Prospectus Supplement
(To REMIC Prospectus dated June 1, 2014)

$549,712,589

Fannie Mae

Guaranteed REMIC Pass-Through Certificates
Fannie Mae REMIC Trust 2017-102

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*
JM	1	$ 15,000,000	PAC/AD	3.0%	FIX	3136B0ED4	December 2047
JB(2) . . .	1	34,966,900	PAC/AD	3.0	FIX	3136B0EE2	December 2047
IJ(2)	1	7,138,128(3)	NTL	3.5	FIX/IO	3136B0EF9	December 2047
ZH	1	8,062,689	SUP	3.5	FIX/Z	3136B0EG7	December 2047
PB	2	50,000,000	PAC/AD	3.5	FIX	3136B0EH5	October 2046
PY	2	4,461,000	PAC/AD	3.5	FIX	3136B0EJ1	December 2047
Z(2)	2	5,629,000	SUP	3.5	FIX/Z	3136B0EK8	December 2047
PL(2) . . .	3	200,000,000	PAC/AD	2.8	FIX	3136B0EL6	June 2046
PI(2) . . .	3	40,000,000(3)	NTL	3.5	FIX/IO	3136B0EM4	June 2046
PZ	3	8,077,000	PAC/AD	3.5	FIX/Z	3136B0EN2	December 2047
ZL(2) . . .	3	23,516,000	SUP	3.5	FIX/Z	3136B0EP7	December 2047

(Table continued on next page)

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 JA, PM, PD, PE, PA, P, CP, PG, LP, AP, PH, ZP and IO Classes are the RCR classes. For a more detailed description of the RCR classes, see Schedule 1 attached to this prospectus supplement and "Description of the Certificates—Combination and Recombination—RCR Certificates" in the REMIC prospectus.

The dealer will offer the certificates from time to time in negotiated transactions at varying prices. We expect the settlement date to be November 30, 2017.

Carefully consider the risk factors on page S-7 of this prospectus supplement and starting on page 14 of the REMIC prospectus. Unless you understand and are able to tolerate these risks, you should not invest in the certificates.

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

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

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

RBC Capital Markets

November 22, 2017

Class	Group	Original Class Balance	Principal Type(1)	Interest Rate	Interest Type(1)	CUSIP Number	Final Distribution Date
BP(2) . .	4	$ 86,134,000	PAC/AD	2.8%	FIX	3136B0EQ5	August 2046
IP(2) . . .	4	4,921,942(3)	NTL	3.5	FIX/IO	3136B0ER3	August 2046
GZ	4	3,712,000	PAC/AD	3.0	FIX/Z	3136B0ES1	December 2047
KP(2) . .	4	76,893,000	PAC/AD	3.0	FIX	3136B0ET9	November 2045
KL(2) . .	4	12,953,000	PAC/AD	3.0	FIX	3136B0EU6	December 2047
KI(2) . . .	4	25,670,285(3)	NTL	3.5	FIX/IO	3136B0EV4	December 2047
ZM	4	20,308,000	SUP	3.5	FIX/Z	3136B0EW2	December 2047
R		0	NPR	0	NPR	3136B0EX0	December 2047
RL		0	NPR	0	NPR	3136B0EY8	December 2047

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

(2) Exchangeable classes.

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

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AVAILABLE INFORMATION

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

- our Prospectus for Fannie Mae Guaranteed REMIC Pass-Through Certificates dated June 1, 2014 (the "REMIC Prospectus");
- our Prospectus for Fannie Mae Guaranteed Pass-Through Certificates (Single-Family Residential Mortgage Loans) dated
  - June 1, 2016, for all MBS issued on or after June 1, 2016,
  - October 1, 2014, for all MBS issued on or after October 1, 2014 and prior to June 1, 2016,
  - March 1, 2013, for all MBS issued on or after March 1, 2013 and prior to October 1, 2014,
  - February 1, 2012, for all MBS issued on or after February 1, 2012 and prior to March 1, 2013,
  - July 1, 2011, for all MBS issued on or after July 1, 2011 and prior to February 1, 2012,
  - June 1, 2009, for all MBS issued on or after January 1, 2009 and prior to July 1, 2011,
  - April 1, 2008, for all MBS issued on or after June 1, 2007 and prior to January 1, 2009, or
  - January 1, 2006, for all other MBS

  (as applicable, the "MBS Prospectus"); and
- any information incorporated by reference in this prospectus supplement as discussed below and under the heading "Incorporation by Reference" in the REMIC Prospectus.

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

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

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

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

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

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

RBC Capital Markets, LLC
Three World Financial Center
200 Vesey Street, 8th Floor
New York, New York 10281
(telephone 212-428-7940).

SUMMARY

This summary contains only limited information about the certificates. Statistical information in this summary is provided as of November 1, 2017. You should purchase the certificates only after reading this prospectus supplement and each of the additional disclosure documents listed on page S-3. In particular, please see the discussion of risk factors that appears in each of those additional disclosure documents.

Assets Underlying Each Group of Classes

Group	Assets
1	Group 1 MBS
2	Group 2 MBS
3	Group 3 MBS
4	Group 4 MBS

Group 1, Group 2, Group 3 and Group 4

Characteristics of the MBS

	Approximate Principal Balance	Pass-Through Rate	Range of Weighted Average Coupons or WACs (annual percentages)	Range of Weighted Average Remaining Terms to Maturity or WAMs (in months)
Group 1 MBS	$ 58,029,589	3.50%	3.75% to 6.00%	241 to 360
Group 2 MBS	$ 60,090,000	3.50%	3.75% to 6.00%	241 to 360
Group 3 MBS	$231,593,000	3.50%	3.75% to 6.00%	241 to 360
Group 4 MBS	$200,000,000	3.50%	3.75% to 6.00%	241 to 360

Assumed Characteristics of the Underlying Mortgage Loans

	Principal Balance	Original Term to Maturity (in months)	Remaining Term to Maturity (in months)	Loan Age (in months)	Interest Rate
Group 1 MBS	$ 58,029,589	360	358	2	4.136%
Group 2 MBS	$ 60,090,000	360	358	1	4.195%
Group 3 MBS	$231,593,000	360	358	2	4.136%
Group 4 MBS	$200,000,000	360	358	2	4.136%

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

Settlement Date

We expect to issue the certificates on November 30, 2017.

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	Physical
All classes of certificates other than the R and RL Classes	R and RL Classes

Exchanging Certificates Through Combination and Recombination

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

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

Interest Rates

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

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	
IJ	14.2857131421% of the *sum* of the JM and JB Classes
PI	20% of the PL Class
IP	5.7142847192% of the BP Class
KI	28.5714277764% of the *sum* of the KP and KL Classes
IO	2.8571423596% of the BP Class *plus* 17.142857% of the PL 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)*

Group 1 Classes	PSA Prepayment Assumption 0%	100%	125%	175%	225%	400%	600%	900%
JM, JB, IJ and JA	15.0	7.8	7.3	7.3	7.3	4.8	3.5	2.5
ZH	27.4	20.8	19.1	11.5	2.9	1.3	0.9	0.7

Group 2 Classes	PSA Prepayment Assumption 0%	100%	145%	150%	180%	220%	225%	400%	600%	900%
PB	15.5	7.4	6.2	6.1	6.1	6.1	6.1	4.0	3.0	2.3
PY	25.9	20.3	20.3	20.3	20.3	20.3	20.1	13.0	8.9	5.8
Z	28.2	22.6	18.8	18.5	13.0	2.9	2.6	1.2	0.8	0.6

Group 3 Classes	PSA Prepayment Assumption 0%	100%	145%	150%	180%	220%	225%	400%	600%	900%
PL, PI, PM, PD, PE, PA and P	15.1	7.4	6.3	6.3	6.3	6.3	6.3	4.2	3.1	2.3
PZ	25.6	21.0	21.0	21.0	21.0	21.0	20.7	14.1	9.8	6.4
ZL	28.1	22.2	18.6	18.5	12.3	2.8	2.6	1.1	0.8	0.6

Group 4 Classes	PSA Prepayment Assumption 0%	100%	145%	150%	180%	220%	225%	400%	600%	900%
ZM	28.1	22.2	18.6	18.5	12.3	2.8	2.6	1.1	0.8	0.6
BP, IP, CP, PG, LP and AP	15.1	7.4	6.3	6.3	6.3	6.3	6.3	4.2	3.1	2.3
GZ	25.6	21.0	21.0	21.0	21.0	21.0	20.8	14.1	9.8	6.4
KP	14.6	6.6	5.5	5.5	5.5	5.5	5.4	3.6	2.7	2.1
KL	25.1	18.0	17.8	17.8	17.8	17.8	17.5	11.2	7.6	5.0
KI and PH	16.1	8.3	7.3	7.3	7.3	7.3	7.2	4.7	3.4	2.5

Group 2/Group 3 Class†	PSA Prepayment Assumption 0%	100%	145%	150%	180%	220%	225%	400%	600%	900%
ZP	28.1	22.3	18.7	18.5	12.4	2.8	2.6	1.1	0.8	0.6

Group 3/Group 4 Class†	PSA Prepayment Assumption 0%	100%	145%	150%	180%	220%	225%	400%	600%	900%
IO	15.1	7.4	6.3	6.3	6.3	6.3	6.3	4.2	3.1	2.3

* 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 FACTOR

Recent natural disasters may present a risk of increased mortgage loan defaults. In late summer 2017, Hurricane Harvey, Hurricane Irma and Hurricane Maria resulted in catastrophic damage to extensive areas of the Southeastern United States (including coastal Texas and Louisiana and coastal and inland Florida and Georgia), Puerto Rico and the U.S. Virgin Islands. Also, in October 2017, various areas of Northern California were affected by wildfires. The full extent of the physical damage resulting from the foregoing events, including severe flooding, high winds and environmental contamination or fire, as applicable, 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.

DESCRIPTION OF THE CERTIFICATES

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

General

Structure. We will create the Fannie Mae REMIC Trust specified on the cover of this prospectus supplement (the “Trust”) pursuant to a trust agreement dated as of May 1, 2010 and a supplement thereto dated as of November 1, 2017 (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."

REMIC Designation	Assets	Regular Interests	Residual Interest
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:

Classes	Denominations
Interest Only Classes	$100,000 minimum plus whole dollar increments
All other Classes (except the R and RL Classes)	$1,000 minimum plus whole dollar increments

The MBS

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

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

For additional information, see "Summary—Group 1, Group 2, 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.

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

Delay Classes	No-Delay Classes
All interest-bearing Classes	—

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

Accrual Classes. The ZH, Z, PZ, ZL, GZ, ZM and ZP Classes are Accrual Classes. Interest will accrue on each Accrual Class at the applicable annual rate specified on the cover of this prospectus supplement or on 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 ZH Accrual Amount to Aggregate Group I to its Planned Balance, and thereafter to ZH.	**Accretion Directed/PAC Group and Accrual Class**
The Group 1 Cash Flow Distribution Amount in the following priority:	
1. To Aggregate Group I to its Planned Balance.	**PAC Group**
2. To ZH, until retired.	**Support Class**
3. To Aggregate Group I to zero.	**PAC Group**

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

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

"Aggregate Group I" consists of the JM and JB Classes. On each Distribution Date, we will apply payments of principal of Aggregate Group I to JM and JB, pro rata, 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 Z Accrual Amount to Aggregate Group II to its Planned Balance, and thereafter to Z.

Accretion Directed/PAC Group and Accrual Class

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

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

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

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

"Aggregate Group II" consists of the PB and PY Classes. On each Distribution Date, we will apply payments of principal of Aggregate Group II to PB and PY, 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 3*

The PZ Accrual Amount to PL, until retired, and thereafter to PZ.

Accretion Directed Class and Accrual Class

The ZL Accrual Amount to Aggregate Group III to its Planned Balance, and thereafter to ZL.

Accretion Directed/PAC Group and Accrual Class

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

1. To Aggregate Group III to its Planned Balance. **PAC Group**
2. To ZL, until retired. **Support Class**
3. To Aggregate Group III to zero. **PAC Group**

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

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

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

"Aggregate Group III" consists of the PL and PZ Classes. On each Distribution Date, we will apply payments of principal of Aggregate Group III to PL and PZ, 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.

- *Group 4*

The GZ Accrual Amount to BP, until retired, and thereafter to GZ.

Accretion Directed Class and Accrual Class

The ZM Accrual Amount to Aggregate Group IV to its Planned Balance, and thereafter to ZM. — **Accretion Directed/PAC Group and Accrual Class**

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

1. To Aggregate Group IV to its Planned Balance. — **PAC Group**
2. To ZM until retired. — **Support Class**
3. To Aggregate Group IV to zero. — **PAC Group**

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

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

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

"Aggregate Group IV" consists of the BP, GZ, KP and KL Classes. On each Distribution Date, we will apply payments of principal of Aggregate Group IV as follows:

— 50% to BP and GZ, in that order, until retired and

— 50% to KP and KL, in that order, until retired.

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

Structuring Assumptions

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

- the Mortgage Loans underlying the MBS have the original terms to maturity, remaining terms to maturity, loan ages and interest rates specified under "Summary—Group 1, Group 2, Group 3 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 November 30, 2017; 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.

Groups	Structuring Ranges	Initial Effective Ranges
Aggregate Group I Planned Balances	Between 125% and 225% PSA	Between 125% and 225% PSA
Aggregate Group II Planned Balances	Between 150% and 220% PSA	Between 150% and 220% PSA
Aggregate Group III Planned Balances	Between 145% and 220% PSA	Between 145% and 220% PSA
Aggregate Group IV Planned Balances	Between 145% and 220% PSA	Between 145% and 220% PSA

The Aggregate Groups listed above consist of the following Classes:

Aggregate Group I	JM and JB
Aggregate Group II	PB and PY
Aggregate Group III	PL and PZ
Aggregate Group IV	BP, GZ, KP and KL

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

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

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

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

- Even if the related Mortgage Loans prepay at rates falling within the applicable Structuring Range or Effective Range, principal distributions may be insufficient to reduce the Aggregate Groups to their scheduled balances each month if prepayments do not occur at a *constant* PSA rate.

- The actual Effective Ranges at any time will be based upon the actual characteristics of the related Mortgage Loans at that time, which are likely to vary (and may vary considerably) from the Pricing Assumptions. As a result, the actual Effective Ranges will likely differ from the Initial Effective Ranges specified above. For the same reason, the Aggregate Groups might not be reduced to their scheduled balances each month even if the related Mortgage Loans prepay at a *constant* PSA rate within the applicable Initial Effective Ranges. This is so particularly if the rates fall at the lower or higher end of the applicable ranges.

- The actual Effective Ranges may narrow, widen or shift upward or downward to reflect actual prepayment experience over time.

- The principal payment stability of each Aggregate Group will be supported by one 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 for the Fixed Rate Interest Only Classes

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

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

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

Class	% PSA
IJ	383%
PI	350%
IP	350%
KI	374%
IO	350%

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

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

Class	Price*
IJ	17.312500%
PI	15.921880%
IP	15.921875%
KI	17.187500%
IO	15.921875%

* 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 IJ Class to Prepayments

	PSA Prepayment Assumption							
	50%	100%	125%	175%	225%	400%	600%	900%
Pre-Tax Yields to Maturity	12.8%	9.2%	7.8%	7.8%	7.8%	(0.9)%	(12.1)%	(30.0)%

Sensitivity of the PI Class to Prepayments

	PSA Prepayment Assumption									
	50%	100%	145%	150%	180%	220%	225%	400%	600%	900%
Pre-Tax Yields to Maturity	14.9%	11.0%	7.8%	7.8%	7.8%	7.8%	7.6%	(3.3)%	(17.1)%	(37.9)%

Sensitivity of the IP Class to Prepayments

	PSA Prepayment Assumption									
	50%	100%	145%	150%	180%	220%	225%	400%	600%	900%
Pre-Tax Yields to Maturity	14.9%	11.0%	7.8%	7.8%	7.8%	7.8%	7.6%	(3.4)%	(17.3)%	(38.1)%

Sensitivity of the KI Class to Prepayments

	PSA Prepayment Assumption									
	50%	100%	145%	150%	180%	220%	225%	400%	600%	900%
Pre-Tax Yields to Maturity	13.8%	10.3%	7.8%	7.8%	7.8%	7.8%	7.6%	(1.4)%	(12.8)%	(30.8)%

Sensitivity of the IO Class to Prepayments

	PSA Prepayment Assumption									
	50%	100%	145%	150%	180%	220%	225%	400%	600%	900%
Pre-Tax Yields to Maturity	14.9%	11.0%	7.8%	7.8%	7.8%	7.8%	7.6%	(3.3)%	(17.1)%	(37.9)%

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 applicable 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.

Mortgage Loans Backing Trust Assets Specified Below	Original and Remaining Terms to Maturity	Interest Rates
Group 1 MBS	360 months	6.00%
Group 2 MBS	360 months	6.00%
Group 3 MBS	360 months	6.00%
Group 4 MBS	360 months	6.00%

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

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

Percent of Original Principal Balances Outstanding

	JM, JB, IJ† and JA Classes								ZH Class							
	PSA Prepayment Assumption								PSA Prepayment Assumption							
Date	0%	100%	125%	175%	225%	400%	600%	900%	0%	100%	125%	175%	225%	400%	600%	900%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
November 2018	98	95	95	95	95	95	95	95	104	104	104	98	91	70	46	9
November 2019	96	88	87	87	87	87	76	59	107	107	107	88	69	3	0	0
November 2020	94	80	77	77	77	65	48	27	111	111	111	75	41	0	0	0
November 2021	91	71	67	67	67	49	30	12	115	115	115	66	21	0	0	0
November 2022	89	63	58	58	58	36	19	6	119	119	119	61	9	0	0	0
November 2023	86	56	50	50	50	27	12	2	123	123	123	59	2	0	0	0
November 2024	83	49	42	42	42	20	7	1	128	128	128	59	*	0	0	0
November 2025	81	42	36	36	36	15	5	*	132	132	130	59	*	0	0	0
November 2026	78	36	30	30	30	11	3	*	137	137	130	57	*	0	0	0
November 2027	74	30	25	25	25	8	2	*	142	142	127	55	*	0	0	0
November 2028	71	24	21	21	21	6	1	*	147	147	123	52	*	0	0	0
November 2029	67	19	18	18	18	4	1	*	152	152	117	49	*	0	0	0
November 2030	63	15	15	15	15	3	*	*	158	153	110	45	*	0	0	0
November 2031	59	12	12	12	12	2	*	*	163	144	103	41	*	0	0	0
November 2032	55	10	10	10	10	2	*	*	169	135	95	37	*	0	0	0
November 2033	51	8	8	8	8	1	*	*	175	125	87	34	*	0	0	0
November 2034	46	7	7	7	7	1	*	*	181	114	79	30	*	0	0	0
November 2035	41	5	5	5	5	1	*	*	188	104	71	26	*	0	0	0
November 2036	36	4	4	4	4	*	*	*	194	94	63	23	*	0	0	0
November 2037	30	4	4	4	4	*	*	*	201	83	56	20	*	0	0	0
November 2038	24	3	3	3	3	*	*	*	208	73	48	17	*	0	0	0
November 2039	18	2	2	2	2	*	*	*	216	63	41	14	*	0	0	0
November 2040	12	2	2	2	2	*	*	*	223	54	35	12	*	0	0	0
November 2041	5	1	1	1	1	*	*	0	231	45	29	9	*	0	0	0
November 2042	1	1	1	1	1	*	*	0	217	36	23	7	*	0	0	0
November 2043	1	1	1	1	1	*	*	0	180	28	17	5	*	0	0	0
November 2044	*	*	*	*	*	*	*	0	139	20	12	4	*	0	0	0
November 2045	*	*	*	*	*	*	*	0	96	12	8	2	*	0	0	0
November 2046	*	*	*	*	*	*	*	0	50	6	3	1	*	0	0	0
November 2047	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)**	15.0	7.8	7.3	7.3	7.3	4.8	3.5	2.5	27.4	20.8	19.1	11.5	2.9	1.3	0.9	0.7

	PB Class										PY Class									
	PSA Prepayment Assumption										PSA Prepayment Assumption									
Date	0%	100%	145%	150%	180%	220%	225%	400%	600%	900%	0%	100%	145%	150%	180%	220%	225%	400%	600%	900%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
November 2018	98	96	95	95	95	95	95	95	95	93	100	100	100	100	100	100	100	100	100	100
November 2019	96	89	86	86	86	86	86	83	72	56	100	100	100	100	100	100	100	100	100	100
November 2020	94	80	75	74	74	74	74	60	42	21	100	100	100	100	100	100	100	100	100	100
November 2021	92	71	64	63	63	63	63	43	23	5	100	100	100	100	100	100	100	100	100	100
November 2022	90	63	54	53	53	53	53	29	11	0	100	100	100	100	100	100	100	100	100	68
November 2023	87	56	46	45	45	45	44	19	4	0	100	100	100	100	100	100	100	100	100	31
November 2024	84	49	38	36	36	36	36	12	0	0	100	100	100	100	100	100	100	100	88	14
November 2025	82	42	30	29	29	29	29	7	0	0	100	100	100	100	100	100	100	100	55	6
November 2026	79	36	24	23	23	23	23	3	0	0	100	100	100	100	100	100	100	100	34	3
November 2027	76	30	18	18	18	18	17	0	0	0	100	100	100	100	100	100	100	95	21	1
November 2028	72	24	14	14	14	14	13	0	0	0	100	100	100	100	100	100	100	70	13	1
November 2029	69	19	10	10	10	10	9	0	0	0	100	100	100	100	100	100	100	51	8	*
November 2030	65	14	7	7	7	7	6	0	0	0	100	100	100	100	100	100	100	37	5	*
November 2031	62	10	4	4	4	4	4	0	0	0	100	100	100	100	100	100	100	27	3	*
November 2032	57	5	2	2	2	2	2	0	0	0	100	100	100	100	100	100	100	20	2	*
November 2033	53	1	*	*	*	*	0	0	0	0	100	100	100	100	100	100	96	14	1	*
November 2034	49	0	0	0	0	0	0	0	0	0	100	83	83	83	83	83	79	10	1	*
November 2035	44	0	0	0	0	0	0	0	0	0	100	68	68	68	68	68	64	7	*	*
November 2036	39	0	0	0	0	0	0	0	0	0	100	55	55	55	55	55	52	5	*	*
November 2037	33	0	0	0	0	0	0	0	0	0	100	44	44	44	44	44	41	4	*	*
November 2038	28	0	0	0	0	0	0	0	0	0	100	35	35	35	35	35	33	3	*	*
November 2039	22	0	0	0	0	0	0	0	0	0	100	28	28	28	28	28	26	2	*	*
November 2040	15	0	0	0	0	0	0	0	0	0	100	21	21	21	21	21	20	1	*	*
November 2041	9	0	0	0	0	0	0	0	0	0	100	16	16	16	16	16	15	1	*	*
November 2042	1	0	0	0	0	0	0	0	0	0	100	12	12	12	12	12	11	1	*	*
November 2043	0	0	0	0	0	0	0	0	0	0	31	8	8	8	8	8	8	*	*	*
November 2044	0	0	0	0	0	0	0	0	0	0	5	5	5	5	5	5	5	*	*	0
November 2045	0	0	0	0	0	0	0	0	0	0	3	3	3	3	3	3	3	*	*	0
November 2046	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	*	*	0
November 2047	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)**	15.5	7.4	6.2	6.1	6.1	6.1	6.1	4.0	3.0	2.3	25.9	20.3	20.3	20.3	20.3	20.3	20.1	13.0	8.9	5.8

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

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

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

Date	Z Class — PSA Prepayment Assumption										PL, PI†, PM, PD, PE, PA and P Classes — PSA Prepayment Assumption									
	0%	**100%**	**145%**	**150%**	**180%**	**220%**	**225%**	**400%**	**600%**	**900%**	**0%**	**100%**	**145%**	**150%**	**180%**	**220%**	**225%**	**400%**	**600%**	**900%**
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
November 2018	104	104	104	104	99	92	92	64	32	0	98	95	95	95	95	95	95	95	95	92
November 2019	107	107	107	107	91	70	67	0	0	0	96	88	86	86	86	86	86	83	71	55
November 2020	111	111	111	111	81	41	36	0	0	0	94	80	74	74	74	74	74	61	43	23
November 2021	115	115	115	115	73	21	14	0	0	0	91	71	64	64	64	64	64	44	25	8
November 2022	119	119	119	119	70	8	1	0	0	0	89	63	55	55	55	55	55	31	14	1
November 2023	123	123	123	123	68	1	0	0	0	0	86	56	46	46	46	46	45	22	7	0
November 2024	128	128	128	128	69	*	0	0	0	0	84	49	38	38	38	38	37	15	2	0
November 2025	132	132	132	130	70	*	0	0	0	0	81	42	31	31	31	31	30	9	0	0
November 2026	137	137	137	128	68	*	0	0	0	0	78	36	25	25	25	25	24	5	0	0
November 2027	142	142	136	125	66	*	0	0	0	0	75	30	20	20	20	20	19	2	0	0
November 2028	147	147	130	120	62	*	0	0	0	0	71	25	16	16	16	16	15	0	0	0
November 2029	152	152	124	113	58	*	0	0	0	0	68	19	12	12	12	12	11	0	0	0
November 2030	158	158	116	106	54	*	0	0	0	0	64	14	9	9	9	9	8	0	0	0
November 2031	163	163	107	98	49	*	0	0	0	0	60	9	6	6	6	6	5	0	0	0
November 2032	169	169	99	90	45	*	0	0	0	0	56	5	4	4	4	4	3	0	0	0
November 2033	175	175	90	82	40	*	0	0	0	0	51	2	2	2	2	2	1	0	0	0
November 2034	181	167	81	73	36	*	0	0	0	0	46	0	0	0	0	0	0	0	0	0
November 2035	188	152	72	65	31	*	0	0	0	0	42	0	0	0	0	0	0	0	0	0
November 2036	194	137	64	58	27	*	0	0	0	0	36	0	0	0	0	0	0	0	0	0
November 2037	201	122	56	50	24	*	0	0	0	0	31	0	0	0	0	0	0	0	0	0
November 2038	208	108	48	43	20	*	0	0	0	0	25	0	0	0	0	0	0	0	0	0
November 2039	216	93	41	37	17	*	0	0	0	0	19	0	0	0	0	0	0	0	0	0
November 2040	223	79	34	31	14	*	0	0	0	0	12	0	0	0	0	0	0	0	0	0
November 2041	231	66	28	25	11	*	0	0	0	0	5	0	0	0	0	0	0	0	0	0
November 2042	240	53	22	20	9	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2043	248	41	17	15	6	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2044	206	30	12	10	4	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2045	142	19	7	6	3	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2046	73	8	3	3	1	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2047	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)**	28.2	22.6	18.8	18.5	13.0	2.9	2.6	1.2	0.8	0.6	15.1	7.4	6.3	6.3	6.3	6.3	6.3	4.2	3.1	2.3

Date	PZ Class — PSA Prepayment Assumption										ZL Class — PSA Prepayment Assumption									
	0%	**100%**	**145%**	**150%**	**180%**	**220%**	**225%**	**400%**	**600%**	**900%**	**0%**	**100%**	**145%**	**150%**	**180%**	**220%**	**225%**	**400%**	**600%**	**900%**
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
November 2018	104	104	104	104	104	104	104	104	104	104	104	104	104	103	98	91	90	61	28	0
November 2019	107	107	107	107	107	107	107	107	107	107	107	107	107	105	89	68	65	0	0	0
November 2020	111	111	111	111	111	111	111	111	111	111	111	111	111	106	77	39	35	0	0	0
November 2021	115	115	115	115	115	115	115	115	115	115	115	115	115	108	69	20	14	0	0	0
November 2022	119	119	119	119	119	119	119	119	119	119	119	119	119	111	65	7	1	0	0	0
November 2023	123	123	123	123	123	123	123	123	123	61	123	123	123	114	63	1	0	0	0	0
November 2024	128	128	128	128	128	128	128	128	128	28	128	128	128	118	64	*	0	0	0	0
November 2025	132	132	132	132	132	132	132	132	113	12	132	132	129	120	64	*	0	0	0	0
November 2026	137	137	137	137	137	137	137	137	70	6	137	137	128	118	63	*	0	0	0	0
November 2027	142	142	142	142	142	142	142	142	43	2	142	142	125	115	60	*	0	0	0	0
November 2028	147	147	147	147	147	147	147	145	27	1	147	147	120	110	57	*	0	0	0	0
November 2029	152	152	152	152	152	152	152	106	17	*	152	152	114	104	53	*	0	0	0	0
November 2030	158	158	158	158	158	158	158	78	10	*	158	158	106	97	49	*	0	0	0	0
November 2031	163	163	163	163	163	163	163	56	6	*	163	163	99	90	45	*	0	0	0	0
November 2032	169	169	169	169	169	169	169	41	4	*	169	169	90	82	41	*	0	0	0	0
November 2033	175	175	175	175	175	175	175	30	2	*	175	167	82	75	37	*	0	0	0	0
November 2034	181	175	175	175	175	175	165	21	1	*	181	153	74	67	33	*	0	0	0	0
November 2035	188	143	143	143	143	143	135	15	1	*	188	139	66	60	29	*	0	0	0	0
November 2036	194	115	115	115	115	115	109	11	1	*	194	126	58	53	25	*	0	0	0	0
November 2037	201	93	93	93	93	93	87	8	*	*	201	112	51	46	21	*	0	0	0	0
November 2038	208	74	74	74	74	74	69	5	*	*	208	98	44	40	18	*	0	0	0	0
November 2039	216	58	58	58	58	58	54	4	*	*	216	85	37	33	15	*	0	0	0	0
November 2040	223	45	45	45	45	45	41	2	*	*	223	73	31	28	13	*	0	0	0	0
November 2041	231	34	34	34	34	34	31	2	*	*	231	60	25	23	10	*	0	0	0	0
November 2042	192	25	25	25	25	25	23	1	*	*	240	49	20	18	8	*	0	0	0	0
November 2043	17	17	17	17	17	17	16	1	*	*	245	38	15	13	6	*	0	0	0	0
November 2044	11	11	11	11	11	11	10	*	*	0	190	27	11	9	4	*	0	0	0	0
November 2045	7	7	7	7	7	7	6	*	*	0	131	17	6	6	2	*	0	0	0	0
November 2046	3	3	3	3	3	3	2	*	*	0	68	7	3	2	1	*	0	0	0	0
November 2047	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)**	25.6	21.0	21.0	21.0	21.0	21.0	20.7	14.1	9.8	6.4	28.1	22.2	18.6	18.5	12.3	2.8	2.6	1.1	0.8	0.6

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

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

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

Date	ZM Class PSA Prepayment Assumption 0%	100%	145%	150%	180%	220%	225%	400%	600%	900%	BP, IP†, CP, PG, LP and AP Classes PSA Prepayment Assumption 0%	100%	145%	150%	180%	220%	225%	400%	600%	900%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
November 2018	104	104	104	103	98	91	90	61	28	0	98	95	95	95	95	95	95	95	95	92
November 2019	107	107	107	105	89	68	65	0	0	0	96	88	85	85	85	85	85	83	71	55
November 2020	111	111	111	106	77	39	35	0	0	0	94	80	74	74	74	74	74	61	43	23
November 2021	115	115	115	108	69	20	14	0	0	0	91	71	64	64	64	64	64	44	25	7
November 2022	119	119	119	111	65	7	1	0	0	0	89	63	54	54	54	54	54	31	14	1
November 2023	123	123	123	114	63	1	0	0	0	0	86	56	46	46	46	46	45	22	7	0
November 2024	128	128	128	118	64	*	0	0	0	0	84	49	38	38	38	38	37	15	2	0
November 2025	132	132	129	120	64	*	0	0	0	0	81	42	31	31	31	31	30	9	0	0
November 2026	137	137	128	118	63	*	0	0	0	0	78	36	25	25	25	25	24	5	0	0
November 2027	142	142	125	115	60	*	0	0	0	0	75	30	20	20	20	20	19	2	0	0
November 2028	147	147	120	110	57	*	0	0	0	0	71	25	16	16	16	16	15	0	0	0
November 2029	152	152	114	104	53	*	0	0	0	0	68	19	12	12	12	12	11	0	0	0
November 2030	158	158	106	97	49	*	0	0	0	0	64	14	9	9	9	9	8	0	0	0
November 2031	163	163	99	90	45	*	0	0	0	0	60	10	6	6	6	6	6	0	0	0
November 2032	169	169	90	82	41	*	0	0	0	0	56	5	4	4	4	4	3	0	0	0
November 2033	175	167	82	75	37	*	0	0	0	0	51	2	2	2	2	2	1	0	0	0
November 2034	181	153	74	67	33	*	0	0	0	0	47	0	0	0	0	0	0	0	0	0
November 2035	188	139	66	60	29	*	0	0	0	0	42	0	0	0	0	0	0	0	0	0
November 2036	194	126	58	53	25	*	0	0	0	0	37	0	0	0	0	0	0	0	0	0
November 2037	201	112	51	46	21	*	0	0	0	0	31	0	0	0	0	0	0	0	0	0
November 2038	208	98	44	40	18	*	0	0	0	0	25	0	0	0	0	0	0	0	0	0
November 2039	216	85	37	33	15	*	0	0	0	0	19	0	0	0	0	0	0	0	0	0
November 2040	223	73	31	28	13	*	0	0	0	0	13	0	0	0	0	0	0	0	0	0
November 2041	231	60	25	23	10	*	0	0	0	0	6	0	0	0	0	0	0	0	0	0
November 2042	240	49	20	18	8	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2043	245	38	15	13	6	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2044	190	27	11	9	4	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2045	131	17	6	6	2	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2046	68	7	3	2	1	*	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2047	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)**	28.1	22.2	18.6	18.5	12.3	2.8	2.6	1.1	0.8	0.6	15.1	7.4	6.3	6.3	6.3	6.3	6.3	4.2	3.1	2.3

Date	GZ Class PSA Prepayment Assumption 0%	100%	145%	150%	180%	220%	225%	400%	600%	900%	KP Class PSA Prepayment Assumption 0%	100%	145%	150%	180%	220%	225%	400%	600%	900%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
November 2018	103	103	103	103	103	103	103	103	103	103	98	95	94	94	94	94	94	94	94	91
November 2019	106	106	106	106	106	106	106	106	106	106	96	87	84	84	84	84	84	81	68	50
November 2020	109	109	109	109	109	109	109	109	109	109	93	78	72	72	72	72	72	56	37	14
November 2021	113	113	113	113	113	113	113	113	113	113	91	68	60	60	60	60	60	38	17	0
November 2022	116	116	116	116	116	116	116	116	116	116	88	60	50	50	50	50	50	24	4	0
November 2023	120	120	120	120	120	120	120	120	120	58	86	52	40	40	40	40	39	13	0	0
November 2024	123	123	123	123	123	123	123	123	123	26	83	44	32	32	32	32	31	5	0	0
November 2025	127	127	127	127	127	127	127	127	106	12	80	37	24	24	24	24	23	0	0	0
November 2026	131	131	131	131	131	131	131	131	66	5	77	30	18	18	18	18	17	0	0	0
November 2027	135	135	135	135	135	135	135	135	41	2	73	23	12	12	12	12	11	0	0	0
November 2028	139	139	139	139	139	139	139	136	25	1	70	17	8	8	8	8	7	0	0	0
November 2029	143	143	143	143	143	143	143	100	16	*	66	12	4	4	4	4	3	0	0	0
November 2030	148	148	148	148	148	148	148	73	10	*	62	6	*	*	*	*	0	0	0	0
November 2031	152	152	152	152	152	152	152	53	6	*	58	1	0	0	0	0	0	0	0	0
November 2032	157	157	157	157	157	157	157	38	4	*	53	0	0	0	0	0	0	0	0	0
November 2033	162	162	162	162	162	162	162	28	2	*	49	0	0	0	0	0	0	0	0	0
November 2034	166	164	164	164	164	164	155	20	1	*	44	0	0	0	0	0	0	0	0	0
November 2035	171	134	134	134	134	134	126	14	1	*	38	0	0	0	0	0	0	0	0	0
November 2036	177	109	109	109	109	109	102	10	*	*	33	0	0	0	0	0	0	0	0	0
November 2037	182	87	87	87	87	87	82	7	*	*	27	0	0	0	0	0	0	0	0	0
November 2038	188	69	69	69	69	69	65	5	*	*	21	0	0	0	0	0	0	0	0	0
November 2039	193	54	54	54	54	54	51	3	*	*	14	0	0	0	0	0	0	0	0	0
November 2040	199	42	42	42	42	42	39	2	*	*	7	0	0	0	0	0	0	0	0	0
November 2041	205	32	32	32	32	32	29	2	*	*	0	0	0	0	0	0	0	0	0	0
November 2042	180	23	23	23	23	23	21	1	*	*	0	0	0	0	0	0	0	0	0	0
November 2043	16	16	16	16	16	16	15	1	*	*	0	0	0	0	0	0	0	0	0	0
November 2044	11	11	11	11	11	11	10	*	*	0	0	0	0	0	0	0	0	0	0	0
November 2045	6	6	6	6	6	6	6	*	*	0	0	0	0	0	0	0	0	0	0	0
November 2046	2	2	2	2	2	2	2	*	*	0	0	0	0	0	0	0	0	0	0	0
November 2047	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)**	25.6	21.0	21.0	21.0	21.0	21.0	20.8	14.1	9.8	6.4	14.6	6.6	5.5	5.5	5.5	5.5	5.4	3.6	2.7	2.1

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

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

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

Date	KL Class PSA Prepayment Assumption 0%	100%	145%	150%	180%	220%	225%	400%	600%	900%
Initial Percent	100	100	100	100	100	100	100	100	100	100
November 2018	100	100	100	100	100	100	100	100	100	100
November 2019	100	100	100	100	100	100	100	100	100	100
November 2020	100	100	100	100	100	100	100	100	100	100
November 2021	100	100	100	100	100	100	100	100	100	82
November 2022	100	100	100	100	100	100	100	100	100	37
November 2023	100	100	100	100	100	100	100	100	78	17
November 2024	100	100	100	100	100	100	100	100	49	7
November 2025	100	100	100	100	100	100	100	98	30	3
November 2026	100	100	100	100	100	100	100	72	19	1
November 2027	100	100	100	100	100	100	100	53	12	1
November 2028	100	100	100	100	100	100	100	39	7	*
November 2029	100	100	100	100	100	100	100	29	4	*
November 2030	100	100	100	100	100	100	97	21	3	*
November 2031	100	100	84	84	84	84	80	15	2	*
November 2032	100	78	70	70	70	70	66	11	1	*
November 2033	100	57	57	57	57	57	54	8	1	*
November 2034	100	47	47	47	47	47	45	6	*	*
November 2035	100	38	38	38	38	38	36	4	*	*
November 2036	100	31	31	31	31	31	29	3	*	*
November 2037	100	25	25	25	25	25	23	2	*	*
November 2038	100	20	20	20	20	20	19	1	*	*
November 2039	100	16	16	16	16	16	14	1	*	*
November 2040	100	12	12	12	12	12	11	1	*	*
November 2041	98	9	9	9	9	9	8	*	*	*
November 2042	52	7	7	7	7	7	6	*	*	*
November 2043	5	5	5	5	5	5	4	*	*	0
November 2044	3	3	3	3	3	3	3	*	*	0
November 2045	2	2	2	2	2	2	2	*	*	0
November 2046	1	1	1	1	1	1	1	*	*	0
November 2047	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)**	25.1	18.0	17.8	17.8	17.8	17.8	17.5	11.2	7.6	5.0

Date	KI† and PH Classes PSA Prepayment Assumption 0%	100%	145%	150%	180%	220%	225%	400%	600%	900%
Initial Percent	100	100	100	100	100	100	100	100	100	100
November 2018	98	96	95	95	95	95	95	95	95	92
November 2019	96	89	86	86	86	86	86	84	73	57
November 2020	94	81	76	76	76	76	76	63	46	26
November 2021	92	73	66	66	66	66	66	47	29	12
November 2022	90	66	57	57	57	57	57	35	18	5
November 2023	88	59	49	49	49	49	48	26	11	2
November 2024	85	52	41	41	41	41	41	19	7	1
November 2025	83	46	35	35	35	35	34	14	4	*
November 2026	80	40	30	30	30	30	29	10	3	*
November 2027	77	35	25	25	25	25	24	8	2	*
November 2028	74	29	21	21	21	21	20	6	1	*
November 2029	71	24	17	17	17	17	17	4	1	*
November 2030	67	20	15	15	15	15	14	3	*	*
November 2031	64	15	12	12	12	12	12	2	*	*
November 2032	60	11	10	10	10	10	10	2	*	*
November 2033	56	8	8	8	8	8	8	1	*	*
November 2034	52	7	7	7	7	7	6	1	*	*
November 2035	47	6	6	6	6	6	5	1	*	*
November 2036	42	4	4	4	4	4	4	*	*	*
November 2037	37	4	4	4	4	4	3	*	*	*
November 2038	32	3	3	3	3	3	3	*	*	*
November 2039	26	2	2	2	2	2	2	*	*	*
November 2040	20	2	2	2	2	2	2	*	*	*
November 2041	14	1	1	1	1	1	1	*	*	0
November 2042	7	1	1	1	1	1	1	*	*	0
November 2043	1	1	1	1	1	1	1	*	*	0
November 2044	*	*	*	*	*	*	*	*	*	0
November 2045	*	*	*	*	*	*	*	*	*	0
November 2046	*	*	*	*	*	*	*	*	*	0
November 2047	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)**	16.1	8.3	7.3	7.3	7.3	7.3	7.2	4.7	3.4	2.5

Date	ZP Class PSA Prepayment Assumption 0%	100%	145%	150%	180%	220%	225%	400%	600%	900%
Initial Percent	100	100	100	100	100	100	100	100	100	100
November 2018	104	104	104	103	98	91	91	62	29	0
November 2019	107	107	107	105	89	68	65	0	0	0
November 2020	111	111	111	107	78	40	35	0	0	0
November 2021	115	115	115	110	70	20	14	0	0	0
November 2022	119	119	119	113	66	8	1	0	0	0
November 2023	123	123	123	116	64	1	0	0	0	0
November 2024	128	128	128	120	65	*	0	0	0	0
November 2025	132	132	130	121	65	*	0	0	0	0
November 2026	137	137	130	120	64	*	0	0	0	0
November 2027	142	142	127	117	61	*	0	0	0	0
November 2028	147	147	122	112	58	*	0	0	0	0
November 2029	152	152	115	106	54	*	0	0	0	0
November 2030	158	158	108	99	50	*	0	0	0	0
November 2031	163	163	100	92	46	*	0	0	0	0
November 2032	169	169	92	84	42	*	0	0	0	0
November 2033	175	168	84	76	37	*	0	0	0	0
November 2034	181	156	75	68	33	*	0	0	0	0
November 2035	188	142	67	61	29	*	0	0	0	0
November 2036	194	128	59	54	25	*	0	0	0	0
November 2037	201	114	52	47	22	*	0	0	0	0
November 2038	208	100	45	40	19	*	0	0	0	0
November 2039	216	87	38	34	16	*	0	0	0	0
November 2040	223	74	32	28	13	*	0	0	0	0
November 2041	231	61	26	23	10	*	0	0	0	0
November 2042	240	50	20	18	8	*	0	0	0	0
November 2043	246	38	15	14	6	*	0	0	0	0
November 2044	193	27	11	10	4	*	0	0	0	0
November 2045	133	17	7	6	2	*	0	0	0	0
November 2046	69	8	3	3	1	*	0	0	0	0
November 2047	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)**	28.1	22.3	18.7	18.5	12.4	2.8	2.6	1.1	0.8	0.6

Date	IO† Class PSA Prepayment Assumption 0%	100%	145%	150%	180%	220%	225%	400%	600%	900%
Initial Percent	100	100	100	100	100	100	100	100	100	100
November 2018	98	95	95	95	95	95	95	95	95	92
November 2019	96	88	86	86	86	86	86	83	71	55
November 2020	94	80	74	74	74	74	74	61	43	23
November 2021	91	71	64	64	64	64	64	44	25	8
November 2022	89	63	54	54	54	54	54	31	14	1
November 2023	86	56	46	46	46	46	45	22	7	0
November 2024	84	49	38	38	38	38	37	15	2	0
November 2025	81	42	31	31	31	31	30	9	0	0
November 2026	78	36	25	25	25	25	24	5	0	0
November 2027	75	30	20	20	20	20	19	2	0	0
November 2028	71	25	16	16	16	16	15	0	0	0
November 2029	68	19	12	12	12	12	11	0	0	0
November 2030	64	14	9	9	9	9	8	0	0	0
November 2031	60	9	6	6	6	6	5	0	0	0
November 2032	56	5	4	4	4	4	3	0	0	0
November 2033	51	2	2	2	2	2	1	0	0	0
November 2034	46	0	0	0	0	0	0	0	0	0
November 2035	42	0	0	0	0	0	0	0	0	0
November 2036	36	0	0	0	0	0	0	0	0	0
November 2037	31	0	0	0	0	0	0	0	0	0
November 2038	25	0	0	0	0	0	0	0	0	0
November 2039	19	0	0	0	0	0	0	0	0	0
November 2040	12	0	0	0	0	0	0	0	0	0
November 2041	5	0	0	0	0	0	0	0	0	0
November 2042	0	0	0	0	0	0	0	0	0	0
November 2043	0	0	0	0	0	0	0	0	0	0
November 2044	0	0	0	0	0	0	0	0	0	0
November 2045	0	0	0	0	0	0	0	0	0	0
November 2046	0	0	0	0	0	0	0	0	0	0
November 2047	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)**	15.1	7.4	6.3	6.3	6.3	6.3	6.3	4.2	3.1	2.3

* 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.

Characteristics of the Residual Classes

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

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

CERTAIN ADDITIONAL FEDERAL INCOME TAX CONSEQUENCES

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

REMIC Elections and Special Tax Attributes

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

Taxation of Beneficial Owners of Regular Certificates

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

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

Group	Prepayment Assumption
1	175% PSA
2	180% PSA
3	180% PSA
4	180% PSA

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

Taxation of Beneficial Owners of Residual Certificates

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

Taxation of Beneficial Owners of RCR Certificates

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

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

Tax Audit Procedures

The Bipartisan Budget Act of 2015, which was enacted on November 2, 2015, repeals and replaces the rules applicable to certain administrative and judicial proceedings regarding a REMIC's tax affairs, effective beginning with the 2018 taxable year. Under the new rules, a partnership, including for this purpose a REMIC, appoints one person to act as its sole representative in connection with IRS audits and related procedures. In the case of a REMIC, the representative's actions, including the representative's agreeing to adjustments to taxable income, will bind Residual Owners to a greater degree than would actions of the tax matters partner ("TMP") under current rules. See "Material Federal Income Tax Consequences—Reporting and Other Administrative Matters" in the REMIC Prospectus for a discussion of the TMP. Further, an adjustment to the REMIC's taxable income following an IRS audit may have to be taken into account by those Residual Owners in the year in which the adjustment is made rather than in the year to which the adjustment relates, and otherwise in different and potentially less advantageous ways than under current rules. In some cases, a REMIC could itself be liable for taxes on income adjustments, although it is anticipated that each REMIC will seek to follow procedures in the new rules to avoid entity-level liability to the extent it otherwise may be imposed. The new rules, which will apply to both existing and future REMICs, are complex and likely will be clarified and possibly revised before going into effect. Residual Owners should discuss with their own tax advisors the possible effect of the new rules on them.

Foreign Investors

Beginning on January 1, 2019, a 30-percent United States withholding tax ("FATCA withholding") will apply to gross proceeds from the sale or other disposition of a Regular Certificate that are paid to a non-U.S. entity that is a "financial institution" and fails to comply with certain reporting and other requirements or to a non-U.S. entity that is not a "financial institution" but fails to disclose the identity of its direct or indirect "substantial U.S. owners" or to certify that it has no such owners. FATCA withholding currently applies to payments treated as interest on a Regular Certificate paid to such persons. Various exceptions may apply. You should consult your own tax advisor regarding the potential application and impact of this withholding tax based on your particular circumstances. See "Material Federal Income Tax Consequences—Foreign Investors" in the REMIC Prospectus.

ADDITIONAL ERISA CONSIDERATIONS

The following discussion supplements the discussion under "ERISA Considerations" in the REMIC Prospectus regarding important considerations for investors subject to ERISA or section 4975 of the Code. None of Fannie Mae, the Dealer or any of their respective affiliates (collectively, the "Transaction Parties") is undertaking to provide impartial investment advice, or to give advice in a fiduciary capacity, in connection with the acquisition of Certificates by any "plan." In addition, each beneficial owner of Certificates or any interest therein that is a plan, including any fiduciary purchasing the Certificates on behalf of a plan ("Plan Fiduciary"), will be deemed by its acquisition of the Certificates to represent that:

1. If any of the Transaction Parties has provided, or will provide, advice with respect to the acquisition of the Certificates by the plan, it has or will provide advice only to a Plan Fiduciary that is independent of the Transaction Parties giving such advice, if any, and that is one of the following:

   - a bank as defined in Section 202 of the Investment Advisers Act of 1940 (the "Advisers Act"), or a similar institution that is regulated and supervised and subject to periodic examination by a State or federal agency;

   - an insurance carrier that is qualified under the laws of more than one State to perform the services of managing, acquiring or disposing of assets of a plan;

   - an investment adviser registered under the Advisers Act or, if not registered as an investment adviser under the Advisers Act by reason of paragraph (1) of Section 203A of the Advisers Act, registered as an investment adviser under the laws of the State in which it maintains its principal office and place of business;

   - a broker-dealer registered under the Exchange Act; or

- a fiduciary that, for so long as the plan is invested in the Certificates, will have total assets of at least $50,000,000 under its management or control (provided that this requirement will not be satisfied if the Plan Fiduciary is either (i) the owner or a relative of the owner of an investing IRA or (ii) a participant or beneficiary or a relative of such participant or beneficiary of the plan investing in the Certificates in such capacity).

2. The Plan Fiduciary is capable of evaluating investment risks independently, both in general and with respect to particular transactions and investment strategies, including the acquisition by the plan of the Certificates.
3. The Plan Fiduciary is a "fiduciary" with respect to the plan within the meaning of section 3(21) of ERISA or section 4975 of the Code, or both, and is responsible for exercising independent judgment in evaluating the plan's acquisition of the Certificates.
4. None of the Transaction Parties has exercised any authority to cause the plan to invest in the Certificates or to negotiate the terms of the plan's investment in the Certificates.
5. The Plan Fiduciary has been informed by the Transaction Parties:
   - that none of the Transaction Parties is undertaking to provide impartial investment advice or to give advice in a fiduciary capacity in connection with the plan's acquisition of the Certificates; and
   - of the existence and nature of the Transaction Parties' financial interests in the plan's acquisition of the Certificates.

The foregoing representations are intended to comply with the Department of Labor's Reg. Sections 29 C.F.R. 2510.3-21(a) and (c)(1) as promulgated on April 8, 2016 (81 Fed. Reg. 20,997). If these regulations are revoked, repealed or no longer effective, these representations will be deemed to no longer be in effect.

PLAN OF DISTRIBUTION

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

CREDIT RISK RETENTION

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

EUROPEAN ECONOMIC AREA RISK RETENTION

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

The application of Articles 404-410 of the European Union Capital Requirements Regulation 575/2013 (the "EEA Risk Retention 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 EEA Risk Retention Regulation applies to the Transaction, investors subject to the EEA Risk Retention Regulation may wish to consider the guidance appearing in the European Commission's regulatory technical standards released March 3, 2014, which provides in relevant part: "Where an entity securitizes its own liabilities, alignment of interest is established automatically, regardless of whether the final debtor collateralizes its debt. Where it is clear that the credit risk remains with the originator the retention of interest by the originator is unnecessary, and would not improve on the pre-existing position." We will remain fully liable under the Guaranty Obligations.

We do not intend to collateralize any of our credit exposure under the Guaranty Obligations or the certificates.

In order to assist Applicable Investors (as defined below) in evaluating a potential investment in the certificates, we will enter into a letter agreement (the "EEA Risk Retention Letter") on the settlement date pursuant to which we will irrevocably undertake to the certificateholders that, in connection with Article 405(1) of EU Regulation 575/2013, including the technical standards in relation thereto adopted by the European Commission, and guidelines and other materials published by the European Banking Authority in relation thereto ("Article 405(1)"), as at the origination and on an ongoing basis, so long as any certificates remain outstanding:

- we will, as originator (as such term is defined for the purpose of Article 405(1)), retain a material net economic interest (the "Retained Interest") in the exposure related to the Transaction of not less than 5%;
- 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 Article 405(1); 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 Article 406 of EU Regulation 575/2013 as of the settlement date and at any time prior to maturity of the certificates;
- we will confirm to the trustee for reporting to certificateholders our continued compliance with the undertakings set out at the first and second bullet points above (which confirmation may be by email): (i) on a monthly basis; and (ii) following our determination that the performance of the certificates or the risk characteristics of the certificates or of the mortgage loans has materially changed; and
- we will promptly notify the trustee in writing if for any reason: (i) we cease to hold the Retained Interest in accordance with the first bullet point above; or (ii) we or any of our affiliates fails to comply with the covenants set out in the second and third bullet points above in any way.

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

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

LEGAL MATTERS

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

Schedule 1

Available Recombinations(1)

REMIC Certificates		RCR Certificates						
Classes	Original Balances	RCR Classes	Original Balances	Principal Type(2)	Interest Rate	Interest Type(2)	CUSIP Number	Final Distribution Date
Recombination 1								
JB	$ 34,966,900	JA	$ 34,966,900	PAC/AD	3.50%	FIX	3136B0EZ5	December 2047
IJ	4,995,271(3)							
Recombination 2								
PL	200,000,000	PM	200,000,000	PAC/AD	2.85	FIX	3136B0FA9	June 2046
PI	2,857,142(3)							
Recombination 3								
PL	200,000,000	PD	200,000,000	PAC/AD	2.90	FIX	3136B0FB7	June 2046
PI	5,714,286(3)							
Recombination 4								
PL	200,000,000	PE	200,000,000	PAC/AD	2.95	FIX	3136B0FC5	June 2046
PI	8,571,428(3)							
Recombination 5								
PL	200,000,000	PA	200,000,000	PAC/AD	3.00	FIX	3136B0FD3	June 2046
PI	11,428,571(3)							
Recombination 6								
PL	200,000,000	P	200,000,000	PAC/AD	3.50	FIX	3136B0FE1	June 2046
PI	40,000,000(3)							
Recombination 7								
BP	86,134,000	CP	86,134,000	PAC/AD	2.85	FIX	3136B0FG6	August 2046
IP	1,230,485(3)							
Recombination 8								
BP	86,134,000	PG	86,134,000	PAC/AD	2.90	FIX	3136B0FH4	August 2046
IP	2,460,971(3)							
Recombination 9								
BP	86,134,000	LP	86,134,000	PAC/AD	2.95	FIX	3136B0FJ0	August 2046
IP	3,691,456(3)							

REMIC Certificates		RCR Certificates						
Classes	**Original Balances**	**RCR Classes**	**Original Balances**	**Principal Type(2)**	**Interest Rate**	**Interest Type(2)**	**CUSIP Number**	**Final Distribution Date**
Recombination 10								
BP	$ 86,134,000	AP	$ 86,134,000	PAC/AD	3.00%	FIX	3136B0FK7	August 2046
IP	4,921,942(3)							
Recombination 11								
KP	76,893,000	PH	89,846,000	PAC/AD	4.00	FIX	3136B0FF8	December 2047
KL	12,953,000							
KI	25,670,285(3)							
Recombination 12								
Z	5,629,000	ZP(4)	29,145,000	SUP	3.50	FIX/Z	3136B0FL5	December 2047
ZL	23,516,000							
Recombination 13								
PI	34,285,714(3)	IO(5)	36,746,685(3)	NTL	3.50	FIX/IO	3136B0FM3	August 2046
IP	2,460,971(3)							

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

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

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

(4) The ZP Class is an RCR Class formed by a combination of the Z Class in Group 2 and the ZL Class in Group 3.

(5) The IO Class is an RCR Class formed by a combination of the PI Class in Group 3 and the IP Class in Group 4.

Principal Balance Schedules

Aggregate Group I Planned Balances

Distribution Date	Planned Balance	Distribution Date	Planned Balance	Distribution Date	Planned Balance
Initial Balance	$49,966,900.00	July 2022	$30,498,606.83	March 2027	$14,135,188.50
December 2017	49,824,643.53	August 2022	30,136,997.15	April 2027	13,929,230.16
January 2018	49,670,015.94	September 2022	29,777,697.90	May 2027	13,726,057.17
February 2018	49,503,068.55	October 2022	29,420,692.67	June 2027	13,525,633.37
March 2018	49,323,860.60	November 2022	29,065,965.15	July 2027	13,327,923.09
April 2018	49,132,459.23	December 2022	28,713,499.13	August 2027	13,132,891.10
May 2018	48,928,939.44	January 2023	28,363,278.50	September 2027	12,940,502.61
June 2018	48,713,384.06	February 2023	28,015,287.28	October 2027	12,750,723.28
July 2018	48,485,883.66	March 2023	27,669,509.57	November 2027	12,563,519.20
August 2018	48,246,536.51	April 2023	27,325,929.58	December 2027	12,378,856.90
September 2018	47,995,448.53	May 2023	26,984,531.61	January 2028	12,196,703.31
October 2018	47,732,733.15	June 2023	26,645,300.09	February 2028	12,017,025.80
November 2018	47,458,511.31	July 2023	26,308,219.51	March 2028	11,839,792.15
December 2018	47,172,911.25	August 2023	25,973,274.51	April 2028	11,664,970.55
January 2019	46,876,068.53	September 2023	25,640,449.78	May 2028	11,492,529.57
February 2019	46,568,125.83	October 2023	25,309,730.14	June 2028	11,322,438.22
March 2019	46,249,232.84	November 2023	24,981,100.51	July 2028	11,154,665.87
April 2019	45,919,546.17	December 2023	24,654,545.88	August 2028	10,989,182.28
May 2019	45,579,229.21	January 2024	24,330,051.37	September 2028	10,825,957.62
June 2019	45,228,451.93	February 2024	24,007,602.16	October 2028	10,664,962.42
July 2019	44,867,390.79	March 2024	23,687,183.56	November 2028	10,506,167.57
August 2019	44,496,228.58	April 2024	23,368,780.96	December 2028	10,349,544.35
September 2019	44,115,154.20	May 2024	23,052,379.85	January 2029	10,195,064.41
October 2019	43,724,362.56	June 2024	22,737,965.79	February 2029	10,042,699.75
November 2019	43,324,054.35	July 2024	22,425,524.47	March 2029	9,892,422.71
December 2019	42,914,435.89	August 2024	22,115,041.64	April 2029	9,744,206.01
January 2020	42,495,718.90	September 2024	21,806,503.16	May 2029	9,598,022.70
February 2020	42,068,120.35	October 2024	21,499,894.99	June 2029	9,453,846.18
March 2020	41,631,862.24	November 2024	21,195,203.15	July 2029	9,311,650.18
April 2020	41,198,440.23	December 2024	20,894,532.96	August 2029	9,171,408.77
May 2020	40,767,834.49	January 2025	20,597,871.08	September 2029	9,033,096.35
June 2020	40,340,025.32	February 2025	20,305,165.95	October 2029	8,896,687.64
July 2020	39,914,993.16	March 2025	20,016,366.66	November 2029	8,762,157.70
August 2020	39,492,718.57	April 2025	19,731,422.93	December 2029	8,629,481.88
September 2020	39,073,182.22	May 2025	19,450,285.13	January 2030	8,498,635.86
October 2020	38,656,364.93	June 2025	19,172,904.23	February 2030	8,369,595.63
November 2020	38,242,247.63	July 2025	18,899,231.84	March 2030	8,242,337.49
December 2020	37,830,811.38	August 2025	18,629,220.17	April 2030	8,116,838.03
January 2021	37,422,037.37	September 2025	18,362,822.03	May 2030	7,993,074.14
February 2021	37,015,906.88	October 2025	18,099,990.82	June 2030	7,871,023.01
March 2021	36,612,401.36	November 2025	17,840,680.55	July 2030	7,750,662.13
April 2021	36,211,502.33	December 2025	17,584,845.79	August 2030	7,631,969.25
May 2021	35,813,191.47	January 2026	17,332,441.68	September 2030	7,514,922.44
June 2021	35,417,450.56	February 2026	17,083,423.93	October 2030	7,399,500.01
July 2021	35,024,261.50	March 2026	16,837,748.83	November 2030	7,285,680.58
August 2021	34,633,606.31	April 2026	16,595,373.18	December 2030	7,173,443.03
September 2021	34,245,467.11	May 2026	16,356,254.35	January 2031	7,062,766.51
October 2021	33,859,826.18	June 2026	16,120,350.26	February 2031	6,953,630.43
November 2021	33,476,665.86	July 2026	15,887,619.34	March 2031	6,846,014.48
December 2021	33,095,968.64	August 2026	15,658,020.55	April 2031	6,739,898.59
January 2022	32,717,717.11	September 2026	15,431,513.36	May 2031	6,635,262.96
February 2022	32,341,893.98	October 2026	15,208,057.77	June 2031	6,532,088.04
March 2022	31,968,482.07	November 2026	14,987,614.27	July 2031	6,430,354.52
April 2022	31,597,464.30	December 2026	14,770,143.87	August 2031	6,330,043.36
May 2022	31,228,823.73	January 2027	14,555,608.04	September 2031	6,231,135.74
June 2022	30,862,543.48	February 2027	14,343,968.76	October 2031	6,133,613.10

Aggregate Group I (Continued)

Distribution Date	Planned Balance	Distribution Date	Planned Balance	Distribution Date	Planned Balance
November 2031	$ 6,037,457.10	October 2036	$ 2,237,414.38	September 2041	$ 663,220.55
December 2031	5,942,649.64	November 2036	2,197,157.77	October 2041	647,219.66
January 2032	5,849,172.87	December 2036	2,157,499.90	November 2041	631,480.13
February 2032	5,757,009.14	January 2037	2,118,432.61	December 2041	615,998.23
March 2032	5,666,141.05	February 2037	2,079,947.81	January 2042	600,770.28
April 2032	5,576,551.40	March 2037	2,042,037.52	February 2042	585,792.64
May 2032	5,488,223.24	April 2037	2,004,693.89	March 2042	571,061.72
June 2032	5,401,139.82	May 2037	1,967,909.15	April 2042	556,573.99
July 2032	5,315,284.59	June 2037	1,931,675.64	May 2042	542,325.95
August 2032	5,230,641.24	July 2037	1,895,985.78	June 2042	528,314.16
September 2032	5,147,193.66	August 2037	1,860,832.13	July 2042	514,535.21
October 2032	5,064,925.94	September 2037	1,826,207.31	August 2042	500,985.77
November 2032	4,983,822.39	October 2037	1,792,104.05	September 2042	487,662.51
December 2032	4,903,867.49	November 2037	1,758,515.18	October 2042	474,562.18
January 2033	4,825,045.96	December 2037	1,725,433.61	November 2042	461,681.56
February 2033	4,747,342.69	January 2038	1,692,852.37	December 2042	449,017.47
March 2033	4,670,742.77	February 2038	1,660,764.55	January 2043	436,566.78
April 2033	4,595,231.49	March 2038	1,629,163.34	February 2043	424,326.40
May 2033	4,520,794.31	April 2038	1,598,042.04	March 2043	412,293.28
June 2033	4,447,416.91	May 2038	1,567,394.01	April 2043	400,464.40
July 2033	4,375,085.11	June 2038	1,537,212.72	May 2043	388,836.81
August 2033	4,303,784.95	July 2038	1,507,491.70	June 2043	377,407.58
September 2033	4,233,502.63	August 2038	1,478,224.59	July 2043	366,173.81
October 2033	4,164,224.54	September 2038	1,449,405.10	August 2043	355,132.66
November 2033	4,095,937.24	October 2038	1,421,027.03	September 2043	344,281.32
December 2033	4,028,627.46	November 2038	1,393,084.25	October 2043	333,617.02
January 2034	3,962,282.10	December 2038	1,365,570.72	November 2043	323,137.02
February 2034	3,896,888.25	January 2039	1,338,480.49	December 2043	312,838.62
March 2034	3,832,433.13	February 2039	1,311,807.66	January 2044	302,719.17
April 2034	3,768,904.15	March 2039	1,285,546.43	February 2044	292,776.03
May 2034	3,706,288.89	April 2039	1,259,691.08	March 2044	283,006.63
June 2034	3,644,575.06	May 2039	1,234,235.94	April 2044	273,408.39
July 2034	3,583,750.56	June 2039	1,209,175.44	May 2044	263,978.81
August 2034	3,523,803.42	July 2039	1,184,504.08	June 2044	254,715.41
September 2034	3,464,721.85	August 2039	1,160,216.42	July 2044	245,615.72
October 2034	3,406,494.20	September 2039	1,136,307.10	August 2044	236,677.33
November 2034	3,349,108.96	October 2039	1,112,770.82	September 2044	227,897.85
December 2034	3,292,554.79	November 2039	1,089,602.38	October 2044	219,274.94
January 2035	3,236,820.48	December 2039	1,066,796.62	November 2044	210,806.27
February 2035	3,181,894.98	January 2040	1,044,348.45	December 2044	202,489.55
March 2035	3,127,767.37	February 2040	1,022,252.86	January 2045	194,322.53
April 2035	3,074,426.88	March 2040	1,000,504.90	February 2045	186,302.97
May 2035	3,021,862.87	April 2040	979,099.69	March 2045	178,428.69
June 2035	2,970,064.85	May 2040	958,032.41	April 2045	170,697.51
July 2035	2,919,022.45	June 2040	937,298.30	May 2045	163,107.31
August 2035	2,868,725.46	July 2040	916,892.67	June 2045	155,655.96
September 2035	2,819,163.78	August 2040	896,810.90	July 2045	148,341.40
October 2035	2,770,327.45	September 2040	877,048.41	August 2045	141,161.57
November 2035	2,722,206.63	October 2040	857,600.70	September 2045	134,114.45
December 2035	2,674,791.62	November 2040	838,463.32	October 2045	127,198.05
January 2036	2,628,072.85	December 2040	819,631.87	November 2045	120,410.40
February 2036	2,582,040.86	January 2041	801,102.05	December 2045	113,749.56
March 2036	2,536,686.31	February 2041	782,869.56	January 2046	107,213.62
April 2036	2,492,000.01	March 2041	764,930.19	February 2046	100,800.69
May 2036	2,447,972.85	April 2041	747,279.79	March 2046	94,508.90
June 2036	2,404,595.88	May 2041	729,914.25	April 2046	88,336.44
July 2036	2,361,860.22	June 2041	712,829.53	May 2046	82,281.48
August 2036	2,319,757.15	July 2041	696,021.62	June 2046	76,342.24
September 2036	2,278,278.05	August 2041	679,486.59	July 2046	70,516.96

Aggregate Group I (Continued)

Distribution Date	Planned Balance	Distribution Date	Planned Balance	Distribution Date	Planned Balance
August 2046	$ 64,803.90	January 2047	$ 37,862.91	June 2047	$ 13,480.61
September 2046	59,201.36	February 2047	32,788.07	July 2047	8,894.11
October 2046	53,707.64	March 2047	27,813.97	August 2047	4,400.79
November 2046	48,321.09	April 2047	22,939.04	September 2047 and thereafter	0.00
December 2046	43,040.05	May 2047	18,161.76		

Aggregate Group II Planned Balances

Distribution Date	Planned Balance	Distribution Date	Planned Balance	Distribution Date	Planned Balance
Initial Balance	$54,461,000.00	November 2021	$36,076,654.52	November 2025	$19,159,466.18
December 2017	54,330,067.08	December 2021	35,648,992.95	December 2025	18,890,486.38
January 2018	54,183,814.74	January 2022	35,224,806.42	January 2026	18,625,027.37
February 2018	54,022,294.81	February 2022	34,804,065.68	February 2026	18,363,044.82
March 2018	53,845,570.81	March 2022	34,386,741.74	March 2026	18,104,494.97
April 2018	53,653,718.04	April 2022	33,972,805.83	April 2026	17,849,334.57
May 2018	53,446,823.48	May 2022	33,562,229.40	May 2026	17,597,520.93
June 2018	53,224,985.74	June 2022	33,154,984.15	June 2026	17,349,011.85
July 2018	52,988,315.03	July 2022	32,751,041.98	July 2026	17,103,765.67
August 2018	52,736,933.06	August 2022	32,350,375.04	August 2026	16,861,741.26
September 2018	52,470,972.91	September 2022	31,952,955.69	September 2026	16,622,897.96
October 2018	52,190,579.00	October 2022	31,558,756.51	October 2026	16,387,195.63
November 2018	51,895,906.88	November 2022	31,167,750.31	November 2026	16,154,594.62
December 2018	51,587,123.13	December 2022	30,779,910.09	December 2026	15,925,055.78
January 2019	51,264,405.23	January 2023	30,395,209.09	January 2027	15,698,540.43
February 2019	50,927,941.33	February 2023	30,013,620.76	February 2027	15,475,010.36
March 2019	50,577,930.10	March 2023	29,635,118.75	March 2027	15,254,427.84
April 2019	50,214,580.56	April 2023	29,259,676.95	April 2027	15,036,755.62
May 2019	49,838,111.81	May 2023	28,887,269.42	May 2027	14,821,956.88
June 2019	49,448,752.85	June 2023	28,517,870.45	June 2027	14,609,995.27
July 2019	49,046,742.31	July 2023	28,151,454.53	July 2027	14,400,834.89
August 2019	48,632,328.24	August 2023	27,787,996.35	August 2027	14,194,440.27
September 2019	48,205,767.79	September 2023	27,427,470.82	September 2027	13,990,776.40
October 2019	47,767,327.00	October 2023	27,069,853.02	October 2027	13,789,808.67
November 2019	47,317,280.47	November 2023	26,715,118.25	November 2027	13,591,502.94
December 2019	46,855,911.05	December 2023	26,363,242.01	December 2027	13,395,825.44
January 2020	46,383,509.57	January 2024	26,014,199.99	January 2028	13,202,742.86
February 2020	45,900,374.50	February 2024	25,667,968.06	February 2028	13,012,222.29
March 2020	45,406,811.61	March 2024	25,324,522.30	March 2028	12,824,231.21
April 2020	44,903,133.67	April 2024	24,983,838.98	April 2028	12,638,737.51
May 2020	44,403,567.46	May 2024	24,645,894.56	May 2028	12,455,709.49
June 2020	43,908,078.67	June 2024	24,310,665.67	June 2028	12,275,115.83
July 2020	43,416,633.24	July 2024	23,978,129.15	July 2028	12,096,925.60
August 2020	42,929,197.42	August 2024	23,648,262.02	August 2028	11,921,108.25
September 2020	42,445,737.70	September 2024	23,321,041.46	September 2028	11,747,633.61
October 2020	41,966,220.84	October 2024	22,997,795.40	October 2028	11,576,471.89
November 2020	41,490,613.87	November 2024	22,678,751.72	November 2028	11,407,593.64
December 2020	41,018,884.10	December 2024	22,363,857.73	December 2028	11,240,969.81
January 2021	40,550,999.08	January 2025	22,053,061.39	January 2029	11,076,571.70
February 2021	40,086,926.61	February 2025	21,746,311.30	February 2029	10,914,370.96
March 2021	39,626,634.77	March 2025	21,443,556.69	March 2029	10,754,339.57
April 2021	39,170,091.89	April 2025	21,144,747.40	April 2029	10,596,449.91
May 2021	38,717,266.55	May 2025	20,849,833.90	May 2029	10,440,674.65
June 2021	38,268,127.57	June 2025	20,558,767.26	June 2029	10,286,986.83
July 2021	37,822,644.04	July 2025	20,271,499.15	July 2029	10,135,359.80
August 2021	37,380,785.28	August 2025	19,987,981.85	August 2029	9,985,767.27
September 2021	36,942,520.85	September 2025	19,708,168.20	September 2029	9,838,183.25
October 2021	36,507,820.58	October 2025	19,432,011.65	October 2029	9,692,582.09

Aggregate Group II (Continued)

Distribution Date	Planned Balance	Distribution Date	Planned Balance	Distribution Date	Planned Balance
November 2029	$ 9,548,938.44	October 2034	$ 3,780,001.64	September 2039	$ 1,283,674.24
December 2029	9,407,227.29	November 2034	3,717,460.21	October 2039	1,257,461.52
January 2030	9,267,423.91	December 2034	3,655,802.82	November 2039	1,231,648.47
February 2030	9,129,503.90	January 2035	3,595,017.87	December 2039	1,206,229.62
March 2030	8,993,443.16	February 2035	3,535,093.90	January 2040	1,181,199.59
April 2030	8,859,217.88	March 2035	3,476,019.57	February 2040	1,156,553.08
May 2030	8,726,804.55	April 2035	3,417,783.72	March 2040	1,132,284.85
June 2030	8,596,179.95	May 2035	3,360,375.29	April 2040	1,108,389.71
July 2030	8,467,321.15	June 2035	3,303,783.40	May 2040	1,084,862.56
August 2030	8,340,205.52	July 2035	3,247,997.27	June 2040	1,061,698.36
September 2030	8,214,810.69	August 2035	3,193,006.30	July 2040	1,038,892.14
October 2030	8,091,114.57	September 2035	3,138,799.97	August 2040	1,016,438.98
November 2030	7,969,095.36	October 2035	3,085,367.95	September 2040	994,334.03
December 2030	7,848,731.51	November 2035	3,032,699.99	October 2040	972,572.50
January 2031	7,730,001.77	December 2035	2,980,786.00	November 2040	951,149.68
February 2031	7,612,885.12	January 2036	2,929,616.02	December 2040	930,060.90
March 2031	7,497,360.82	February 2036	2,879,180.20	January 2041	909,301.55
April 2031	7,383,408.38	March 2036	2,829,468.81	February 2041	888,867.10
May 2031	7,271,007.58	April 2036	2,780,472.27	March 2041	868,753.06
June 2031	7,160,138.43	May 2036	2,732,181.09	April 2041	848,955.00
July 2031	7,050,781.22	June 2036	2,684,585.94	May 2041	829,468.56
August 2031	6,942,916.45	July 2036	2,637,677.56	June 2041	810,289.42
September 2031	6,836,524.89	August 2036	2,591,446.84	July 2041	791,413.33
October 2031	6,731,587.53	September 2036	2,545,884.78	August 2041	772,836.09
November 2031	6,628,085.62	October 2036	2,500,982.49	September 2041	754,553.55
December 2031	6,526,000.62	November 2036	2,456,731.20	October 2041	736,561.62
January 2032	6,425,314.25	December 2036	2,413,122.24	November 2041	718,856.27
February 2032	6,326,008.42	January 2037	2,370,147.06	December 2041	701,433.50
March 2032	6,228,065.30	February 2037	2,327,797.21	January 2042	684,289.38
April 2032	6,131,467.27	March 2037	2,286,064.36	February 2042	667,420.03
May 2032	6,036,196.92	April 2037	2,244,940.27	March 2042	650,821.62
June 2032	5,942,237.08	May 2037	2,204,416.82	April 2042	634,490.36
July 2032	5,849,570.78	June 2037	2,164,485.99	May 2042	618,422.53
August 2032	5,758,181.25	July 2037	2,125,139.85	June 2042	602,614.43
September 2032	5,668,051.97	August 2037	2,086,370.58	July 2042	587,062.44
October 2032	5,579,166.58	September 2037	2,048,170.47	August 2042	571,762.96
November 2032	5,491,508.95	October 2037	2,010,531.88	September 2042	556,712.45
December 2032	5,405,063.16	November 2037	1,973,447.31	October 2042	541,907.41
January 2033	5,319,813.47	December 2037	1,936,909.31	November 2042	527,344.41
February 2033	5,235,744.33	January 2038	1,900,910.56	December 2042	513,020.03
March 2033	5,152,840.42	February 2038	1,865,443.81	January 2043	498,930.91
April 2033	5,071,086.59	March 2038	1,830,501.91	February 2043	485,073.74
May 2033	4,990,467.87	April 2038	1,796,077.82	March 2043	471,445.24
June 2033	4,910,969.49	May 2038	1,762,164.56	April 2043	458,042.20
July 2033	4,832,576.87	June 2038	1,728,755.26	May 2043	444,861.41
August 2033	4,755,275.61	July 2038	1,695,843.12	June 2043	431,899.73
September 2033	4,679,051.48	August 2038	1,663,421.45	July 2043	419,154.07
October 2033	4,603,890.45	September 2038	1,631,483.63	August 2043	406,621.36
November 2033	4,529,778.63	October 2038	1,600,023.13	September 2043	394,298.57
December 2033	4,456,702.35	November 2038	1,569,033.50	October 2043	382,182.72
January 2034	4,384,648.08	December 2038	1,538,508.37	November 2043	370,270.88
February 2034	4,313,602.46	January 2039	1,508,441.46	December 2043	358,560.13
March 2034	4,243,552.32	February 2039	1,478,826.57	January 2044	347,047.61
April 2034	4,174,484.65	March 2039	1,449,657.57	February 2044	335,730.49
May 2034	4,106,386.57	April 2039	1,420,928.43	March 2044	324,605.98
June 2034	4,039,245.41	May 2039	1,392,633.16	April 2044	313,671.32
July 2034	3,973,048.64	June 2039	1,364,765.89	May 2044	302,923.80
August 2034	3,907,783.87	July 2039	1,337,320.79	June 2044	292,360.74
September 2034	3,843,438.89	August 2039	1,310,292.13	July 2044	281,979.48

Aggregate Group II (Continued)

Distribution Date	Planned Balance	Distribution Date	Planned Balance	Distribution Date	Planned Balance
August 2044	$ 271,777.43	September 2045	$ 154,330.52	October 2046	$ 61,639.14
September 2044	261,751.99	October 2045	146,381.63	November 2046	55,404.88
October 2044	251,900.63	November 2045	138,576.67	December 2046	49,289.27
November 2044	242,220.84	December 2045	130,913.54	January 2047	43,290.53
December 2044	232,710.14	January 2046	123,390.17	February 2047	37,406.91
January 2045	223,366.10	February 2046	116,004.51	March 2047	31,636.70
February 2045	214,186.29	March 2046	108,754.51	April 2047	25,978.21
March 2045	205,168.35	April 2046	101,638.20	May 2047	20,429.75
April 2045	196,309.92	May 2046	94,653.61	June 2047	14,989.67
May 2045	187,608.69	June 2046	87,798.77	July 2047	9,656.35
June 2045	179,062.37	July 2046	81,071.79	August 2047	4,428.17
July 2045	170,668.72	August 2046	74,470.76	September 2047 and thereafter	0.00
August 2045	162,425.50	September 2046	67,993.83		

Aggregate Group III Planned Balances

Distribution Date	Planned Balance	Distribution Date	Planned Balance	Distribution Date	Planned Balance
Initial Balance	$208,077,000.00	March 2021	$150,575,643.25	July 2024	$ 91,286,510.05
December 2017	207,511,227.79	April 2021	148,856,394.44	August 2024	90,027,630.69
January 2018	206,888,432.37	May 2021	147,150,590.01	September 2024	88,779,391.52
February 2018	206,208,852.22	June 2021	145,458,120.81	October 2024	87,547,392.46
March 2018	205,472,768.12	July 2021	143,778,878.52	November 2024	86,331,429.73
April 2018	204,680,503.12	August 2021	142,112,755.65	December 2024	85,131,302.06
May 2018	203,832,422.29	September 2021	140,459,645.56	January 2025	83,946,810.61
June 2018	202,928,932.48	October 2021	138,819,442.40	February 2025	82,777,759.04
July 2018	201,970,482.05	November 2021	137,192,041.15	March 2025	81,623,953.37
August 2018	200,957,560.54	December 2021	135,577,337.60	April 2025	80,485,202.04
September 2018	199,890,698.20	January 2022	133,975,228.34	May 2025	79,361,315.80
October 2018	198,770,465.64	February 2022	132,385,610.75	June 2025	78,252,107.78
November 2018	197,597,473.24	March 2022	130,808,383.00	July 2025	77,157,393.35
December 2018	196,372,370.66	April 2022	129,243,444.04	August 2025	76,076,990.19
January 2019	195,095,846.22	May 2022	127,690,693.61	September 2025	75,010,718.20
February 2019	193,768,626.21	June 2022	126,150,032.21	October 2025	73,958,399.51
March 2019	192,391,474.25	July 2022	124,621,361.11	November 2025	72,919,858.42
April 2019	190,965,190.51	August 2022	123,104,582.33	December 2025	71,894,921.40
May 2019	189,490,610.92	September 2022	121,599,598.67	January 2026	70,883,417.05
June 2019	187,968,606.32	October 2022	120,106,313.64	February 2026	69,885,176.08
July 2019	186,400,081.59	November 2022	118,624,631.52	March 2026	68,900,031.29
August 2019	184,785,974.68	December 2022	117,154,457.32	April 2026	67,927,817.54
September 2019	183,127,255.70	January 2023	115,695,696.76	May 2026	66,968,371.70
October 2019	181,424,925.86	February 2023	114,248,256.33	June 2026	66,021,532.68
November 2019	179,680,016.42	March 2023	112,812,043.19	July 2026	65,087,141.34
December 2019	177,893,587.63	April 2023	111,386,965.25	August 2026	64,165,040.54
January 2020	176,066,727.54	May 2023	109,972,931.10	September 2026	63,255,075.03
February 2020	174,200,550.92	June 2023	108,569,850.07	October 2026	62,357,091.52
March 2020	172,296,197.98	July 2023	107,177,632.14	November 2026	61,470,938.57
April 2020	170,406,787.87	August 2023	105,796,188.01	December 2026	60,596,466.63
May 2020	168,532,199.91	September 2023	104,425,429.08	January 2027	59,733,527.99
June 2020	166,672,314.33	October 2023	103,065,267.40	February 2027	58,881,976.75
July 2020	164,827,012.32	November 2023	101,715,615.71	March 2027	58,041,668.82
August 2020	162,996,175.96	December 2023	100,376,387.44	April 2027	57,212,461.89
September 2020	161,179,688.24	January 2024	99,047,496.64	May 2027	56,394,215.40
October 2020	159,377,433.04	February 2024	97,728,858.07	June 2027	55,586,790.52
November 2020	157,589,295.15	March 2024	96,420,387.12	July 2027	54,790,050.15
December 2020	155,815,160.24	April 2024	95,121,999.84	August 2027	54,003,858.87
January 2021	154,054,914.87	May 2024	93,833,612.90	September 2027	53,228,082.94
February 2021	152,308,446.44	June 2024	92,555,143.65	October 2027	52,462,590.25

Aggregate Group III (Continued)

Distribution Date	Planned Balance	Distribution Date	Planned Balance	Distribution Date	Planned Balance
November 2027	$ 51,707,250.35	October 2032	$ 21,203,063.22	September 2037	$ 7,775,828.49
December 2027	50,961,934.39	November 2032	20,869,553.90	October 2037	7,632,810.44
January 2028	50,226,515.12	December 2032	20,540,661.84	November 2037	7,491,900.86
February 2028	49,500,866.84	January 2033	20,216,327.03	December 2037	7,353,071.43
March 2028	48,784,865.44	February 2033	19,896,490.19	January 2038	7,216,294.20
April 2028	48,078,388.31	March 2033	19,581,092.80	February 2038	7,081,541.58
May 2028	47,381,314.39	April 2033	19,270,077.06	March 2038	6,948,786.32
June 2028	46,693,524.08	May 2033	18,963,385.90	April 2038	6,818,001.52
July 2028	46,014,899.29	June 2033	18,660,962.97	May 2038	6,689,160.65
August 2028	45,345,323.38	July 2033	18,362,752.63	June 2038	6,562,237.47
September 2028	44,684,681.16	August 2033	18,068,699.93	July 2038	6,437,206.13
October 2028	44,032,858.86	September 2033	17,778,750.62	August 2038	6,314,041.07
November 2028	43,389,744.11	October 2033	17,492,851.13	September 2038	6,192,717.09
December 2028	42,755,225.97	November 2033	17,210,948.55	October 2038	6,073,209.29
January 2029	42,129,194.82	December 2033	16,932,990.66	November 2038	5,955,493.10
February 2029	41,511,542.44	January 2034	16,658,925.88	December 2038	5,839,544.26
March 2029	40,902,161.94	February 2034	16,388,703.27	January 2039	5,725,338.82
April 2029	40,300,947.75	March 2034	16,122,272.56	February 2039	5,612,853.15
May 2029	39,707,795.61	April 2034	15,859,584.10	March 2039	5,502,063.91
June 2029	39,122,602.57	May 2034	15,600,588.84	April 2039	5,392,948.07
July 2029	38,545,266.92	June 2034	15,345,238.40	May 2039	5,285,482.89
August 2029	37,975,688.26	July 2034	15,093,484.96	June 2039	5,179,645.93
September 2029	37,413,767.39	August 2034	14,845,281.32	July 2039	5,075,415.02
October 2029	36,859,406.39	September 2034	14,600,580.90	August 2039	4,972,768.30
November 2029	36,312,508.51	October 2034	14,359,337.67	September 2039	4,871,684.18
December 2029	35,772,978.22	November 2034	14,121,506.20	October 2039	4,772,141.34
January 2030	35,240,721.20	December 2034	13,887,041.63	November 2039	4,674,118.76
February 2030	34,715,644.25	January 2035	13,655,899.66	December 2039	4,577,595.65
March 2030	34,197,655.39	February 2035	13,428,036.58	January 2040	4,482,551.54
April 2030	33,686,663.74	March 2035	13,203,409.18	February 2040	4,388,966.18
May 2030	33,182,579.56	April 2035	12,981,974.85	March 2040	4,296,819.60
June 2030	32,685,314.23	May 2035	12,763,691.47	April 2040	4,206,092.09
July 2030	32,194,780.23	June 2035	12,548,517.50	May 2040	4,116,764.20
August 2030	31,710,891.15	July 2035	12,336,411.88	June 2040	4,028,816.71
September 2030	31,233,561.62	August 2035	12,127,334.10	July 2040	3,942,230.67
October 2030	30,762,707.35	September 2035	11,921,244.16	August 2040	3,856,987.36
November 2030	30,298,245.10	October 2035	11,718,102.56	September 2040	3,773,068.31
December 2030	29,840,092.68	November 2035	11,517,870.29	October 2040	3,690,455.30
January 2031	29,388,168.90	December 2035	11,320,508.86	November 2040	3,609,130.32
February 2031	28,942,393.59	January 2036	11,125,980.24	December 2040	3,529,075.62
March 2031	28,502,687.59	February 2036	10,934,246.90	January 2041	3,450,273.67
April 2031	28,068,972.72	March 2036	10,745,271.78	February 2041	3,372,707.15
May 2031	27,641,171.77	April 2036	10,559,018.30	March 2041	3,296,359.00
June 2031	27,219,208.49	May 2036	10,375,450.32	April 2041	3,221,212.35
July 2031	26,803,007.61	June 2036	10,194,532.19	May 2041	3,147,250.56
August 2031	26,392,494.77	July 2036	10,016,228.69	June 2041	3,074,457.22
September 2031	25,987,596.54	August 2036	9,840,505.06	July 2041	3,002,816.12
October 2031	25,588,240.42	September 2036	9,667,326.98	August 2041	2,932,311.25
November 2031	25,194,354.81	October 2036	9,496,660.55	September 2041	2,862,926.83
December 2031	24,805,869.00	November 2036	9,328,472.32	October 2041	2,794,647.28
January 2032	24,422,713.18	December 2036	9,162,729.26	November 2041	2,727,457.22
February 2032	24,044,818.39	January 2037	8,999,398.77	December 2041	2,661,341.46
March 2032	23,672,116.55	February 2037	8,838,448.64	January 2042	2,596,285.03
April 2032	23,304,540.43	March 2037	8,679,847.09	February 2042	2,532,273.13
May 2032	22,942,023.62	April 2037	8,523,562.74	March 2042	2,469,291.18
June 2032	22,584,500.58	May 2037	8,369,564.62	April 2042	2,407,324.77
July 2032	22,231,906.54	June 2037	8,217,822.14	May 2042	2,346,359.69
August 2032	21,884,177.60	July 2037	8,068,305.10	June 2042	2,286,381.91
September 2032	21,541,250.60	August 2037	7,920,983.69	July 2042	2,227,377.59

Aggregate Group III (Continued)

Distribution Date	Planned Balance	Distribution Date	Planned Balance	Distribution Date	Planned Balance
August 2042	$ 2,169,333.06	May 2044	$ 1,149,720.77	February 2046	$ 441,312.78
September 2042	2,112,234.83	June 2044	1,109,674.12	March 2046	413,848.17
October 2042	2,056,069.60	July 2044	1,070,318.11	April 2046	386,891.07
November 2042	2,000,824.24	August 2044	1,031,642.80	May 2046	360,433.99
December 2042	1,946,485.79	September 2044	993,638.38	June 2046	334,469.53
January 2043	1,893,041.44	October 2044	956,295.17	July 2046	308,990.40
February 2043	1,840,478.59	November 2044	919,603.63	August 2046	283,989.40
March 2043	1,788,784.77	December 2044	883,554.34	September 2046	259,459.44
April 2043	1,737,947.69	January 2045	848,137.99	October 2046	235,393.50
May 2043	1,687,955.21	February 2045	813,345.42	November 2046	211,784.68
June 2043	1,638,795.37	March 2045	779,167.58	December 2046	188,626.16
July 2043	1,590,456.35	April 2045	745,595.54	January 2047	165,911.22
August 2043	1,542,926.49	May 2045	712,620.48	February 2047	143,633.22
September 2043	1,496,194.29	June 2045	680,233.72	March 2047	121,785.63
October 2043	1,450,248.38	July 2045	648,426.68	April 2047	100,361.98
November 2043	1,405,077.58	August 2045	617,190.90	May 2047	79,355.91
December 2043	1,360,670.81	September 2045	586,518.02	June 2047	58,761.14
January 2044	1,317,017.18	October 2045	556,399.82	July 2047	38,571.47
February 2044	1,274,105.91	November 2045	526,828.16	August 2047	18,780.79
March 2044	1,231,926.39	December 2045	497,795.02	September 2047 and	
April 2044	1,190,468.12	January 2046	469,292.49	thereafter	0.00

Aggregate Group IV Planned Balances

Distribution Date	Planned Balance	Distribution Date	Planned Balance	Distribution Date	Planned Balance
Initial Balance	$179,692,000.00	July 2020	$142,342,004.38	March 2023	$ 97,422,711.37
December 2017	179,203,408.19	August 2020	140,760,923.47	April 2023	96,192,036.92
January 2018	178,665,572.06	September 2020	139,192,233.80	May 2023	94,970,899.71
February 2018	178,078,697.54	October 2020	137,635,835.12	June 2023	93,759,221.43
March 2018	177,443,027.12	November 2020	136,091,627.93	July 2023	92,556,924.36
April 2018	176,758,839.78	December 2020	134,559,513.48	August 2023	91,363,931.37
May 2018	176,026,450.77	January 2021	133,039,393.80	September 2023	90,180,165.94
June 2018	175,246,211.46	February 2021	131,531,171.68	October 2023	89,005,552.13
July 2018	174,418,509.05	March 2021	130,034,750.64	November 2023	87,840,014.59
August 2018	173,543,766.28	April 2021	128,550,034.95	December 2023	86,683,478.53
September 2018	172,622,441.08	May 2021	127,076,929.61	January 2024	85,535,869.76
October 2018	171,655,026.20	June 2021	125,615,340.35	February 2024	84,397,114.64
November 2018	170,642,048.78	July 2021	124,165,173.64	March 2024	83,267,140.12
December 2018	169,584,069.85	August 2021	122,726,336.66	April 2024	82,145,873.68
January 2019	168,481,683.81	September 2021	121,298,737.30	May 2024	81,033,243.39
February 2019	167,335,517.90	October 2021	119,882,284.16	June 2024	79,929,177.85
March 2019	166,146,231.56	November 2021	118,476,886.55	July 2024	78,833,606.22
April 2019	164,914,515.80	December 2021	117,082,454.46	August 2024	77,746,458.20
May 2019	163,641,092.52	January 2022	115,698,898.60	September 2024	76,668,498.87
June 2019	162,326,713.77	February 2022	114,326,130.35	October 2024	75,604,564.25
July 2019	160,972,160.96	March 2022	112,964,061.76	November 2024	74,554,478.34
August 2019	159,578,244.13	April 2022	111,612,605.58	December 2024	73,518,067.33
September 2019	158,145,801.02	May 2022	110,271,675.21	January 2025	72,495,159.52
October 2019	156,675,696.28	June 2022	108,941,184.74	February 2025	71,485,585.33
November 2019	155,168,820.48	July 2022	107,621,048.90	March 2025	70,489,177.27
December 2019	153,626,089.22	August 2022	106,311,183.08	April 2025	69,505,769.88
January 2020	152,048,442.16	September 2022	105,011,503.32	May 2025	68,535,199.75
February 2020	150,436,841.96	October 2022	103,721,926.33	June 2025	67,577,305.49
March 2020	148,792,273.31	November 2022	102,442,369.41	July 2025	66,631,927.67
April 2020	147,160,609.05	December 2022	101,172,750.55	August 2025	65,698,908.84
May 2020	145,541,744.95	January 2023	99,912,988.34	September 2025	64,778,093.45
June 2020	143,935,577.60	February 2023	98,663,002.00	October 2025	63,869,327.91

Aggregate Group IV (Continued)

Distribution Date	Planned Balance
November 2025	$ 62,972,460.48
December 2025	62,087,341.31
January 2026	61,213,822.37
February 2026	60,351,757.49
March 2026	59,501,002.25
April 2026	58,661,414.05
May 2026	57,832,852.01
June 2026	57,015,177.02
July 2026	56,208,251.65
August 2026	55,411,940.19
September 2026	54,626,108.57
October 2026	53,850,624.41
November 2026	53,085,356.94
December 2026	52,330,177.00
January 2027	51,584,957.03
February 2027	50,849,571.04
March 2027	50,123,894.59
April 2027	49,407,804.79
May 2027	48,701,180.24
June 2027	48,003,901.07
July 2027	47,315,848.87
August 2027	46,636,906.69
September 2027	45,966,959.03
October 2027	45,305,891.83
November 2027	44,653,592.41
December 2027	44,009,949.50
January 2028	43,374,853.21
February 2028	42,748,195.00
March 2028	42,129,867.67
April 2028	41,519,765.36
May 2028	40,917,783.50
June 2028	40,323,818.82
July 2028	39,737,769.34
August 2028	39,159,534.32
September 2028	38,589,014.30
October 2028	38,026,111.01
November 2028	37,470,727.43
December 2028	36,922,767.74
January 2029	36,382,137.28
February 2029	35,848,742.60
March 2029	35,322,491.37
April 2029	34,803,292.44
May 2029	34,291,055.77
June 2029	33,785,692.44
July 2029	33,287,114.64
August 2029	32,795,235.64
September 2029	32,309,969.80
October 2029	31,831,232.52
November 2029	31,358,940.28
December 2029	30,893,010.59
January 2030	30,433,361.95
February 2030	29,979,913.93
March 2030	29,532,587.06
April 2030	29,091,302.86
May 2030	28,655,983.85
June 2030	28,226,553.49
July 2030	27,802,936.20
August 2030	27,385,057.34
September 2030	26,972,843.22
October 2030	$ 26,566,221.02
November 2030	26,165,118.88
December 2030	25,769,465.79
January 2031	25,379,191.66
February 2031	24,994,227.26
March 2031	24,614,504.21
April 2031	24,239,955.00
May 2031	23,870,512.96
June 2031	23,506,112.25
July 2031	23,146,687.84
August 2031	22,792,175.54
September 2031	22,442,511.92
October 2031	22,097,634.38
November 2031	21,757,481.09
December 2031	21,421,990.98
January 2032	21,091,103.75
February 2032	20,764,759.88
March 2032	20,442,900.55
April 2032	20,125,467.70
May 2032	19,812,404.01
June 2032	19,503,652.84
July 2032	19,199,158.29
August 2032	18,898,865.14
September 2032	18,602,718.89
October 2032	18,310,665.70
November 2032	18,022,652.39
December 2032	17,738,626.49
January 2033	17,458,536.15
February 2033	17,182,330.19
March 2033	16,909,958.06
April 2033	16,641,369.85
May 2033	16,376,516.28
June 2033	16,115,348.69
July 2033	15,857,819.03
August 2033	15,603,879.83
September 2033	15,353,484.26
October 2033	15,106,586.04
November 2033	14,863,139.50
December 2033	14,623,099.52
January 2034	14,386,421.57
February 2034	14,153,061.67
March 2034	13,922,976.38
April 2034	13,696,122.83
May 2034	13,472,458.69
June 2034	13,251,942.14
July 2034	13,034,531.90
August 2034	12,820,187.23
September 2034	12,608,867.86
October 2034	12,400,534.08
November 2034	12,195,146.64
December 2034	11,992,666.80
January 2035	11,793,056.30
February 2035	11,596,277.40
March 2035	11,402,292.78
April 2035	11,211,065.64
May 2035	11,022,559.62
June 2035	10,836,738.83
July 2035	10,653,567.82
August 2035	10,473,011.61
September 2035	$ 10,295,035.64
October 2035	10,119,605.81
November 2035	9,946,688.43
December 2035	9,776,250.26
January 2036	9,608,258.47
February 2036	9,442,680.63
March 2036	9,279,484.75
April 2036	9,118,639.23
May 2036	8,960,112.87
June 2036	8,803,874.88
July 2036	8,649,894.84
August 2036	8,498,142.73
September 2036	8,348,588.91
October 2036	8,201,204.12
November 2036	8,055,959.46
December 2036	7,912,826.42
January 2037	7,771,776.82
February 2037	7,632,782.87
March 2037	7,495,817.12
April 2037	7,360,852.46
May 2037	7,227,862.16
June 2037	7,096,819.78
July 2037	6,967,699.26
August 2037	6,840,474.86
September 2037	6,715,121.15
October 2037	6,591,613.06
November 2037	6,469,925.81
December 2037	6,350,034.94
January 2038	6,231,916.32
February 2038	6,115,546.12
March 2038	6,000,900.80
April 2038	5,887,957.15
May 2038	5,776,692.24
June 2038	5,667,083.42
July 2038	5,559,108.36
August 2038	5,452,744.99
September 2038	5,347,971.55
October 2038	5,244,766.53
November 2038	5,143,108.71
December 2038	5,042,977.15
January 2039	4,944,351.17
February 2039	4,847,210.35
March 2039	4,751,534.54
April 2039	4,657,303.85
May 2039	4,564,498.64
June 2039	4,473,099.54
July 2039	4,383,087.40
August 2039	4,294,443.34
September 2039	4,207,148.71
October 2039	4,121,185.11
November 2039	4,036,534.38
December 2039	3,953,178.58
January 2040	3,871,100.01
February 2040	3,790,281.19
March 2040	3,710,704.88
April 2040	3,632,354.06
May 2040	3,555,211.93
June 2040	3,479,261.89
July 2040	3,404,487.57

Aggregate Group IV (Continued)

Distribution Date	Planned Balance	Distribution Date	Planned Balance	Distribution Date	Planned Balance
August 2040	$ 3,330,872.81	January 2043	$ 1,634,840.62	June 2045	$ 587,479.33
September 2040	3,258,401.67	February 2043	1,589,448.19	July 2045	560,011.28
October 2040	3,187,058.40	March 2043	1,544,806.23	August 2045	533,036.56
November 2040	3,116,827.46	April 2043	1,500,904.14	September 2045	506,547.96
December 2040	3,047,693.50	May 2043	1,457,731.44	October 2045	480,538.36
January 2041	2,979,641.39	June 2043	1,415,277.79	November 2045	455,000.74
February 2041	2,912,656.20	July 2043	1,373,532.99	December 2045	429,928.19
March 2041	2,846,723.15	August 2043	1,332,486.97	January 2046	405,313.87
April 2041	2,781,827.71	September 2043	1,292,129.78	February 2046	381,151.03
May 2041	2,717,955.50	October 2043	1,252,451.64	March 2046	357,433.04
June 2041	2,655,092.34	November 2043	1,213,442.86	April 2046	334,153.32
July 2041	2,593,224.23	December 2043	1,175,093.89	May 2046	311,305.41
August 2041	2,532,337.36	January 2044	1,137,395.31	June 2046	288,882.92
September 2041	2,472,418.09	February 2044	1,100,337.83	July 2046	266,879.55
October 2041	2,413,452.96	March 2044	1,063,912.27	August 2046	245,289.09
November 2041	2,355,428.70	April 2044	1,028,109.57	September 2046	224,105.41
December 2041	2,298,332.19	May 2044	992,920.81	October 2046	203,322.45
January 2042	2,242,150.50	June 2044	958,337.17	November 2046	182,934.25
February 2042	2,186,870.85	July 2044	924,349.95	December 2046	162,934.92
March 2042	2,132,480.65	August 2044	890,950.57	January 2047	143,318.67
April 2042	2,078,967.46	September 2044	858,130.57	February 2047	124,079.75
May 2042	2,026,318.99	October 2044	825,881.57	March 2047	105,212.51
June 2042	1,974,523.14	November 2044	794,195.34	April 2047	86,711.40
July 2042	1,923,567.96	December 2044	763,063.75	May 2047	68,570.89
August 2042	1,873,441.63	January 2045	732,478.76	June 2047	50,785.58
September 2042	1,824,132.52	February 2045	702,432.46	July 2047	33,350.10
October 2042	1,775,629.13	March 2045	672,917.02	August 2047	16,259.19
November 2042	1,727,920.12	April 2045	643,924.74	September 2047 and thereafter	0.00
December 2042	1,680,994.30	May 2045	615,448.02		

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PROSPECTUS SUPPLEMENT

RBC Capital Markets

November 22, 2017