional principal balances are calculated.

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 ML, AP, IP, BP, CP, DP, Z and F Classes are the RCR classes. For a more detailed description of the RCR classes, see Schedule I 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 March 29, 2019.

Carefully consider the risk factors on page S-7 of this prospectus supplement and starting on page 7 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.

J.P. Morgan

The date of this Prospectus Supplement is March 25, 2019

TABLE OF CONTENTS

	<u>Page</u>		<u>Page</u>
AVAILABLE INFORMATION	S-3	WEIGHTED AVERAGE LIVES OF THE	
SUMMARY	S-4	CERTIFICATES	S-15
ADDITIONAL RISK FACTORS	S-7	DECREMENT TABLES	S-15
DESCRIPTION OF THE CERTIFICATES .	S-7	CHARACTERISTICS OF THE RESIDUAL	
GENERAL	S-7	CLASSES	S-23
<i>Structure</i>	S-7	CERTAIN ADDITIONAL FEDERAL	
<i>Fannie Mae Guaranty</i>	S-8	INCOME TAX CONSEQUENCES	S-23
<i>Characteristics of Certificates</i>	S-8	REMIC ELECTIONS AND SPECIAL TAX	
<i>Authorized Denominations</i>	S-8	ATTRIBUTES	S-23
THE MBS	S-8	TAXATION OF BENEFICIAL OWNERS OF	
DISTRIBUTIONS OF INTEREST	S-9	REGULAR CERTIFICATES	S-23
<i>General</i>	S-9	TAXATION OF BENEFICIAL OWNERS OF	
<i>Delay Classes and No-Delay Classes</i>	S-9	RESIDUAL CERTIFICATES	S-24
<i>Accrual Classes</i>	S-9	TAXATION OF BENEFICIAL OWNERS OF	
DISTRIBUTIONS OF PRINCIPAL	S-9	RCR CERTIFICATES	S-24
STRUCTURING ASSUMPTIONS	S-11	TAX AUDIT PROCEDURES	S-24
<i>Pricing Assumptions</i>	S-11	FOREIGN INVESTORS	S-25
<i>Prepayment Assumptions</i>	S-11	ADDITIONAL ERISA	
<i>Principal Balance Schedules</i>	S-11	CONSIDERATIONS	S-25
YIELD TABLES	S-12	PLAN OF DISTRIBUTION	S-25
<i>General</i>	S-12	EUROPEAN ECONOMIC AREA RISK	
<i>The Inverse Floating Rate Classes</i>	S-13	RETENTION	S-25
<i>The Fixed Rate Interest Only Classes</i>	S-14	LEGAL MATTERS	S-27
		SCHEDULE 1	A-1
		PRINCIPAL BALANCE SCHEDULES ..	B-1

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 Single-Family REMIC Pass-Through Certificates dated November 1, 2018 (the "REMIC Prospectus");
- our Prospectus for Fannie Mae Guaranteed Mortgage 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
1100 15th Street, NW
Washington, D.C. 20005
(telephone 800-2FANNIE).

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

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

J.P. Morgan Securities LLC
c/o Broadridge Financial Solutions
Prospectus Department
1155 Long Island Avenue
Edgewood, NY 11717
(telephone 631-274-2635).

SUMMARY

This summary contains only limited information about the certificates. Statistical information in this summary is provided as of March 1, 2019. 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

Group 1, Group 2, Group 3 and Group 4

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	\$151,002,132	4.50%	4.75% to 7.00%	241 to 360
Group 2 MBS	\$126,479,469	4.00%	4.25% to 6.50%	361 to 480
Group 3 MBS	\$ 57,574,570	4.50%	4.75% to 7.00%	241 to 360
	\$ 74,061,863	4.50%	4.75% to 7.00%	241 to 360
Group 4 MBS	\$113,017,763	5.00%	5.25% to 7.50%	241 to 360
	\$ 33,008,280	5.00%	5.25% to 7.50%	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	\$151,002,132	360	336	22	4.999%
Group 2 MBS	\$126,479,469	480	441	39	4.412%
Group 3 MBS	\$ 57,574,570	360	350	8	5.246%
	\$ 74,061,863	360	350	8	5.328%
Group 4 MBS	\$113,017,763	360	352	2	5.811%
	\$ 33,008,280	360	349	5	5.670%

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 March 29, 2019.

Distribution Dates

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

Record Date

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

Book-Entry and Physical Certificates

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

Fed Book-Entry

All classes of certificates other than the R and RL Classes

Physical

R and RL Classes

Exchanging Certificates Through Combination and Recombination

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

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

Interest Rates

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

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

<u>Class</u>	<u>Initial Interest Rate</u>	<u>Maximum Interest Rate</u>	<u>Minimum Interest Rate</u>	<u>Formula for Calculation of Interest Rate(1)</u>
PF	2.98100%	6.50%	0.50%	LIBOR + 50 basis points
PS	3.51900%	6.00%	0.00%	6% - LIBOR
FP	2.98100%	6.50%	0.50%	LIBOR + 50 basis points
SP	3.51900%	6.00%	0.00%	6% - LIBOR
FA	2.99888%	6.50%	0.50%	LIBOR + 50 basis points
SA	3.50112%	6.00%	0.00%	6% - LIBOR
F	2.98100%	6.50%	0.50%	LIBOR + 50 basis points

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

Notional Classes

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

Class

PS	100%	of the PF Class
AI	12.4999995058%	of the Group 2 MBS
SP	100%	of the FP Class
SA	100%	of the FA Class
IP	10%	of the P Class

Distributions of Principal

For a description of the principal payment priorities, see "Description of the Certificates-Distributions of Principal" in this prospectus supplement.

Weighted Average Lives (years)*

<u>Group 1 Classes</u>	<u>PSA Prepayment Assumption</u>							
	<u>0%</u>	<u>100%</u>	<u>125%</u>	<u>218%</u>	<u>250%</u>	<u>400%</u>	<u>600%</u>	<u>900%</u>
PF and PS	13.8	6.6	6.1	6.1	6.1	4.1	2.6	1.6
PA	13.7	6.4	6.0	6.0	6.0	4.0	2.6	1.6
PZ	24.5	24.6	24.6	24.6	24.6	19.0	13.1	8.1
CZ	26.6	18.9	17.5	5.5	1.7	0.6	0.4	0.2

<u>Group 2 Classes</u>	<u>PSA Prepayment Assumption</u>							
	<u>0%</u>	<u>100%</u>	<u>170%</u>	<u>300%</u>	<u>400%</u>	<u>600%</u>	<u>900%</u>	
AB	22.2	8.0	5.4	3.3	2.5	1.6	0.9	
AZ	37.3	26.2	20.6	13.6	10.4	6.8	4.0	
AI	27.8	11.4	7.9	4.7	3.5	2.2	1.3	

<u>Group 3 Classes</u>	<u>PSA Prepayment Assumption</u>							
	<u>0%</u>	<u>100%</u>	<u>125%</u>	<u>218%</u>	<u>250%</u>	<u>400%</u>	<u>600%</u>	<u>900%</u>
FP and SP	14.0	7.1	6.7	6.7	6.7	4.6	3.2	2.2
PM	12.6	5.5	5.0	5.0	5.0	3.5	2.5	1.8
MV	7.0	7.0	7.0	7.0	7.0	5.9	4.5	3.2
MZ	22.0	16.5	16.5	16.5	16.5	11.6	7.9	5.1
ZC	26.7	19.8	18.4	6.3	2.3	1.1	0.7	0.5
ML	22.0	16.3	16.3	16.3	16.3	11.0	7.3	4.7

<u>Group 4 Classes</u>	<u>PSA Prepayment Assumption</u>							
	<u>0%</u>	<u>100%</u>	<u>175%</u>	<u>210%</u>	<u>250%</u>	<u>400%</u>	<u>700%</u>	<u>1200%</u>
FA and SA	20.2	11.0	8.1	7.2	6.3	4.4	2.8	1.8
P, AP, BP, CP, DP and IP	16.0	7.1	5.1	5.1	5.1	3.7	2.5	1.7
ZP	26.9	18.6	16.2	16.2	16.2	11.4	6.8	3.8
CA	29.2	24.6	16.9	8.9	2.6	1.2	0.7	0.5
CB	30.0	29.1	28.2	26.7	6.5	2.0	1.2	0.7
DZ	30.0	29.3	29.3	29.3	29.3	2.0	1.2	0.7

<u>Group 1/Group 3 Classes †</u>	<u>PSA Prepayment Assumption</u>							
	<u>0%</u>	<u>100%</u>	<u>125%</u>	<u>218%</u>	<u>250%</u>	<u>400%</u>	<u>600%</u>	<u>900%</u>
Z	26.6	19.4	18.0	5.9	2.0	0.8	0.5	0.3
F	13.9	6.8	6.4	6.4	6.4	4.3	2.9	1.9

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

† These classes are RCR Classes formed by combinations of REMIC classes in two different groups. For additional information, see Schedule 1 attached to this prospectus supplement.

ADDITIONAL RISK FACTORS

Recent natural disasters may present a risk of increased mortgage loan defaults. In November 2018, various areas of Northern and Southern California experienced catastrophic damage due to wildfires; in September and October of 2018, areas of the coastal Carolinas and Florida experienced extensive damage as a result of Hurricane Florence and Hurricane Michael, respectively; and 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 damage resulting from the foregoing events, including fire loss, mudslides, 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. In early 2018, ICE stated its intention to continue to administer and quote LIBOR after 2021, possibly employing an alternative methodology. Therefore, no assurance can be given that LIBOR on any date accurately represents the London interbank rate or the rate applicable to actual loans in U.S. dollars for the relevant period between leading European banks, or that the underlying methodology for LIBOR will not change. 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 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 March 1, 2019 (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 four groups of Fannie Mae Guaranteed Mortgage Pass-Through Certificates (the "Group 1 MBS," "Group 2 MBS," "Group 3 MBS" and "Group 4 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."

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

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

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

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

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

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

The MBS

The MBS provide that principal and interest on the related Mortgage Loans are passed through monthly. The Mortgage Loans underlying the MBS are conventional, fixed-rate, fully-amortizing mortgage loans secured by first mortgages or deeds of trust on single-family residential properties. These Mortgage Loans have original maturities of up to 30 years in the case of the Group 1 MBS, Group 3 MBS and Group 4 MBS; and up to 40 years in the case of the Group 2 MBS.

In addition, the pools of Mortgage Loans backing the Group 2 MBS have been designated as pools of "reperforming modified loans" as described further under "The Mortgage Loans-Previously Delinquent Mortgage Loans-Reperforming

Loans" and "-Reperforming Modified Loans" in the MBS Prospectus dated May 1, 2018. These loans are conventional, modified mortgage loans that became delinquent after we initially acquired them but were current as of the issue date of each related MBS. For periodic updates to that description, please refer to the Pool Prefix Glossary available on our Web site at www.fanniemae.com. For additional information about the particular pools underlying the Group 2 MBS, see the Final Data Statement for the Trust and the related prospectus supplement for each MBS. See also "Risk Factors-Risks Relating to Yield and Prepayment-*Mortgage loans that became delinquent after we initially acquired them, and that in some cases may have been modified, may perform differently than do mortgage loans without a history of delinquency*" in the MBS Prospectus dated May 1, 2018.

For additional information, see "Summary- Group 1, Group 2, Group 3 and Group 4 - 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 "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.

Accrual Classes. The PZ, CZ, AZ, MZ, ZC, ZP, DZ and Z Classes are Accrual Classes. Interest will accrue on each Accrual Class at the applicable annual rate specified on the cover of this prospectus supplement and Schedule 1. 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 PZ Accrual Amount to PA until retired, and thereafter to PZ.

The CZ Accrual Amount to Aggregate Group I to its Planned Balance, and thereafter to CZ.

The Group 1 Cash Flow Distribution Amount in the following priority:

1. To Aggregate Group I to its Planned Balance.
2. To CZ until retired.
3. To Aggregate Group I to zero.

The "PZ Accrual Amount" is any interest then accrued and added to the principal balance of the PZ Class.

The "CZ Accrual Amount" is any interest then accrued and added to the principal balance of the CZ Class.

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

"Aggregate Group I" consists of the PF, PA and PZ Classes. On each Distribution Date, we will apply payments of principal of Aggregate Group I as follows:

- 19.999998407% to PF until retired, and
- 80.000001593% to PA and PZ, 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 2*

The AZ Accrual Amount to AB until retired, and thereafter to AZ.

The Group 2 Cash Flow Distribution Amount to AB and AZ, in that order, until retired.

The "AZ Accrual Amount" is any interest then accrued and added to the principal balance of the AZ Class.

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

• *Group 3*

The MZ Accrual Amount to MV until retired, and thereafter to MZ.

The ZC Accrual Amount to Aggregate Group II to its Planned Balance, and thereafter to ZC.

The Group 3 Cash Flow Distribution Amount in the following priority:

1. To Aggregate Group II to its Planned Balance.
2. To ZC until retired.
3. To Aggregate Group II to zero.

The "MZ Accrual Amount" is any interest then accrued and added to the principal balance of the MZ Class.

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

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

"Aggregate Group II" consists of the FP, PM, MV and MZ Classes. On each Distribution Date, we will apply payments of principal of Aggregate Group II as follows:

- 19.999992732% to FP until retired, and
- 80.000007268% to PM, MV, and MZ, in that order, until retired.

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

• *Group 4*

The ZP Accrual Amount to P until retired, and thereafter to ZP.

The DZ Accrual Amount to CA and CB, in that order, until retired, and thereafter to DZ.

The Group 4 Cash Flow Distribution Amount as follows:

- 49.9999996576% to FA until retired, and

- 50.0000003424% as follows:

first, to Aggregate Group III to its Planned Balance;

second, to CA, CB, and DZ, in that order, until retired; and

third, to Aggregate Group III to zero.

The "ZP Accrual Amount" is any interest then accrued and added to the principal balance of the ZP Class.

The "DZ Accrual Amount" is any interest then accrued and added to the principal balance of the DZ Class.

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

"Aggregate Group III" consists of the P and ZP Classes. On each Distribution Date, we will apply payments of principal of Aggregate Group III to P and ZP, 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 (collectively, 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 and Group 4 - 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 March 29, 2019; 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 250% PSA	Between 125% and 250% PSA
Aggregate Group II Planned Balances	Between 125% and 250% PSA	Between 125% and 250% PSA
Aggregate Group III Planned Balances	Between 175% and 250% PSA	Between 175% and 250% PSA

The Aggregate Groups listed above consist of the following Classes:

Aggregate Group I	PF, PA and PZ
Aggregate Group II	FP, PM, MV and MZ
Aggregate Group III	P and ZP

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 having scheduled balances will be supported by one or more other Classes. When the related supporting Class or Classes are 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 notional principal balance reductions on the Certificates are likely to differ from those assumed. This would be the case even if all Mortgage Loans prepay at the indicated constant percentages of PSA. Moreover, it is unlikely that

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

The Inverse Floating Rate Classes. The yields on the Inverse Floating Rate Classes will be sensitive in varying degrees to the rate of principal payments (including prepayments) of the related Mortgage Loans and to the level of the Index. The Mortgage Loans generally can be prepaid at any time without penalty. In addition, the rate of principal payments (including prepayments) of the 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>
PS	14.625000%
SP	14.250000%
SA	16.578125%

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

<u>LIBOR</u>	<u>PSA Prepayment Assumption</u>							
	<u>50%</u>	<u>100%</u>	<u>125%</u>	<u>218%</u>	<u>250%</u>	<u>400%</u>	<u>600%</u>	<u>900%</u>
0.481%	31.4%	26.5%	24.4%	24.4%	24.4%	15.3%	(0.5)%	(28.0)%
2.481%	15.5%	10.7%	9.0%	9.0%	9.0%	(0.6)%	(15.9)%	(42.2)%
4.481%	(2.2)%	(6.2)%	(7.2)%	(7.2)%	(7.2)%	(17.1)%	(31.7)%	(56.8)%
6.000%	*	*	*	*	*	*	*	*

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

<u>LIBOR</u>	<u>PSA Prepayment Assumption</u>							
	<u>50%</u>	<u>100%</u>	<u>125%</u>	<u>218%</u>	<u>250%</u>	<u>400%</u>	<u>600%</u>	<u>900%</u>
0.481%	33.9%	29.9%	28.1%	28.1%	28.1%	21.3%	9.7%	(9.8)%
2.481%	17.5%	13.3%	11.8%	11.8%	11.8%	3.8%	(8.6)%	(29.3)%
4.481%	(0.6)%	(4.5)%	(5.4)%	(5.4)%	(5.4)%	(14.4)%	(27.6)%	(49.7)%
6.000%	*	*	*	*	*	*	*	*

**Sensitivity of the SA 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>175%</u>	<u>210%</u>	<u>250%</u>	<u>400%</u>	<u>700%</u>	<u>1200%</u>
0.49888%	30.8%	28.2%	24.3%	22.5%	20.4%	12.4%	(4.2)%	(34.0)%
2.49888%	17.2%	14.5%	10.5%	8.6%	6.3%	(2.1)%	(20.0)%	(52.6)%
4.49888%	2.8%	0.1%	(4.2)%	(6.2)%	(8.5)%	(17.4)%	(36.7)%	(74.1)%
6.00000%	*	*	*	*	*	*	*	*

The Fixed Rate Interest Only Classes. The yields to investors on 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>
AI	253%
IP	369%

For either 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>
AI	22.00%
IP	19.50%

* 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 AI Class to Prepayments

	<u>PSA Prepayment Assumption</u>							
	<u>50%</u>	<u>100%</u>	<u>170%</u>	<u>300%</u>	<u>400%</u>	<u>600%</u>	<u>900%</u>	
Pre-Tax Yields to Maturity	13.7%	10.4%	5.7%	(3.3)%	(10.6)%	(26.0)%	(52.3)%	

Sensitivity of the IP Class to Prepayments

	<u>PSA Prepayment Assumption</u>							
	<u>50%</u>	<u>100%</u>	<u>175%</u>	<u>210%</u>	<u>250%</u>	<u>400%</u>	<u>700%</u>	<u>1200%</u>
Pre-Tax Yields to Maturity	19.3%	15.0%	7.9%	7.9%	7.9%	(2.3)%	(25.2)%	(58.9)%

Weighted Average Lives of the Certificates

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

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

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

See "-Distributions of Principal" above.

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

Decrement Tables

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

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

<u>Mortgage Loans Backing Trust Assets Specified Below</u>	<u>Original Terms to Maturity</u>	<u>Remaining Terms to Maturity</u>	<u>Interest Rates</u>
Group 1 MBS	360 months	360 months	7.00%
Group 2 MBS	480 months	480 months	6.50%
Group 3 MBS	360 months	360 months	7.00%
Group 4 MBS	360 months	360 months	7.50%

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	PF and PS† Classes								PA Class							
	PSA Prepayment Assumption								PSA Prepayment Assumption							
	0%	100%	125%	218%	250%	400%	600%	900%	0%	100%	125%	218%	250%	400%	600%	900%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
March 2020	98	91	89	89	89	89	79	59	98	90	89	89	89	89	79	59
March 2021	96	81	78	78	78	69	50	27	96	81	78	78	78	69	49	26
March 2022	93	72	68	68	68	51	31	12	93	72	67	67	67	51	31	12
March 2023	91	63	58	58	58	38	20	5	90	63	58	58	58	38	19	5
March 2024	88	55	49	49	49	28	12	2	88	55	49	49	49	28	12	2
March 2025	85	47	41	41	41	21	8	1	85	47	40	40	40	21	7	1
March 2026	82	40	34	34	34	16	5	*	82	39	33	33	33	15	4	0
March 2027	79	33	28	28	28	12	3	*	78	32	27	27	27	11	2	0
March 2028	75	26	23	23	23	8	2	*	75	25	22	22	22	8	1	0
March 2029	71	19	19	19	19	6	1	*	71	19	18	18	18	6	*	0
March 2030	68	15	15	15	15	5	1	*	67	15	15	15	15	4	*	0
March 2031	63	13	13	13	13	3	*	*	63	12	12	12	12	3	0	0
March 2032	59	10	10	10	10	2	*	*	58	10	10	10	10	2	0	0
March 2033	54	8	8	8	8	2	*	*	54	8	8	8	8	1	0	0
March 2034	49	7	7	7	7	1	*	*	49	6	6	6	6	*	0	0
March 2035	44	5	5	5	5	1	*	*	43	5	5	5	5	*	0	0
March 2036	38	4	4	4	4	1	*	*	38	3	3	3	3	0	0	0
March 2037	32	3	3	3	3	*	*	*	32	3	3	3	3	0	0	0
March 2038	26	3	3	3	3	*	*	*	25	2	2	2	2	0	0	0
March 2039	19	2	2	2	2	*	*	*	18	1	1	1	1	0	0	0
March 2040	12	2	2	2	2	*	*	*	11	1	1	1	1	0	0	0
March 2041	4	1	1	1	1	*	*	*	3	*	*	*	*	0	0	0
March 2042	1	1	1	1	1	*	*	0	0	0	0	0	0	0	0	0
March 2043	1	1	1	1	1	*	*	0	0	0	0	0	0	0	0	0
March 2044	*	*	*	*	*	*	*	0	0	0	0	0	0	0	0	0
March 2045	*	*	*	*	*	*	*	0	0	0	0	0	0	0	0	0
March 2046	*	*	*	*	*	*	*	0	0	0	0	0	0	0	0	0
March 2047	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
March 2048	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
March 2049	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)**	13.8	6.6	6.1	6.1	6.1	4.1	2.6	1.6	13.7	6.4	6.0	6.0	6.0	4.0	2.6	1.6

Date	PZ Class								CZ Class							
	PSA Prepayment Assumption								PSA Prepayment Assumption							
	0%	100%	125%	218%	250%	400%	600%	900%	0%	100%	125%	218%	250%	400%	600%	900%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
March 2020	104	104	104	104	104	104	104	104	105	105	105	75	64	16	0	0
March 2021	108	108	108	108	108	108	108	108	109	109	109	54	36	0	0	0
March 2022	113	113	113	113	113	113	113	113	114	114	114	40	17	0	0	0
March 2023	117	117	117	117	117	117	117	117	120	120	120	32	5	0	0	0
March 2024	122	122	122	122	122	122	122	122	125	125	125	29	1	0	0	0
March 2025	127	127	127	127	127	127	127	127	131	131	130	28	0	0	0	0
March 2026	132	132	132	132	132	132	132	132	137	137	137	28	0	0	0	0
March 2027	138	138	138	138	138	138	138	50	143	143	131	27	0	0	0	0
March 2028	143	143	143	143	143	143	143	22	150	150	128	25	0	0	0	0
March 2029	149	149	149	149	149	149	149	10	157	157	122	23	0	0	0	0
March 2030	155	155	155	155	155	155	155	4	164	153	116	21	0	0	0	0
March 2031	161	161	161	161	161	161	98	2	171	145	109	19	0	0	0	0
March 2032	168	168	168	168	168	168	60	1	179	136	101	17	0	0	0	0
March 2033	175	175	175	175	175	175	37	*	188	126	93	15	0	0	0	0
March 2034	182	182	182	182	182	182	22	*	196	116	84	13	0	0	0	0
March 2035	189	189	189	189	189	189	13	*	205	106	76	11	0	0	0	0
March 2036	197	197	197	197	197	148	8	*	215	96	68	10	0	0	0	0
March 2037	205	205	205	205	205	104	5	*	224	85	60	8	0	0	0	0
March 2038	214	214	214	214	214	73	3	*	235	75	52	7	0	0	0	0
March 2039	222	222	222	222	222	51	2	*	246	65	45	6	0	0	0	0
March 2040	231	231	231	231	231	34	1	*	257	56	38	5	0	0	0	0
March 2041	241	241	241	241	241	23	1	*	269	47	31	4	0	0	0	0
March 2042	193	193	193	193	193	15	*	*	257	38	25	3	0	0	0	0
March 2043	135	135	135	135	135	9	*	*	229	30	19	2	0	0	0	0
March 2044	88	88	88	88	88	5	*	*	197	22	14	1	0	0	0	0
March 2045	51	51	51	51	51	3	*	*	164	14	9	1	0	0	0	0
March 2046	22	22	22	22	22	1	*	*	127	7	4	*	0	0	0	0
March 2047	0	0	0	0	0	0	0	0	88	0	0	0	0	0	0	0
March 2048	0	0	0	0	0	0	0	0	46	0	0	0	0	0	0	0
March 2049	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)**	24.5	24.6	24.6	24.6	24.6	19.0	13.1	8.1	26.6	18.9	17.5	5.5	1.7	0.6	0.4	0.2

* Indicates an outstanding balance greater than 0% and less than 0.5% of the original principal balance.

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

† In the case of a Notional Class, the Decrement Table indicates the percentage of the original notional principal balance outstanding.

Date	AB Class							AZ Class						
	PSA Prepayment Assumption							PSA Prepayment Assumption						
	0%	100%	170%	300%	400%	600%	900%	0%	100%	170%	300%	400%	600%	900%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100
March 2020	99	92	87	78	72	59	39	104	104	104	104	104	104	104
March 2021	98	84	75	61	51	32	11	107	107	107	107	107	107	107
March 2022	97	77	65	46	34	15	0	111	111	111	111	111	111	90
March 2023	96	70	56	35	22	4	0	115	115	115	115	115	115	41
March 2024	94	63	47	25	13	0	0	119	119	119	119	119	96	18
March 2025	93	57	40	17	5	0	0	123	123	123	123	123	61	8
March 2026	92	51	33	10	0	0	0	128	128	128	128	127	38	4
March 2027	90	46	27	5	0	0	0	132	132	132	132	95	24	2
March 2028	89	40	21	*	0	0	0	137	137	137	137	71	15	1
March 2029	87	35	16	0	0	0	0	142	142	142	113	53	10	*
March 2030	85	31	12	0	0	0	0	147	147	147	91	39	6	*
March 2031	83	26	8	0	0	0	0	152	152	152	73	29	4	*
March 2032	81	22	4	0	0	0	0	158	158	158	59	22	2	*
March 2033	79	18	*	0	0	0	0	163	163	163	47	16	1	*
March 2034	77	14	0	0	0	0	0	169	169	146	37	12	1	*
March 2035	75	11	0	0	0	0	0	175	175	128	30	9	1	*
March 2036	72	7	0	0	0	0	0	181	181	111	24	7	*	*
March 2037	70	4	0	0	0	0	0	188	188	97	19	5	*	*
March 2038	67	1	0	0	0	0	0	194	194	84	15	4	*	*
March 2039	64	0	0	0	0	0	0	201	180	72	12	3	*	*
March 2040	61	0	0	0	0	0	0	208	163	62	9	2	*	*
March 2041	58	0	0	0	0	0	0	216	146	53	7	1	*	*
March 2042	55	0	0	0	0	0	0	223	130	46	6	1	*	*
March 2043	51	0	0	0	0	0	0	231	116	39	4	1	*	*
March 2044	47	0	0	0	0	0	0	240	102	33	3	1	*	*
March 2045	43	0	0	0	0	0	0	248	90	27	3	*	*	0
March 2046	39	0	0	0	0	0	0	257	78	23	2	*	*	0
March 2047	34	0	0	0	0	0	0	266	67	19	1	*	*	0
March 2048	29	0	0	0	0	0	0	276	57	15	1	*	*	0
March 2049	24	0	0	0	0	0	0	285	48	12	1	*	*	0
March 2050	19	0	0	0	0	0	0	295	39	9	1	*	*	0
March 2051	13	0	0	0	0	0	0	306	31	7	*	*	*	0
March 2052	7	0	0	0	0	0	0	317	24	5	*	*	*	0
March 2053	1	0	0	0	0	0	0	328	17	4	*	*	*	0
March 2054	0	0	0	0	0	0	0	286	10	2	*	*	*	0
March 2055	0	0	0	0	0	0	0	236	4	1	*	*	*	0
March 2056	0	0	0	0	0	0	0	183	0	0	0	0	0	0
March 2057	0	0	0	0	0	0	0	126	0	0	0	0	0	0
March 2058	0	0	0	0	0	0	0	65	0	0	0	0	0	0
March 2059	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)**	22.2	8.0	5.4	3.3	2.5	1.6	0.9	37.3	26.2	20.6	13.6	10.4	6.8	4.0

* 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.

AT† Class							
PSA Prepayment Assumption							
Date	0%	100%	170%	300%	400%	600%	900%
Initial Percent	100	100	100	100	100	100	100
March 2020	99	93	89	81	75	63	45
March 2021	99	86	79	66	56	40	21
March 2022	98	80	70	53	42	25	9
March 2023	98	74	62	43	32	16	4
March 2024	97	69	55	35	24	10	2
March 2025	96	64	49	28	18	6	1
March 2026	95	59	43	23	13	4	*
March 2027	95	55	38	18	10	3	*
March 2028	94	50	33	15	7	2	*
March 2029	93	46	29	12	6	1	*
March 2030	92	43	26	10	4	1	*
March 2031	90	39	23	8	3	*	*
March 2032	89	36	20	6	2	*	*
March 2033	88	33	18	5	2	*	*
March 2034	87	30	15	4	1	*	*
March 2035	85	28	13	3	1	*	*
March 2036	84	25	12	2	1	*	*
March 2037	82	23	10	2	1	*	*
March 2038	80	21	9	2	*	*	*
March 2039	79	19	8	1	*	*	*
March 2040	77	17	7	1	*	*	*
March 2041	74	15	6	1	*	*	*
March 2042	72	14	5	1	*	*	0
March 2043	70	12	4	*	*	*	0
March 2044	67	11	3	*	*	*	0
March 2045	64	9	3	*	*	*	0
March 2046	62	8	2	*	*	*	0
March 2047	58	7	2	*	*	*	0
March 2048	55	6	2	*	*	*	0
March 2049	52	5	1	*	*	*	0
March 2050	48	4	1	*	*	*	0
March 2051	44	3	1	*	*	*	0
March 2052	39	2	1	*	*	*	0
March 2053	35	2	*	*	*	*	0
March 2054	30	1	*	*	*	*	0
March 2055	25	*	*	*	*	0	0
March 2056	19	0	0	0	0	0	0
March 2057	13	0	0	0	0	0	0
March 2058	7	0	0	0	0	0	0
March 2059	0	0	0	0	0	0	0
Weighted Average Life (years)**	27.8	11.4	7.9	4.7	3.5	2.2	1.3

* 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	FP and SP† Classes								PM Class							
	PSA Prepayment Assumption								PSA Prepayment Assumption							
	0%	100%	125%	218%	250%	400%	600%	900%	0%	100%	125%	218%	250%	400%	600%	900%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
March 2020	98	94	93	93	93	93	93	87	98	93	92	92	92	92	92	84
March 2021	96	85	83	83	83	81	65	45	95	83	80	80	80	78	59	35
March 2022	93	76	73	73	73	60	41	20	92	72	68	68	68	54	31	6
March 2023	91	68	63	63	63	45	26	9	89	62	56	56	56	36	13	0
March 2024	88	59	54	54	54	34	16	4	86	52	46	46	46	22	2	0
March 2025	85	52	45	45	45	25	10	2	83	43	36	36	36	12	0	0
March 2026	82	44	38	38	38	19	6	1	79	34	27	27	27	4	0	0
March 2027	79	37	31	31	31	14	4	*	75	26	19	19	19	0	0	0
March 2028	76	30	26	26	26	10	2	*	71	18	13	13	13	0	0	0
March 2029	72	24	21	21	21	8	2	*	67	10	8	8	8	0	0	0
March 2030	68	18	18	18	18	6	1	*	63	3	3	3	3	0	0	0
March 2031	64	14	14	14	14	4	1	*	58	0	0	0	0	0	0	0
March 2032	60	12	12	12	12	3	*	*	53	0	0	0	0	0	0	0
March 2033	55	10	10	10	10	2	*	*	47	0	0	0	0	0	0	0
March 2034	50	8	8	8	8	2	*	*	41	0	0	0	0	0	0	0
March 2035	45	6	6	6	6	1	*	*	35	0	0	0	0	0	0	0
March 2036	39	5	5	5	5	1	*	*	29	0	0	0	0	0	0	0
March 2037	33	4	4	4	4	1	*	*	22	0	0	0	0	0	0	0
March 2038	27	3	3	3	3	*	*	*	14	0	0	0	0	0	0	0
March 2039	20	3	3	3	3	*	*	*	7	0	0	0	0	0	0	0
March 2040	13	2	2	2	2	*	*	*	0	0	0	0	0	0	0	0
March 2041	6	1	1	1	1	*	*	*	0	0	0	0	0	0	0	0
March 2042	1	1	1	1	1	*	*	*	0	0	0	0	0	0	0	0
March 2043	1	1	1	1	1	*	*	*	0	0	0	0	0	0	0	0
March 2044	1	1	1	1	1	*	*	*	0	0	0	0	0	0	0	0
March 2045	*	*	*	*	*	*	*	*	0	0	0	0	0	0	0	0
March 2046	*	*	*	*	*	*	*	*	0	0	0	0	0	0	0	0
March 2047	*	*	*	*	*	*	*	*	0	0	0	0	0	0	0	0
March 2048	*	*	*	*	*	*	*	*	0	0	0	0	0	0	0	0
March 2049	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)**	14.0	7.1	6.7	6.7	6.7	4.6	3.2	2.2	12.6	5.5	5.0	5.0	5.0	3.5	2.5	1.8

Date	MV Class								MZ Class							
	PSA Prepayment Assumption								PSA Prepayment Assumption							
	0%	100%	125%	218%	250%	400%	600%	900%	0%	100%	125%	218%	250%	400%	600%	900%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
March 2020	94	94	94	94	94	94	94	94	104	104	104	104	104	104	104	104
March 2021	88	88	88	88	88	88	88	88	108	108	108	108	108	108	108	108
March 2022	81	81	81	81	81	81	81	81	113	113	113	113	113	113	113	113
March 2023	74	74	74	74	74	74	74	0	117	117	117	117	117	117	117	103
March 2024	67	67	67	67	67	67	67	0	122	122	122	122	122	122	122	46
March 2025	60	60	60	60	60	60	0	0	127	127	127	127	127	127	115	21
March 2026	52	52	52	52	52	52	0	0	132	132	132	132	132	132	72	9
March 2027	44	44	44	44	44	26	0	0	138	138	138	138	138	138	45	4
March 2028	35	35	35	35	35	0	0	0	143	143	143	143	143	115	28	2
March 2029	27	27	27	27	27	0	0	0	149	149	149	149	149	85	17	1
March 2030	18	18	18	18	18	0	0	0	155	155	155	155	155	62	11	*
March 2031	8	1	1	1	1	0	0	0	161	161	161	161	161	46	7	*
March 2032	0	0	0	0	0	0	0	0	167	133	133	133	133	34	4	*
March 2033	0	0	0	0	0	0	0	0	167	108	108	108	108	24	3	*
March 2034	0	0	0	0	0	0	0	0	167	88	88	88	88	18	2	*
March 2035	0	0	0	0	0	0	0	0	167	71	71	71	71	13	1	*
March 2036	0	0	0	0	0	0	0	0	167	57	57	57	57	9	1	*
March 2037	0	0	0	0	0	0	0	0	167	46	46	46	46	7	*	*
March 2038	0	0	0	0	0	0	0	0	167	36	36	36	36	5	*	*
March 2039	0	0	0	0	0	0	0	0	167	28	28	28	28	3	*	*
March 2040	0	0	0	0	0	0	0	0	150	22	22	22	22	2	*	*
March 2041	0	0	0	0	0	0	0	0	65	17	17	17	17	2	*	*
March 2042	0	0	0	0	0	0	0	0	13	13	13	13	13	1	*	*
March 2043	0	0	0	0	0	0	0	0	9	9	9	9	9	1	*	*
March 2044	0	0	0	0	0	0	0	0	6	6	6	6	6	*	*	*
March 2045	0	0	0	0	0	0	0	0	4	4	4	4	4	*	*	*
March 2046	0	0	0	0	0	0	0	0	3	3	3	3	3	*	*	0
March 2047	0	0	0	0	0	0	0	0	1	1	1	1	1	*	*	0
March 2048	0	0	0	0	0	0	0	0	*	*	*	*	*	*	*	0
March 2049	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)**	7.0	7.0	7.0	7.0	7.0	5.9	4.5	3.2	22.0	16.5	16.5	16.5	16.5	11.6	7.9	5.1

* Indicates an outstanding balance greater than 0% and less than 0.5% of the original principal balance.

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

† In the case of a Notional Class, the Decrement Table indicates the percentage of the original notional principal balance outstanding.

Date	ZC Class								ML Class							
	PSA Prepayment Assumption								PSA Prepayment Assumption							
	0%	100%	125%	218%	250%	400%	600%	900%	0%	100%	125%	218%	250%	400%	600%	900%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
March 2020	105	105	105	88	83	56	21	0	100	100	100	100	100	100	100	100
March 2021	109	109	109	67	53	0	0	0	100	100	100	100	100	100	100	100
March 2022	114	114	114	49	28	0	0	0	100	100	100	100	100	100	100	100
March 2023	120	120	120	38	12	0	0	0	100	100	100	100	100	100	100	62
March 2024	125	125	125	31	3	0	0	0	100	100	100	100	100	100	100	28
March 2025	131	131	131	29	*	0	0	0	100	100	100	100	100	100	69	13
March 2026	137	137	135	29	*	0	0	0	100	100	100	100	100	100	43	6
March 2027	143	143	136	28	*	0	0	0	100	100	100	100	100	93	27	3
March 2028	150	150	134	27	*	0	0	0	100	100	100	100	100	69	17	1
March 2029	157	157	130	25	*	0	0	0	100	100	100	100	100	51	10	1
March 2030	164	163	125	23	*	0	0	0	100	100	100	100	100	37	6	*
March 2031	171	156	118	21	*	0	0	0	100	97	97	97	97	27	4	**
March 2032	179	148	110	19	*	0	0	0	100	79	79	79	79	20	2	*
March 2033	188	138	102	17	*	0	0	0	100	65	65	65	65	15	2	*
March 2034	196	129	94	15	*	0	0	0	100	53	53	53	53	11	1	*
March 2035	205	118	85	13	*	0	0	0	100	43	43	43	43	8	1	*
March 2036	215	108	77	11	*	0	0	0	100	34	34	34	34	6	*	*
March 2037	224	98	69	10	*	0	0	0	100	27	27	27	27	4	*	*
March 2038	235	87	61	8	*	0	0	0	100	22	22	22	22	3	*	*
March 2039	246	77	53	7	*	0	0	0	100	17	17	17	17	2	*	*
March 2040	257	67	46	6	*	0	0	0	90	13	13	13	13	1	*	*
March 2041	269	58	39	5	*	0	0	0	39	10	10	10	10	1	*	*
March 2042	263	48	32	4	*	0	0	0	8	8	8	8	8	1	*	*
March 2043	234	40	26	3	*	0	0	0	6	6	6	6	6	*	*	*
March 2044	202	31	20	2	*	0	0	0	4	4	4	4	4	*	*	*
March 2045	168	23	15	1	*	0	0	0	3	3	3	3	3	*	*	0
March 2046	130	15	10	1	*	0	0	0	2	2	2	2	2	*	*	0
March 2047	90	8	5	*	*	0	0	0	1	1	1	1	1	*	*	0
March 2048	47	1	1	*	*	0	0	0	*	*	*	*	*	*	*	0
March 2049	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)**	26.7	19.8	18.4	6.3	2.3	1.1	0.7	0.5	22.0	16.3	16.3	16.3	16.3	11.0	7.3	4.7

Date	FA and SA† Classes								P, AP, BP, CP, DP and IP† Classes							
	PSA Prepayment Assumption								PSA Prepayment Assumption							
	0%	100%	175%	210%	250%	400%	700%	1200%	0%	100%	175%	210%	250%	400%	700%	1200%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
March 2020	99	97	95	95	94	91	86	76	98	96	94	94	94	94	94	85
March 2021	98	91	87	85	83	75	59	37	97	88	83	83	83	82	63	34
March 2022	97	85	77	73	70	56	34	10	95	79	69	69	69	58	30	*
March 2023	96	78	68	63	58	42	20	3	93	71	57	57	57	40	11	0
March 2024	95	72	59	54	49	31	11	1	91	62	46	46	46	26	*	0
March 2025	93	67	52	46	40	23	6	*	89	55	36	36	36	15	0	0
March 2026	92	61	46	40	34	17	4	*	86	47	28	28	28	7	0	0
March 2027	90	56	40	34	28	13	2	*	84	41	20	20	20	1	0	0
March 2028	89	52	35	29	23	10	1	*	81	34	13	13	13	0	0	0
March 2029	87	47	30	25	19	7	1	*	78	28	8	8	8	0	0	0
March 2030	85	43	26	21	16	5	*	*	75	22	3	3	3	0	0	0
March 2031	83	39	23	18	13	4	*	*	72	16	0	0	0	0	0	0
March 2032	80	36	20	15	11	3	*	*	68	11	0	0	0	0	0	0
March 2033	78	32	17	13	9	2	*	*	65	6	0	0	0	0	0	0
March 2034	75	29	15	10	7	1	*	*	61	1	0	0	0	0	0	0
March 2035	73	26	12	9	6	1	*	0	56	0	0	0	0	0	0	0
March 2036	70	23	11	7	5	1	*	0	52	0	0	0	0	0	0	0
March 2037	66	21	9	6	4	1	*	0	47	0	0	0	0	0	0	0
March 2038	63	18	7	5	3	*	*	0	41	0	0	0	0	0	0	0
March 2039	59	16	6	4	2	*	*	0	36	0	0	0	0	0	0	0
March 2040	55	14	5	3	2	*	*	0	30	0	0	0	0	0	0	0
March 2041	50	11	4	2	1	*	*	0	23	0	0	0	0	0	0	0
March 2042	46	10	3	2	1	*	*	0	16	0	0	0	0	0	0	0
March 2043	40	8	3	1	1	*	*	0	9	0	0	0	0	0	0	0
March 2044	35	6	2	1	1	*	*	0	1	0	0	0	0	0	0	0
March 2045	29	5	1	1	*	*	*	0	0	0	0	0	0	0	0	0
March 2046	22	3	1	*	*	*	*	0	0	0	0	0	0	0	0	0
March 2047	16	2	*	*	*	*	*	0	0	0	0	0	0	0	0	0
March 2048	8	*	*	*	*	*	*	0	0	0	0	0	0	0	0	0
March 2049	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)**	20.2	11.0	8.1	7.2	6.3	4.4	2.8	1.8	16.0	7.1	5.1	5.1	5.1	3.7	2.5	1.7

* 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	ZP Class								CA Class							
	PSA Prepayment Assumption								PSA Prepayment Assumption							
	0%	100%	175%	210%	250%	400%	700%	1200%	0%	100%	175%	210%	250%	400%	700%	1200%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
March 2020	104	104	104	104	104	104	104	104	100	100	100	94	88	64	16	0
March 2021	107	107	107	107	107	107	107	107	100	100	100	83	63	0	0	0
March 2022	111	111	111	111	111	111	111	111	100	100	100	70	36	0	0	0
March 2023	115	115	115	115	115	115	115	31	100	100	100	60	17	0	0	0
March 2024	119	119	119	119	119	119	119	8	100	100	100	54	5	0	0	0
March 2025	123	123	123	123	123	123	68	2	100	100	100	50	0	0	0	0
March 2026	128	128	128	128	128	128	39	1	100	100	100	48	0	0	0	0
March 2027	132	132	132	132	132	132	22	*	100	100	99	47	0	0	0	0
March 2028	137	137	137	137	137	103	12	*	100	100	97	45	0	0	0	0
March 2029	142	142	142	142	142	76	7	*	100	100	93	42	0	0	0	0
March 2030	147	147	147	147	147	56	4	*	100	100	87	39	0	0	0	0
March 2031	152	152	140	140	140	41	2	*	100	100	81	35	0	0	0	0
March 2032	158	158	115	115	115	30	1	*	100	100	74	31	0	0	0	0
March 2033	163	163	94	94	94	22	1	*	100	100	67	28	0	0	0	0
March 2034	169	169	76	76	76	16	*	*	100	100	60	24	0	0	0	0
March 2035	175	149	62	62	62	12	*	*	100	100	53	21	0	0	0	0
March 2036	181	119	50	50	50	8	*	*	100	100	46	17	0	0	0	0
March 2037	188	90	40	40	40	6	*	0	100	100	40	14	0	0	0	0
March 2038	194	64	32	32	32	4	*	0	100	100	34	11	0	0	0	0
March 2039	201	39	25	25	25	3	*	0	100	100	28	9	0	0	0	0
March 2040	208	19	19	19	19	2	*	0	100	97	23	7	0	0	0	0
March 2041	216	15	15	15	15	1	*	0	100	82	18	4	0	0	0	0
March 2042	223	11	11	11	11	1	*	0	100	69	14	2	0	0	0	0
March 2043	231	8	8	8	8	1	*	0	100	56	10	1	0	0	0	0
March 2044	240	6	6	6	6	*	*	0	100	43	6	0	0	0	0	0
March 2045	181	4	4	4	4	*	*	0	100	31	3	0	0	0	0	0
March 2046	111	2	2	2	2	*	*	0	100	19	*	0	0	0	0	0
March 2047	37	1	1	1	1	*	*	0	100	8	0	0	0	0	0	0
March 2048	*	*	*	*	*	*	*	0	65	0	0	0	0	0	0	0
March 2049	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)**	26.9	18.6	16.2	16.2	16.2	11.4	6.8	3.8	29.2	24.6	16.9	8.9	2.6	1.2	0.7	0.5

Date	CB Class								DZ Class							
	PSA Prepayment Assumption								PSA Prepayment Assumption							
	0%	100%	175%	210%	250%	400%	700%	1200%	0%	100%	175%	210%	250%	400%	700%	1200%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
March 2020	100	100	100	100	100	100	100	0	104	104	104	104	104	104	104	0
March 2021	100	100	100	100	100	0	0	0	107	107	107	107	107	0	0	0
March 2022	100	100	100	100	100	0	0	0	111	111	111	111	111	0	0	0
March 2023	100	100	100	100	100	0	0	0	115	115	115	115	115	0	0	0
March 2024	100	100	100	100	100	0	0	0	119	119	119	119	119	0	0	0
March 2025	100	100	100	100	60	0	0	0	123	123	123	123	123	0	0	0
March 2026	100	100	100	100	6	0	0	0	128	128	128	128	128	0	0	0
March 2027	100	100	100	100	2	0	0	0	132	132	132	132	132	0	0	0
March 2028	100	100	100	100	2	0	0	0	137	137	137	137	137	0	0	0
March 2029	100	100	100	100	2	0	0	0	142	142	142	142	142	0	0	0
March 2030	100	100	100	100	2	0	0	0	147	147	147	147	147	0	0	0
March 2031	100	100	100	100	2	0	0	0	152	152	152	152	152	0	0	0
March 2032	100	100	100	100	1	0	0	0	158	158	158	158	158	0	0	0
March 2033	100	100	100	100	1	0	0	0	163	163	163	163	163	0	0	0
March 2034	100	100	100	100	1	0	0	0	169	169	169	169	169	0	0	0
March 2035	100	100	100	100	1	0	0	0	175	175	175	175	175	0	0	0
March 2036	100	100	100	100	1	0	0	0	181	181	181	181	181	0	0	0
March 2037	100	100	100	100	1	0	0	0	188	188	188	188	188	0	0	0
March 2038	100	100	100	100	1	0	0	0	194	194	194	194	194	0	0	0
March 2039	100	100	100	100	1	0	0	0	201	201	201	201	201	0	0	0
March 2040	100	100	100	100	1	0	0	0	208	208	208	208	208	0	0	0
March 2041	100	100	100	100	1	0	0	0	216	216	216	216	216	0	0	0
March 2042	100	100	100	100	1	0	0	0	223	223	223	223	223	0	0	0
March 2043	100	100	100	100	1	0	0	0	231	231	231	231	231	0	0	0
March 2044	100	100	100	86	1	0	0	0	240	240	240	240	240	0	0	0
March 2045	100	100	100	61	1	0	0	0	248	248	248	248	248	0	0	0
March 2046	100	100	100	40	1	0	0	0	257	257	257	257	257	0	0	0
March 2047	100	100	55	21	1	0	0	0	266	266	266	266	266	0	0	0
March 2048	100	54	12	5	1	0	0	0	276	276	276	276	276	0	0	0
March 2049	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)**	30.0	29.1	28.2	26.7	6.5	2.0	1.2	0.7	30.0	29.3	29.3	29.3	29.3	2.0	1.2	0.7

* 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.

Date	Z Class								F Class							
	PSA Prepayment Assumption								PSA Prepayment Assumption							
	0%	100%	125%	218%	250%	400%	600%	900%	0%	100%	125%	218%	250%	400%	600%	900%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
March 2020	105	105	105	81	73	34	10	0	98	92	91	91	91	91	86	72
March 2021	109	109	109	60	44	0	0	0	96	83	80	80	80	74	57	35
March 2022	114	114	114	44	22	0	0	0	93	74	70	70	70	56	36	16
March 2023	120	120	120	35	8	0	0	0	91	65	60	60	60	41	22	7
March 2024	125	125	125	30	2	0	0	0	88	57	51	51	51	31	14	3
March 2025	131	131	131	29	*	0	0	0	85	49	43	43	43	23	9	1
March 2026	137	137	134	28	0	0	0	0	82	42	35	35	35	17	6	1
March 2027	143	143	133	27	0	0	0	0	79	35	29	29	29	13	3	*
March 2028	150	150	131	26	0	0	0	0	75	28	24	24	24	9	2	*
March 2029	157	157	126	24	0	0	0	0	72	21	20	20	20	7	1	*
March 2030	164	158	120	22	0	0	0	0	68	16	16	16	16	5	1	*
March 2031	171	150	113	20	0	0	0	0	64	13	13	13	13	4	1	*
March 2032	179	141	105	18	0	0	0	0	59	11	11	11	11	3	*	*
March 2033	188	132	97	16	0	0	0	0	55	9	9	9	9	2	*	*
March 2034	196	122	89	14	0	0	0	0	50	7	7	7	7	1	*	*
March 2035	205	112	80	12	0	0	0	0	44	6	6	6	6	1	*	*
March 2036	215	101	72	11	0	0	0	0	39	5	5	5	5	1	*	*
March 2037	224	91	64	9	0	0	0	0	33	4	4	4	4	1	*	*
March 2038	235	81	56	8	0	0	0	0	26	3	3	3	3	*	*	*
March 2039	246	71	49	6	0	0	0	0	20	2	2	2	2	*	*	*
March 2040	257	61	41	5	0	0	0	0	13	2	2	2	2	*	*	*
March 2041	269	52	35	4	0	0	0	0	5	1	1	1	1	*	*	*
March 2042	260	43	28	3	0	0	0	0	1	1	1	1	1	*	*	0
March 2043	231	34	22	2	*	0	0	0	1	1	1	1	1	*	*	0
March 2044	200	26	17	2	*	0	0	0	*	*	*	*	*	*	*	0
March 2045	166	18	11	1	*	0	0	0	*	*	*	*	*	*	*	0
March 2046	129	11	7	1	*	0	0	0	*	*	*	*	*	*	*	0
March 2047	89	4	2	*	0	0	0	0	*	*	*	*	*	*	*	0
March 2048	46	1	*	*	0	0	0	0	*	*	*	*	*	*	*	0
March 2049	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average																
Life (years)**	26.6	19.4	18.0	5.9	2.0	0.8	0.5	0.3	13.9	6.8	6.4	6.4	6.4	4.3	2.9	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.

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 interest" in each REMIC 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

As described under "Material Federal Income Tax Consequences-Taxation of Beneficial Owners of Regular Certificates-Treatment of Original Issue Discount" in the REMIC Prospectus, a Regular Certificate that is an Accrual Class, Notional Class or Principal Only Class will be treated as issued with original issue discount ("OID"). In addition, certain other Classes of Regular 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. In addition, certain Classes of Regular 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 any OID will be as follows:

<u>Group</u>	<u>Prepayment Assumption</u>
1	218% PSA
2	170% PSA
3	218% PSA
4	210% 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 particular 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. Although this rule generally applies to the Regular Certificates, the IRS has issued Notice 2018-80, stating its intention to exclude market discount from the application of this rule. 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 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. The ML, Z and F Classes of RCR Certificates are Combination RCR Certificates. The remaining Classes of RCR Certificates are Strip RCR Certificates. See "Material Federal Income Tax Consequences-Taxation of Beneficial Owners of RCR Certificates" in the REMIC Prospectus for a general discussion of the federal income tax treatment of beneficial owners of RCR Certificates.

Tax Audit Procedures

The Bipartisan Budget Act of 2015, which was enacted on November 2, 2015, repeals and replaces the rules applicable to certain administrative and judicial proceedings regarding a 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

As set forth under "Material Federal Income Tax Consequences-Foreign Investors-FATCA" in the REMIC Prospectus, FATCA withholding is scheduled to be imposed, beginning on January 1, 2019, on gross proceeds from the sale or other disposition of Regular Certificates paid to certain persons. However, on December 13, 2018, the IRS released proposed regulations which, if finalized, would eliminate FATCA withholding on gross proceeds to such persons from the sale or other disposition of Regular Certificates. The IRS will permit taxpayers to rely on this aspect of the proposed regulations until final regulations are issued. You should consult your own tax advisor regarding the potential application and impact of FATCA 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 J.P. Morgan Securities 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.

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 the risk retention provisions of relevant European Economic Area ("EEA") legislation, specifically Regulation (EU) 2017/2402 and its related and implementing or supplementary legislation and technical standards, as amended from time to time (the "Securitisation Regulation"), 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 Securitisation Regulation applies to the Transaction, investors subject to the Securitisation Regulation may wish to consider the guidance appearing in the preamble to the draft regulatory technical standards contained in the European Banking Authority's Final Draft Regulatory Technical Standards specifying the requirements for originators, sponsors and original lenders relating to risk retention pursuant to Article 6(7) of the Securitisation Regulation of July 31, 2018, which provides in relevant part: "Where an entity exclusively securitises assets consisting of its own liabilities, alignment of interests is established automatically for that securitisation. 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 Securitisation Regulation, at the origination and on an ongoing basis, so long as any certificates remain outstanding:

- we will, as originator (for purposes of the Securitisation Regulation), 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 Securitisation Regulation; 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 Securitisation Regulation 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 an institutional investor as defined in Article 2(12) of the Securitisation Regulation.

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. Prospective investors are themselves responsible for monitoring and assessing the Securitisation Regulation and their regulatory capital 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. Cleary Gottlieb Steen & Hamilton LLP will provide legal representation for the Dealer.

Available Recombinations(1)

<u>REMIC Certificates</u>		<u>RCR Certificates</u>						
<u>Classes</u>	<u>Original Balances</u>	<u>RCR Classes</u>	<u>Original Balances</u>	<u>Principal Type(2)</u>	<u>Interest Rate</u>	<u>Interest Type(2)</u>	<u>CUSIP Number</u>	<u>Final Distribution Date</u>
Recombination 1								
MV	\$ 5,236,000	ML (3)	\$ 13,056,984	PAC/AD	4.000%	FIX	3136B37C8	April 2049
MZ	7,820,984							
Recombination 2								
P	57,381,000	AP	57,381,000	PAC/AD	3.000	FIX	3136B37D6	September 2045
		IP	5,738,100 (4)	NTL	5.000	FIX/IO	3136B37H7	September 2045
Recombination 3								
P	57,381,000	BP	57,381,000	PAC/AD	3.125	FIX	3136B37E4	September 2045
		IP	4,303,575 (4)	NTL	5.000	FIX/IO	3136B37H7	September 2045
Recombination 4								
P	57,381,000	CP	57,381,000	PAC/AD	3.250	FIX	3136B37F1	September 2045
		IP	2,869,050 (4)	NTL	5.000	FIX/IO	3136B37H7	September 2045
Recombination 5								
P	57,381,000	DP	57,381,000	PAC/AD	3.375	FIX	3136B37G9	September 2045
		IP	1,434,525 (4)	NTL	5.000	FIX/IO	3136B37H7	September 2045
Recombination 6								
CZ	25,448,811	Z (5)	47,014,015	SUP	4.500	FIX/Z	3136B37J3	April 2049
ZC	21,565,204							

<u>REMIC Certificates</u>		<u>RCR Certificates</u>						
<u>Classes</u>	<u>Original Balances</u>	<u>RCR Classes</u>	<u>Original Balances</u>	<u>Principal Type(2)</u>	<u>Interest Rate</u>	<u>Interest Type(2)</u>	<u>CUSIP Number</u>	<u>Final Distribution Date</u>
Recombination 7								
PF	\$ 25,110,664	F (6)	\$ 47,124,909	PAC/AD	(7)	FLT	3136B37K0	April 2049
FP	22,014,245							

- (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) Principal payments on the REMIC Certificates in Recombination 1 from the MZ Accrual Amount will be paid as interest on the related RCR Certificates, and thus will not reduce the principal balances of those RCR Certificates.
- (4) Notional principal balance. This Class is an Interest Only Class. See page S-5 for a description of how its notional principal balance is calculated.
- (5) The Z Class is an RCR Class formed by a combination of the CZ Class in Group 1 and the ZC Class in Group 3.
- (6) The F Class is an RCR Class formed by a combination of the PF Class in Group 1 and the FP Class in Group 3.
- (7) For a description of this interest rate, see "Summary-Interest Rates" in this prospectus supplement.

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	\$ 125,553,321.00	February 2024	\$ 62,369,178.45	January 2029	\$ 24,516,688.08
April 2019	124,508,785.92	March 2024	61,460,683.87	February 2029	24,118,582.86
May 2019	123,435,725.53	April 2024	60,557,276.23	March 2029	23,726,471.07
June 2019	122,334,672.80	May 2024	59,658,917.04	April 2029	23,340,266.13
July 2019	121,206,177.50	June 2024	58,765,568.04	May 2029	22,959,882.68
August 2019	120,050,805.69	July 2024	57,877,191.21	June 2029	22,585,236.55
September 2019	118,869,139.20	August 2024	56,993,748.76	July 2029	22,216,244.77
October 2019	117,661,775.06	September 2024	56,115,203.13	August 2029	21,852,825.54
November 2019	116,429,325.00	October 2024	55,249,058.48	September 2029	21,494,898.20
December 2019	115,204,329.43	November 2024	54,395,604.81	October 2029	21,142,383.54
January 2020	113,986,735.18	December 2024	53,554,661.69	November 2029	20,795,202.28
February 2020	112,776,489.47	January 2025	52,726,051.21	December 2029	20,453,278.03
March 2020	111,573,539.80	February 2025	51,909,597.94	January 2030	20,116,534.30
April 2020	110,377,834.03	March 2025	51,105,128.89	February 2030	19,784,895.98
May 2020	109,189,320.34	April 2025	50,312,473.51	March 2030	19,458,239.00
June 2020	108,007,947.23	May 2025	49,531,463.60	April 2030	19,136,640.36
July 2020	106,833,663.51	June 2025	48,761,933.33	May 2030	18,819,878.09
August 2020	105,666,418.34	July 2025	48,003,719.19	June 2030	18,507,931.23
September 2020	104,506,161.17	August 2025	47,256,659.93	July 2030	18,200,729.81
October 2020	103,352,841.78	September 2025	46,520,596.59	August 2030	17,898,204.88
November 2020	102,206,410.25	October 2025	45,795,372.39	September 2030	17,600,288.45
December 2020	101,066,816.98	November 2025	45,080,832.78	October 2030	17,306,913.48
January 2021	99,934,012.69	December 2025	44,376,825.35	November 2030	17,018,013.91
February 2021	98,807,948.38	January 2026	43,683,199.81	December 2030	16,733,524.57
March 2021	97,688,575.38	February 2026	42,999,808.00	January 2031	16,453,381.26
April 2021	96,575,845.31	March 2026	42,326,503.82	February 2031	16,177,520.65
May 2021	95,469,710.09	April 2026	41,663,143.21	March 2031	15,905,880.34
June 2021	94,370,121.95	May 2026	41,009,584.13	April 2031	15,638,398.80
July 2021	93,277,033.40	June 2026	40,365,686.53	May 2031	15,375,015.36
August 2021	92,190,397.27	July 2026	39,731,312.31	June 2031	15,115,670.24
September 2021	91,110,166.65	August 2026	39,106,325.32	July 2031	14,860,304.47
October 2021	90,036,294.95	September 2026	38,490,591.31	August 2031	14,608,859.94
November 2021	88,968,735.85	October 2026	37,883,977.90	September 2031	14,361,279.37
December 2021	87,907,443.33	November 2026	37,286,354.58	October 2031	14,117,506.28
January 2022	86,852,371.64	December 2026	36,697,592.66	November 2031	13,877,484.99
February 2022	85,803,475.34	January 2027	36,117,565.26	December 2031	13,641,160.62
March 2022	84,760,709.24	February 2027	35,546,147.27	January 2032	13,408,479.07
April 2022	83,724,028.45	March 2027	34,983,215.33	February 2032	13,179,387.00
May 2022	82,693,388.35	April 2027	34,428,647.84	March 2032	12,953,831.83
June 2022	81,668,744.59	May 2027	33,882,324.86	April 2032	12,731,761.73
July 2022	80,650,053.11	June 2027	33,344,128.17	May 2032	12,513,125.61
August 2022	79,637,270.12	July 2027	32,813,941.20	June 2032	12,297,873.10
September 2022	78,630,352.07	August 2027	32,291,649.00	July 2032	12,085,954.55
October 2022	77,629,255.72	September 2027	31,777,138.24	August 2032	11,877,321.02
November 2022	76,633,938.07	October 2027	31,270,297.20	September 2032	11,671,924.26
December 2022	75,644,356.40	November 2027	30,771,015.71	October 2032	11,469,716.71
January 2023	74,660,468.24	December 2027	30,279,185.14	November 2032	11,270,651.48
February 2023	73,682,231.39	January 2028	29,794,698.42	December 2032	11,074,682.37
March 2023	72,709,603.91	February 2028	29,317,449.94	January 2033	10,881,763.81
April 2023	71,742,544.10	March 2028	28,847,335.61	February 2033	10,691,850.90
May 2023	70,781,010.54	April 2028	28,384,252.78	March 2033	10,504,899.37
June 2023	69,824,962.06	May 2028	27,928,100.26	April 2033	10,320,865.59
July 2023	68,874,357.74	June 2028	27,478,778.27	May 2033	10,139,706.53
August 2023	67,929,156.89	July 2028	27,036,188.44	June 2033	9,961,379.81
September 2023	66,989,319.10	August 2028	26,600,233.79	July 2033	9,785,843.63
October 2023	66,054,804.19	September 2028	26,170,818.69	August 2033	9,613,056.79
November 2023	65,125,572.23	October 2028	25,747,848.87	September 2033	9,442,978.69
December 2023	64,201,583.55	November 2028	25,331,231.37	October 2033	9,275,569.28
January 2024	63,282,798.69	December 2028	24,920,874.56	November 2033	9,110,789.12

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>
December 2033	\$ 8,948,599.32	June 2038	\$ 3,149,518.22	December 2042	\$ 818,705.55
January 2034	8,788,961.53	July 2038	3,083,500.15	January 2043	793,445.25
February 2034	8,631,837.97	August 2038	3,018,591.09	February 2043	768,657.84
March 2034	8,477,191.39	September 2038	2,954,774.08	March 2043	744,335.73
April 2034	8,324,985.07	October 2038	2,892,032.37	April 2043	720,471.43
May 2034	8,175,182.83	November 2038	2,830,349.47	May 2043	697,057.54
June 2034	8,027,749.00	December 2038	2,769,709.14	June 2043	674,086.82
July 2034	7,882,648.41	January 2039	2,710,095.36	July 2043	651,552.09
August 2034	7,739,846.41	February 2039	2,651,492.35	August 2043	629,446.31
September 2034	7,599,308.84	March 2039	2,593,884.57	September 2043	607,762.53
October 2034	7,461,002.03	April 2039	2,537,256.69	October 2043	586,493.90
November 2034	7,324,892.79	May 2039	2,481,593.62	November 2043	565,633.70
December 2034	7,190,948.41	June 2039	2,426,880.48	December 2043	545,175.29
January 2035	7,059,136.66	July 2039	2,373,102.61	January 2044	525,112.12
February 2035	6,929,425.75	August 2039	2,320,245.58	February 2044	505,437.76
March 2035	6,801,784.35	September 2039	2,268,295.15	March 2044	486,145.87
April 2035	6,676,181.61	October 2039	2,217,237.29	April 2044	467,230.21
May 2035	6,552,587.09	November 2039	2,167,058.20	May 2044	448,684.61
June 2035	6,430,970.80	December 2039	2,117,744.25	June 2044	430,503.03
July 2035	6,311,303.17	January 2040	2,069,282.03	July 2044	412,679.49
August 2035	6,193,555.08	February 2040	2,021,658.33	August 2044	395,208.13
September 2035	6,077,697.81	March 2040	1,974,860.13	September 2044	378,083.15
October 2035	5,963,703.06	April 2040	1,928,874.58	October 2044	361,298.84
November 2035	5,851,542.93	May 2040	1,883,689.05	November 2044	344,849.61
December 2035	5,741,189.93	June 2040	1,839,291.08	December 2044	328,729.92
January 2036	5,632,616.96	July 2040	1,795,668.41	January 2045	312,934.33
February 2036	5,525,797.32	August 2040	1,752,808.92	February 2045	297,457.47
March 2036	5,420,704.69	September 2040	1,710,700.72	March 2045	282,294.07
April 2036	5,317,313.12	October 2040	1,669,332.06	April 2045	267,438.92
May 2036	5,215,597.04	November 2040	1,628,691.38	May 2045	252,886.90
June 2036	5,115,531.27	December 2040	1,588,767.28	June 2045	238,632.98
July 2036	5,017,090.96	January 2041	1,549,548.54	July 2045	224,672.18
August 2036	4,920,251.64	February 2041	1,511,024.09	August 2045	210,999.61
September 2036	4,824,989.18	March 2041	1,473,183.04	September 2045	197,610.47
October 2036	4,731,279.82	April 2041	1,436,014.65	October 2045	184,500.00
November 2036	4,639,100.12	May 2041	1,399,508.35	November 2045	171,663.54
December 2036	4,548,426.99	June 2041	1,363,653.71	December 2045	159,096.49
January 2037	4,459,237.68	July 2041	1,328,440.47	January 2046	146,794.31
February 2037	4,371,509.76	August 2041	1,293,858.51	February 2046	134,752.57
March 2037	4,285,221.13	September 2041	1,259,897.88	March 2046	122,966.85
April 2037	4,200,349.99	October 2041	1,226,548.74	April 2046	111,432.85
May 2037	4,116,874.90	November 2041	1,193,801.44	May 2046	100,146.30
June 2037	4,034,774.69	December 2041	1,161,646.44	June 2046	89,103.02
July 2037	3,954,028.50	January 2042	1,130,074.36	July 2046	78,298.87
August 2037	3,874,615.81	February 2042	1,099,075.95	August 2046	67,729.79
September 2037	3,796,516.35	March 2042	1,068,642.11	September 2046	57,391.78
October 2037	3,719,710.17	April 2042	1,038,763.86	October 2046	47,280.91
November 2037	3,644,177.62	May 2042	1,009,432.36	November 2046	37,393.30
December 2037	3,569,899.30	June 2042	980,638.90	December 2046	27,725.12
January 2038	3,496,856.13	July 2042	952,374.91	January 2047	18,272.62
February 2038	3,425,029.28	August 2042	924,631.93	February 2047	9,032.10
March 2038	3,354,400.20	September 2042	897,401.65	March 2047 and thereafter	0.00
April 2038	3,284,950.63	October 2042	870,675.85		
May 2038	3,216,662.56	November 2042	844,446.47		

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	\$110,071,229.00	July 2019	\$107,951,566.27	November 2019	\$105,397,414.70
April 2019	109,582,868.19	August 2019	107,353,131.22	December 2019	104,693,008.03
May 2019	109,066,665.22	September 2019	106,727,775.53	January 2020	103,962,877.15
June 2019	108,522,824.02	October 2019	106,075,773.07	February 2020	103,207,362.41

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>
March 2020	\$102,426,820.07	April 2025	\$ 48,961,420.62	May 2030	\$ 18,663,575.40
April 2020	101,621,622.03	May 2025	48,213,420.94	June 2030	18,361,346.65
May 2020	100,792,155.48	June 2025	47,476,296.72	July 2030	18,063,649.16
June 2020	99,938,822.59	July 2025	46,749,894.27	August 2030	17,770,417.73
July 2020	99,062,040.09	August 2025	46,034,062.03	September 2030	17,481,588.07
August 2020	98,162,238.98	September 2025	45,328,650.52	October 2030	17,197,096.83
September 2020	97,239,864.08	October 2025	44,633,512.38	November 2030	16,916,881.51
October 2020	96,295,373.61	November 2025	43,948,502.27	December 2030	16,640,880.51
November 2020	95,329,238.82	December 2025	43,273,476.87	January 2031	16,369,033.09
December 2020	94,341,943.55	January 2026	42,608,294.86	February 2031	16,101,279.36
January 2021	93,333,983.73	February 2026	41,952,816.88	March 2031	15,837,560.28
February 2021	92,331,988.53	March 2026	41,306,905.52	April 2031	15,577,817.64
March 2021	91,335,915.27	April 2026	40,670,425.27	May 2031	15,321,994.04
April 2021	90,345,721.54	May 2026	40,043,242.51	June 2031	15,070,032.89
May 2021	89,361,365.19	June 2026	39,425,225.46	July 2031	14,821,878.41
June 2021	88,382,804.34	July 2026	38,816,244.20	August 2031	14,577,475.58
July 2021	87,409,997.37	August 2026	38,216,170.61	September 2031	14,336,770.19
August 2021	86,442,902.90	September 2026	37,624,878.35	October 2031	14,099,708.75
September 2021	85,481,479.83	October 2026	37,042,242.83	November 2031	13,866,238.57
October 2021	84,525,687.31	November 2026	36,468,141.21	December 2031	13,636,307.66
November 2021	83,575,484.72	December 2026	35,902,452.36	January 2032	13,409,864.79
December 2021	82,630,831.72	January 2027	35,345,056.83	February 2032	13,186,859.45
January 2022	81,691,688.21	February 2027	34,795,836.84	March 2032	12,967,241.82
February 2022	80,758,014.33	March 2027	34,254,676.23	April 2032	12,750,962.82
March 2022	79,829,770.48	April 2027	33,721,460.49	May 2032	12,537,974.02
April 2022	78,906,917.30	May 2027	33,196,076.70	June 2032	12,328,227.70
May 2022	77,989,415.67	June 2027	32,678,413.48	July 2032	12,121,676.82
June 2022	77,077,226.70	July 2027	32,168,361.05	August 2032	11,918,274.97
July 2022	76,170,311.77	August 2027	31,665,811.13	September 2032	11,717,976.44
August 2022	75,268,632.47	September 2027	31,170,656.97	October 2032	11,520,736.13
September 2022	74,372,150.64	October 2027	30,682,793.29	November 2032	11,326,509.59
October 2022	73,480,828.35	November 2027	30,202,116.28	December 2032	11,135,253.00
November 2022	72,594,627.91	December 2027	29,728,523.60	January 2033	10,946,923.16
December 2022	71,713,511.86	January 2028	29,261,914.33	February 2033	10,761,477.47
January 2023	70,837,442.96	February 2028	28,802,188.93	March 2033	10,578,873.95
February 2023	69,966,384.21	March 2028	28,349,249.30	April 2033	10,399,071.19
March 2023	69,100,298.84	April 2028	27,902,998.66	May 2033	10,222,028.40
April 2023	68,239,150.30	May 2028	27,463,341.62	June 2033	10,047,705.33
May 2023	67,382,902.26	June 2028	27,030,184.10	July 2033	9,876,062.33
June 2023	66,531,518.62	July 2028	26,603,433.35	August 2033	9,707,060.28
July 2023	65,684,963.49	August 2028	26,182,997.90	September 2033	9,540,660.65
August 2023	64,843,201.22	September 2028	25,768,787.57	October 2033	9,376,825.43
September 2023	64,006,196.36	October 2028	25,360,713.44	November 2033	9,215,517.16
October 2023	63,173,913.69	November 2028	24,958,687.82	December 2033	9,056,698.91
November 2023	62,346,318.19	December 2028	24,562,624.27	January 2034	8,900,334.26
December 2023	61,523,375.06	January 2029	24,172,437.53	February 2034	8,746,387.32
January 2024	60,705,049.73	February 2029	23,788,043.57	March 2034	8,594,822.72
February 2024	59,891,307.81	March 2029	23,409,359.50	April 2034	8,445,605.56
March 2024	59,082,115.15	April 2029	23,036,303.61	May 2034	8,298,701.46
April 2024	58,277,437.78	May 2029	22,668,795.32	June 2034	8,154,076.53
May 2024	57,477,241.96	June 2029	22,306,755.20	July 2034	8,011,697.35
June 2024	56,681,494.14	July 2029	21,950,104.92	August 2034	7,871,530.97
July 2024	55,890,160.99	August 2029	21,598,767.23	September 2034	7,733,544.92
August 2024	55,103,209.37	September 2029	21,252,665.99	October 2034	7,597,707.18
September 2024	54,320,606.33	October 2029	20,911,726.11	November 2034	7,463,986.21
October 2024	53,542,319.15	November 2029	20,575,873.57	December 2034	7,332,350.89
November 2024	52,768,315.28	December 2029	20,245,035.36	January 2035	7,202,770.54
December 2024	51,998,562.40	January 2030	19,919,139.51	February 2035	7,075,214.96
January 2025	51,233,028.34	February 2030	19,598,115.07	March 2035	6,949,654.32
February 2025	50,471,681.16	March 2030	19,281,892.07	April 2035	6,826,059.26
March 2025	49,714,489.11	April 2030	18,970,401.51	May 2035	6,704,400.82

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>
June 2035	\$ 6,584,650.45	October 2039	\$ 2,399,940.64	February 2044	\$ 654,592.22
July 2035	6,466,780.02	November 2039	2,349,447.00	March 2044	634,467.09
August 2035	6,350,761.79	December 2039	2,299,798.32	April 2044	614,715.71
September 2035	6,236,568.41	January 2040	2,250,981.74	May 2044	595,332.10
October 2035	6,124,172.93	February 2040	2,202,984.56	June 2044	576,310.40
November 2035	6,013,548.79	March 2040	2,155,794.29	July 2044	557,644.80
December 2035	5,904,669.80	April 2040	2,109,398.59	August 2044	539,329.62
January 2036	5,797,510.13	May 2040	2,063,785.33	September 2044	521,359.23
February 2036	5,692,044.36	June 2040	2,018,942.54	October 2044	503,728.09
March 2036	5,588,247.38	July 2040	1,974,858.42	November 2044	486,430.77
April 2036	5,486,094.48	August 2040	1,931,521.37	December 2044	469,461.87
May 2036	5,385,561.29	September 2040	1,888,919.91	January 2045	452,816.13
June 2036	5,286,623.78	October 2040	1,847,042.78	February 2045	436,488.32
July 2036	5,189,258.27	November 2040	1,805,878.86	March 2045	420,473.32
August 2036	5,093,441.43	December 2040	1,765,417.17	April 2045	404,766.07
September 2036	4,999,150.24	January 2041	1,725,646.93	May 2045	389,361.58
October 2036	4,906,362.03	February 2041	1,686,557.50	June 2045	374,254.96
November 2036	4,815,054.44	March 2041	1,648,138.38	July 2045	359,441.36
December 2036	4,725,205.45	April 2041	1,610,379.25	August 2045	344,916.04
January 2037	4,636,793.33	May 2041	1,573,269.93	September 2045	330,674.31
February 2037	4,549,796.68	June 2041	1,536,800.38	October 2045	316,711.54
March 2037	4,464,194.40	July 2041	1,500,960.72	November 2045	303,023.19
April 2037	4,379,965.69	August 2041	1,465,741.20	December 2045	289,604.78
May 2037	4,297,090.06	September 2041	1,431,132.24	January 2046	276,451.89
June 2037	4,215,547.30	October 2041	1,397,124.36	February 2046	263,560.19
July 2037	4,135,317.50	November 2041	1,363,708.26	March 2046	250,925.39
August 2037	4,056,381.02	December 2041	1,330,874.74	April 2046	238,543.28
September 2037	3,978,718.53	January 2042	1,298,614.77	May 2046	226,409.69
October 2037	3,902,310.95	February 2042	1,266,919.42	June 2046	214,520.56
November 2037	3,827,139.50	March 2042	1,235,779.91	July 2046	202,871.84
December 2037	3,753,185.64	April 2042	1,205,187.58	August 2046	191,459.56
January 2038	3,680,431.12	May 2042	1,175,133.91	September 2046	180,279.84
February 2038	3,608,857.94	June 2042	1,145,610.50	October 2046	169,328.81
March 2038	3,538,448.37	July 2042	1,116,609.06	November 2046	158,602.69
April 2038	3,469,184.93	August 2042	1,088,121.43	December 2046	148,097.74
May 2038	3,401,050.38	September 2042	1,060,139.59	January 2047	137,810.29
June 2038	3,334,027.76	October 2042	1,032,655.60	February 2047	127,736.73
July 2038	3,268,100.32	November 2042	1,005,661.67	March 2047	117,873.48
August 2038	3,203,251.57	December 2042	979,150.11	April 2047	108,217.04
September 2038	3,139,465.25	January 2043	953,113.35	May 2047	98,763.95
October 2038	3,076,725.34	February 2043	927,543.92	June 2047	89,510.80
November 2038	3,015,016.05	March 2043	902,434.47	July 2047	80,454.25
December 2038	2,954,321.82	April 2043	877,777.76	August 2047	71,591.00
January 2039	2,894,627.31	May 2043	853,566.65	September 2047	62,917.78
February 2039	2,835,917.40	June 2043	829,794.11	October 2047	54,431.41
March 2039	2,778,177.20	July 2043	806,453.21	November 2047	46,128.73
April 2039	2,721,392.02	August 2043	783,537.13	December 2047	38,006.64
May 2039	2,665,547.39	September 2043	761,039.14	January 2048	30,062.07
June 2039	2,610,629.06	October 2043	738,952.63	February 2048	22,292.03
July 2039	2,556,622.97	November 2043	717,271.06	March 2048	14,693.54
August 2039	2,503,515.27	December 2043	695,988.01	April 2048	7,263.69
September 2039	2,451,292.31	January 2044	675,097.14	May 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	\$ 64,169,835.00	August 2019	\$ 63,161,756.61	January 2020	\$ 61,625,067.99
April 2019	64,011,294.05	September 2019	62,896,087.45	February 2020	61,256,264.26
May 2019	63,831,123.40	October 2019	62,609,395.45	March 2020	60,867,520.81
June 2019	63,629,405.68	November 2019	62,301,859.70	April 2020	60,459,109.44
July 2019	63,406,242.94	December 2019	61,973,678.27	May 2020	60,031,319.72

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>
June 2020	\$ 59,584,458.66	July 2025	\$ 27,620,439.18	August 2030	\$ 10,643,465.54
July 2020	59,118,850.40	August 2025	27,221,734.74	September 2030	10,472,020.10
August 2020	58,634,835.77	September 2025	26,826,978.96	October 2030	10,303,125.56
September 2020	58,132,771.94	October 2025	26,436,134.26	November 2030	10,136,745.47
October 2020	57,613,031.97	November 2025	26,049,163.40	December 2030	9,972,843.91
November 2020	57,076,004.38	December 2025	25,666,029.53	January 2031	9,811,385.43
December 2020	56,522,092.64	January 2026	25,286,696.10	February 2031	9,652,335.11
January 2021	55,951,714.69	February 2026	24,911,126.94	March 2031	9,495,658.49
February 2021	55,365,302.40	March 2026	24,539,286.18	April 2031	9,341,321.60
March 2021	54,763,301.08	April 2026	24,171,138.31	May 2031	9,189,290.95
April 2021	54,146,168.82	May 2026	23,806,648.16	June 2031	9,039,533.51
May 2021	53,518,888.96	June 2026	23,445,780.86	July 2031	8,892,016.73
June 2021	52,881,814.41	July 2026	23,088,501.89	August 2031	8,746,708.48
July 2021	52,235,307.09	August 2026	22,734,777.04	September 2031	8,603,577.12
August 2021	51,595,096.67	September 2026	22,386,027.71	October 2031	8,462,591.43
September 2021	50,961,123.66	October 2026	22,042,341.85	November 2031	8,323,720.62
October 2021	50,333,329.14	November 2026	21,703,648.12	December 2031	8,186,934.34
November 2021	49,711,654.72	December 2026	21,369,876.13	January 2032	8,052,202.68
December 2021	49,096,042.57	January 2027	21,040,956.51	February 2032	7,919,496.13
January 2022	48,486,435.38	February 2027	20,716,820.83	March 2032	7,788,785.58
February 2022	47,882,776.40	March 2027	20,397,401.61	April 2032	7,660,042.37
March 2022	47,285,009.38	April 2027	20,082,632.30	May 2032	7,533,238.21
April 2022	46,693,078.63	May 2027	19,772,447.29	June 2032	7,408,345.20
May 2022	46,106,928.94	June 2027	19,466,781.85	July 2032	7,285,335.86
June 2022	45,526,505.65	July 2027	19,165,572.17	August 2032	7,164,183.07
July 2022	44,951,754.58	August 2027	18,868,755.32	September 2032	7,044,860.10
August 2022	44,382,622.07	September 2027	18,576,269.25	October 2032	6,927,340.60
September 2022	43,819,054.96	October 2027	18,288,052.74	November 2032	6,811,598.58
October 2022	43,261,000.58	November 2027	18,004,045.46	December 2032	6,697,608.42
November 2022	42,708,406.76	December 2027	17,724,187.89	January 2033	6,585,344.86
December 2022	42,161,221.81	January 2028	17,448,421.35	February 2033	6,474,782.99
January 2023	41,619,394.52	February 2028	17,176,687.96	March 2033	6,365,898.26
February 2023	41,082,874.17	March 2028	16,908,930.65	April 2033	6,258,666.44
March 2023	40,551,610.49	April 2028	16,645,093.14	May 2033	6,153,063.68
April 2023	40,025,553.70	May 2028	16,385,119.95	June 2033	6,049,066.42
May 2023	39,504,654.48	June 2028	16,128,956.34	July 2033	5,946,651.47
June 2023	38,988,863.97	July 2028	15,876,548.36	August 2033	5,845,795.94
July 2023	38,478,133.75	August 2028	15,627,842.78	September 2033	5,746,477.28
August 2023	37,972,415.88	September 2028	15,382,787.13	October 2033	5,648,673.24
September 2023	37,471,662.83	October 2028	15,141,329.66	November 2033	5,552,361.90
October 2023	36,975,827.56	November 2028	14,903,419.35	December 2033	5,457,521.64
November 2023	36,484,863.44	December 2028	14,669,005.88	January 2034	5,364,131.13
December 2023	35,998,724.26	January 2029	14,438,039.62	February 2034	5,272,169.37
January 2024	35,517,364.29	February 2029	14,210,471.66	March 2034	5,181,615.63
February 2024	35,040,738.17	March 2029	13,986,253.73	April 2034	5,092,449.49
March 2024	34,568,801.01	April 2029	13,765,338.26	May 2034	5,004,650.80
April 2024	34,101,508.31	May 2029	13,547,678.35	June 2034	4,918,199.71
May 2024	33,638,816.01	June 2029	13,333,227.72	July 2034	4,833,076.65
June 2024	33,180,680.43	July 2029	13,121,940.75	August 2034	4,749,262.30
July 2024	32,727,058.32	August 2029	12,913,772.46	September 2034	4,666,737.65
August 2024	32,277,906.83	September 2029	12,708,678.50	October 2034	4,585,483.93
September 2024	31,833,183.51	October 2029	12,506,615.12	November 2034	4,505,482.65
October 2024	31,392,846.31	November 2029	12,307,539.20	December 2034	4,426,715.57
November 2024	30,956,853.56	December 2029	12,111,408.19	January 2035	4,349,164.71
December 2024	30,525,163.99	January 2030	11,918,180.17	February 2035	4,272,812.35
January 2025	30,097,736.71	February 2030	11,727,813.79	March 2035	4,197,641.02
February 2025	29,674,531.22	March 2030	11,540,268.25	April 2035	4,123,633.50
March 2025	29,255,507.39	April 2030	11,355,503.36	May 2035	4,050,772.79
April 2025	28,840,625.47	May 2030	11,173,479.47	June 2035	3,979,042.15
May 2025	28,429,846.07	June 2030	10,994,157.48	July 2035	3,908,425.08
June 2025	28,023,130.19	July 2030	10,817,498.84	August 2035	3,838,905.31

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>
September 2035	\$ 3,770,466.79	December 2039	\$ 1,400,856.95	March 2044	\$ 386,934.57
October 2035	3,703,093.70	January 2040	1,371,292.61	April 2044	374,808.82
November 2035	3,636,770.46	February 2040	1,342,217.89	May 2044	362,905.06
December 2035	3,571,481.69	March 2040	1,313,625.40	June 2044	351,219.78
January 2036	3,507,212.25	April 2040	1,285,507.87	July 2044	339,749.54
February 2036	3,443,947.18	May 2040	1,257,858.13	August 2044	328,490.94
March 2036	3,381,671.76	June 2040	1,230,669.09	September 2044	317,440.64
April 2036	3,320,371.48	July 2040	1,203,933.80	October 2044	306,595.34
May 2036	3,260,032.02	August 2040	1,177,645.37	November 2044	295,951.79
June 2036	3,200,639.27	September 2040	1,151,797.05	December 2044	285,506.77
July 2036	3,142,179.32	October 2040	1,126,382.16	January 2045	275,257.19
August 2036	3,084,638.45	November 2040	1,101,394.11	February 2045	265,199.88
September 2036	3,028,003.16	December 2040	1,076,826.44	March 2045	255,331.81
October 2036	2,972,260.11	January 2041	1,052,672.75	April 2045	245,649.95
November 2036	2,917,396.17	February 2041	1,028,926.75	May 2045	236,151.34
December 2036	2,863,398.38	March 2041	1,005,582.23	June 2045	226,833.06
January 2037	2,810,253.99	April 2041	982,633.08	July 2045	217,692.21
February 2037	2,757,950.40	May 2041	960,073.27	August 2045	208,725.96
March 2037	2,706,475.21	June 2041	937,896.87	September 2045	199,931.50
April 2037	2,655,816.19	July 2041	916,098.01	October 2045	191,306.10
May 2037	2,605,961.29	August 2041	894,670.94	November 2045	182,847.02
June 2037	2,556,898.61	September 2041	873,609.97	December 2045	174,551.60
July 2037	2,508,616.45	October 2041	852,909.49	January 2046	166,417.19
August 2037	2,461,103.26	November 2041	832,563.99	February 2046	158,441.21
September 2037	2,414,347.65	December 2041	812,568.02	March 2046	150,621.09
October 2037	2,368,338.40	January 2042	792,916.22	April 2046	142,954.31
November 2037	2,323,064.46	February 2042	773,603.31	May 2046	135,438.40
December 2037	2,278,514.91	March 2042	754,624.08	June 2046	128,070.91
January 2038	2,234,679.01	April 2042	735,973.40	July 2046	120,849.43
February 2038	2,191,546.16	May 2042	717,646.22	August 2046	113,771.59
March 2038	2,149,105.92	June 2042	699,637.54	September 2046	106,835.05
April 2038	2,107,348.00	July 2042	681,942.46	October 2046	100,037.52
May 2038	2,066,262.24	August 2042	664,556.14	November 2046	93,376.71
June 2038	2,025,838.65	September 2042	647,473.81	December 2046	86,850.40
July 2038	1,986,067.36	October 2042	630,690.77	January 2047	80,456.40
August 2038	1,946,938.65	November 2042	614,202.40	February 2047	74,192.52
September 2038	1,908,442.96	December 2042	598,004.12	March 2047	68,056.64
October 2038	1,870,570.82	January 2043	582,091.44	April 2047	62,046.66
November 2038	1,833,312.93	February 2043	566,459.92	May 2047	56,160.51
December 2038	1,796,660.13	March 2043	551,105.22	June 2047	50,396.14
January 2039	1,760,603.36	April 2043	536,023.01	July 2047	44,751.54
February 2039	1,725,133.71	May 2043	521,209.07	August 2047	39,224.75
March 2039	1,690,242.40	June 2043	506,659.21	September 2047	33,813.80
April 2039	1,655,920.77	July 2043	492,369.32	October 2047	28,516.78
May 2039	1,622,160.27	August 2043	478,335.33	November 2047	23,331.80
June 2039	1,588,952.50	September 2043	464,553.27	December 2047	18,257.00
July 2039	1,556,289.16	October 2043	451,019.18	January 2048	13,290.54
August 2039	1,524,162.08	November 2043	437,729.19	February 2048	8,430.62
September 2039	1,492,563.21	December 2043	424,679.47	March 2048	3,675.46
October 2039	1,461,484.59	January 2044	411,866.26	April 2048 and thereafter	0.00
November 2039	1,430,918.41	February 2044	399,285.85		

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

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

\$555,144,077



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**Guaranteed REMIC
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Fannie Mae REMIC Trust 2019-15

PROSPECTUS SUPPLEMENT

TABLE OF CONTENTS

	Page
Table of Contents	S-2
Available Information	S-3
Summary	S-4
Additional Risk Factors	S-7
Description of the Certificates	S-7
Certain Additional Federal Income Tax Consequences	S-23
Additional ERISA Considerations	S-25
Plan of Distribution	S-25
European Economic Area Risk Retention	S-25
Legal Matters	S-27
Schedule 1	A-1
Principal Balance Schedules	B-1

J.P. Morgan

March 25, 2019
