

\$412,765,684
Government National Mortgage Association
GINNIE MAE®
Guaranteed HECM MBS REMIC Pass-Through Securities
and MX Securities
Ginnie Mae REMIC Trust 2021-H14

The Securities

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

The Ginnie Mae Guaranty

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

The Trust and its Assets

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

The securities may not be suitable investments for you. You should consider carefully the risks of investing in them. See “Risk Factors” beginning on page S-27 which highlights some of these risks.

The Sponsor and the Co-Sponsor will offer the securities from time to time in negotiated transactions at varying prices. We expect the closing date to be September 30, 2021.

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

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

Class of REMIC Securities	Original Principal Balance(2)	Interest Rate	Principal Type(3)	Interest Type(3)	CUSIP Number	Final Distribution Date(4)
Security Group 1						
AI	\$ 5,000,000	(5)	NTL(SC/HPT)	HWAC/IO/DLY	38382YDP5	April 2070
FA	5,000,000	(5)	SC/HPT	FLT/HWAC/HZ	38382YDQ3	April 2070
Security Group 2						
AF(1)	8,264,834	(5)	HPT	FLT/HWAC/HZ	38382YDR1	August 2071
IA(1)	8,264,834	(5)	NTL(HPT)	HWAC/IO/DLY	38382YDS9	August 2071
Security Group 3						
BI(1)	15,030,037	(5)	NTL(HPT)	HWAC/IO/DLY	38382YDT7	September 2071
FB(1)	15,030,037	(5)	HPT	FLT/HWAC/HZ	38382YDU4	September 2071
Security Group 4						
BF	20,099,746	(5)	HPT	FLT/HWAC/HZ	38382YDV2	September 2071
IB(1)	20,099,746	(5)	NTL(HPT)	HWAC/IO/DLY	38382YDW0	September 2071
Security Group 5						
CI(1)	20,009,484	(5)	NTL(HPT)	HWAC/IO/DLY	38382YDX8	September 2071
FC	20,009,484	(5)	HPT	FLT/HWAC/HZ	38382YDY6	September 2071
Security Group 6						
CF	31,432,886	(5)	HPT	FLT/HWAC/HZ	38382YDZ3	September 2071
IC(1)	31,432,886	(5)	NTL(HPT)	HWAC/IO/DLY	38382YEA7	September 2071
Security Group 7						
DI(1)	10,071,159	(5)	NTL(HPT)	HWAC/IO/DLY	38382YEB5	September 2071
FD	10,071,159	(5)	HPT	FLT/HWAC/HZ	38382YEC3	September 2071
Security Group 8						
DF(1)	11,415,033	(5)	HPT	FLT/HWAC/HZ	38382YED1	August 2071
ID(1)	11,415,033	(5)	NTL(HPT)	HWAC/IO/DLY	38382YEE9	August 2071
Security Group 9						
EI(1)	20,854,760	(5)	NTL(HPT)	HWAC/IO/DLY	38382YEF6	August 2071
FE(1)	20,854,760	(5)	HPT	FLT/HWAC/HZ	38382YEG4	August 2071
Security Group 10						
EF	42,010,729	(5)	HPT	FLT/HWAC/HZ	38382YEH2	September 2071
IE(1)	42,010,729	(5)	NTL(HPT)	HWAC/IO/DLY	38382YEJ8	September 2071
Security Group 11						
FG	23,262,231	(5)	HPT	FLT/HWAC/HZ	38382YEK5	September 2071
GI(1)	23,262,231	(5)	NTL(HPT)	HWAC/IO/DLY	38382YEL3	September 2071
Security Group 12						
GF	25,000,000	(5)	HPT	FLT/HWAC/HZ	38382YEM1	September 2071
IG(1)	25,000,000	(5)	NTL(HPT)	HWAC/IO/DLY	38382YEN9	September 2071
Security Group 13						
FH	51,421,699	(5)	HPT	FLT/HWAC/HZ	38382YEP4	September 2071
HI(1)	51,421,699	(5)	NTL(HPT)	HWAC/IO/DLY	38382YEQ2	September 2071

(cover continued on next page)

Citigroup

AmeriVet Securities

The date of this Offering Circular Supplement is September 24, 2021.

Class of REMIC Securities	Original Principal Balance(2)	Interest Rate	Principal Type(3)	Interest Type(3)	CUSIP Number	Final Distribution Date(4)
Security Group 14						
HF	\$50,000,000	(5)	HPT	FLT/HWAC/HZ	38382YER0	September 2071
IH(1)	50,000,000	(5)	NTL(HPT)	HWAC/IO/DLY	38382YES8	September 2071
Security Group 15						
FJ	27,505,343	(5)	HPT	FLT/HWAC/HZ	38382YET6	September 2071
JJ	27,505,343	(5)	NTL(HPT)	HWAC/IO/DLY	38382YEU3	September 2071
Security Group 16						
LA	22,580,238	1.00%	SC/HSEQ	FIX/HZ	38382YEV1	June 2071
LD(1)	7,526,746	(5)	SC/HSEQ	HWAC/HZ/DLY	38382YEW9	June 2071
LI(1)	22,580,238	(5)	NTL(SC/HSEQ)	HWAC/IO/DLY	38382YEX7	June 2071
Security Group 17						
AL	15,960,569	1.00	SC/HSEQ	FIX/HZ	38382YEY5	August 2071
DL(1)	5,320,190	(5)	SC/HSEQ	HWAC/HZ/DLY	38382YEZ2	August 2071
IL(1)	15,960,569	(5)	NTL(SC/HSEQ)	HWAC/IO/DLY	38382YFA6	August 2071
Residuals						
RR	0	0.00	NPR	NPR	38382YFB4	September 2071
RR1	0	0.00	NPR	NPR	38382YFC2	April 2070
RR13	0	0.00	NPR	NPR	38382YFD0	September 2071
RR14	0	0.00	NPR	NPR	38382YFE8	September 2071

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

AVAILABLE INFORMATION

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

- this Offering Circular Supplement (this “Supplement”),
- the Base Offering Circular,
- the HECM MBS Base Prospectus dated June 1, 2014 (the “HECM MBS Base Prospectus”),
- each HECM MBS Prospectus Supplement relating to the HECM MBS (the “HECM MBS Prospectus Supplements,” together with the HECM MBS Base Prospectus, the “HECM MBS Disclosure Documents”) and
- in the case of the Group 1, 16 and 17 Securities, the disclosure documents relating to the Underlying Certificates (the “Underlying Certificates Disclosure Documents”).

The Base Offering Circular, the HECM MBS Disclosure Documents and the Underlying Certificate Disclosure Documents are available on Ginnie Mae’s website located at <http://www.ginniemae.gov> (“ginniemae.gov”).

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

Unless otherwise specifically defined herein, please consult the standard abbreviations of Class Types included in the Base Offering Circular as Appendix I and the glossary included in the Base Offering Circular as Appendix II for definitions of capitalized terms.

TABLE OF CONTENTS

	<u>Page</u>		<u>Page</u>
Terms Sheet	S-3	Plan of Distribution	S-122
Risk Factors	S-27	Increase in Size	S-122
The Trust Assets	S-35	Legal Matters	S-122
Ginnie Mae Guaranty	S-38	Schedule I: Available Combinations	S-I-1
Description of the Securities	S-38	Exhibit A: Assumed Characteristics of the HECMs and the Participations Underlying the Group 2 through 15 and Subgroup 16A and 17A Trust Assets	A-1
Yield, Maturity and Prepayment Considerations	S-43	Exhibit B: CPR Percentage in Effect by HECM Age	B-1
Certain United States Federal Income Tax Consequences	S-119	Exhibit C: Draw Curve in Effect by HECM Age	C-1
ERISA Matters	S-121	Exhibit D: Underlying Certificates	D-1
Legal Investment Considerations	S-122	Exhibit E: Updated Exhibit A	E-1

TERMS SHEET

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

Sponsor: Citigroup Global Markets Inc.

Co-Sponsor: AmeriVet Securities, Inc.

Trustee: U.S. Bank National Association

Tax Administrator: The Trustee

Closing Date: September 30, 2021

Distribution Date: The 20th day of each month or, if the 20th day is not a Business Day, the first Business Day thereafter, commencing in October 2021.

Trust Assets:

Trust Asset Group or Subgroup ⁽¹⁾	Trust Asset Type ⁽²⁾	HECM MBS Principal Balance	HECM MBS Rate ⁽³⁾	Original Term to Maturity (in years)	Interest Rates or Approximate Weighted Average Margins of Participations ⁽⁴⁾
1	Underlying Certificate	\$ 5,000,000	(5)	(5)	(5)
2	Ginnie Mae II	8,264,834	(6)	50	1.579% to 1.640%
3	Ginnie Mae II	15,030,037	(6)	50	1.015% to 1.890%
4	Ginnie Mae II	20,099,746	(6)	50	1.623% to 2.015%
5	Ginnie Mae II	20,009,484	(6)	50	1.349% to 3.515%
6	Ginnie Mae II	31,432,886	(6)	50	1.623% to 3.770%
7	Ginnie Mae II	10,071,159	(6)	50	1.140% to 1.515%
8	Ginnie Mae II	11,415,033	(6)	50	1.744% to 2.140%
9	Ginnie Mae II	20,854,760	(6)	50	1.779% to 2.323%
10	Ginnie Mae II	42,010,729	(6)	50	1.390% to 1.705%
11	Ginnie Mae II	23,262,231	(6)	50	1.100% to 1.679%
12	Ginnie Mae II	25,000,000	(6)	50	1.203% to 1.765%
13	Ginnie Mae II	51,421,699	(6)	50	1.120% to 1.765%
14	Ginnie Mae II	50,000,000	(6)	50	1.471% to 3.100%
15	Ginnie Mae II	27,505,343	(6)	50	1.250% to 2.481%
16A	Ginnie Mae II	21,529,072	(3)	50	2.140% to 4.450%
16B	Underlying Certificate	8,577,912	(5)	(5)	(5)
17A	Ginnie Mae II	15,258,445	(3)	50	2.700% to 3.950%
17B	Underlying Certificate	6,022,314	(5)	(5)	(5)

⁽¹⁾ The Group 16 and 17 Trust Assets consist of the enumerated subgroups (each, a “Subgroup”).

⁽²⁾ The Group 2 through 15 and Subgroup 16A and 17A Trust Assets are HECM MBS backed by participation interests (each, a “Participation”) in advances made to borrowers and related amounts in respect of home equity conversion mortgage loans (“HECMs”) insured by FHA. See “*The Trust Assets — The Participations and the HECMs*” in this Supplement. Certain additional information regarding the HECM MBS, including related pool numbers, is set forth in Exhibit A to this Supplement.

⁽³⁾ The HECM MBS Rate for each Group 2 through 15 and Subgroup 16A and 17A Trust Asset is the weighted average coupon of its related Participation interest rates (“WACR”). WACR constitutes the Weighted Average Coupon Rate for purposes of this Supplement. See “*The Trust Assets — The Trust MBS*” in this Supplement.

- (4) For Groups 2 through 15, reflects the range of approximate weighted average margins on the Participations (net of the related Servicing Fee Margin) underlying the related HECM MBS pools. For Subgroups 16A and 17A, reflects the range of interest rates of the Participations (net of the related Servicing Fee Margin) underlying the related HECM MBS pools at issuance.
- (5) Certain information regarding the Underlying Certificates is set forth in Exhibits D and E to this Supplement.
- (6) The applicable index for each of the Group 2 through 15 Trust Assets is one-year CMT (“One-Year CMT”). The actual HECM lifetime caps on interest rate adjustments may limit whether the HECM MBS Rate for a particular Group 2 through 15 Trust Asset remains at One-Year CMT (as determined pursuant to the HECM loan documents) plus the applicable margin. *See “The Trust Assets — The Trust MBS” and “Risk Factors — Adjustable rate HECMs are subject to limitations on interest rate adjustments, which may limit the amount of interest payable in respect of the related HECM MBS and may limit the WACR on the related HECM MBS and the interest rates on the group 1 through 15 securities” in this Supplement.*

Security Groups: This series of Securities consists of multiple Security Groups (each, a “Group”), as shown on the front cover of this Supplement and on Schedule I to this Supplement. Except in the case of Classes FQ, IM, IN, IO, IQ, IY, MI, NI, QF, QI and YI, payments on each Group will be based solely on payments on the Trust Asset Group with the same numerical designation.

Assumed Characteristics of the HECMs and the Participations Underlying the Group 2 through 15 and Subgroup 16A and 17A Trust Assets: The assumed characteristics of the HECMs and the Participations underlying the Group 2 through 15 and Subgroup 16A and 17A Trust Assets are identified in Exhibit A to this Supplement. The assumed characteristics may differ, perhaps significantly, from the characteristics of the HECMs and the related Participations as of the date of issuance of the related HECM MBS, which characteristics are identified in the related HECM MBS Prospectus Supplement. There can be no assurance that the actual characteristics of the HECMs and the Participations underlying the Group 2 through 15 and Subgroup 16A and 17A Trust Assets will be the same as the assumed characteristics identified in Exhibit A to this Supplement.

Assumed Characteristics of the HECMs and the Participations Underlying the Group 1 and Subgroup 16B and 17B Underlying Certificates: The assumed characteristics of the HECMs and the Participations underlying the Underlying Certificates are identified in the respective updated Exhibit A for the Underlying Certificates (the “Updated Exhibits A”) in Exhibit E to this Supplement. The assumed characteristics may differ, perhaps significantly, from the characteristics of the HECMs and the related Participations as of the date of issuance of the related HECM MBS, which characteristics are identified in the related HECM MBS Prospectus Supplement. There can be no assurance that the actual characteristics of the HECMs and the Participations underlying the Underlying Certificates will be the same as the assumed characteristics identified in the Updated Exhibits A in Exhibit E to this Supplement.

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

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

Increased Minimum Denomination Classes: Each Regular and MX Class. *See “Description of the Securities — Form of Securities” in this Supplement.*

Interest Rates: The Interest Rates for the Fixed Rate Classes are shown on the front cover of this Supplement.

The Floating Rate Classes will bear interest at per annum rates based on a 30-day compounded average of the Secured Overnight Financing Rate (“SOFR”) (hereinafter referred to as “Compounded SOFR”) as follows:

Class	Interest Rate Formula(1)	Initial Interest Rate(2)	Minimum Rate(3)	Maximum Rate(4)	Delay (in days)	Compounded SOFR for Minimum Interest Rate
Security Group 1						
FA	Compounded SOFR + 0.30%	0.35000%	0.30000%	7.50000%	0	0.00000%
Security Group 2						
AF	Compounded SOFR + 1.30%	1.40000%	1.30000%	(4)	0	0.00000%
Security Group 3						
FB	Compounded SOFR + 1.30%	1.40000%	1.30000%	(4)	0	0.00000%
Security Groups 2 and 3						
QF	Compounded SOFR + 1.30%	1.40000%	1.30000%	(5)	0	0.00000%
Security Group 4						
BF	Compounded SOFR + 1.40%	1.50000%	1.40000%	(4)	0	0.00000%
Security Group 5						
FC	Compounded SOFR + 1.50%	1.60000%	1.50000%	(4)	0	0.00000%
Security Group 6						
CF	Compounded SOFR + 1.40%	1.50000%	1.40000%	(4)	0	0.00000%
Security Group 7						
FD	Compounded SOFR + 1.20%	1.30000%	1.20000%	(4)	0	0.00000%
Security Group 8						
DF	Compounded SOFR + 1.50%	1.60000%	1.50000%	(4)	0	0.00000%
Security Group 9						
FE	Compounded SOFR + 1.50%	1.60000%	1.50000%	(4)	0	0.00000%
Security Groups 8 and 9						
FQ	Compounded SOFR + 1.50%	1.60000%	1.50000%	(5)	0	0.00000%
Security Group 10						
EF	Compounded SOFR + 1.30%	1.40000%	1.30000%	(4)	0	0.00000%
Security Group 11						
FG	Compounded SOFR + 1.40%	1.50000%	1.40000%	(4)	0	0.00000%
Security Group 12						
GF	Compounded SOFR + 0.92%	1.02000%	0.92000%	(4)	0	0.00000%
Security Group 13						
FH	Compounded SOFR + 1.25%	1.35000%	1.25000%	(4)	0	0.00000%
Security Group 14						
HF	Compounded SOFR + 1.50%	1.60000%	1.50000%	(4)	0	0.00000%
Security Group 15						
FJ	Compounded SOFR + 1.50%	1.55000%	1.50000%	(4)	0	0.00000%

- (1) Compounded SOFR will be established as described under “Description of the Securities — Interest Distributions — Floating Rate Classes” in this Supplement.
- (2) The initial Interest Rate will be in effect during the first Accrual Period; the Interest Rate for each Floating Rate Class will adjust monthly thereafter.
- (3) The minimum rate for any Accrual Period will be the lesser of (i) the rate indicated in this table under the heading “Minimum Rate” and (ii) the WACR for the related Trust Asset Group or Groups.
- (4) Except as otherwise indicated in this table, the maximum rate for any Accrual Period will be the lesser of (i) the rate indicated in this table under the heading “Maximum Rate” and (ii) the WACR for the related Trust Asset Group or Groups. *See “Risk Factors — The maximum rate on each floating rate class could limit the amount of interest that accrues on such class” in this Supplement.*
- (5) The maximum rate for each of Classes FQ and QF for any Accrual Period will be limited by the aggregate interest accrued on the related REMIC Classes for that Accrual Period.

Each of the Floating Rate Classes will bear interest during each Accrual Period at a per annum rate equal to the lesser of the related maximum rate and the result based on the related interest rate formula described above.

The approximate initial Interest Rates for the Interest Only Classes and Classes DL, DY, LD and YD are set forth in the table below.

<u>Class</u>	<u>Approximate Initial Interest Rate⁽¹⁾</u>
Security Group 1	
AI	0.08838%
Security Group 2	
IA	0.26181%
Security Group 3	
BI	0.27338%
Security Group 4	
IB	0.22266%
Security Groups 2 and 4	
QI ⁽²⁾	0.23407%
Security Group 5	
CI	0.23484%
Security Group 6	
IC	0.19998%
Security Group 7	
DI	0.22404%
Security Group 8	
ID	0.22567%
Security Group 9	
EI	0.27462%
Security Groups 2, 3, 4, 5 and 9	
IO ⁽²⁾	0.25130%
Security Groups 3, 5 and 9	
IQ ⁽²⁾	0.26005%
Security Group 10	
IE	0.20770%
Security Groups 6 and 10	
IY ⁽²⁾	0.20439%
Security Group 11	
GI	0.23705%
Security Groups 7, 8 and 11	
IN ⁽²⁾	0.23122%
Security Groups 8 and 11	
NI ⁽²⁾	0.23330%
Security Group 12	
IG	0.61687%
Security Group 13	
HI	0.11228%

Class	Approximate Initial Interest Rate ⁽¹⁾
Security Groups 12 and 13	
IM ⁽²⁾	0.27735%
Security Group 14	
IH	0.12647%
Security Groups 12 and 14	
MI ⁽²⁾	0.28994%
Security Groups 12, 13 and 14	
YI ⁽²⁾	0.21768%
Security Group 15	
JL	0.32863%
Security Group 16	
LD	2.93075%
LI	1.93075%
YD ⁽²⁾	8.72303%
Security Group 17	
DL	3.09679%
DY ⁽²⁾	9.38718%
IL	2.09679%

(1) The approximate initial Interest Rates for the Classes set forth in the table above (other than Class AI) were calculated using the assumed characteristics of the Group 2 through 15 and Subgroup 16A and 17A HECMs and the Participations underlying the related Group 2 through 15 and Subgroup 16A and 17A Trust Assets set forth in Exhibit A, which are provided by the Sponsor as of September 1, 2021. The approximate initial Interest Rates for Classes AI, DL, DY, IL, LD, LI and YD were calculated using the assumed characteristics of the Group 1 Underlying Certificate and the Group 1 and Subgroup 16B and 17B HECMs and the Participations underlying the related Group 1 and Subgroup 16B and 17B Trust Assets set forth in Exhibit E, which are provided by the Sponsor as of September 1, 2021. The assumed characteristics include rounded weighted average gross interest rates on the HECMs related to the Participations backing the Trust Assets. The actual initial Interest Rates for such Classes will be calculated based on the interest that accrues on each HECM, aggregated and then rounded to a different level of precision. Therefore the actual Interest Rates for such Classes may differ from the approximate initial Interest Rates set forth herein. On or about the first Distribution Date, investors can obtain the actual initial Interest Rates for such Classes for the related Accrual Period from the Trustee's website, www.usbank.com/abs.

(2) MX Class.

Each of Classes DL and LD is an HWAC Class that will bear interest during each Accrual Period at a per annum rate equal to the WACR of the related Trust Assets.

Each of Classes DY, IM, IN, IO, IQ, IY, MI, NI, QI, YD and YI is an MX Class that is an HWAC Class that will accrue interest during each Accrual Period at an equivalent annualized rate derived by aggregating the accrued interest on its related REMIC Classes for such Accrual Period expressed as a percentage of its outstanding principal or notional balance for such Accrual Period.

Security Group 1

Class AI Interest Rate: For any Distribution Date, a per annum rate equal to the product of (i) 12 multiplied by (ii) the quotient of (a) the excess, if any, of (I) the interest accrued for the Accrual Period immediately preceding such Distribution Date on the Group 1 Trust Asset over (II) the Class FA Interest Accrual Amount for such Distribution Date, divided by (b) the outstanding principal balance of the Group 1 Trust Asset as of the related Record Date for Class AI.

Security Group 2

Class IA Interest Rate: For any Distribution Date, a per annum rate equal to the product of (i) 12 multiplied by (ii) the quotient of (a) the excess, if any, of (I) the interest accrued for the Accrual Period immediately preceding such Distribution Date on the Group 2 Trust Assets over (II) the Class AF Interest Accrual Amount for such Distribution Date, divided by (b) the outstanding principal balance of the Group 2 Trust Assets as of the related Record Date for Class IA.

Security Group 3

Class BI Interest Rate: For any Distribution Date, a per annum rate equal to the product of (i) 12 multiplied by (ii) the quotient of (a) the excess, if any, of (I) the interest accrued for the Accrual Period immediately preceding such Distribution Date on the Group 3 Trust Assets over (II) the Class FB Interest Accrual Amount for such Distribution Date, divided by (b) the outstanding principal balance of the Group 3 Trust Assets as of the related Record Date for Class BI.

Security Group 4

Class IB Interest Rate: For any Distribution Date, a per annum rate equal to the product of (i) 12 multiplied by (ii) the quotient of (a) the excess, if any, of (I) the interest accrued for the Accrual Period immediately preceding such Distribution Date on the Group 4 Trust Assets over (II) the Class BF Interest Accrual Amount for such Distribution Date, divided by (b) the outstanding principal balance of the Group 4 Trust Assets as of the related Record Date for Class IB.

Security Group 5

Class CI Interest Rate: For any Distribution Date, a per annum rate equal to the product of (i) 12 multiplied by (ii) the quotient of (a) the excess, if any, of (I) the interest accrued for the Accrual Period immediately preceding such Distribution Date on the Group 5 Trust Assets over (II) the Class FC Interest Accrual Amount for such Distribution Date, divided by (b) the outstanding principal balance of the Group 5 Trust Assets as of the related Record Date for Class CI.

Security Group 6

Class IC Interest Rate: For any Distribution Date, a per annum rate equal to the product of (i) 12 multiplied by (ii) the quotient of (a) the excess, if any, of (I) the interest accrued for the Accrual Period immediately preceding such Distribution Date on the Group 6 Trust Assets over (II) the Class CF Interest Accrual Amount for such Distribution Date, divided by (b) the outstanding principal balance of the Group 6 Trust Assets as of the related Record Date for Class IC.

Security Group 7

Class DI Interest Rate: For any Distribution Date, a per annum rate equal to the product of (i) 12 multiplied by (ii) the quotient of (a) the excess, if any, of (I) the interest accrued for the Accrual Period immediately preceding such Distribution Date on the Group 7 Trust Assets over (II) the Class FD Interest Accrual Amount for such Distribution Date, divided by (b) the outstanding principal balance of the Group 7 Trust Assets as of the related Record Date for Class DI.

Security Group 8

Class ID Interest Rate: For any Distribution Date, a per annum rate equal to the product of (i) 12 multiplied by (ii) the quotient of (a) the excess, if any, of (I) the interest accrued for the Accrual Period immediately preceding such Distribution Date on the Group 8 Trust Assets over (II) the Class DF Interest Accrual Amount for such Distribution Date, divided by (b) the outstanding principal balance of the Group 8 Trust Assets as of the related Record Date for Class ID.

Security Group 9

Class EI Interest Rate: For any Distribution Date, a per annum rate equal to the product of (i) 12 multiplied by (ii) the quotient of (a) the excess, if any, of (I) the interest accrued for the Accrual Period

immediately preceding such Distribution Date on the Group 9 Trust Assets over (II) the Class FE Interest Accrual Amount for such Distribution Date, divided by (b) the outstanding principal balance of the Group 9 Trust Assets as of the related Record Date for Class EI.

Security Group 10

Class IE Interest Rate: For any Distribution Date, a per annum rate equal to the product of (i) 12 multiplied by (ii) the quotient of (a) the excess, if any, of (I) the interest accrued for the Accrual Period immediately preceding such Distribution Date on the Group 10 Trust Assets over (II) the Class EF Interest Accrual Amount for such Distribution Date, divided by (b) the outstanding principal balance of the Group 10 Trust Assets as of the related Record Date for Class IE.

Security Group 11

Class GI Interest Rate: For any Distribution Date, a per annum rate equal to the product of (i) 12 multiplied by (ii) the quotient of (a) the excess, if any, of (I) the interest accrued for the Accrual Period immediately preceding such Distribution Date on the Group 11 Trust Assets over (II) the Class FG Interest Accrual Amount for such Distribution Date, divided by (b) the outstanding principal balance of the Group 11 Trust Assets as of the related Record Date for Class GI.

Security Group 12

Class IG Interest Rate: For any Distribution Date, a per annum rate equal to the product of (i) 12 multiplied by (ii) the quotient of (a) the excess, if any, of (I) the interest accrued for the Accrual Period immediately preceding such Distribution Date on the Group 12 Trust Assets over (II) the Class GF Interest Accrual Amount for such Distribution Date, divided by (b) the outstanding principal balance of the Group 12 Trust Assets as of the related Record Date for Class IG.

Security Group 13

Class HI Interest Rate: For any Distribution Date, a per annum rate equal to the product of (i) 12 multiplied by (ii) the quotient of (a) the excess, if any, of (I) the interest accrued for the Accrual Period immediately preceding such Distribution Date on the Group 13 Trust Assets over (II) the Class FH Interest Accrual Amount for such Distribution Date, divided by (b) the outstanding principal balance of the Group 13 Trust Assets as of the related Record Date for Class HI.

Security Group 14

Class IH Interest Rate: For any Distribution Date, a per annum rate equal to the product of (i) 12 multiplied by (ii) the quotient of (a) the excess, if any, of (I) the interest accrued for the Accrual Period immediately preceding such Distribution Date on the Group 14 Trust Assets over (II) the Class HF Interest Accrual Amount for such Distribution Date, divided by (b) the outstanding principal balance of the Group 14 Trust Assets as of the related Record Date for Class IH.

Security Group 15

Class JI Interest Rate: For any Distribution Date, a per annum rate equal to the product of (i) 12 multiplied by (ii) the quotient of (a) the excess, if any, of (I) the interest accrued for the Accrual Period immediately preceding such Distribution Date on the Group 15 Trust Assets over (II) the Class FJ Interest Accrual Amount for such Distribution Date, divided by (b) the outstanding principal balance of the Group 15 Trust Assets as of the related Record Date for Class JI.

Security Group 16

Class LI Interest Rate: For any Distribution Date, a per annum rate equal to the product of (i) 12 multiplied by (ii) the quotient of (a) the excess, if any, of (I) the interest accrued for the Accrual Period immediately preceding such Distribution Date on the Group 16 Trust Assets over (II) the sum of the Class LA Interest Accrual Amount and the Class LD Interest Accrual Amount for such Distribution Date, divided by (b) the sum of the Class LA Principal Balance and the Class LI Deferred Interest Amount as of the related Record Date for Class LI.

Security Group 17

Class IL Interest Rate: For any Distribution Date, a per annum rate equal to the product of (i) 12 multiplied by (ii) the quotient of (a) the excess, if any, of (I) the interest accrued for the Accrual Period immediately preceding such Distribution Date on the Group 17 Trust Assets over (II) the sum of the Class AL Interest Accrual Amount and the Class DL Interest Accrual Amount for such Distribution Date, divided by (b) the sum of the Class AL Principal Balance and the Class IL Deferred Interest Amount as of the related Record Date for Class IL.

Distributions: On each Distribution Date, the following distributions will be made to the related Securities:

SECURITY GROUP 1

The Group 1 Available Distribution Amount will be allocated in the following order of priority:

1. Concurrently, to AI and FA, pro rata based on their respective Interest Accrual Amounts, up to the Class AI Interest Accrual Amount and the Class FA Interest Accrual Amount for such Distribution Date
2. To FA, in reduction of its Class Principal Balance, up to the amount of the Class FA Principal Distribution Amount for such Distribution Date, until retired
3. To AI, until the Class AI Deferred Interest Amount is reduced to zero

SECURITY GROUP 2

The Group 2 Available Distribution Amount will be allocated in the following order of priority:

1. Concurrently, to AF and IA, pro rata based on their respective Interest Accrual Amounts, up to the Class AF Interest Accrual Amount and the Class IA Interest Accrual Amount for such Distribution Date
2. To AF, in reduction of its Class Principal Balance, up to the amount of the Class AF Principal Distribution Amount for such Distribution Date, until retired
3. To IA, until the Class IA Deferred Interest Amount is reduced to zero

SECURITY GROUP 3

The Group 3 Available Distribution Amount will be allocated in the following order of priority:

1. Concurrently, to BI and FB, pro rata based on their respective Interest Accrual Amounts, up to the Class BI Interest Accrual Amount and the Class FB Interest Accrual Amount for such Distribution Date
2. To FB, in reduction of its Class Principal Balance, up to the amount of the Class FB Principal Distribution Amount for such Distribution Date, until retired
3. To BI, until the Class BI Deferred Interest Amount is reduced to zero

SECURITY GROUP 4

The Group 4 Available Distribution Amount will be allocated in the following order of priority:

1. Concurrently, to BF and IB, pro rata based on their respective Interest Accrual Amounts, up to the Class BF Interest Accrual Amount and the Class IB Interest Accrual Amount for such Distribution Date
2. To BF, in reduction of its Class Principal Balance, up to the amount of the Class BF Principal Distribution Amount for such Distribution Date, until retired
3. To IB, until the Class IB Deferred Interest Amount is reduced to zero

SECURITY GROUP 5

The Group 5 Available Distribution Amount will be allocated in the following order of priority:

1. Concurrently, to CI and FC, pro rata based on their respective Interest Accrual Amounts, up to the Class CI Interest Accrual Amount and the Class FC Interest Accrual Amount for such Distribution Date
2. To FC, in reduction of its Class Principal Balance, up to the amount of the Class FC Principal Distribution Amount for such Distribution Date, until retired
3. To CI, until the Class CI Deferred Interest Amount is reduced to zero

SECURITY GROUP 6

The Group 6 Available Distribution Amount will be allocated in the following order of priority:

1. Concurrently, to CF and IC, pro rata based on their respective Interest Accrual Amounts, up to the Class CF Interest Accrual Amount and the Class IC Interest Accrual Amount for such Distribution Date
2. To CF, in reduction of its Class Principal Balance, up to the amount of the Class CF Principal Distribution Amount for such Distribution Date, until retired
3. To IC, until the Class IC Deferred Interest Amount is reduced to zero

SECURITY GROUP 7

The Group 7 Available Distribution Amount will be allocated in the following order of priority:

1. Concurrently, to DI and FD, pro rata based on their respective Interest Accrual Amounts, up to the Class DI Interest Accrual Amount and the Class FD Interest Accrual Amount for such Distribution Date
2. To FD, in reduction of its Class Principal Balance, up to the amount of the Class FD Principal Distribution Amount for such Distribution Date, until retired
3. To DI, until the Class DI Deferred Interest Amount is reduced to zero

SECURITY GROUP 8

The Group 8 Available Distribution Amount will be allocated in the following order of priority:

1. Concurrently, to DF and ID, pro rata based on their respective Interest Accrual Amounts, up to the Class DF Interest Accrual Amount and the Class ID Interest Accrual Amount for such Distribution Date
2. To DF, in reduction of its Class Principal Balance, up to the amount of the Class DF Principal Distribution Amount for such Distribution Date, until retired
3. To ID, until the Class ID Deferred Interest Amount is reduced to zero

SECURITY GROUP 9

The Group 9 Available Distribution Amount will be allocated in the following order of priority:

1. Concurrently, to EI and FE, pro rata based on their respective Interest Accrual Amounts, up to the Class EI Interest Accrual Amount and the Class FE Interest Accrual Amount for such Distribution Date
2. To FE, in reduction of its Class Principal Balance, up to the amount of the Class FE Principal Distribution Amount for such Distribution Date, until retired
3. To EI, until the Class EI Deferred Interest Amount is reduced to zero

SECURITY GROUP 10

The Group 10 Available Distribution Amount will be allocated in the following order of priority:

1. Concurrently, to EF and IE, pro rata based on their respective Interest Accrual Amounts, up to the Class EF Interest Accrual Amount and the Class IE Interest Accrual Amount for such Distribution Date
2. To EF, in reduction of its Class Principal Balance, up to the amount of the Class EF Principal Distribution Amount for such Distribution Date, until retired
3. To IE, until the Class IE Deferred Interest Amount is reduced to zero

SECURITY GROUP 11

The Group 11 Available Distribution Amount will be allocated in the following order of priority:

1. Concurrently, to FG and GI, pro rata based on their respective Interest Accrual Amounts, up to the Class FG Interest Accrual Amount and the Class GI Interest Accrual Amount for such Distribution Date
2. To FG, in reduction of its Class Principal Balance, up to the amount of the Class FG Principal Distribution Amount for such Distribution Date, until retired
3. To GI, until the Class GI Deferred Interest Amount is reduced to zero

SECURITY GROUP 12

The Group 12 Available Distribution Amount will be allocated in the following order of priority:

1. Concurrently, to GF and IG, pro rata based on their respective Interest Accrual Amounts, up to the Class GF Interest Accrual Amount and the Class IG Interest Accrual Amount for such Distribution Date
2. To GF, in reduction of its Class Principal Balance, up to the amount of the Class GF Principal Distribution Amount for such Distribution Date, until retired
3. To IG, until the Class IG Deferred Interest Amount is reduced to zero

SECURITY GROUP 13

The Group 13 Available Distribution Amount will be allocated in the following order of priority:

1. Concurrently, to FH and HI, pro rata based on their respective Interest Accrual Amounts, up to the Class FH Interest Accrual Amount and the Class HI Interest Accrual Amount for such Distribution Date
2. To FH, in reduction of its Class Principal Balance, up to the amount of the Class FH Principal Distribution Amount for such Distribution Date, until retired
3. To HI, until the Class HI Deferred Interest Amount is reduced to zero

SECURITY GROUP 14

The Group 14 Available Distribution Amount will be allocated in the following order of priority:

1. Concurrently, to HF and IH, pro rata based on their respective Interest Accrual Amounts, up to the Class HF Interest Accrual Amount and the Class IH Interest Accrual Amount for such Distribution Date
2. To HF, in reduction of its Class Principal Balance, up to the amount of the Class HF Principal Distribution Amount for such Distribution Date, until retired
3. To IH, until the Class IH Deferred Interest Amount is reduced to zero

SECURITY GROUP 15

The Group 15 Available Distribution Amount will be allocated in the following order of priority:

1. Concurrently, to FJ and JI, pro rata based on their respective Interest Accrual Amounts, up to the Class FJ Interest Accrual Amount and the Class JI Interest Accrual Amount for such Distribution Date
2. To FJ, in reduction of its Class Principal Balance, up to the amount of the Class FJ Principal Distribution Amount for such Distribution Date, until retired
3. To JI, until the Class JI Deferred Interest Amount is reduced to zero

SECURITY GROUP 16

The Group 16 Available Distribution Amount will be allocated in the following order of priority:

1. Concurrently, to LA, LD and LI, pro rata based on their respective Interest Accrual Amounts, up to the Class LA Interest Accrual Amount, the Class LD Interest Accrual Amount and the Class LI Interest Accrual Amount for such Distribution Date
2. To LA, in reduction of its Class Principal Balance, up to the amount of the Class LA Principal Distribution Amount for such Distribution Date, until retired
3. To LI, until the Class LI Deferred Interest Amount is reduced to zero
4. To LD, in reduction of its Class Principal Balance, until retired

SECURITY GROUP 17

The Group 17 Available Distribution Amount will be allocated in the following order of priority:

1. Concurrently, to AL, DL and IL, pro rata based on their respective Interest Accrual Amounts, up to the Class AL Interest Accrual Amount, the Class DL Interest Accrual Amount and the Class IL Interest Accrual Amount for such Distribution Date
2. To AL, in reduction of its Class Principal Balance, up to the amount of the Class AL Principal Distribution Amount for such Distribution Date, until retired
3. To IL, until the Class IL Deferred Interest Amount is reduced to zero
4. To DL, in reduction of its Class Principal Balance, until retired

Available Distribution Amount: For each of Security Groups 2 through 15, with respect to each Distribution Date, the excess, if any, of (a) the sum of (i) the product of (A) the original principal amount of the related HECM MBS and (B) the Certificate Factor or Calculated Certificate Factor, as applicable, for the preceding Distribution Date and (ii) the interest accrued with respect to such HECM MBS for the related Accrual Period over (b) the product of (i) the original principal amount of such HECM MBS and (ii) the Certificate Factor or Calculated Certificate Factor, as applicable, for the current Distribution Date. For Security Group 1, with respect to each Distribution Date, the amounts received in respect of the Group 1 Trust Asset on such Distribution Date. For Security Group 16, the sum of (x) for Subgroup 16A, the excess, if any, of (a) the sum of (i) the product of (A) the original principal amount of the related HECM MBS and (B) the Certificate Factor or Calculated Certificate Factor, as applicable, for the preceding Distribution Date and (ii) the interest accrued with respect to such HECM MBS for the related Accrual Period over (b) the product of (i) the original principal amount for such HECM MBS and (ii) the Certificate Factor or Calculated Certificate Factor, as applicable, for the current Distribution Date and (y) for Subgroup 16B, the amounts received in respect of the Subgroup 16B Trust Asset on such Distribution Date. For Security Group 17, the sum of (x) for Subgroup 17A, the excess, if any, of (a) the sum of (i) the product of (A) the original principal amount of the related HECM MBS and (B) the Certificate Factor or Calculated Certificate Factor, as applicable, for the preceding Distribution Date and (ii) the interest accrued with respect to such

HECM MBS for the related Accrual Period over (b) the product of (i) the original principal amount for such HECM MBS and (ii) the Certificate Factor or Calculated Certificate Factor, as applicable, for the current Distribution Date and (y) for Subgroup 17B, the amounts received in respect of the Subgroup 17B Trust Asset on such Distribution Date.

Security Group 1

Class AI Deferred Interest Amount: With respect to any Distribution Date, the excess, if any, of (i) the sum of all Class AI Interest Accrual Amounts for each Accrual Period ending before such Distribution Date over (ii) the sum of (a) all amounts distributed in respect of Class AI on all prior Distribution Dates plus (b) the amount distributed in respect of Class AI on such Distribution Date pursuant to step 1. under Security Group 1 in “Terms Sheet — Distributions” in this Supplement. After the occurrence of any Distribution Date in any month, the remaining Class AI Deferred Interest Amount can be calculated by subtracting the Class FA Principal Balance after giving effect to any principal distribution (or any addition) made with respect to such Class as of such Distribution Date from the outstanding principal balance of the Group 1 Trust Asset after giving effect to any payments or accruals on the related HECM MBS as of such Distribution Date.

Class AI Interest Accrual Amount: For any Distribution Date, interest accrued during the related Accrual Period for such Distribution Date at the related Class AI Interest Rate on the Class Notional Balance of Class AI (the “Class AI Notional Balance”) as of the related Record Date.

Class FA Interest Accrual Amount: For any Distribution Date, interest accrued during the related Accrual Period for such Distribution Date at the related Interest Rate on the Class Principal Balance of Class FA as of the related Record Date. If, on any Distribution Date, the Class FA Interest Accrual Amount for such Distribution Date exceeds the amount distributed in respect of Class FA pursuant to step 1. under Security Group 1 in “Terms Sheet — Distributions” in this Supplement, such excess will be added to the Class Principal Balance of Class FA (the “Class FA Principal Balance”).

Class FA Principal Distribution Amount: For any Distribution Date, the product of (i) the excess, if any, of (a) the Group 1 Available Distribution Amount for such Distribution Date over (b) the sum of the Class AI Interest Accrual Amount and the Class FA Interest Accrual Amount for such Distribution Date, and (ii) the quotient of (a) the Class FA Principal Balance as of the related Record Date divided by (b) the outstanding principal balance of the Group 1 Trust Asset as of the related Record Date for Class FA.

Security Group 2

Class AF Interest Accrual Amount: For any Distribution Date, interest accrued during the related Accrual Period for such Distribution Date at the related Interest Rate on the Class Principal Balance of Class AF as of the related Record Date. If, on any Distribution Date, the Class AF Interest Accrual Amount for such Distribution Date exceeds the amount distributed in respect of Class AF pursuant to step 1. under Security Group 2 in “Terms Sheet — Distributions” in this Supplement, such excess will be added to the Class Principal Balance of Class AF (the “Class AF Principal Balance”).

Class AF Principal Distribution Amount: For any Distribution Date, the product of (i) the excess, if any, of (a) the Group 2 Available Distribution Amount for such Distribution Date over (b) the sum of the Class AF Interest Accrual Amount and the Class IA Interest Accrual Amount for such Distribution Date, and (ii) the quotient of (a) the Class AF Principal Balance as of the related Record Date divided by (b) the outstanding principal balance of the Group 2 Trust Assets as of the related Record Date for Class AF.

Class IA Deferred Interest Amount: With respect to any Distribution Date, the excess, if any, of (i) the sum of all Class IA Interest Accrual Amounts for each Accrual Period ending before such Distribution Date over (ii) the sum of (a) all amounts distributed in respect of Class IA on all prior Distribution Dates plus (b) the amount distributed in respect of Class IA on such Distribution Date pursuant to step 1. under Security Group 2 in “Terms Sheet — Distributions” in this Supplement. After the occurrence of any Distribution Date in any month, the remaining Class IA Deferred Interest Amount can be calculated by subtracting the Class AF Principal Balance after giving effect to any principal distribution (or any addition) made with respect to such Class as of such Distribution Date from the outstanding principal balance of the Group 2 Trust Assets after giving effect to any payments or accruals on the related HECM MBS as of such Distribution Date.

Class IA Interest Accrual Amount: For any Distribution Date, interest accrued during the related Accrual Period for such Distribution Date at the related Class IA Interest Rate on the Class Notional Balance of Class IA (the “Class IA Notional Balance”) as of the related Record Date.

Security Group 3

Class BI Deferred Interest Amount: With respect to any Distribution Date, the excess, if any, of (i) the sum of all Class BI Interest Accrual Amounts for each Accrual Period ending before such Distribution Date over (ii) the sum of (a) all amounts distributed in respect of Class BI on all prior Distribution Dates plus (b) the amount distributed in respect of Class BI on such Distribution Date pursuant to step 1. under Security Group 3 in “Terms Sheet — Distributions” in this Supplement. After the occurrence of any Distribution Date in any month, the remaining Class BI Deferred Interest Amount can be calculated by subtracting the Class FB Principal Balance after giving effect to any principal distribution (or any addition) made with respect to such Class as of such Distribution Date from the outstanding principal balance of the Group 3 Trust Assets after giving effect to any payments or accruals on the related HECM MBS as of such Distribution Date.

Class BI Interest Accrual Amount: For any Distribution Date, interest accrued during the related Accrual Period for such Distribution Date at the related Class BI Interest Rate on the Class Notional Balance of Class BI (the “Class BI Notional Balance”) as of the related Record Date.

Class FB Interest Accrual Amount: For any Distribution Date, interest accrued during the related Accrual Period for such Distribution Date at the related Interest Rate on the Class Principal Balance of Class FB as of the related Record Date. If, on any Distribution Date, the Class FB Interest Accrual Amount for such Distribution Date exceeds the amount distributed in respect of Class FB pursuant to step 1. under Security Group 3 in “Terms Sheet — Distributions” in this Supplement, such excess will be added to the Class Principal Balance of Class FB (the “Class FB Principal Balance”).

Class FB Principal Distribution Amount: For any Distribution Date, the product of (i) the excess, if any, of (a) the Group 3 Available Distribution Amount for such Distribution Date over (b) the sum of the Class BI Interest Accrual Amount and the Class FB Interest Accrual Amount for such Distribution Date, and (ii) the quotient of (a) the Class FB Principal Balance as of the related Record Date divided by (b) the outstanding principal balance of the Group 3 Trust Assets as of the related Record Date for Class FB.

Security Group 4

Class BF Interest Accrual Amount: For any Distribution Date, interest accrued during the related Accrual Period for such Distribution Date at the related Interest Rate on the Class Principal Balance of Class BF as of the related Record Date. If, on any Distribution Date, the Class BF Interest Accrual Amount for such Distribution Date exceeds the amount distributed in respect of Class BF pursuant to step 1. under Security Group 4 in “Terms Sheet — Distributions” in this Supplement, such excess will be added to the Class Principal Balance of Class BF (the “Class BF Principal Balance”).

Class BF Principal Distribution Amount: For any Distribution Date, the product of (i) the excess, if any, of (a) the Group 4 Available Distribution Amount for such Distribution Date over (b) the sum of the Class BF Interest Accrual Amount and the Class IB Interest Accrual Amount for such Distribution Date, and (ii) the quotient of (a) the Class BF Principal Balance as of the related Record Date divided by (b) the outstanding principal balance of the Group 4 Trust Assets as of the related Record Date for Class BF.

Class IB Deferred Interest Amount: With respect to any Distribution Date, the excess, if any, of (i) the sum of all Class IB Interest Accrual Amounts for each Accrual Period ending before such Distribution Date over (ii) the sum of (a) all amounts distributed in respect of Class IB on all prior Distribution Dates plus (b) the amount distributed in respect of Class IB on such Distribution Date pursuant to step 1. under Security Group 4 in “Terms Sheet — Distributions” in this Supplement. After the occurrence of any Distribution Date in any month, the remaining Class IB Deferred Interest Amount can be calculated by subtracting the Class BF Principal Balance after giving effect to any principal distribution (or any addition) made with respect to such Class as of such Distribution Date from the outstanding principal balance of the Group 4 Trust Assets after giving effect to any payments or accruals on the related HECM MBS as of such Distribution Date.

Class IB Interest Accrual Amount: For any Distribution Date, interest accrued during the related Accrual Period for such Distribution Date at the related Class IB Interest Rate on the Class Notional Balance of Class IB (the “Class IB Notional Balance”) as of the related Record Date.

Security Groups 2 and 4

Class QI Deferred Interest Amount: With respect to any Distribution Date, the sum of the Class IA Deferred Interest Amount and the Class IB Deferred Interest Amount.

Security Group 5

Class CI Deferred Interest Amount: With respect to any Distribution Date, the excess, if any, of (i) the sum of all Class CI Interest Accrual Amounts for each Accrual Period ending before such Distribution Date over (ii) the sum of (a) all amounts distributed in respect of Class CI on all prior Distribution Dates plus (b) the amount distributed in respect of Class CI on such Distribution Date pursuant to step 1. under Security Group 5 in “Terms Sheet — Distributions” in this Supplement. After the occurrence of any Distribution Date in any month, the remaining Class CI Deferred Interest Amount can be calculated by subtracting the Class FC Principal Balance after giving effect to any principal distribution (or any addition) made with respect to such Class as of such Distribution Date from the outstanding principal balance of the Group 5 Trust Assets after giving effect to any payments or accruals on the related HECM MBS as of such Distribution Date.

Class CI Interest Accrual Amount: For any Distribution Date, interest accrued during the related Accrual Period for such Distribution Date at the related Class CI Interest Rate on the Class Notional Balance of Class CI (the “Class CI Notional Balance”) as of the related Record Date.

Class FC Interest Accrual Amount: For any Distribution Date, interest accrued during the related Accrual Period for such Distribution Date at the related Interest Rate on the Class Principal Balance of Class FC as of the related Record Date. If, on any Distribution Date, the Class FC Interest Accrual Amount for such Distribution Date exceeds the amount distributed in respect of Class FC pursuant to step 1. under Security Group 5 in “Terms Sheet — Distributions” in this Supplement, such excess will be added to the Class Principal Balance of Class FC (the “Class FC Principal Balance”).

Class FC Principal Distribution Amount: For any Distribution Date, the product of (i) the excess, if any, of (a) the Group 5 Available Distribution Amount for such Distribution Date over (b) the sum of the Class CI Interest Accrual Amount and the Class FC Interest Accrual Amount for such Distribution Date, and (ii) the quotient of (a) the Class FC Principal Balance as of the related Record Date divided by (b) the outstanding principal balance of the Group 5 Trust Assets as of the related Record Date for Class FC.

Security Group 6

Class CF Interest Accrual Amount: For any Distribution Date, interest accrued during the related Accrual Period for such Distribution Date at the related Interest Rate on the Class Principal Balance of Class CF as of the related Record Date. If, on any Distribution Date, the Class CF Interest Accrual Amount for such Distribution Date exceeds the amount distributed in respect of Class CF pursuant to step 1. under Security Group 6 in “Terms Sheet — Distributions” in this Supplement, such excess will be added to the Class Principal Balance of Class CF (the “Class CF Principal Balance”).

Class CF Principal Distribution Amount: For any Distribution Date, the product of (i) the excess, if any, of (a) the Group 6 Available Distribution Amount for such Distribution Date over (b) the sum of the Class CF Interest Accrual Amount and the Class IC Interest Accrual Amount for such Distribution Date, and (ii) the quotient of (a) the Class CF Principal Balance as of the related Record Date divided by (b) the outstanding principal balance of the Group 6 Trust Assets as of the related Record Date for Class CF.

Class IC Deferred Interest Amount: With respect to any Distribution Date, the excess, if any, of (i) the sum of all Class IC Interest Accrual Amounts for each Accrual Period ending before such Distribution Date over (ii) the sum of (a) all amounts distributed in respect of Class IC on all prior Distribution Dates plus (b) the amount distributed in respect of Class IC on such Distribution Date pursuant to step 1. under Security Group 6 in “Terms Sheet — Distributions” in this Supplement. After the occurrence of any Distribution

Date in any month, the remaining Class IC Deferred Interest Amount can be calculated by subtracting the Class CF Principal Balance after giving effect to any principal distribution (or any addition) made with respect to such Class as of such Distribution Date from the outstanding principal balance of the Group 6 Trust Assets after giving effect to any payments or accruals on the related HECM MBS as of such Distribution Date.

Class IC Interest Accrual Amount: For any Distribution Date, interest accrued during the related Accrual Period for such Distribution Date at the related Class IC Interest Rate on the Class Notional Balance of Class IC (the “Class IC Notional Balance”) as of the related Record Date.

Security Group 7

Class DI Deferred Interest Amount: With respect to any Distribution Date, the excess, if any, of (i) the sum of all Class DI Interest Accrual Amounts for each Accrual Period ending before such Distribution Date over (ii) the sum of (a) all amounts distributed in respect of Class DI on all prior Distribution Dates plus (b) the amount distributed in respect of Class DI on such Distribution Date pursuant to step 1. under Security Group 7 in “Terms Sheet — Distributions” in this Supplement. After the occurrence of any Distribution Date in any month, the remaining Class DI Deferred Interest Amount can be calculated by subtracting the Class FD Principal Balance after giving effect to any principal distribution (or any addition) made with respect to such Class as of such Distribution Date from the outstanding principal balance of the Group 7 Trust Assets after giving effect to any payments or accruals on the related HECM MBS as of such Distribution Date.

Class DI Interest Accrual Amount: For any Distribution Date, interest accrued during the related Accrual Period for such Distribution Date at the related Class DI Interest Rate on the Class Notional Balance of Class DI (the “Class DI Notional Balance”) as of the related Record Date.

Class FD Interest Accrual Amount: For any Distribution Date, interest accrued during the related Accrual Period for such Distribution Date at the related Interest Rate on the Class Principal Balance of Class FD as of the related Record Date. If, on any Distribution Date, the Class FD Interest Accrual Amount for such Distribution Date exceeds the amount distributed in respect of Class FD pursuant to step 1. under Security Group 7 in “Terms Sheet — Distributions” in this Supplement, such excess will be added to the Class Principal Balance of Class FD (the “Class FD Principal Balance”).

Class FD Principal Distribution Amount: For any Distribution Date, the product of (i) the excess, if any, of (a) the Group 7 Available Distribution Amount for such Distribution Date over (b) the sum of the Class DI Interest Accrual Amount and the Class FD Interest Accrual Amount for such Distribution Date, and (ii) the quotient of (a) the Class FD Principal Balance as of the related Record Date divided by (b) the outstanding principal balance of the Group 7 Trust Assets as of the related Record Date for Class FD.

Security Group 8

Class DF Interest Accrual Amount: For any Distribution Date, interest accrued during the related Accrual Period for such Distribution Date at the related Interest Rate on the Class Principal Balance of Class DF as of the related Record Date. If, on any Distribution Date, the Class DF Interest Accrual Amount for such Distribution Date exceeds the amount distributed in respect of Class DF pursuant to step 1. under Security Group 8 in “Terms Sheet — Distributions” in this Supplement, such excess will be added to the Class Principal Balance of Class DF (the “Class DF Principal Balance”).

Class DF Principal Distribution Amount: For any Distribution Date, the product of (i) the excess, if any, of (a) the Group 8 Available Distribution Amount for such Distribution Date over (b) the sum of the Class DF Interest Accrual Amount and the Class ID Interest Accrual Amount for such Distribution Date, and (ii) the quotient of (a) the Class DF Principal Balance as of the related Record Date divided by (b) the outstanding principal balance of the Group 8 Trust Assets as of the related Record Date for Class DF.

Class ID Deferred Interest Amount: With respect to any Distribution Date, the excess, if any, of (i) the sum of all Class ID Interest Accrual Amounts for each Accrual Period ending before such Distribution Date over (ii) the sum of (a) all amounts distributed in respect of Class ID on all prior Distribution Dates plus (b) the amount distributed in respect of Class ID on such Distribution Date pursuant to step 1.

under Security Group 8 in “Terms Sheet — Distributions” in this Supplement. After the occurrence of any Distribution Date in any month, the remaining Class ID Deferred Interest Amount can be calculated by subtracting the Class DF Principal Balance after giving effect to any principal distribution (or any addition) made with respect to such Class as of such Distribution Date from the outstanding principal balance of the Group 8 Trust Assets after giving effect to any payments or accruals on the related HECM MBS as of such Distribution Date.

Class ID Interest Accrual Amount: For any Distribution Date, interest accrued during the related Accrual Period for such Distribution Date at the related Class ID Interest Rate on the Class Notional Balance of Class ID (the “Class ID Notional Balance”) as of the related Record Date.

Security Group 9

Class EI Deferred Interest Amount: With respect to any Distribution Date, the excess, if any, of (i) the sum of all Class EI Interest Accrual Amounts for each Accrual Period ending before such Distribution Date over (ii) the sum of (a) all amounts distributed in respect of Class EI on all prior Distribution Dates plus (b) the amount distributed in respect of Class EI on such Distribution Date pursuant to step 1. under Security Group 9 in “Terms Sheet — Distributions” in this Supplement. After the occurrence of any Distribution Date in any month, the remaining Class EI Deferred Interest Amount can be calculated by subtracting the Class FE Principal Balance after giving effect to any principal distribution (or any addition) made with respect to such Class as of such Distribution Date from the outstanding principal balance of the Group 9 Trust Assets after giving effect to any payments or accruals on the related HECM MBS as of such Distribution Date.

Class EI Interest Accrual Amount: For any Distribution Date, interest accrued during the related Accrual Period for such Distribution Date at the related Class EI Interest Rate on the Class Notional Balance of Class EI (the “Class EI Notional Balance”) as of the related Record Date.

Class FE Interest Accrual Amount: For any Distribution Date, interest accrued during the related Accrual Period for such Distribution Date at the related Interest Rate on the Class Principal Balance of Class FE as of the related Record Date. If, on any Distribution Date, the Class FE Interest Accrual Amount for such Distribution Date exceeds the amount distributed in respect of Class FE pursuant to step 1. under Security Group 9 in “Terms Sheet — Distributions” in this Supplement, such excess will be added to the Class Principal Balance of Class FE (the “Class FE Principal Balance”).

Class FE Principal Distribution Amount: For any Distribution Date, the product of (i) the excess, if any, of (a) the Group 9 Available Distribution Amount for such Distribution Date over (b) the sum of the Class EI Interest Accrual Amount and the Class FE Interest Accrual Amount for such Distribution Date, and (ii) the quotient of (a) the Class FE Principal Balance as of the related Record Date divided by (b) the outstanding principal balance of the Group 9 Trust Assets as of the related Record Date for Class FE.

Security Groups 2, 3, 4, 5 and 9

Class IO Deferred Interest Amount: With respect to any Distribution Date, the sum of the Class BI Deferred Interest Amount, the Class CI Deferred Interest Amount, the Class EI Deferred Interest Amount, the Class IA Deferred Interest Amount and the Class IB Deferred Interest Amount.

Security Groups 3, 5 and 9

Class IQ Deferred Interest Amount: With respect to any Distribution Date, the sum of the Class BI Deferred Interest Amount, the Class CI Deferred Interest Amount and the Class EI Deferred Interest Amount.

Security Group 10

Class EF Interest Accrual Amount: For any Distribution Date, interest accrued during the related Accrual Period for such Distribution Date at the related Interest Rate on the Class Principal Balance of Class EF as of the related Record Date. If, on any Distribution Date, the Class EF Interest Accrual Amount

for such Distribution Date exceeds the amount distributed in respect of Class EF pursuant to step 1. under Security Group 10 in “Terms Sheet — Distributions” in this Supplement, such excess will be added to the Class Principal Balance of Class EF (the “Class EF Principal Balance”).

Class EF Principal Distribution Amount: For any Distribution Date, the product of (i) the excess, if any, of (a) the Group 10 Available Distribution Amount for such Distribution Date over (b) the sum of the Class EF Interest Accrual Amount and the Class IE Interest Accrual Amount for such Distribution Date, and (ii) the quotient of (a) the Class EF Principal Balance as of the related Record Date divided by (b) the outstanding principal balance of the Group 10 Trust Assets as of the related Record Date for Class EF.

Class IE Deferred Interest Amount: With respect to any Distribution Date, the excess, if any, of (i) the sum of all Class IE Interest Accrual Amounts for each Accrual Period ending before such Distribution Date over (ii) the sum of (a) all amounts distributed in respect of Class IE on all prior Distribution Dates plus (b) the amount distributed in respect of Class IE on such Distribution Date pursuant to step 1. under Security Group 10 in “Terms Sheet — Distributions” in this Supplement. After the occurrence of any Distribution Date in any month, the remaining Class IE Deferred Interest Amount can be calculated by subtracting the Class EF Principal Balance after giving effect to any principal distribution (or any addition) made with respect to such Class as of such Distribution Date from the outstanding principal balance of the Group 10 Trust Assets after giving effect to any payments or accruals on the related HECM MBS as of such Distribution Date.

Class IE Interest Accrual Amount: For any Distribution Date, interest accrued during the related Accrual Period for such Distribution Date at the related Class IE Interest Rate on the Class Notional Balance of Class IE (the “Class IE Notional Balance”) as of the related Record Date.

Security Groups 6 and 10

Class IY Deferred Interest Amount: With respect to any Distribution Date, the sum of the Class IC Deferred Interest Amount and the Class IE Deferred Interest Amount.

Security Group 11

Class FG Interest Accrual Amount: For any Distribution Date, interest accrued during the related Accrual Period for such Distribution Date at the related Interest Rate on the Class Principal Balance of Class FG as of the related Record Date. If, on any Distribution Date, the Class FG Interest Accrual Amount for such Distribution Date exceeds the amount distributed in respect of Class FG pursuant to step 1. under Security Group 11 in “Terms Sheet — Distributions” in this Supplement, such excess will be added to the Class Principal Balance of Class FG (the “Class FG Principal Balance”).

Class FG Principal Distribution Amount: For any Distribution Date, the product of (i) the excess, if any, of (a) the Group 11 Available Distribution Amount for such Distribution Date over (b) the sum of the Class FG Interest Accrual Amount and the Class GI Interest Accrual Amount for such Distribution Date, and (ii) the quotient of (a) the Class FG Principal Balance as of the related Record Date divided by (b) the outstanding principal balance of the Group 11 Trust Assets as of the related Record Date for Class FG.

Class GI Deferred Interest Amount: With respect to any Distribution Date, the excess, if any, of (i) the sum of all Class GI Interest Accrual Amounts for each Accrual Period ending before such Distribution Date over (ii) the sum of (a) all amounts distributed in respect of Class GI on all prior Distribution Dates plus (b) the amount distributed in respect of Class GI on such Distribution Date pursuant to step 1. under Security Group 11 in “Terms Sheet — Distributions” in this Supplement. After the occurrence of any Distribution Date in any month, the remaining Class GI Deferred Interest Amount can be calculated by subtracting the Class FG Principal Balance after giving effect to any principal distribution (or any addition) made with respect to such Class as of such Distribution Date from the outstanding principal balance of the Group 11 Trust Assets after giving effect to any payments or accruals on the related HECM MBS as of such Distribution Date.

Class GI Interest Accrual Amount: For any Distribution Date, interest accrued during the related Accrual Period for such Distribution Date at the related Class GI Interest Rate on the Class Notional Balance of Class GI (the “Class GI Notional Balance”) as of the related Record Date.

Security Groups 7, 8 and 11

Class IN Deferred Interest Amount: With respect to any Distribution Date, the sum of the Class DI Deferred Interest Amount, the Class GI Deferred Interest Amount and the Class ID Deferred Interest Amount.

Security Groups 8 and 11

Class NI Deferred Interest Amount: With respect to any Distribution Date, the sum of the Class GI Deferred Interest Amount and the Class ID Deferred Interest Amount.

Security Group 12

Class GF Interest Accrual Amount: For any Distribution Date, interest accrued during the related Accrual Period for such Distribution Date at the related Interest Rate on the Class Principal Balance of Class GF as of the related Record Date. If, on any Distribution Date, the Class GF Interest Accrual Amount for such Distribution Date exceeds the amount distributed in respect of Class GF pursuant to step 1. under Security Group 12 in “Terms Sheet — Distributions” in this Supplement, such excess will be added to the Class Principal Balance of Class GF (the “Class GF Principal Balance”).

Class GF Principal Distribution Amount: For any Distribution Date, the product of (i) the excess, if any, of (a) the Group 12 Available Distribution Amount for such Distribution Date over (b) the sum of the Class GF Interest Accrual Amount and the Class IG Interest Accrual Amount for such Distribution Date, and (ii) the quotient of (a) the Class GF Principal Balance as of the related Record Date divided by (b) the outstanding principal balance of the Group 12 Trust Assets as of the related Record Date for Class GF.

Class IG Deferred Interest Amount: With respect to any Distribution Date, the excess, if any, of (i) the sum of all Class IG Interest Accrual Amounts for each Accrual Period ending before such Distribution Date over (ii) the sum of (a) all amounts distributed in respect of Class IG on all prior Distribution Dates plus (b) the amount distributed in respect of Class IG on such Distribution Date pursuant to step 1. under Security Group 12 in “Terms Sheet — Distributions” in this Supplement. After the occurrence of any Distribution Date in any month, the remaining Class IG Deferred Interest Amount can be calculated by subtracting the Class GF Principal Balance after giving effect to any principal distribution (or any addition) made with respect to such Class as of such Distribution Date from the outstanding principal balance of the Group 12 Trust Assets after giving effect to any payments or accruals on the related HECM MBS as of such Distribution Date.

Class IG Interest Accrual Amount: For any Distribution Date, interest accrued during the related Accrual Period for such Distribution Date at the related Class IG Interest Rate on the Class Notional Balance of Class IG (the “Class IG Notional Balance”) as of the related Record Date.

Security Group 13

Class FH Interest Accrual Amount: For any Distribution Date, interest accrued during the related Accrual Period for such Distribution Date at the related Interest Rate on the Class Principal Balance of Class FH as of the related Record Date. If, on any Distribution Date, the Class FH Interest Accrual Amount for such Distribution Date exceeds the amount distributed in respect of Class FH pursuant to step 1. under Security Group 13 in “Terms Sheet — Distributions” in this Supplement, such excess will be added to the Class Principal Balance of Class FH (the “Class FH Principal Balance”).

Class FH Principal Distribution Amount: For any Distribution Date, the product of (i) the excess, if any, of (a) the Group 13 Available Distribution Amount for such Distribution Date over (b) the sum of the Class FH Interest Accrual Amount and the Class HI Interest Accrual Amount for such Distribution Date, and (ii) the quotient of (a) the Class FH Principal Balance as of the related Record Date divided by (b) the outstanding principal balance of the Group 13 Trust Assets as of the related Record Date for Class FH.

Class HI Deferred Interest Amount: With respect to any Distribution Date, the excess, if any, of (i) the sum of all Class HI Interest Accrual Amounts for each Accrual Period ending before such Distribution Date over (ii) the sum of (a) all amounts distributed in respect of Class HI on all prior Distribution

Dates plus (b) the amount distributed in respect of Class HI on such Distribution Date pursuant to step 1. under Security Group 13 in “Terms Sheet — Distributions” in this Supplement. After the occurrence of any Distribution Date in any month, the remaining Class HI Deferred Interest Amount can be calculated by subtracting the Class FH Principal Balance after giving effect to any principal distribution (or any addition) made with respect to such Class as of such Distribution Date from the outstanding principal balance of the Group 13 Trust Assets after giving effect to any payments or accruals on the related HECM MBS as of such Distribution Date.

Class HI Interest Accrual Amount: For any Distribution Date, interest accrued during the related Accrual Period for such Distribution Date at the related Class HI Interest Rate on the Class Notional Balance of Class HI (the “Class HI Notional Balance”) as of the related Record Date.

Security Groups 12 and 13

Class IM Deferred Interest Amount: With respect to any Distribution Date, the sum of the Class HI Deferred Interest Amount and the Class IG Deferred Interest Amount.

Security Group 14

Class HF Interest Accrual Amount: For any Distribution Date, interest accrued during the related Accrual Period for such Distribution Date at the related Interest Rate on the Class Principal Balance of Class HF as of the related Record Date. If, on any Distribution Date, the Class HF Interest Accrual Amount for such Distribution Date exceeds the amount distributed in respect of Class HF pursuant to step 1. under Security Group 14 in “Terms Sheet — Distributions” in this Supplement, such excess will be added to the Class Principal Balance of Class HF (the “Class HF Principal Balance”).

Class HF Principal Distribution Amount: For any Distribution Date, the product of (i) the excess, if any, of (a) the Group 14 Available Distribution Amount for such Distribution Date over (b) the sum of the Class HF Interest Accrual Amount and the Class IH Interest Accrual Amount for such Distribution Date, and (ii) the quotient of (a) the Class HF Principal Balance as of the related Record Date divided by (b) the outstanding principal balance of the Group 14 Trust Assets as of the related Record Date for Class HF.

Class IH Deferred Interest Amount: With respect to any Distribution Date, the excess, if any, of (i) the sum of all Class IH Interest Accrual Amounts for each Accrual Period ending before such Distribution Date over (ii) the sum of (a) all amounts distributed in respect of Class IH on all prior Distribution Dates plus (b) the amount distributed in respect of Class IH on such Distribution Date pursuant to step 1. under Security Group 14 in “Terms Sheet — Distributions” in this Supplement. After the occurrence of any Distribution Date in any month, the remaining Class IH Deferred Interest Amount can be calculated by subtracting the Class HF Principal Balance after giving effect to any principal distribution (or any addition) made with respect to such Class as of such Distribution Date from the outstanding principal balance of the Group 14 Trust Assets after giving effect to any payments or accruals on the related HECM MBS as of such Distribution Date.

Class IH Interest Accrual Amount: For any Distribution Date, interest accrued during the related Accrual Period for such Distribution Date at the related Class IH Interest Rate on the Class Notional Balance of Class IH (the “Class IH Notional Balance”) as of the related Record Date.

Security Groups 12 and 14

Class MI Deferred Interest Amount: With respect to any Distribution Date, the sum of the Class IG Deferred Interest Amount and the Class IH Deferred Interest Amount.

Security Groups 12, 13 and 14

Class YI Deferred Interest Amount: With respect to any Distribution Date, the sum of the Class HI Deferred Interest Amount, the Class IG Deferred Interest Amount and the Class IH Deferred Interest Amount.

Security Group 15

Class FJ Interest Accrual Amount: For any Distribution Date, interest accrued during the related Accrual Period for such Distribution Date at the related Interest Rate on the Class Principal Balance of Class FJ as of the related Record Date. If, on any Distribution Date, the Class FJ Interest Accrual Amount for such Distribution Date exceeds the amount distributed in respect of Class FJ pursuant to step 1. under Security Group 15 in “Terms Sheet — Distributions” in this Supplement, such excess will be added to the Class Principal Balance of Class FJ (the “Class FJ Principal Balance”).

Class FJ Principal Distribution Amount: For any Distribution Date, the product of (i) the excess, if any, of (a) the Group 15 Available Distribution Amount for such Distribution Date over (b) the sum of the Class FJ Interest Accrual Amount and the Class JI Interest Accrual Amount for such Distribution Date, and (ii) the quotient of (a) the Class FJ Principal Balance as of the related Record Date divided by (b) the outstanding principal balance of the Group 15 Trust Assets as of the related Record Date for Class FJ.

Class JI Deferred Interest Amount: With respect to any Distribution Date, the excess, if any, of (i) the sum of all Class JI Interest Accrual Amounts for each Accrual Period ending before such Distribution Date over (ii) the sum of (a) all amounts distributed in respect of Class JI on all prior Distribution Dates plus (b) the amount distributed in respect of Class JI on such Distribution Date pursuant to step 1. under Security Group 15 in “Terms Sheet — Distributions” in this Supplement. After the occurrence of any Distribution Date in any month, the remaining Class JI Deferred Interest Amount can be calculated by subtracting the Class FJ Principal Balance after giving effect to any principal distribution (or any addition) made with respect to such Class as of such Distribution Date from the outstanding principal balance of the Group 15 Trust Assets after giving effect to any payments or accruals on the related HECM MBS as of such Distribution Date.

Class JI Interest Accrual Amount: For any Distribution Date, interest accrued during the related Accrual Period for such Distribution Date at the related Class JI Interest Rate on the Class Notional Balance of Class JI (the “Class JI Notional Balance”) as of the related Record Date.

Security Group 16

Class LA Interest Accrual Amount: For any Distribution Date, interest accrued during the related Accrual Period for such Distribution Date at the Interest Rate on the Class Principal Balance of Class LA as of the related Record Date. If, on any Distribution Date, the Class LA Interest Accrual Amount for such Distribution Date exceeds the amount distributed in respect of Class LA pursuant to step 1. under Security Group 16 in “Terms Sheet — Distributions” in this Supplement, such excess will be added to the Class Principal Balance of Class LA (the “Class LA Principal Balance”).

Class LA Principal Distribution Amount: For any Distribution Date, the product of (i) the excess, if any, of (a) the Group 16 Available Distribution Amount for such Distribution Date over (b) the sum of the Class LA Interest Accrual Amount, the Class LD Interest Accrual Amount and the Class LI Interest Accrual Amount for such Distribution Date, and (ii) the quotient of (a) the Class LA Principal Balance as of the related Record Date divided by (b) the sum of (x) the Class LA Principal Balance as of the related Record Date and (y) the Class LI Deferred Interest Amount as of the related Record Date.

Class LD Interest Accrual Amount: For any Distribution Date, interest accrued during the related Accrual Period for such Distribution Date at the related Interest Rate on the Class Principal Balance of Class LD as of the related Record Date. If, on any Distribution Date, the Class LD Interest Accrual Amount for such Distribution Date exceeds the amount distributed in respect of Class LD pursuant to step 1. under Security Group 16 in “Terms Sheet — Distributions” in this Supplement, such excess will be added to the Class Principal Balance of Class LD (the “Class LD Principal Balance”).

Class LI Deferred Interest Amount: With respect to any Distribution Date, the excess, if any, of (i) the sum of all Class LI Interest Accrual Amounts for each Accrual Period ending before such Distribution Date over (ii) the sum of (a) all amounts distributed in respect of Class LI on all prior Distribution Dates plus (b) the amounts distributed in respect of Class LI on such Distribution Date pursuant to step 1. under Security Group 16 in “Terms Sheet — Distributions” in this Supplement. After the occurrence of any Distribution Date in any month, the remaining Class LI Deferred Interest Amount can be calculated by

subtracting the Class LA Principal Balance and the Class LD Principal Balance after giving effect to any principal distributions (or any additions) made with respect to such Classes as of such Distribution Date from the outstanding principal balance of the Group 16 Trust Assets after giving effect to any payments or accruals on the related HECM MBS as of such Distribution Date.

Class LI Interest Accrual Amount: For any Distribution Date, interest accrued during the related Accrual Period for such Distribution Date at the related Class LI Interest Rate on the Class Notional Balance of Class LI (the “Class LI Notional Balance”) as of the related Record Date.

Security Group 17

Class AL Interest Accrual Amount: For any Distribution Date, interest accrued during the related Accrual Period for such Distribution Date at the Interest Rate on the Class Principal Balance of Class AL as of the related Record Date. If, on any Distribution Date, the Class AL Interest Accrual Amount for such Distribution Date exceeds the amount distributed in respect of Class AL pursuant to step 1. under Security Group 17 in “Terms Sheet — Distributions” in this Supplement, such excess will be added to the Class Principal Balance of Class AL (the “Class AL Principal Balance”).

Class AL Principal Distribution Amount: For any Distribution Date, the product of (i) the excess, if any, of (a) the Group 17 Available Distribution Amount for such Distribution Date over (b) the sum of the Class AL Interest Accrual Amount, the Class DL Interest Accrual Amount and the Class IL Interest Accrual Amount for such Distribution Date, and (ii) the quotient of (a) the Class AL Principal Balance as of the related Record Date divided by (b) the sum of (x) the Class AL Principal Balance as of the related Record Date and (y) the Class IL Deferred Interest Amount as of the related Record Date.

Class DL Interest Accrual Amount: For any Distribution Date, interest accrued during the related Accrual Period for such Distribution Date at the related Interest Rate on the Class Principal Balance of Class DL as of the related Record Date. If, on any Distribution Date, the Class DL Interest Accrual Amount for such Distribution Date exceeds the amount distributed in respect of Class DL pursuant to step 1. under Security Group 17 in “Terms Sheet — Distributions” in this Supplement, such excess will be added to the Class Principal Balance of Class DL (the “Class DL Principal Balance”).

Class IL Deferred Interest Amount: With respect to any Distribution Date, the excess, if any, of (i) the sum of all Class IL Interest Accrual Amounts for each Accrual Period ending before such Distribution Date over (ii) the sum of (a) all amounts distributed in respect of Class IL on all prior Distribution Dates plus (b) the amounts distributed in respect of Class IL on such Distribution Date pursuant to step 1. under Security Group 17 in “Terms Sheet — Distributions” in this Supplement. After the occurrence of any Distribution Date in any month, the remaining Class IL Deferred Interest Amount can be calculated by subtracting the Class AL Principal Balance and the Class DL Principal Balance after giving effect to any principal distributions (or any additions) made with respect to such Classes as of such Distribution Date from the outstanding principal balance of the Group 17 Trust Assets after giving effect to any payments or accruals on the related HECM MBS as of such Distribution Date.

Class IL Interest Accrual Amount: For any Distribution Date, interest accrued during the related Accrual Period for such Distribution Date at the related Class IL Interest Rate on the Class Notional Balance of Class IL (the “Class IL Notional Balance”) as of the related Record Date.

Deferred Interest Amount: Any of the Class AI Deferred Interest Amount, the Class BI Deferred Interest Amount, the Class CI Deferred Interest Amount, the Class DI Deferred Interest Amount, the Class EI Deferred Interest Amount, the Class GI Deferred Interest Amount, the Class HI Deferred Interest Amount, the Class IA Deferred Interest Amount, the Class IB Deferred Interest Amount, the Class IC Deferred Interest Amount, the Class ID Deferred Interest Amount, the Class IE Deferred Interest Amount, the Class IG Deferred Interest Amount, the Class IH Deferred Interest Amount, the Class IL Deferred Interest Amount, the Class IM Deferred Interest Amount, the Class IN Deferred Interest Amount, the Class IO Deferred Interest Amount, the Class IQ Deferred Interest Amount, the Class IY Deferred Interest Amount, the Class JI Deferred Interest Amount, the Class LI Deferred Interest Amount, the Class MI Deferred Interest Amount, the Class NI Deferred Interest Amount, the Class QI Deferred Interest Amount or the Class YI Deferred Interest Amount, as applicable. On or about each Distribution Date, the Deferred Interest Amount is available on reports published by the Trustee on its website, www.usbank.com/abs.

Interest Accrual Amount: Any of the Class AF Interest Accrual Amount, the Class AI Interest Accrual Amount, the Class AL Interest Accrual Amount, the Class BF Interest Accrual Amount, the Class BI Interest Accrual Amount, the Class CF Interest Accrual Amount, the Class CI Interest Accrual Amount, the Class DF Interest Accrual Amount, the Class DI Interest Accrual Amount, the Class DL Interest Accrual Amount, the Class EF Interest Accrual Amount, the Class EI Interest Accrual Amount, the Class FA Interest Accrual Amount, the Class FB Interest Accrual Amount, the Class FC Interest Accrual Amount, the Class FD Interest Accrual Amount, the Class FE Interest Accrual Amount, the Class FG Interest Accrual Amount, the Class FH Interest Accrual Amount, the Class FJ Interest Accrual Amount, the Class GF Interest Accrual Amount, the Class GI Interest Accrual Amount, the Class HF Interest Accrual Amount, the Class HI Interest Accrual Amount, the Class IA Interest Accrual Amount, the Class IB Interest Accrual Amount, the Class IC Interest Accrual Amount, the Class ID Interest Accrual Amount, the Class IE Interest Accrual Amount, the Class IG Interest Accrual Amount, the Class IH Interest Accrual Amount, the Class IL Interest Accrual Amount, the Class JI Interest Accrual Amount, the Class LA Interest Accrual Amount, the Class LD Interest Accrual Amount or the Class LI Interest Accrual Amount, as applicable.

Notional Classes: The Notional Classes will not receive distributions of principal based on their Class Notional Balances but have Class Notional Balances for convenience in describing their entitlements to interest. The Class Notional Balance of each Notional Class represents the percentage indicated below of, and reduces or increases to that extent with (1) the outstanding principal balance of the related Trust Asset Group or Groups or (2) the Class Principal Balance and Deferred Interest Amount indicated:

Class	Original Class Notional Balance	Represents
Security Group 1		
AI	\$ 5,000,000	100% of the Group 1 Trust Assets
Security Group 2		
IA	8,264,834	100% of the Group 2 Trust Assets
Security Group 3		
BI	15,030,037	100% of the Group 3 Trust Assets
Security Group 4		
IB	20,099,746	100% of the Group 4 Trust Assets
Security Groups 2 and 4		
QI	28,364,580	100% of the Group 2 Trust Assets and the Group 4 Trust Assets (in the aggregate)
Security Group 5		
CI	20,009,484	100% of the Group 5 Trust Assets
Security Group 6		
IC	31,432,886	100% of the Group 6 Trust Assets
Security Group 7		
DI	10,071,159	100% of the Group 7 Trust Assets
Security Group 8		
ID	11,415,033	100% of the Group 8 Trust Assets
Security Group 9		
EI	20,854,760	100% of the Group 9 Trust Assets
Security Groups 2, 3, 4, 5 and 9		
IO	84,258,861	100% of the Group 2 Trust Assets, the Group 3 Trust Assets, the Group 4 Trust Assets, the Group 5 Trust Assets and the Group 9 Trust Assets (in the aggregate)
Security Groups 3, 5 and 9		
IQ	55,894,281	100% of the Group 3 Trust Assets, the Group 5 Trust Assets and the Group 9 Trust Assets (in the aggregate)

Class	Original Class Notional Balance	Represents
Security Group 10		
IE	\$ 42,010,729	100% of the Group 10 Trust Assets
Security Groups 6 and 10		
IY	73,443,615	100% of the Group 6 Trust Assets and the Group 10 Trust Assets (in the aggregate)
Security Group 11		
GI	23,262,231	100% of the Group 11 Trust Assets
Security Groups 7, 8 and 11		
IN	44,748,423	100% of the Group 7 Trust Assets, the Group 8 Trust Assets and the Group 11 Trust Assets (in the aggregate)
Security Groups 8 and 11		
NI	34,677,264	100% of the Group 8 Trust Assets and the Group 11 Trust Assets (in the aggregate)
Security Group 12		
IG	25,000,000	100% of the Group 12 Trust Assets
Security Group 13		
HI	51,421,699	100% of the Group 13 Trust Assets
Security Groups 12 and 13		
IM	76,421,699	100% of the Group 12 Trust Assets and the Group 13 Trust Assets (in the aggregate)
Security Group 14		
IH	50,000,000	100% of the Group 14 Trust Assets
Security Groups 12 and 14		
MI	75,000,000	100% of the Group 12 Trust Assets and the Group 14 Trust Assets (in the aggregate)
Security Groups 12, 13 and 14		
YI	126,421,699	100% of the Group 12 Trust Assets, the Group 13 Trust Assets and the Group 14 Trust Assets (in the aggregate)
Security Group 15		
JL	27,505,343	100% of the Group 15 Trust Assets
Security Group 16		
LI	22,580,238	100% of Class LA (SC/HSEQ Class) and the Class LI Deferred Interest Amount (in the aggregate)
Security Group 17		
IL	15,960,569	100% of Class AL (SC/HSEQ Class) and the Class IL Deferred Interest Amount (in the aggregate)

Tax Status: Double REMIC Series as to the Group 1 Trust Assets, Double REMIC Series as to the Group 2 through 12 and 15 through 17 Trust Assets, Double REMIC Series as to the Group 13 Trust Assets and Double REMIC Series as to the Group 14 Trust Assets. Separate REMIC elections will be made as to the Pooling and the Issuing REMIC with respect to the Group 1 Trust Assets, the Group 2 through 12 and 15 through 17 Trust Assets, the Group 13 Trust Assets and the Group 14 Trust Assets (the “Group 1 Pooling REMIC,” the “Group 1 Issuing REMIC,” the “Group 2 through 12 and 15 through 17 Pooling REMIC,” the “Group 2 through 12 and 15 through 17 Issuing REMIC,” the “Group 13 Pooling REMIC,” the “Group 13 Issuing REMIC,” the “Group 14 Pooling REMIC” and the “Group 14 Issuing REMIC,” respectively). See “*Certain United States Federal Income Tax Consequences*” in this Supplement and in the Base Offering Circular.

Regular and Residual Classes: Classes RR, RR1, RR13 and RR14 are Residual Classes. Class RR represents the Residual Interest of the Group 2 through 12 and 15 through 17 Issuing and Pooling REMICs. Class RR1 represents the Residual Interest of the Issuing and Pooling REMICs for the Group 1 Trust Assets. Class RR13 represents the Residual Interest of the Issuing and Pooling REMICs for the Group 13 Trust Assets. Class RR14 represents the Residual Interest of the Issuing and Pooling REMICs for the Group 14 Trust Assets. All other Classes of REMIC Securities are Regular Classes. See *“Certain United States Federal Income Tax Consequences” in this Supplement and in the Base Offering Circular.*

RISK FACTORS

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

The rate of principal payments on the HECMs related to the participations underlying the trust assets will affect the rate of principal payments on your securities. The rate at which you will receive principal payments will depend largely on the rate of principal payments, including prepayments, on the HECMs related to the participations underlying the trust assets. Any historical data regarding mortgage loan prepayment rates may not be indicative of the rate of future prepayments on the related HECMs, and no assurances can be given about the rates at which the related HECMs will prepay. We expect the rate of principal payments on the HECMs related to the participations underlying the trust assets to vary. Borrowers generally may prepay their HECMs at any time without penalty.

In addition to voluntary prepayments, HECMs can be prepaid as a result of governmental mortgage insurance claim payments, loss mitigation arrangements, repurchases or liquidations of defaulted HECMs. Although under certain circumstances Ginnie Mae issuers have the option to repurchase defaulted HECMs from the related pool underlying a Ginnie Mae HECM MBS certificate, they are not obligated to do so. Defaulted HECMs that remain in pools backing Ginnie Mae HECM MBS certificates may be subject to governmental mortgage insurance claim payments, loss mitigation arrangements or foreclosure, which could have the same effect as voluntary prepayments on the cash flow available to pay the securities.

A catastrophic weather event, pandemic or other natural disaster may affect the rate of principal payments, including prepayments, on the related HECMs. Any such event may damage the related mortgaged properties that secure the HECMs or may lead to a general economic downturn in the affected regions, including job losses and declines in real estate values. A general economic downturn may increase the rate of defaults on the HECMs in such areas resulting in prepayments on the HECMs related to the participations underlying the trust assets due to governmental mortgage insurance claim payments, loss mitigation arrangements, repurchases or liquidations of defaulted HECMs. Insurance payments on damaged or destroyed homes may also lead to prepayments

on the related HECMs. Further, in connection with presidentially declared major disasters, Ginnie Mae may authorize optional special assistance to issuers, including expanded buyout authority which allows issuers, upon receiving written approval from Ginnie Mae, to repurchase eligible HECMs from the related pool underlying a Ginnie Mae MBS certificate, even if such HECMs do not otherwise meet the standard conditions for removal or repurchase.

No assurances can be given as to the timing or frequency of any governmental mortgage insurance claim payments, issuer repurchases, loss mitigation arrangements or foreclosure proceedings with respect to defaulted HECMs and the resulting effect on the timing or rate of principal payments on your securities.

It is uncertain when payments will be made in respect of securities backed by HECM MBS. The rate of voluntary prepayments and the occurrence of maturity events and Ginnie Mae issuer purchase events with respect to HECMs are uncertain. A borrower may prepay in whole or in part the outstanding balance of a HECM at any time without penalty, including any accrued interest thereon. No interest or principal is required to be paid by the borrower, however, until maturity, which generally occurs upon the occurrence of a maturity event, which may be deferred under certain circumstances. A Ginnie Mae issuer of a HECM MBS is obligated to purchase, under certain circumstances, all participations related to a HECM.

It is uncertain when any amounts might be paid on securities backed by HECM MBS because it is uncertain (i) whether a HECM borrower will choose to prepay amounts advanced in whole or in part, (ii) when any maturity event might occur, whether that maturity event will be deferred and, if so, the extent of the deferral, and (iii) when any Ginnie Mae issuer purchase event might occur, and thus the yields on and weighted average lives of securities backed by HECM MBS may differ substantially from an investor's expectations. See *"Risk Factors" and "Prepayment and Yield Considerations" in the HECM MBS Base Prospectus and "Yield, Maturity and Prepayment Considerations" in this supplement.*

From time to time FHA and the residential mortgage industry make changes to the requirements, procedures and related fees for originating, refinancing and servicing HECMs. Any of these changes may result in HECM MBS backed by participations related to HECMs subject to different underwriting or servicing requirements or procedures. Such changes may impact borrower prepayment, delinquency, refinance and mortgage insurance claim rates and may influence the decision by a Ginnie Mae issuer whether to exercise any optional Ginnie Mae issuer purchase event.

The enforceability of some HECM maturity event clauses may be uncertain. HECMs contain clauses defining maturity events. The clauses in some HECMs permit the issuer to declare the HECM due and payable upon the death of the last surviving borrower. Litigation by surviving non-borrower spouses may interfere with or affect the ability of the issuer to realize upon the collateral. The inability to enforce a due-on-death clause may affect the weighted average lives and the yields realized by investors in the securities.

Rates of principal payments can reduce your yield. The yield on your securities probably will be lower than you expect if:

- you bought your securities at a premium (interest only securities, for example) and principal payments are faster than you expected, or
- you bought your securities at a discount and principal payments are slower than you expected.

In addition, if your securities are interest only securities or securities purchased at a significant premium, you could lose money on your investment if prepayments occur at a rapid rate.

HECM borrowers may choose from various payment plans, each of which has different prepayment characteristics that may affect the weighted average lives and yields of the securities. For example, line of credit payment plans may experience higher prepayment rates than other payment plans. To the extent that the HECMs include a large concentration of line of credit HECMs, such HECMs may experience higher prepayment rates. Higher prepayment rates will reduce, perhaps significantly, the weighted

average lives of the securities. Reductions in the weighted average lives of the securities will affect the yields on the securities. HECM borrowers may have the ability to change to another available payment plan at any time as long as the change complies with the FHA requirements in effect. See *“The Trust Assets — The Participations and the HECMs”* in this supplement.

A HECM that has been drawn up to its principal limit, or becomes drawn up to its principal limit early in its term, could result in a reduction of the weighted average lives of and yields on the related securities. A borrower’s principal limit for a HECM represents the maximum disbursement that the borrower can receive under the HECM and is calculated, in part, on the basis of the maximum claim amount for such HECM. The borrower’s access to the principal limit may be restricted by the FHA loan origination requirements applicable to the related HECM. The maximum claim amount for a HECM generally represents the lender’s maximum insurance claim from HUD for such HECM. A HECM with a loan balance that is approaching or has reached its principal limit, or that is fully drawn early in its term, is likely to reach its maximum claim amount sooner than a HECM with significant remaining credit availability that is drawn over an extended period of time. When a HECM approaches its maximum claim amount, a mandatory purchase event or a 98% optional purchase event may occur. If a purchase of all participations relating to a HECM occurs under such a Ginnie Mae issuer purchase event, the purchase will result in a payment in respect of the related securities and will reduce the weighted average lives of such securities. Reductions in the weighted average lives of the securities will affect, perhaps significantly, the yields on the securities.

The WACR of the group 1 trust asset may limit the amount of interest distributed to or accrued on the related floating rate and notional classes. The interest entitlements of Class FA is capped at the WACR of the related trust asset, which is an underlying certificate. In turn, the interest entitlements of the underlying certificate included in trust asset group 1 is capped at the WACR of its underlying trust assets as described in the related underlying certificate disclosure document. If the WACR of the group 1 trust asset is equal to or lower than the interest rate on the related floating rate class based on the interest rate formula as shown under "Terms Sheet — Interest Rates" in this supplement for any

accrual period, interest entitlements with respect to Class AI may be reduced to zero because such class is entitled to receive the excess of interest accrued in respect of the related trust asset over the interest accrued on the related floating rate class. In addition, if the WACR of the group 1 trust asset is lower than the interest rate on Class FA based on its interest rate formula as shown under "Terms Sheet — Interest Rates" in this supplement for any accrual period, interest accruing on such floating rate class will be reduced because the interest rate on such class is capped at a rate equal to the WACR of the related trust asset.

The levels of one-month LIBOR (“One-Month LIBOR”), one-year LIBOR (“One-Year LIBOR”), Compounded SOFR and one-year CMT, as applicable, will affect payments and yields on the Group 1 through 15 securities. If one-month LIBOR, one-year LIBOR, Compounded SOFR or one-year CMT, as applicable, performs differently from what you expect, the yield on your securities may be lower than you expect. Lower levels of one-month LIBOR, one-year LIBOR, Compounded SOFR or one-year CMT, as applicable, may reduce the yield on floating rate securities. You should bear in mind that the timing of changes in one-month LIBOR, one-year LIBOR, Compounded SOFR or one-year CMT, as applicable, may also affect your yield: generally the earlier a change in one-month LIBOR, one-year LIBOR, Compounded SOFR or one-month CMT, as applicable, occurs, the greater the effect such change will have on your yield. It is doubtful that one-month LIBOR, one-year LIBOR, Compounded SOFR or one-month CMT will remain constant.

In addition, higher levels of one-year LIBOR or one-year CMT, as applicable, will increase the rate at which adjustable rate HECMs reach their maximum claim amounts. When a HECM approaches its maximum claim amount, certain Ginnie Mae issuer purchase events could occur resulting in a prepayment in respect of the related securities and reductions in the weighted average lives of the related securities. Reductions in the weighted average lives of the securities will affect, perhaps significantly, the yields on the securities.

Adjustable rate HECMs are subject to limitations on interest rate adjustments, which may limit the amount of interest payable in respect of the related HECM MBS and may limit the WACR on the related HECM MBS and the interest rates on the group 1 through

15 securities. If one-year LIBOR or one-year CMT, as applicable, increases to a sufficiently high level, the interest rates on the adjustable rate HECMs related to the participations directly or indirectly underlying the group 1 through 15 trust assets may be limited by caps. As a result, the WACR on the related HECM MBS, as well as the interest rates on the related securities, may be limited. In addition, the interest rate on the underlying certificate included in trust asset group 1 may be limited by the WACR on its related HECMs as described in the related underlying certificate disclosure document, which may limit the interest rates on the group 1 securities. The application of any caps on the adjustable rate HECMs may significantly impact the interest rates on the interest only classes in groups 1 through 15 because the interest entitlement of such classes of securities is entirely dependent on the WACR of the related trust asset group.

The maximum rate on each floating rate class could limit the amount of interest that accrues on such class. Class FA is subject to a maximum rate which is equal to the lesser of the related maximum rate set forth under “Terms Sheet — Interest Rates” for that class and the WACR for the related trust asset group. If Compounded SOFR exceeds certain levels, the interest rate of Class FA may be capped at the related maximum rate set forth under “Terms Sheet — Interest Rates” for that class, even in instances when such rate is less than the WACR for the related trust asset group. The maximum rate on each of Classes FQ and QF is limited by the interest accrued on its related REMIC classes. If Compounded SOFR exceeds certain levels, the interest rates on each of Classes FQ and QF will be capped to the extent that the interest rates on its related REMIC classes are capped as described in the second immediately preceding sentence. Each Floating Rate Class (other than Classes FA, FQ and QF) is subject to a maximum rate that is equal to the WACR for the related trust asset group.

The mortgage rate indices for the HECMs related to the participations directly or indirectly underlying the group 1 through 15 trust assets (and the interest rate index of the underlying certificate included in trust asset group 1) are different than the interest rate index for the group 1 through 15 securities, which may impact, perhaps significantly, the amount of interest distributable to the group 1 through 15 securities

after the initial fixed rate period of the related HECMs. One-month LIBOR is the index for underlying certificate included in trust asset group 1, one-year LIBOR is the mortgage rate index for the HECMs related to the participations underlying such underlying certificate and Compounded SOFR is the interest rate index for the group 1 securities. One-year CMT is the mortgage rate index for the HECMs related to the participations underlying the group 2 through 15 trust assets and Compounded SOFR is the interest rate index for the group 2 through 15 securities. Because the mortgage rate indices are determined in a different manner and at different times, and because the interest rates on the group 1 through 15 securities will adjust monthly based on Compounded SOFR (which monthly adjustment in the case of Compounded SOFR will be based on a compounded average of daily rates as described under “Description of the Securities — Interest Rate Indices — Determination of SOFR” in the base offering circular) whereas the interest rate on the underlying certificate included in trust asset group 1 will adjust monthly based on one-month LIBOR, the interest rates on the assets underlying such underlying certificate will adjust annually based on one-year LIBOR after the initial fixed rate period as described in the related underlying certificate disclosure document and the interest rates on the group 2 through 15 trust assets will adjust monthly based on one-year CMT, there may be a mismatch between the interest rates on the group 1 through 15 trust assets and the interest rates on the group 1 through 15 securities. In addition, the annual adjustable rate HECMs related to the participations underlying the underlying certificate included in trust asset group 1 and the monthly adjustable rate HECMs related to the participations underlying the group 2 through 15 trust assets may have different interest rate adjustment dates, which may affect the WACR of the related HECM MBS and the interest entitlements of the underlying certificate included in trust asset group 1 and may magnify the difference between the WACR of the related trust assets and the interest rates on the related securities.

If one-month LIBOR for the underlying certificate included in trust asset group 1, one-year LIBOR for the assets underlying the underlying certificate included in trust asset group 1, or one-year CMT for the group 2 through 15 trust assets, is lower than Compounded SOFR for the group 1 through 15 securities for any accrual period, interest accruals with respect to the related notional class will

be reduced because such notional class is entitled to receive the excess of interest accrued in respect of the related group 1 through 15 trust assets, as applicable, over the interest distributable to the related floating rate class. In addition, if one-month LIBOR for the underlying certificate included in trust asset group 1, one-year LIBOR for the assets underlying the underlying certificate included in trust asset group 1, or one-year CMT for the group 2 through 15 trust assets, is significantly lower than Compounded SOFR for the group 1 through 15 securities for any accrual period, interest accruing on the related floating rate class may be reduced because the interest rate on such floating rate class is capped at a rate equal to the WACR of the related group 1 through 15 trust assets, as applicable. In the event that one-month LIBOR for the underlying certificate included in trust asset group 1, one-year LIBOR for the assets underlying the underlying certificate included in trust asset group 1, or one-year CMT for the group 2 through 15 trust assets, is higher than Compounded SOFR for the group 1 through 15 securities, interest accruing on the related floating rate class will not be affected but interest accruals with respect to the related notional class will be increased.

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

The rate of reduction or increase in the principal balances of the underlying certificates will directly affect the rate of reduction or increase in the principal and notional balances of the group 1, 16 and 17 securities. The underlying certificates will be sensitive to the rate of payments of principal (including prepayments) of the related HECMs. This supplement contains no information as to whether the underlying certificates have performed as originally anticipated. Additional information as to the underlying certificates may

be obtained by performing an analysis of the current class factors of the underlying certificates in light of applicable information contained in the underlying certificate disclosure document.

Changes to, the elimination of, and uncertainty with respect to, LIBOR could adversely affect your investment in the group 1 securities.

As discussed under “Description of the Securities — Interest Rate Indices — Determination of LIBOR — ICE LIBOR” in the base offering circular, all LIBOR tenors related to the securities will cease to be published or will no longer be representative after June 30, 2023. Investors in financial instruments linked to LIBOR will likely experience disparate outcomes based on relevant contractual terms and related amendment provisions, market or product type, jurisdiction, and a host of other factors. There can be no assurance that legislative or regulatory actions will dictate what happens when LIBOR ceases to be available or is no longer representative or if such actions will provide a viable alternative or substitute rate for LIBOR. In addition, although the Alternative Reference Rates Committee (“ARRC”) was created to identify best practices for market participants regarding alternative interest rates, there can be no assurance that broadly accepted industry practices will develop either before or after LIBOR ceases to be available or is no longer representative. It is not possible to predict the impact that disparate outcomes, the availability or unavailability of LIBOR or alternative rates, divergent industry practices or any other reforms related to LIBOR that may be adopted in the U.S., U.K. or elsewhere will have on the performance, trading market or value of financial instruments, including on the group 1 securities, for which the related trust assets have or are ultimately backed by participations related to HECMs for which the mortgage rate index is LIBOR.

With respect to the group 1 securities, the terms of the HECMs related to the participations underlying the related trust assets may or may not provide for the designation of an alternative reference rate or method for the determination of interest rates in the event LIBOR ceases to be available or is no longer representative. There can be no assurance that any alternative rate permitted or implemented will yield the same or similar economic results as LIBOR over the lives of such participations. In addition, although the designation of any alternative rate or method will take into account various factors, including then-prevailing industry practices, there can be no assurance that broadly

accepted industry practices will develop, and it is uncertain what effect any divergent industry practices will have on the value of and return on the related securities. Furthermore, there can be no prediction of the impact on borrowers or the outcome of any judicial challenge by borrowers of the designation of an alternative rate for the determination of interest rates on such participations or the impact of any adverse outcome on the yields for the related securities. In addition, it is possible that, instead of selecting an alternative rate, borrowers may be solicited or elect to refinance these HECMs, which will result in prepayment of the group 1 securities. These developments could have a material adverse impact on the liquidity or market value of securities backed by such participations.

The underlying certificate included in trust asset group 1 has an interest rate based on LIBOR (the “LIBOR Underlying Certificate”). With respect to the LIBOR Underlying Certificate, on March 8, 2021, the ARRC confirmed that a “benchmark transition event” occurred on March 5, 2021, when the U.K. Financial Conduct Authority and ICE Benchmark Administration announced that the LIBOR tenors relevant to the LIBOR classes will cease to be published or will no longer be representative after June 30, 2023. Consequently, effective June 30, 2023 (the related “benchmark replacement date”), Ginnie Mae will select a replacement interest rate, including index, methodology, spread or other related adjustment, in accordance with the ARRC Endorsed Terms, as described under “Description of the Securities — Interest Rate Indices — Determination of LIBOR” in the base offering circular. The ARRC Endorsed Terms, however, generally rely on actions to be taken by regulators or the ARRC, and there can be no assurance whether or when those actions will be taken. Further, there can be no assurance that those actions or related events will align with similar events in the market generally or in other parts of the financial markets, such as the derivatives market.

Term SOFR, which is the first alternative benchmark specified in the ARRC Endorsed Terms, is a prospective term rate based on SOFR that is expected to be the CME Term SOFR Reference Rate published by the CME Group. CME Group’s term SOFR rate is a relatively new rate recommended by the ARRC on July 29, 2021. If CME Group’s term SOFR rate is available and recommended for the applicable tenor as of the benchmark replacement date and is operationally

feasible, Ginnie Mae will select CME Group's term SOFR rate as the benchmark replacement for LIBOR classes in accordance with the ARRC Endorsed Terms. If term SOFR is unavailable as of the benchmark replacement date, the next alternative benchmark is compounded SOFR. As a benchmark replacement for LIBOR, compounded SOFR is a compounded average for which there are multiple methodologies that may also diverge from LIBOR. In addition, the methodology for calculating compounded SOFR as a LIBOR replacement may differ from the methodology for calculating Compounded SOFR for SOFR classes, as described under "Description of the Securities — Interest Distributions — Floating Rate Classes" in this supplement. There can be no assurance that compounded SOFR as a LIBOR replacement will be the same as, or similar to, Compounded SOFR for SOFR classes.

If a benchmark replacement other than term SOFR is chosen because term SOFR is not available, term SOFR would become the benchmark replacement if it later becomes available, which could lead to further volatility in the interest rates on the LIBOR Underlying Certificate. Moreover, a benchmark replacement adjustment will be applied to compensate for the foregoing effects of any benchmark replacement. However, no assurance can be provided that any benchmark replacement adjustment will be sufficient to produce the economic equivalent of the then-current benchmark, either at the benchmark replacement date or over the lives of the LIBOR Underlying Certificate. Additionally, Ginnie Mae cannot anticipate how long it will take to develop the systems and processes necessary to adopt a specific benchmark replacement, which may delay and contribute to uncertainty and volatility surrounding any benchmark transition for the LIBOR Underlying Certificate.

Ginnie Mae will have sole discretion with respect to certain elements of the benchmark replacement process, including determining which benchmark replacement is available, determining the earliest practicable index determination date for using the benchmark replacement, selecting a benchmark replacement in the event term SOFR or compounded SOFR is unavailable, determining benchmark replacement adjustments (if not otherwise determined by applicable governing bodies or authorities) and making benchmark replacement conforming changes (including potential changes affecting the business day convention and index determination date). If Ginnie Mae, in

its sole discretion, determines that an alternative rate is not administratively feasible, including as a result of technical, administrative or operational issues, then such alternative rate will be deemed not determinable as of such date. Ginnie Mae may determine an alternative not to be administratively feasible even if such alternative rate has been adopted by other market participants in similar products. Furthermore, if Ginnie Mae does not select an alternative rate on any date as a result of its determination that an alternative higher on the list of ARRC Endorsed Terms is not administratively feasible as of such date and such higher alternative subsequently becomes administratively feasible (as determined by Ginnie Mae in its sole discretion), then Ginnie Mae may elect to replace the previously selected alternative with such higher alternative. Any of the foregoing determinations will be at the sole discretion of Ginnie Mae and may adversely affect the return on the group 1 securities, which are backed by the LIBOR Underlying Certificate, the trading market for such classes and the value of such classes. None of the foregoing determinations, or the application thereof to payment calculations on the LIBOR Underlying Certificate, will be subject to the approval of security holders.

Notwithstanding the foregoing, Ginnie Mae will select only an alternative rate as to which it and the trustee will receive an opinion of counsel that the selection of such alternative rate will not cause any related Trust REMIC to lose its classification as a REMIC for United States federal income tax purposes.

An investment in the group 1 through 15 securities entails risks not associated with an investment in conventional fixed rate securities or securities linked to established market indices. The Federal Reserve Bank of New York began to publish SOFR in April 2018 and compounded averages of SOFR in March 2020. Although the Federal Reserve Bank of New York has also published historical indicative SOFR from August 2014 to March 2018, such pre-publication data necessarily involves assumptions, estimates and approximations. You should not rely on any historical changes or trends in SOFR as an indicator of future changes in SOFR. Daily shifts in SOFR have been, and may in the future be, greater than those in comparable market indices. Because the interest rate applicable to any accrual period for securities with an interest rate based on SOFR will be calculated by reference to the daily rates of SOFR during an

approximate 30-day period commencing and ending before the related accrual period as described under “Description of the Securities — Interest Distributions — Floating Rate Classes” in this supplement, the return on and value of the group 1 through 15 securities may fluctuate more than debt securities linked to less volatile indices.

SOFR is a relatively new market index, and the group 1 through 15 securities will likely have no established trading market when issued, and an established trading market may never develop or, if developed, may not be liquid. Investment in the group 1 through 15 securities carries additional pricing volatility, illiquidity and market risk, as discussed in more detail under “Description of the Securities — Interest Rate Indices — Determination of SOFR — General” in the base offering circular.

The interest rates of the group 1 through 15 floating rate securities will be based on Compounded SOFR. Ginnie Mae may, in its sole discretion, and without the consent of security holders or any other party, convert the interest rates of the group 1 through 15 floating rate securities from Compounded SOFR to term SOFR. In connection with that conversion, Ginnie Mae may, in its sole discretion and without the consent of security holders or any other party, change the calculation methodology or spread, add or subtract a rate adjustment and make other conforming changes with respect to the group 1 through 15 securities, as described under “Description of the Securities — Interest Rate Indices — Replacement Rate Conforming Changes” in the base offering circular. There can be no assurance that the interest rates of the group 1 through 15 floating rate securities will ever be based on term SOFR or, if based on term SOFR in the future, that the resulting interest rates will yield the same or similar economic results over the lives of the affected securities relative to the results that would have occurred had the interest rates remained based on Compounded SOFR or that the market value will not decrease due to the move from Compounded SOFR to term SOFR.

All aspects of the conversion will be at the sole discretion of Ginnie Mae, which could lead to volatility in the interests rates of or adversely affect the return on the group 1 through 15 securities, the trading market for such securities and the value of such securities.

You should consult your own financial and legal advisors about the risks associated with an investment in the group 1 through 15 securities and the suitability of investing in the securities in light of your particular circumstances.

Interest on the group 1 through 15 floating rate securities will be determined using a replacement rate if SOFR is no longer available, which could adversely affect the value of your investment in group 1 through 15 securities. Because SOFR is published by the Federal Reserve Bank of New York based on data received from other sources, neither Ginnie Mae nor the trustee has any control over its determination, calculation or publication. The Federal Reserve Bank of New York has noted that it may alter the methods of calculation, publication schedule, rate revision practices or availability of SOFR at any time without notice. There can be no assurance that SOFR will not be discontinued or fundamentally altered in a manner that is materially adverse to the interests of investors in the group 1 through 15 securities.

If SOFR is no longer published or cannot be used, the amount of interest payable on the floating rate securities will be determined using a replacement rate, as described under “Description of the Securities — Interest Rate Indices — Determination of SOFR” in the base offering circular. Ginnie Mae will have the sole discretion to make conforming changes in connection with any replacement rate without the consent of security holders or any other party, as described under “Description of the Securities — Interest Rate Indices” in the base offering circular. This could reduce the amount of interest payable on the group 1 through 15 floating rate securities, which could adversely affect the return on, value of, and market for, the group 1 through 15 floating rate securities. Furthermore, there can be no assurance that the characteristics of any replacement rate will be similar to SOFR or that any replacement rate will produce the economic equivalent of SOFR.

The securities may not be a suitable investment for you. The securities, especially the group 1, 16 and 17 securities and, in particular, the interest only and residual classes, are not suitable investments for all investors.

In addition, although the sponsor intends to make a market for the purchase and sale of the securities after their initial issuance, it has no obligation

to do so. There is no assurance that a secondary market will develop, that any secondary market will continue, or that the price at which you can sell an investment in any class will enable you to realize a desired yield on that investment.

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

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

The residual securities may experience significant adverse tax timing consequences. Accordingly, you are urged to consult tax advisors and to consider the after-tax effect of ownership of a residual security and the suitability of the residual securities to your investment objectives. See *“Certain United States Federal Income Tax Consequences”* in this supplement and in the base offering circular.

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

The actual characteristics of the HECMs and the participations underlying the trust assets and the underlying certificates affect the weighted average lives and yields of your securities. The yield and decrement tables in this supplement are based on assumed characteristics which are likely to be different from the actual characteristics. Furthermore, certain of the assumed characteristics identified in Exhibits A and E to this supplement, such as maximum claim amount and HECM MBS principal balance, are calculated on an aggregate basis which may cause results to differ, perhaps significantly, from those calculated using the actual characteristics of the trust assets on a HECM or participation level basis. As a result, the yields on your securities could be lower than you expected, even if the HECMs prepay at the constant prepayment rates set forth in the applicable table.

It is highly unlikely that the HECMs will prepay at any of the prepayment rates assumed or draw at any of the draw rates assumed, if any, in this supplement, or at any constant rate.

Lack of publicly available information on the HECMs and the related participations underlying the trust assets may adversely affect the liquidity of your securities. Limited information will be made publicly available regarding the performance of the HECMs and the related participations underlying the trust assets after the closing date. The absence of publicly available information may affect your ability to sell your securities to prospective investors.

THE TRUST ASSETS

General

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

The Trust MBS (Groups 2 through 15 and Subgroups 16A and 17A)

The Group 2 through 15 and Subgroup 16A and 17A Trust Assets are HECM MBS guaranteed by Ginnie Mae, and are based on or backed by Participations in advances made to borrowers and related amounts in respect of HECMs. Each such HECM MBS will accrue interest at the interest rate for that HECM MBS for each accrual period (the “HECM MBS Rate”) as set forth in the related HECM MBS Disclosure Documents. The HECM MBS Rate is generally equal to the weighted average of the interest rates on the Participations (each, the “Participation Interest Rate”).

The interest rate of HECM MBS backed by Participations related to adjustable rate HECMs may be limited by caps on the adjustable rate HECMs. *See “Risk Factors — Adjustable rate HECMs are subject to limitations on interest rate adjustments, which may limit the amount of interest payable in respect of the related HECM MBS and may limit the WACR on the related HECM MBS and the interest rates on the group 1 through 15 securities” in this Supplement.*

With respect to each Participation, the Participation Interest Rate generally equals the interest rate of the related HECM less the Servicing Fee Margin. The Servicing Fee Margin generally represents the amount of the servicing compensation payable to the Ginnie Mae Issuer and the Ginnie Mae guaranty fee. However, the Servicing Fee Margin may vary depending on the Issue Date of the HECM MBS and whether the servicing compensation for the HECM is paid on a flat monthly fee arrangement or as a portion of the mortgage interest rate.

Amounts accrued on each HECM MBS in respect of interest each month will equal the product of (i) one-twelfth of the HECM MBS Rate and (ii) the unpaid and outstanding principal amount of such HECM MBS at the end of the prior month. Each month the accrued interest with respect to each HECM MBS will be added to the then outstanding principal balance of such HECM MBS. There are no scheduled payments of interest. It is generally anticipated that no payment in respect of any HECM MBS will be paid until the occurrence of a Maturity Event, which may be deferred in certain circumstances, or in the event that a borrower makes a voluntary prepayment in whole or in part of the outstanding principal balance of the related HECM or a Ginnie Mae Issuer purchase event occurs.

The HECM MBS Disclosure Documents may be obtained from the Information Agent as described under “Available Information” in this Supplement. Investors are cautioned that material changes in facts and circumstances may have occurred since the date of the HECM MBS Disclosure Documents, including changes in prepayment rates, prevailing interest rates and other economic factors, which may limit the usefulness of, and be directly contrary to the assumptions used in preparing the information included in, the offering document.

The Participations and the related HECMs are further described in the tables in the Terms Sheet hereof and in Exhibit A to this Supplement. Exhibit A also sets forth information regarding approximate loan ages of the related HECMs and weighted average information regarding various characteristics of the HECMs relating to the Participations underlying the related HECM MBS.

The Underlying Certificates (Group 1 and Subgroups 16B and 17B)

The Group 1 and Subgroup 16B and 17B Trust Assets are Underlying Certificates that represent beneficial ownership interests in separate trusts, the assets of which evidence direct or indirect beneficial ownership interests in certain Ginnie Mae Certificates. Each Underlying Certificate constitutes all or a portion of a class of a separate Series of certificates described in the related Underlying Certificate Disclosure

Documents. Each Underlying Certificate Disclosure Document may be obtained from ginniemae.gov or the Information Agent as described under “Available Information” in this Supplement. Investors are cautioned that material changes in facts and circumstances may have occurred since the date of each Underlying Certificate Disclosure Document, including changes in prepayment rates, prevailing interest rates and other economic factors, which may limit the usefulness of, and be directly contrary to the assumptions used in preparing the information included in, such offering document. See “*Underlying Certificates*” in the Base Offering Circular.

Each Underlying Certificate provides for monthly distributions and is further described in the tables contained in Exhibits D and E to this Supplement. The tables also set forth information regarding the approximate weighted average HECM age and gross coupon of the HECMs underlying each Underlying Certificate.

The Participations and the HECMs

The Participations and the related HECMs underlying the Group 2 through 15 and Subgroup 16A and 17A Trust Assets are expected to have, on a weighted average basis, the characteristics set forth in Exhibit A and the general characteristics described in the Base Offering Circular and the HECM MBS Disclosure Documents. The Participations and the related HECMs underlying each Underlying Certificate are expected to have, on a weighted average basis, the characteristics set forth in Exhibits D and E to this supplement. The Participations are related to interests in advances made to borrowers and related amounts in respect of first lien, single-family, fixed rate and adjustable rate residential HECM loans insured by the Federal Housing Administration. See “*The Ginnie Mae Certificates — General*” in the Base Offering Circular.

HECM borrowers may choose from various payment plans, which may be limited or influenced by the characteristics of their particular HECM. These characteristics include, among other things, the value of the mortgaged property, the amount disbursed to the HECM borrower at closing, the age of the HECM borrower and in certain cases the age of any non-borrowing spouse, and the type of interest rate selected by the HECM borrower at closing. HECM borrowers may have the ability to change to another available payment plan at any time as long as the change complies with FHA requirements. The “single disbursement lump sum” payment plan allows a single draw at closing of up to a specified percentage of the principal limit of the HECM plus subsequent disbursements after closing for set-asides. The “tenure” payment plan guarantees that the borrower will receive equal monthly payments for so long as the property remains the borrower’s principal residence. The “term” payment plan guarantees that the borrower will receive monthly payments for a fixed term of months as selected by the borrower. The “line of credit” payment plan allows the borrower to draw up to the available line of credit and in amounts of the borrower’s choosing. The “modified tenure” payment plan allows the borrower to set aside a portion of loan proceeds as a line of credit and receive the remaining balance in the form of equal monthly payments. The “modified term” payment plan allows the borrower to set aside a portion of the loan proceeds as a line of credit and receive the remaining balance as equal monthly payments for a fixed period of time selected by the borrower. Each payment plan is designed so that no repayments of principal or interest are required until a Maturity Event occurs, which may be deferred in certain circumstances. Any HECM may be prepaid in whole or in part at any time without penalty under each of the payment plans. See “*Risk Factors — HECM borrowers may choose from various payment plans, each of which has different prepayment characteristics that may affect the weighted average lives and yields of the securities*” in this Supplement.

Each monthly adjustable rate HECM MBS is backed by Participations related to adjustable rate HECMs with interest rates that adjust (i) on a monthly basis, (ii) in the month immediately following the issuance of the related HECM MBS and (iii) on the same interest rate adjustment date equal to the first day of the month. Each annual adjustable rate HECM MBS is backed by Participations related to adjustable rate HECMs with interest rates that adjust (i) on an annual basis, (ii) within twelve (12) months following the issuance of the related HECM MBS and (iii) notwithstanding anything to the contrary in the HECM MBS Disclosure Documents, on the same or different interest rate adjustment dates. See “*Risk Factors — The mortgage rate indices for the HECMs related to the participations underlying the group 1 through 15 trust assets (and the interest rate index of the underlying certificate included in trust asset group 1) are different than the interest rate index for the group 1 through 15 securities, which may impact, perhaps significantly,*

the amount of interest distributable to the group 1 through 15 securities after the initial fixed rate period of the related HECMs” in this Supplement.

Specific information regarding the individual characteristics of the Participations and the related HECMs is not available. For purposes of this Supplement, certain assumptions have been made regarding the characteristics of the Participations and the related HECMs. However, the actual characteristics of many of the Participations and the related HECMs will differ from the characteristics assumed, perhaps significantly. This will be the case even if the weighted average characteristics of the Participations and the related HECMs are the same as the assumed characteristics. Small differences in the characteristics of the Participations and the related HECMs can have a significant effect on the Weighted Average Lives and yields of the Securities. See *“Terms Sheet — Assumed Characteristics of the HECMs and the Participations underlying the Group 2 through 15 and Subgroup 16A and 17A Trust Assets,” “Terms Sheet — Assumed Characteristics of the HECMs and Participations underlying the Group 1 and Subgroup 16B and 17B Underlying Certificates,” “Risk Factors,” “Yield, Maturity and Prepayment Considerations” and Exhibits A and E in this Supplement.*

The Trustee Fee

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

GINNIE MAE GUARANTY

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

DESCRIPTION OF THE SECURITIES

General

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

Form of Securities

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

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

Each Regular and MX Class will be issued in minimum dollar denominations of initial principal or notional balance of \$100,000 and integral multiples of \$1 in excess of \$100,000.

Distributions

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

Interest Distributions

The Interest Distribution Amount will be distributed or accrued as described under “Terms Sheet — Distributions” in this Supplement.

- Interest will be calculated on the basis of a 360-day year consisting of twelve 30-day months.
- Interest distributable or accrued on any Class for any Distribution Date will consist of 30 days’ interest on its Class Principal Balance (or Class Notional Balance) as of the related Record Date.

Categories of Classes

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

Accrual Period

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

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

Fixed Rate Classes

The Fixed Rate Classes will bear interest at the per annum Interest Rates shown on the front cover of this Supplement.

Floating Rate Classes

The Floating Rate Classes will bear interest as shown under “Terms Sheet — Interest Rates” in this Supplement.

The Interest Rate for the Floating Rate Classes will be based initially on Compounded SOFR with a Corresponding Tenor of 30 days. The Trustee or its agent will determine Compounded SOFR as described under “Description of the Securities — Interest Rate Indices — Determination of SOFR” in the Base Offering Circular.

At any time, Ginnie Mae may, in its sole discretion and without the consent of security holders or any other party, designate Term SOFR and related positive or negative adjustments, spreads or methodology changes as a Replacement Rate for the Floating Rate Classes and instruct the Trustee in writing to replace Compounded SOFR with such Replacement Rate for all purposes relating to such Classes in respect of such determination on such date and all determinations on subsequent dates. Ginnie Mae will not do so unless Ginnie Mae and the Trustee receive a Replacement Rate Tax Opinion. In connection with the implementation of Term SOFR as a Replacement Rate for SOFR Classes, Ginnie Mae will have the right to make other Conforming Changes from time to time without the consent of security holders or any other party, as described under “Description of the Securities — Interest Rate Indices” and “— Interest Rate Indices — Determination of SOFR — Conversion of Simple SOFR and Compounded SOFR Classes to Term SOFR” in the Base Offering Circular.

If SOFR ceases to be available or is no longer representative, a replacement rate will be selected, as described under “Description of the Securities — Interest Rate Indices — Determination of SOFR” in the Base Offering Circular.

HECM MBS Weighted Average Coupon Classes

Each HECM MBS Weighted Average Coupon Class will bear interest as shown under “Terms Sheet — Interest Rates” in this Supplement.

The interest that will be distributed or accrued, as applicable, on each HECM MBS Weighted Average Coupon Class will be limited by the interest that is distributed or accrued in respect of the related Trust Assets. With respect to the Participations underlying the Group 1 through 15 Trust Assets, see “Risk Factors — Adjustable rate HECMs are subject to limitations on interest rate adjustments, which may limit the amount of interest payable in respect of the related HECM MBS and may limit the WACR on the related HECM MBS and the interest rates on the group 1 through 15 securities” in this Supplement and “Risk Factors — The mortgage rate indices for the HECMs related to the participations underlying the group 1 through 15 trust assets (and the interest rate index of the underlying certificate included in trust asset group 1) are different than the interest rate index for the group 1 through 15 securities, which may impact, perhaps significantly, the amount of interest distributable to the group 1 through 15 securities after the initial fixed rate period of the related HECMs” in this Supplement. With respect to the Participations underlying the Group 1 Trust Asset, see “Risk Factors — The WACR of the group 1 trust asset may limit the amount of interest distributed to or accrued on the related floating rate and notional classes” in this Supplement.

The Trustee's determination of Compounded SOFR and its calculation of the Interest Rates will be final except in the case of clear error. Investors can obtain Compounded SOFR levels and Interest Rates for the current and preceding Accrual Periods from ginniemae.gov or by calling the Information Agent at (800) 234-GNMA.

HECM MBS Accrual Classes

Each of Classes AF, AL, BF, CF, DF, DL, EF, FA, FB, FC, FD, FE, FG, FH, FJ, GF, HF, LA and LD is a HECM MBS Accrual Class. Interest will accrue on each HECM MBS Accrual Class and be distributed as described under "HECM MBS Accrual Class" in Appendix II to the Base Offering Circular.

Deferred Interest Amounts

Any interest accrued and unpaid on a Notional Class during the Accrual Period for any Distribution Date that is not distributed because of an insufficiency in the related Available Distribution Amount for such Distribution Date increases the related Deferred Interest Amount for such Notional Class. Any such amounts distributable to the Holders of a Notional Class will be paid no later than the Final Distribution Date of such Notional Class.

Principal Distributions

Amounts distributable in respect of principal will be distributed to the Holders entitled thereto as described under "Terms Sheet — Distributions" in this Supplement. Investors can calculate the amount of principal to be distributed with respect to any Distribution Date by using the Class Factors published in the preceding and current months. See "*— Class Factors*" below.

Categories of Classes

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

Notional Classes

The Notional Classes will not receive principal distributions based on their Class Notional Balances. For convenience in describing interest distributions, the Notional Classes will have the original Class Notional Balances shown on the front cover of this Supplement and on Schedule I to this Supplement. The Class Notional Balances will be reduced or increased as shown under "Terms Sheet — Notional Classes" in this Supplement.

Residual Securities

The Class RR, RR1, RR13 and RR14 Securities will represent the beneficial ownership of the Residual Interest in the related Issuing REMIC and the beneficial ownership of the Residual Interest in the related Pooling REMIC, as described in "Certain United States Federal Income Tax Consequences" in the Base Offering Circular. The Class RR, RR1, RR13 and RR14 Securities have no Class Principal Balance and do not accrue interest. The Class RR, RR1, RR13 and RR14 Securities will be entitled to receive the proceeds of the disposition of any assets remaining in the related Trust REMICs after the Class Principal Balance or Class Notional Balance of each Class of Regular Securities in the related Security Group or Groups has been reduced to zero. However, any remaining proceeds are not likely to be significant. The Residual Securities may not be transferred to a Plan Investor, a Non-U.S. Person or a Disqualified Organization.

Class Factors

The Trustee will calculate and make available for each Class of Securities, no later than the day preceding the Distribution Date, the factor (carried out to eight decimal places) that when multiplied by the Original Class Principal Balance (or original Class Notional Balance) of that Class, determines the Class Principal Balance (or Class Notional Balance) after giving effect to the distribution of principal to be made

on the Securities (and any addition to the Class Principal Balance of a HECM MBS Accrual Class and, in the case of the Class DY and Class YD Securities, any addition resulting from an increase in the Class IL Deferred Interest Amount or the Class LI Deferred Interest Amount, as applicable) or any addition to or reduction of Class Notional Balance on that Distribution (each, a “Class Factor”).

- The Class Factor for any Class of Securities for each month following the issuance of the Securities will reflect its remaining Class Principal Balance (or Class Notional Balance) after giving effect to any principal distribution (or addition to principal) to be made or any addition to or reduction of Class Notional Balance on the Distribution Date occurring in that month.
- The Class Factor for each Class for the month of issuance is 1.00000000.
- The Class Factors for the MX Classes and the Classes of REMIC Securities that are exchangeable for the MX Classes will be calculated assuming that the maximum possible amount of each Class is outstanding at all times, regardless of any exchanges that may occur.
- Investors may obtain current Class Factors on ginniemae.gov.

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

Termination

The Trustee, at its option, may purchase or cause the sale of the Trust Assets and thereby terminate the Trust on any Distribution Date on which the aggregate of the Class Principal Balances of the Securities is less than 1% of the aggregate Original Class Principal Balances of the Securities. On any Distribution Date upon the Trustee’s determination that the REMIC status of any Trust REMIC has been lost or that a substantial risk exists that this status will be lost for the then current taxable year, the Trustee will terminate such Trust REMIC and any related Trust REMIC and retire the related Securities. For these purposes, the Trust REMICs and the Securities with corresponding numerical designations are related as follows:

Trust REMICs	Related Securities
Group 1 Issuing and Pooling REMICs	Group 1 Securities
Group 13 Issuing and Pooling REMICs	Group 13 Securities
Group 14 Issuing and Pooling REMICs	Group 14 Securities
Group 2 through 12 and 15 through 17 Issuing and Pooling REMICs	Group 2 through 12 and 15 through 17 Securities

Upon any termination of the Trust (or one or more related Trust REMICs), the Holder of any related outstanding Security (other than a Residual or Notional Class Security) will be entitled to receive that Holder’s allocable share of the Class Principal Balance of that Class plus any accrued and unpaid interest thereon at the applicable Interest Rate, and any Holder of any related outstanding Notional Class Security will be entitled to receive that Holder’s allocable share of any accrued and unpaid interest thereon at the applicable Interest Rate (including any related Deferred Interest Amount). The Residual Holders will be entitled to their pro rata share of any assets remaining in the related Trust REMICs after payment in full of the amounts described in the foregoing sentence. However, any remaining assets are not likely to be significant.

With respect to each of Security Groups 1, 13 and 14, a Holder of all of the outstanding Regular Securities of such Security Group and the related Class of Residual Securities will have the right to purchase the related Trust Assets upon three Business Days’ notice (the “Notice Period”). The purchase will be for cash in an amount equal to (A)(i) the aggregate remaining principal balance of the Trust Assets of such Security Group, but in no event less than the aggregate outstanding principal amount, if any, plus Deferred Interest Amount, if any, of the Securities of such Security Group, plus (ii) accrued interest on the Securities of such Security Group, less (B) amounts on deposit in the related Trust REMIC or Trust REMICs, for distribution on the Securities of such Security Group, plus (C) a \$5,000 termination fee payable to the Trustee in connection with each Security Group to be terminated. After the Notice Period, and upon such purchase, the Trustee will terminate the related Trust REMIC or Trust REMICs. Upon such termination, the Trustee will distribute the cash proceeds of the sale of the related Trust Assets to the Holder of the related Securities (which distribution may be offset against amounts due on the sale of such assets), will cancel

the Securities of the related Security Group and cause the removal from the Book-Entry Depository Account of all Classes of the related Security Group, will cancel the related Class of Residual Securities, and will credit the remaining Trust Assets in the related Security Group to the account of the surrendering Holder.

Notwithstanding anything to the contrary contained herein, no such termination will be allowed unless the Trustee and Ginnie Mae are provided, at no cost to either the Trustee or Ginnie Mae, an Opinion of Counsel, acceptable to the Trustee and Ginnie Mae, to the effect that such termination constitutes a “qualified liquidation” under the REMIC Provisions, including Section 860F(a)(4) of the Code, and such termination will not result in a disqualification of any Trust REMIC that is not terminated at such time or the imposition of any “prohibited transactions” or “contributions” tax under the REMIC Provisions on any Trust REMIC that is not terminated at such time.

Modification and Exchange

All or a portion of the Classes of REMIC Securities specified on the front cover may be exchanged for a proportionate interest in the related MX Class shown on Schedule I to this Supplement. Similarly, all or a portion of the related MX Class may be exchanged for proportionate interests in the related Classes of REMIC Securities. This process may occur repeatedly.

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

A Beneficial Owner proposing to effect an exchange must notify the Trustee through the Beneficial Owner’s Book-Entry Depository participant. This notice must be received by the Trustee not later than two Business Days before the proposed exchange date. The exchange date can be any Business Day other than the last Business Day of the month. The notice must contain the outstanding principal or notional balances of the Securities to be included in the exchange and the proposed exchange date. The notice is required to be delivered to the Trustee by email to USBGNMTeam@USBank.com or in writing at its Corporate Trust Office at One Federal Street, 3rd Floor, Boston, MA 02110, Attention: Ginnie Mae REMIC Program Agency Group 2021-H14. The Trustee may be contacted by telephone at (617) 603-6451 and by fax at (617) 603-6644.

A fee will be payable to the Trustee in connection with each exchange equal to 1/32 of 1% of the outstanding principal balance or notional balance of the Securities surrendered for exchange (but not less than \$2,000 or more than \$25,000); provided, however, that no fee will be payable in respect of an interest only security unless all securities involved in the exchange are interest only securities. The fee must be paid concurrently with the exchange.

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

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

YIELD, MATURITY AND PREPAYMENT CONSIDERATIONS

General

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

- The rate of principal payments (including prepayments or partial payments) of the HECMs relating to the Participations underlying the Securities and the Underlying Certificates depends on a variety of economic, geographic, social and other factors, including prevailing market interest rates, home values, HECM borrower mortality, qualifying non-borrowing spouse mortality, divorce rates, changes in the value of the mortgaged property, the HECM borrower's ability to draw down additional funds without refinancing, FHA guidelines regarding HECMs, servicing decisions and court imposed limits on the rights and remedies available to a Ginnie Mae Issuer under the HECMs, and will affect the Weighted Average Lives and yields realized by investors in the related Securities. HECMs may respond differently than traditional forward mortgage loans to the factors that influence prepayment.

With respect to the related Trust Assets, the occurrence of any of the following events with respect to a HECM related to the Participations underlying the related HECM MBS (each a "Maturity Event") will, subject to deferral in certain circumstances, result in the holders of the Securities being entitled to a distribution of principal:

- if a borrower dies and the property is not the principal residence of at least one surviving borrower,
- if a borrower conveys all of his or her title in the mortgaged property and no other borrower retains title to the mortgaged property,
- if the mortgaged property ceases to be the principal residence of a borrower for reasons other than death and the mortgaged property is not the principal residence of at least one surviving borrower,
- if a borrower fails to occupy the mortgaged property for a period of longer than 12 consecutive months because of physical or mental illness and the mortgaged property is not the principal residence of at least one other borrower, or
- if a borrower fails to perform any of its obligations under the HECM (for example, the failure of the borrower to make certain agreed upon repairs to the mortgaged property or the failure of the borrower to pay taxes and hazard insurance premiums).

Some HECMs may provide for the deferral of a Maturity Event when the last surviving borrower dies with a non-borrowing spouse who satisfies FHA qualifying attributes and ongoing requirements for deferral. This deferral ceases when the non-borrowing spouse fails to qualify or satisfy FHA requirements for deferral, at which point the Maturity Event is no longer deferred and the HECM will become due and payable in accordance with FHA procedures.

Generally, a HECM is not repaid immediately upon the occurrence of a Maturity Event, but continues to accrue interest until the liquidation of the related mortgaged property and the repayment of the HECM or the receipt of insurance proceeds from FHA. Any resulting shortfall to investors in the related Securities with respect to any Participations in the related HECM will be covered by Ginnie Mae pursuant to its guaranty of the Securities.

A Ginnie Mae Issuer is obligated to purchase all Participations related to a HECM when the outstanding principal amount of the related HECM is equal to or greater than 98% of the "Maximum Claim Amount," and a Ginnie Mae Issuer has the option to purchase all Participations related to a HECM to the extent that any borrower's request for an additional advance in respect of any HECM, if funded, together with the outstanding principal amount of the related HECM is equal to or greater than 98% of the "Maximum Claim Amount" or when a HECM becomes, and continues to be, due and payable in accordance with its terms, as applicable (any such purchase referred to herein as a "Ginnie Mae Issuer Purchase Event"). In connection with such repurchase, the Ginnie Mae Issuer will pay an amount (the "Release

Price”) equal to the outstanding principal amount of all of the Participations related to such HECMs, and Ginnie Mae will relinquish all right, title and interest it has in the HECMs and the related Participations. With respect to each Participation, the “outstanding principal amount” of such Participation is the original principal amount of such Participation as of the related Issue Date of the related HECM MBS, increased by the Accrued Interest with respect to such Participation and decreased by any payments made in respect of such Participation. For purposes of determining the Release Price, the “Accrued Interest” with respect to any Participation is the aggregate interest accrued, compounded on a monthly basis, allocable to the Participation at the related Participation Interest Rate for each month (in each case, after taking into account any payments made in reduction of such Participation) from and including the Issue Date through the last day of the reporting month (as such term is defined in the Ginnie Mae guaranty agreement for the related HECM MBS) in which the Participation is to be purchased. The Participations relating to the HECM must be purchased by the Ginnie Mae Issuer at the end of the reporting month in which the outstanding principal balance of the HECM equals or exceeds 98% of the Maximum Claim Amount for such HECM. The Release Price will be passed through to the related securityholders on the Distribution Date following the month in which such Ginnie Mae Issuer Purchase Event occurs.

Higher levels of One-Year LIBOR or One-Year CMT, as applicable, and additional draws on HECMs will increase the rate at which the related HECMs will reach their Maximum Claim Amounts. Any payment in respect of the related Securities resulting from a Ginnie Mae Issuer Purchase Event will reduce the Weighted Average Lives of such Securities and will affect, perhaps significantly, the yields on such Securities.

The occurrence of voluntary prepayments by a borrower, Maturity Events and Ginnie Mae Issuer Purchase Events will accelerate the distribution of principal of the Securities. It is uncertain when any amounts might be paid on securities backed by Participations in HECMs because it is uncertain (i) whether a HECM borrower will choose to prepay amounts advanced in whole or in part, (ii) when any Maturity Event might occur and whether that Maturity Event will be deferred and (iii) when any Ginnie Mae Issuer Purchase Event might occur. Investors in the Securities are urged to review the discussion under “*Risk Factors — It is uncertain when payments will be made in respect of securities backed by HECM MBS*” in this Supplement and also the HECM MBS Disclosure Documents.

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

Investors in the Group 1, 16 and 17 Securities are urged to review the discussion under “*Risk Factors--The rate of reduction or increase in the principal balance of the underlying certificates will directly affect the rate of reduction or increase in the principal and notional balances of the group 1, 16 and 17 securities*” in this Supplement.

Final Distribution Date

The Final Distribution Date for each Class, which is set forth on the front cover of this Supplement or on Schedule I to this Supplement, is the latest date on which the related Class Principal Balance or Class Notional Balance will be reduced to zero. In the case of each Notional Class, the related Deferred Interest Amount will be reduced to zero no later than the Final Distribution Date for such Notional Class.

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

Modeling Assumptions

The tables that follow have been prepared on the basis of the characteristics of the Underlying Certificates and the following assumptions (the “Modeling Assumptions”), among others:

1. The HECMs and related Participations underlying the Group 2 through 15 and Subgroup 16A and 17A Trust Assets have the assumed characteristics shown in Exhibit A, and the HECMs and related Participations underlying the Group 1 and Subgroup 16B and 17B Trust Assets have the assumed characteristics shown in Exhibit E.

2. The HECMs prepay at the constant percentages of the prepayment curve (described below and in Exhibit B) shown in the related table.
3. Draw activity occurs on the first day of the month and payments on the HECMs occur on the last day of the month, whether or not a Business Day, commencing in September 2021.
4. Distributions, if any, on the Securities are always received on the 20th day of the month, whether or not a Business Day, commencing in October 2021.
5. A termination of the Trust, any Trust REMIC or any Underlying Trust does not occur.
6. The Closing Date for the Securities is September 30, 2021.
7. No expenses or fees are paid by the Trust other than the Trustee Fee, which is paid as described under "The Trust Assets — The Trustee Fee" in this Supplement.
8. Distributions on the Underlying Certificates are made as described in the Underlying Certificate Disclosure Documents.
9. HECM borrowers who have the ability to do so draw at the annualized draw rate determined in accordance with the constant percentages of the draw curve shown in Exhibit C (the "Draw Rate"). The Draw Rate (converted to an equivalent monthly factor) is applied to the Maximum Claim Amount.
10. If a mandatory Ginnie Mae Issuer Purchase Event occurs with respect to a HECM, the purchase of the related Participation timely occurs. No optional Ginnie Mae Issuer Purchase Events occur.
11. The initial Interest Rates on the Group 2 through 15 Securities will be based on the initial rates as shown under "Terms Sheet — Interest Rates" in this Supplement; however, the interest rate on the Group 2 through 15 adjustable rate HECMs for each period preceding the applicable Approximate Weighted Average Next Rate Reset Month shown in Exhibit A is based on the information set forth in Exhibit A. For purposes of the Group 2 through 15 decrement tables, in all periods on or subsequent to the applicable Approximate Weighted Average Next Rate Reset Month shown in Exhibit A, the constant value of One-Year CMT shown with respect to any such decrement table is used to calculate the interest rate with respect to the Group 2 through 15 HECMs, while on all Distribution Dates occurring after the first Distribution Date, the constant value of Compounded SOFR shown with respect to any such decrement table is used to calculate the interest rate with respect to the applicable Class.
12. The initial Interest Rates on the Group 1 Securities will be based on the initial rates as shown under "Terms Sheet — Interest Rates" in this Supplement; however, the interest rate on the adjustable rate HECMs underlying the Group 1 Trust Asset for each period preceding the applicable Approximate Weighted Average Next Rate Reset Month shown in Exhibit E is based on the information set forth in Exhibit E. For purposes of the Group 1 decrement tables, in all periods on or subsequent to the applicable Approximate Weighted Average Next Rate Reset Month shown in Exhibit E, the constant value of One-Year LIBOR shown with respect to any such decrement table is used to calculate the interest rate with respect to the HECMs underlying the Group 1 Trust Asset, while on all Distribution Dates occurring after the first Distribution Date, the constant value of Compounded SOFR shown with respect to any such decrement table is used to calculate the interest rates with respect to the Group 1 Securities and the constant value of One-Month LIBOR shown with respect to any such decrement table is used to calculate the interest rate with respect to the Group 1 Trust Asset.
13. The HECMs and the Participations underlying the Group 1 Trust Asset each have annual interest rate adjustment caps of 2%. There are no periodic interest rate adjustment caps on the HECMs and the Participations underlying the Group 2 through 15 Trust Assets.
14. The original term of the HECMs is 50 years. If a HECM remains outstanding after its original term of 50 years, a mandatory Ginnie Mae Issuer Purchase Event occurs with respect to such HECM.
15. No borrower changes payment plans.
16. Each Class is held from the Closing Date and is not exchanged in whole or in part.

17. Draws occur each month in respect of the Monthly Servicing Fee, if any, as set forth on Exhibit A or Exhibit E. No draws occur in respect of any set asides for property charges (such as taxes, hazard insurance, ground rents or assessments) or repairs.

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

- For example, most of the HECMs will not have the characteristics assumed, many Distribution Dates will occur on a Business Day after the 20th of the month, draw activity and prepayments, if any, will occur throughout the month, draws will occur in respect of set asides for property charges and repairs, the Trustee may cause a termination of the Trust as described under “Description of the Securities — Termination” in this Supplement and Compounded SOFR on the Securities may differ from One-Year LIBOR or One-Year CMT, as applicable, on the related adjustable rate HECMs (including the HECMs underlying the Underlying Certificate included in Trust Asset Group 1) and Compounded SOFR on the Group 1 Securities may differ from One-Month LIBOR on the Underlying Certificate included in Trust Asset Group 1.
- In addition, distributions on the Securities are based on Certificate Factors and Calculated Certificate Factors, as applicable, which may not reflect actual receipts on the Trust Assets.

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

Decrement Tables

Prepayments of mortgage loans are commonly measured by a prepayment standard or model. The model used in this Supplement is based on a prepayment curve (“PPC”) consisting of a series of Constant Prepayment Rates (“CPRs”). CPR is the standard prepayment assumption model of The Securities Industry and Financial Markets Association. CPR represents a constant rate of prepayment on the HECMs each month relative to the then outstanding aggregate principal balance of the HECMs for the life of those HECMs. See “Yield, Maturity and Prepayment Considerations — Standard Prepayment Assumption Models” in the Base Offering Circular.

The PPC and Draw Rates are based on the respective percentages in effect beginning on each Distribution Date as indicated in Exhibits B and C.

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

The decrement tables set forth below illustrate the percentage of the Original Class Principal Balance (or, in the case of a Notional Class, the original Class Notional Balance) that would remain outstanding following the distribution made each specified month for each Regular or MX Class, based on the assumptions that the related HECMs prepay at the PPC Prepayment Assumption Rates set forth in such tables, One-Month LIBOR, One-Year LIBOR, Compounded SOFR and One-Year CMT, as applicable, are constant at the rates set forth in such tables and draws, if any, occur at the Draw Rates set forth in Exhibit C. The percentages set forth in the following decrement tables have been rounded to the nearest whole percentage (including rounding down to zero).

The decrement tables also indicate the Weighted Average Life of each Class under each PPC Prepayment Assumption Rate and each indicated level of One-Month LIBOR, One-Year LIBOR, One-Year CMT and Compounded SOFR, as applicable. The Weighted Average Life of each Class is calculated by:

- (a) multiplying the net reduction, if any, of the Class Principal Balance (or the net reduction of the Class Notional Balance, in the case of a Notional Class) from one Distribution Date to the next Distribution Date by the number of years from the date of issuance thereof to the related Distribution Date,

- (b) summing the results, and
- (c) dividing the sum by the aggregate amount of the assumed net reductions in principal balance or notional amount, as applicable, referred to in clause (a).

The information shown for each Notional Class is for illustrative purposes only, as a Notional Class is not entitled to distributions of principal based on its Class Notional Balance and has no Weighted Average Life. The Weighted Average Life shown for each Notional Class has been calculated on the assumption that a reduction in the Class Notional Balance thereof is a distribution of principal and further does not factor in any entitlement to the applicable Deferred Interest Amount. See the footnotes below related to the decrement tables for each Notional Class.

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

**Security Group 1
PPC Prepayment Assumption Rates**

Distribution Date	Class FA 0.01000% Compounded SOFR 0.08000% One-Month LIBOR 0.22000% One-Year LIBOR					Class FA 3.60500% Compounded SOFR 3.61500% One-Month LIBOR 4.12600% One-Year LIBOR					Class FA 7.20000% Compounded SOFR 7.15000% One-Month LIBOR 8.03200% One-Year LIBOR				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
Initial Percent . . .	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
September 2022 . .	100	94	92	89	87	103	95	93	90	88	103	95	93	90	88
September 2023 . .	101	87	82	77	72	107	91	86	80	75	108	91	86	80	75
September 2024 . .	101	80	72	65	58	111	86	78	70	63	115	87	79	71	64
September 2025 . .	101	72	62	53	46	116	81	70	60	51	124	84	73	62	53
September 2026 . .	102	64	53	43	35	120	75	62	50	41	134	80	66	54	43
September 2027 . .	102	56	44	34	26	125	68	53	41	31	143	74	58	45	34
September 2028 . .	102	49	36	26	18	129	61	45	33	23	144	64	47	34	24
September 2029 . .	102	42	29	19	13	134	54	37	25	17	148	56	39	26	17
September 2030 . .	103	35	23	14	9	130	44	28	18	11	19	6	4	2	1
September 2031 . .	103	29	17	10	6	135	38	23	13	7	1	0	0	0	0
September 2032 . .	103	24	13	7	3	27	6	3	2	1	1	0	0	0	0
September 2033 . .	104	20	10	5	2	17	3	1	1	0	0	0	0	0	0
September 2034 . .	104	16	7	3	1	1	0	0	0	0	0	0	0	0	0
September 2035 . .	104	12	5	2	1	1	0	0	0	0	0	0	0	0	0
September 2036 . .	105	10	4	1	0	1	0	0	0	0	0	0	0	0	0
September 2037 . .	105	7	2	1	0	0	0	0	0	0	0	0	0	0	0
September 2038 . .	105	5	2	0	0	0	0	0	0	0	0	0	0	0	0
September 2039 . .	105	4	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2040 . .	105	3	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2041 . .	106	2	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2042 . .	104	2	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2043 . .	99	1	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2044 . .	93	1	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2045 . .	61	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2046 . .	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2047 . .	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2048 . .	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2049 . .	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2050 . .	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2051 . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2052 . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2053 . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2054 . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2055 . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2056 . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2057 . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2058 . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2059 . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2060 . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2061 . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2062 . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2063 . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2064 . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2065 . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2066 . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2067 . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2068 . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2069 . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2070 . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2071 . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years) . . .	24.8	7.7	6.1	5.0	4.3	10.8	7.5	6.3	5.3	4.6	8.4	6.8	5.9	5.1	4.5

**Security Group 1
PPC Prepayment Assumption Rates**

Distribution Date	Class AI* 0.01000% Compounded SOFR 0.08000% One-Month LIBOR 0.22000% One-Year LIBOR					Class AI* 3.60500% Compounded SOFR 3.61500% One-Month LIBOR 4.12600% One-Year LIBOR					Class AI* 7.20000% Compounded SOFR 7.15000% One-Month LIBOR 8.03200% One-Year LIBOR				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
Initial Percent . . .	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
September 2022 . .	100	94	92	89	87	103	95	93	90	88	103	95	93	90	88
September 2023 . .	101	87	82	77	72	107	91	86	80	75	108	91	86	80	75
September 2024 . .	101	80	72	65	58	111	86	78	70	63	115	87	79	71	64
September 2025 . .	102	72	62	53	46	116	81	70	60	51	124	84	73	62	53
September 2026 . .	102	64	53	43	35	120	75	62	50	41	134	80	66	54	43
September 2027 . .	103	56	44	34	26	125	68	53	41	31	144	74	58	45	34
September 2028 . .	103	49	36	26	18	130	61	45	33	23	144	64	47	34	24
September 2029 . .	103	42	29	19	13	135	54	37	25	17	148	56	39	26	17
September 2030 . .	104	35	23	14	9	131	44	28	18	11	19	6	4	2	1
September 2031 . .	104	29	17	10	6	135	38	23	13	7	1	0	0	0	0
September 2032 . .	105	24	13	7	3	27	6	3	2	1	1	0	0	0	0
September 2033 . .	105	20	10	5	2	17	3	1	1	0	0	0	0	0	0
September 2034 . .	106	16	7	3	1	1	0	0	0	0	0	0	0	0	0
September 2035 . .	106	12	5	2	1	1	0	0	0	0	0	0	0	0	0
September 2036 . .	106	10	4	1	0	1	0	0	0	0	0	0	0	0	0
September 2037 . .	107	7	2	1	0	0	0	0	0	0	0	0	0	0	0
September 2038 . .	107	5	2	0	0	0	0	0	0	0	0	0	0	0	0
September 2039 . .	107	4	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2040 . .	108	3	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2041 . .	108	2	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2042 . .	107	2	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2043 . .	102	1	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2044 . .	96	1	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2045 . .	63	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2046 . .	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2047 . .	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2048 . .	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2049 . .	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2050 . .	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2051 . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2052 . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2053 . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2054 . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2055 . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2056 . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2057 . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2058 . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2059 . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2060 . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2061 . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2062 . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2063 . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2064 . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2065 . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2066 . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2067 . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2068 . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2069 . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2070 . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2071 . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years) . . .	24.8	7.7	6.1	5.0	4.3	10.8	7.5	6.3	5.3	4.6	8.4	6.8	5.9	5.1	4.5

* The decrement tables for Class AI reflect only the Class AI Notional Balance at various rates of PPC and at various levels of Compounded SOFR, One-Month LIBOR and One-Year LIBOR. In addition to the current interest accrual amount on the Class AI Notional Balance at the Class AI Interest Rate, Class AI is entitled to the Class AI Deferred Interest Amount. No representation is made about the timing of distributions of the Class AI Deferred Interest Amount other than that such amount will be paid no later than the final Distribution Date for Class AI.

**Security Group 2
PPC Prepayment Assumption Rates**

Distribution Date	Class AF 0.01000% Compounded SOFR 0.07000% One-Year CMT					Class AF 6.05000% Compounded SOFR 5.07500% One-Year CMT					Class AF 12.09000% Compounded SOFR 10.08000% One-Year CMT				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
	Initial Percent. . . .	100	100	100	100	100	100	100	100	100	100	100	100	100	100
September 2022 . . .	101	99	98	97	95	106	103	102	101	100	106	103	102	101	100
September 2023 . . .	103	94	91	88	85	114	103	100	97	93	114	103	100	97	93
September 2024 . . .	104	88	82	77	72	122	101	95	89	83	122	101	95	89	83
September 2025 . . .	105	80	73	66	59	130	98	89	80	72	130	98	89	80	72
September 2026 . . .	107	73	63	55	47	135	90	78	68	58	135	90	78	68	58
September 2027 . . .	108	65	54	44	36	144	85	70	58	47	144	85	70	58	47
September 2028 . . .	110	58	45	35	27	154	79	62	48	37	154	79	62	48	37
September 2029 . . .	111	50	37	27	20	164	72	54	39	28	164	72	54	39	28
September 2030 . . .	109	42	29	20	14	0	0	0	0	0	0	0	0	0	0
September 2031 . . .	111	36	23	15	9	0	0	0	0	0	0	0	0	0	0
September 2032 . . .	112	30	18	11	6	0	0	0	0	0	0	0	0	0	0
September 2033 . . .	113	25	14	7	4	0	0	0	0	0	0	0	0	0	0
September 2034 . . .	115	20	10	5	2	0	0	0	0	0	0	0	0	0	0
September 2035 . . .	117	16	8	3	1	0	0	0	0	0	0	0	0	0	0
September 2036 . . .	118	13	5	2	1	0	0	0	0	0	0	0	0	0	0
September 2037 . . .	120	10	4	1	0	0	0	0	0	0	0	0	0	0	0
September 2038 . . .	121	8	3	1	0	0	0	0	0	0	0	0	0	0	0
September 2039 . . .	123	6	2	0	0	0	0	0	0	0	0	0	0	0	0
September 2040 . . .	124	4	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2041 . . .	126	3	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2042 . . .	128	2	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2043 . . .	129	2	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2044 . . .	131	1	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2045 . . .	133	1	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2046 and thereafter . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	23.9	8.8	7.1	6.1	5.3	8.3	7.5	6.8	6.2	5.6	8.3	7.5	6.8	6.2	5.6

**Security Group 2
PPC Prepayment Assumption Rates**

Distribution Date	Class IA* 0.01000% Compounded SOFR 0.07000% One-Year CMT					Class IA* 6.05000% Compounded SOFR 5.07500% One-Year CMT					Class IA* 12.09000% Compounded SOFR 10.08000% One-Year CMT				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
	Initial Percent. . . .	100	100	100	100	100	100	100	100	100	100	100	100	100	100
September 2022 . . .	102	99	98	97	95	106	103	102	101	100	106	103	102	101	100
September 2023 . . .	103	94	91	88	85	114	103	100	97	93	114	103	100	97	93
September 2024 . . .	105	88	82	77	72	122	101	95	89	83	122	101	95	89	83
September 2025 . . .	107	80	73	66	59	130	98	89	80	72	130	98	89	80	72
September 2026 . . .	109	73	63	55	47	135	90	78	68	58	135	90	78	68	58
September 2027 . . .	110	65	54	44	36	144	85	70	58	47	144	85	70	58	47
September 2028 . . .	112	58	45	35	27	154	79	62	48	37	154	79	62	48	37
September 2029 . . .	114	50	37	27	20	164	72	54	39	28	164	72	54	39	28
September 2030 . . .	112	42	29	20	14	0	0	0	0	0	0	0	0	0	0
September 2031 . . .	114	36	23	15	9	0	0	0	0	0	0	0	0	0	0
September 2032 . . .	116	30	18	11	6	0	0	0	0	0	0	0	0	0	0
September 2033 . . .	118	25	14	7	4	0	0	0	0	0	0	0	0	0	0
September 2034 . . .	120	20	10	5	2	0	0	0	0	0	0	0	0	0	0
September 2035 . . .	122	16	8	3	1	0	0	0	0	0	0	0	0	0	0
September 2036 . . .	124	13	5	2	1	0	0	0	0	0	0	0	0	0	0
September 2037 . . .	126	10	4	1	0	0	0	0	0	0	0	0	0	0	0
September 2038 . . .	128	8	3	1	0	0	0	0	0	0	0	0	0	0	0
September 2039 . . .	130	6	2	0	0	0	0	0	0	0	0	0	0	0	0
September 2040 . . .	133	4	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2041 . . .	135	3	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2042 . . .	137	2	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2043 . . .	139	2	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2044 . . .	142	1	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2045 . . .	144	1	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2046 and thereafter . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	24.0	8.8	7.1	6.1	5.3	8.3	7.5	6.8	6.2	5.6	8.3	7.5	6.8	6.2	5.6

* The decrement tables for Class IA reflect only the Class IA Notional Balance at various rates of PPC and at various levels of Compounded SOFR and One-Year CMT. In addition to the current interest accrual amount on the Class IA Notional Balance at the Class IA Interest Rate, Class IA is entitled to the Class IA Deferred Interest Amount. No representation is made about the timing of distributions of the Class IA Deferred Interest Amount other than that such amount will be paid no later than the final Distribution Date for Class IA.

**Security Group 3
PPC Prepayment Assumption Rates**

Distribution Date	Class BI* 0.01000% Compounded SOFR 0.07000% One-Year CMT					Class BI* 6.05000% Compounded SOFR 5.07500% One-Year CMT					Class BI* 12.09000% Compounded SOFR 10.08000% One-Year CMT				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
	Initial Percent. . . .	100	100	100	100	100	100	100	100	100	100	100	100	100	100
September 2022 . . .	102	99	99	98	97	106	104	103	102	102	111	109	108	107	106
September 2023 . . .	103	95	92	90	87	114	105	102	99	96	125	115	112	108	105
September 2024 . . .	105	89	84	79	74	122	103	97	91	86	140	119	112	106	99
September 2025 . . .	107	82	75	68	61	130	100	91	82	75	152	117	106	97	88
September 2026 . . .	109	74	65	57	49	134	92	80	70	61	1	1	1	1	1
September 2027 . . .	107	64	54	45	37	143	87	72	60	49	2	1	1	1	1
September 2028 . . .	108	57	45	36	28	153	80	64	50	39	2	1	1	1	0
September 2029 . . .	110	50	37	28	20	1	1	0	0	0	1	0	0	0	0
September 2030 . . .	112	43	30	21	14	1	1	0	0	0	0	0	0	0	0
September 2031 . . .	114	37	24	16	10	2	0	0	0	0	0	0	0	0	0
September 2032 . . .	116	31	19	11	7	1	0	0	0	0	0	0	0	0	0
September 2033 . . .	118	26	14	8	4	0	0	0	0	0	0	0	0	0	0
September 2034 . . .	120	21	11	5	3	0	0	0	0	0	0	0	0	0	0
September 2035 . . .	122	17	8	4	2	0	0	0	0	0	0	0	0	0	0
September 2036 . . .	124	13	6	2	1	0	0	0	0	0	0	0	0	0	0
September 2037 . . .	126	11	4	1	0	0	0	0	0	0	0	0	0	0	0
September 2038 . . .	128	8	3	1	0	0	0	0	0	0	0	0	0	0	0
September 2039 . . .	130	6	2	1	0	0	0	0	0	0	0	0	0	0	0
September 2040 . . .	131	5	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2041 . . .	133	3	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2042 . . .	136	2	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2043 and thereafter . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	21.3	8.8	7.2	6.2	5.4	7.4	6.9	6.4	5.9	5.5	4.6	4.6	4.6	4.5	4.4

* The decrement tables for Class BI reflect only the Class BI Notional Balance at various rates of PPC and at various levels of Compounded SOFR and One-Year CMT. In addition to the current interest accrual amount on the Class BI Notional Balance at the Class BI Interest Rate, Class BI is entitled to the Class BI Deferred Interest Amount. No representation is made about the timing of distributions of the Class BI Deferred Interest Amount other than that such amount will be paid no later than the final Distribution Date for Class BI.

**Security Group 3
PPC Prepayment Assumption Rates**

Distribution Date	Class FB 0.01000% Compounded SOFR 0.07000% One-Year CMT					Class FB 6.05000% Compounded SOFR 5.07500% One-Year CMT					Class FB 12.09000% Compounded SOFR 10.08000% One-Year CMT				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
	Initial Percent. . . .	100	100	100	100	100	100	100	100	100	100	100	100	100	100
September 2022 . . .	101	99	99	98	97	106	104	103	102	102	111	109	108	107	106
September 2023 . . .	103	95	92	90	87	114	105	102	99	96	125	115	112	108	105
September 2024 . . .	104	89	84	79	74	122	103	97	91	86	140	119	112	106	99
September 2025 . . .	105	82	75	68	61	130	100	91	82	75	152	117	106	97	88
September 2026 . . .	107	74	65	57	49	134	92	80	70	60	1	1	1	1	1
September 2027 . . .	105	64	54	45	37	143	86	72	60	49	2	1	1	1	1
September 2028 . . .	106	57	45	36	28	153	80	64	50	39	2	1	1	1	0
September 2029 . . .	107	50	37	28	20	1	1	0	0	0	1	0	0	0	0
September 2030 . . .	109	43	30	21	14	1	1	0	0	0	0	0	0	0	0
September 2031 . . .	110	37	24	16	10	2	0	0	0	0	0	0	0	0	0
September 2032 . . .	112	31	19	11	7	1	0	0	0	0	0	0	0	0	0
September 2033 . . .	113	26	14	8	4	0	0	0	0	0	0	0	0	0	0
September 2034 . . .	115	21	11	5	3	0	0	0	0	0	0	0	0	0	0
September 2035 . . .	116	17	8	4	2	0	0	0	0	0	0	0	0	0	0
September 2036 . . .	118	13	6	2	1	0	0	0	0	0	0	0	0	0	0
September 2037 . . .	119	11	4	1	0	0	0	0	0	0	0	0	0	0	0
September 2038 . . .	121	8	3	1	0	0	0	0	0	0	0	0	0	0	0
September 2039 . . .	122	6	2	1	0	0	0	0	0	0	0	0	0	0	0
September 2040 . . .	123	5	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2041 . . .	125	3	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2042 . . .	126	2	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2043 and thereafter . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	21.3	8.8	7.2	6.2	5.4	7.4	6.9	6.4	5.9	5.5	4.6	4.6	4.6	4.5	4.4

**Security Groups 2 and 3
PPC Prepayment Assumption Rates**

Distribution Date	Class QF 0.01000% Compounded SOFR 0.07000% One-Year CMT					Class QF 6.05000% Compounded SOFR 5.07500% One-Year CMT					Class QF 12.09000% Compounded SOFR 10.08000% One-Year CMT				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
Initial Percent. . . .	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
September 2022 . . .	101	99	98	97	96	106	104	103	102	101	110	107	106	105	104
September 2023 . . .	103	95	92	89	86	114	104	101	98	95	121	111	107	104	101
September 2024 . . .	104	88	83	78	74	122	102	96	91	85	134	113	106	100	94
September 2025 . . .	105	81	74	67	60	130	99	90	81	74	144	110	100	91	82
September 2026 . . .	107	74	64	56	48	134	91	80	69	60	49	33	28	24	21
September 2027 . . .	106	65	54	45	37	143	86	72	59	49	52	31	25	21	17
September 2028 . . .	107	57	45	35	28	153	80	63	50	38	56	29	22	18	14
September 2029 . . .	109	50	37	28	20	59	26	19	14	10	59	26	19	14	10
September 2030 . . .	109	43	30	21	14	1	0	0	0	0	0	0	0	0	0
September 2031 . . .	110	36	24	15	10	1	0	0	0	0	0	0	0	0	0
September 2032 . . .	112	30	19	11	6	0	0	0	0	0	0	0	0	0	0
September 2033 . . .	113	25	14	8	4	0	0	0	0	0	0	0	0	0	0
September 2034 . . .	115	21	11	5	3	0	0	0	0	0	0	0	0	0	0
September 2035 . . .	116	17	8	4	2	0	0	0	0	0	0	0	0	0	0
September 2036 . . .	118	13	6	2	1	0	0	0	0	0	0	0	0	0	0
September 2037 . . .	119	10	4	1	0	0	0	0	0	0	0	0	0	0	0
September 2038 . . .	121	8	3	1	0	0	0	0	0	0	0	0	0	0	0
September 2039 . . .	122	6	2	1	0	0	0	0	0	0	0	0	0	0	0
September 2040 . . .	124	5	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2041 . . .	125	3	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2042 . . .	127	2	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2043 . . .	46	1	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2044 . . .	47	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2045 . . .	47	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2046 and thereafter . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	22.3	8.8	7.2	6.2	5.4	7.8	7.1	6.5	6.0	5.5	6.0	5.6	5.4	5.1	4.8

**Security Group 4
PPC Prepayment Assumption Rates**

Distribution Date	Class BF 0.01000% Compounded SOFR 0.07000% One-Year CMT					Class BF 6.05000% Compounded SOFR 5.07500% One-Year CMT					Class BF 12.09000% Compounded SOFR 10.08000% One-Year CMT				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
	Initial Percent. . . .	100	100	100	100	100	100	100	100	100	100	100	100	100	100
September 2022 . . .	101	99	99	98	97	106	104	103	102	102	106	104	103	102	102
September 2023 . . .	103	95	92	90	87	114	105	102	99	96	114	105	102	99	96
September 2024 . . .	104	89	84	79	74	122	103	97	92	86	122	103	97	92	86
September 2025 . . .	106	82	75	68	61	130	100	91	82	75	130	100	91	82	75
September 2026 . . .	107	74	65	57	49	139	95	83	72	63	139	95	83	72	63
September 2027 . . .	109	67	56	46	38	149	90	75	62	51	149	90	75	62	51
September 2028 . . .	110	59	47	37	29	153	81	64	50	39	153	81	64	50	39
September 2029 . . .	112	52	39	29	21	164	74	56	41	30	164	74	56	41	30
September 2030 . . .	114	45	32	22	15	3	1	1	1	0	3	1	1	1	0
September 2031 . . .	115	38	25	16	10	3	1	1	0	0	3	1	1	0	0
September 2032 . . .	117	32	20	12	7	1	0	0	0	0	1	0	0	0	0
September 2033 . . .	114	26	15	8	4	0	0	0	0	0	0	0	0	0	0
September 2034 . . .	116	21	11	5	3	0	0	0	0	0	0	0	0	0	0
September 2035 . . .	117	17	8	4	2	0	0	0	0	0	0	0	0	0	0
September 2036 . . .	119	13	6	2	1	0	0	0	0	0	0	0	0	0	0
September 2037 . . .	121	11	4	1	0	0	0	0	0	0	0	0	0	0	0
September 2038 . . .	123	8	3	1	0	0	0	0	0	0	0	0	0	0	0
September 2039 . . .	124	6	2	1	0	0	0	0	0	0	0	0	0	0	0
September 2040 . . .	126	5	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2041 . . .	128	3	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2042 . . .	129	3	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2043 . . .	131	2	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2044 . . .	131	1	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2045 . . .	133	1	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2046 and thereafter . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	23.7	9.0	7.3	6.3	5.5	8.4	7.6	7.0	6.3	5.8	8.4	7.6	7.0	6.3	5.8

**Security Group 4
PPC Prepayment Assumption Rates**

Distribution Date	Class IB* 0.01000% Compounded SOFR 0.07000% One-Year CMT					Class IB* 6.05000% Compounded SOFR 5.07500% One-Year CMT					Class IB* 12.09000% Compounded SOFR 10.08000% One-Year CMT				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
	Initial Percent. . . .	100	100	100	100	100	100	100	100	100	100	100	100	100	100
September 2022 . . .	102	99	99	98	97	106	104	103	102	102	106	104	103	102	102
September 2023 . . .	103	95	92	90	87	114	105	102	99	96	114	105	102	99	96
September 2024 . . .	105	89	84	79	74	122	103	97	92	86	122	103	97	92	86
September 2025 . . .	107	82	75	68	61	130	100	91	82	75	130	100	91	82	75
September 2026 . . .	109	75	65	57	49	139	95	83	72	63	139	95	83	72	63
September 2027 . . .	111	67	56	46	38	149	90	75	62	51	149	90	75	62	51
September 2028 . . .	113	59	47	37	29	153	81	64	50	39	153	81	64	50	39
September 2029 . . .	115	52	39	29	21	164	74	56	41	30	164	74	56	41	30
September 2030 . . .	117	45	32	22	15	3	1	1	1	0	3	1	1	1	0
September 2031 . . .	119	38	25	16	10	3	1	1	0	0	3	1	1	0	0
September 2032 . . .	121	32	20	12	7	1	0	0	0	0	1	0	0	0	0
September 2033 . . .	118	26	15	8	4	0	0	0	0	0	0	0	0	0	0
September 2034 . . .	120	21	11	5	3	0	0	0	0	0	0	0	0	0	0
September 2035 . . .	122	17	8	4	2	0	0	0	0	0	0	0	0	0	0
September 2036 . . .	124	13	6	2	1	0	0	0	0	0	0	0	0	0	0
September 2037 . . .	127	11	4	1	0	0	0	0	0	0	0	0	0	0	0
September 2038 . . .	129	8	3	1	0	0	0	0	0	0	0	0	0	0	0
September 2039 . . .	131	6	2	1	0	0	0	0	0	0	0	0	0	0	0
September 2040 . . .	133	5	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2041 . . .	135	3	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2042 . . .	137	3	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2043 . . .	139	2	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2044 . . .	140	1	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2045 . . .	142	1	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2046 and thereafter . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	23.7	9.0	7.3	6.3	5.5	8.4	7.6	7.0	6.3	5.8	8.4	7.6	7.0	6.3	5.8

* The decrement tables for Class IB reflect only the Class IB Notional Balance at various rates of PPC and at various levels of Compounded SOFR and One-Year CMT. In addition to the current interest accrual amount on the Class IB Notional Balance at the Class IB Interest Rate, Class IB is entitled to the Class IB Deferred Interest Amount. No representation is made about the timing of distributions of the Class IB Deferred Interest Amount other than that such amount will be paid no later than the final Distribution Date for Class IB.

**Security Groups 2 and 4
PPC Prepayment Assumption Rates**

Distribution Date	Class QI*					Class QI*					Class QI*				
	0.01000% Compounded SOFR					6.05000% Compounded SOFR					12.09000% Compounded SOFR				
	0.07000% One-Year CMT					5.07500% One-Year CMT					10.08000% One-Year CMT				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
Initial Percent. . . .	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
September 2022 . . .	102	99	98	97	97	106	104	103	102	101	106	104	103	102	101
September 2023 . . .	103	95	92	89	86	114	104	101	98	95	114	104	101	98	95
September 2024 . . .	105	89	84	79	74	122	103	97	91	85	122	103	97	91	85
September 2025 . . .	107	82	74	67	61	130	99	90	82	74	130	99	90	82	74
September 2026 . . .	109	74	65	56	48	138	94	82	71	61	138	94	82	71	61
September 2027 . . .	111	66	55	46	38	147	88	74	61	50	147	88	74	61	50
September 2028 . . .	113	59	46	36	28	153	80	63	50	39	153	80	63	50	39
September 2029 . . .	114	51	38	28	21	164	74	55	41	30	164	74	55	41	30
September 2030 . . .	115	44	31	21	15	2	1	1	0	0	2	1	1	0	0
September 2031 . . .	117	37	25	16	10	2	1	1	0	0	2	1	1	0	0
September 2032 . . .	119	31	19	11	7	1	0	0	0	0	1	0	0	0	0
September 2033 . . .	118	25	14	8	4	0	0	0	0	0	0	0	0	0	0
September 2034 . . .	120	21	11	5	3	0	0	0	0	0	0	0	0	0	0
September 2035 . . .	122	17	8	4	2	0	0	0	0	0	0	0	0	0	0
September 2036 . . .	124	13	6	2	1	0	0	0	0	0	0	0	0	0	0
September 2037 . . .	126	10	4	1	0	0	0	0	0	0	0	0	0	0	0
September 2038 . . .	129	8	3	1	0	0	0	0	0	0	0	0	0	0	0
September 2039 . . .	131	6	2	1	0	0	0	0	0	0	0	0	0	0	0
September 2040 . . .	133	5	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2041 . . .	135	3	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2042 . . .	137	2	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2043 . . .	139	2	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2044 . . .	140	1	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2045 . . .	143	1	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2046 and thereafter . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	23.8	8.9	7.3	6.2	5.4	8.4	7.6	6.9	6.3	5.7	8.4	7.6	6.9	6.3	5.7

* The decrement tables for Class QI reflect only the Class QI Notional Balance at various rates of PPC and at various levels of Compounded SOFR and One-Year CMT. In addition to the current interest accrual amount on the Class QI Notional Balance at the Class QI Interest Rate, Class QI is entitled to the Class QI Deferred Interest Amount. No representation is made about the timing of distributions of the Class QI Deferred Interest Amount other than that such amount will be paid no later than the final Distribution Date for Class QI.

**Security Group 5
PPC Prepayment Assumption Rates**

Distribution Date	Class CI* 0.01000% Compounded SOFR 0.07000% One-Year CMT					Class CI* 6.05000% Compounded SOFR 5.07500% One-Year CMT					Class CI* 12.09000% Compounded SOFR 10.08000% One-Year CMT				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
	Initial Percent. . . .	100	100	100	100	100	100	100	100	100	100	100	100	100	100
September 2022 . . .	102	99	98	97	96	107	104	103	102	101	112	109	108	107	106
September 2023 . . .	104	95	92	89	86	114	104	101	98	95	125	115	111	108	104
September 2024 . . .	106	89	83	78	74	122	103	97	91	85	141	119	112	105	98
September 2025 . . .	108	82	74	67	61	131	99	90	82	74	159	121	109	99	89
September 2026 . . .	109	74	65	56	48	140	95	83	72	62	3	2	2	2	1
September 2027 . . .	111	67	55	46	37	150	89	74	61	50	4	2	2	1	1
September 2028 . . .	113	59	47	36	28	160	83	66	51	40	1	1	0	0	0
September 2029 . . .	116	52	39	28	21	3	1	1	1	1	0	0	0	0	0
September 2030 . . .	118	44	31	22	15	1	0	0	0	0	0	0	0	0	0
September 2031 . . .	120	38	25	16	10	1	0	0	0	0	0	0	0	0	0
September 2032 . . .	122	32	19	12	7	0	0	0	0	0	0	0	0	0	0
September 2033 . . .	124	26	15	8	4	0	0	0	0	0	0	0	0	0	0
September 2034 . . .	127	22	11	6	3	0	0	0	0	0	0	0	0	0	0
September 2035 . . .	129	17	8	4	2	0	0	0	0	0	0	0	0	0	0
September 2036 . . .	131	14	6	2	1	0	0	0	0	0	0	0	0	0	0
September 2037 . . .	134	11	4	2	0	0	0	0	0	0	0	0	0	0	0
September 2038 . . .	136	8	3	1	0	0	0	0	0	0	0	0	0	0	0
September 2039 . . .	137	6	2	1	0	0	0	0	0	0	0	0	0	0	0
September 2040 . . .	138	5	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2041 . . .	141	4	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2042 . . .	144	3	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2043 and thereafter . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	21.3	8.9	7.3	6.2	5.4	7.7	7.1	6.6	6.0	5.5	4.8	4.8	4.7	4.6	4.5

* The decrement tables for Class CI reflect only the Class CI Notional Balance at various rates of PPC and at various levels of Compounded SOFR and One-Year CMT. In addition to the current interest accrual amount on the Class CI Notional Balance at the Class CI Interest Rate, Class CI is entitled to the Class CI Deferred Interest Amount. No representation is made about the timing of distributions of the Class CI Deferred Interest Amount other than that such amount will be paid no later than the final Distribution Date for Class CI.

**Security Group 5
PPC Prepayment Assumption Rates**

Distribution Date	Class FC 0.01000% Compounded SOFR 0.07000% One-Year CMT					Class FC 6.05000% Compounded SOFR 5.07500% One-Year CMT					Class FC 12.09000% Compounded SOFR 10.08000% One-Year CMT				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
	Initial Percent. . . .	100	100	100	100	100	100	100	100	100	100	100	100	100	100
September 2022 . . .	102	99	98	97	96	107	104	103	102	101	112	109	108	107	106
September 2023 . . .	103	95	92	89	86	114	104	101	98	95	125	115	111	108	104
September 2024 . . .	105	89	83	78	74	122	103	97	91	85	141	119	112	105	98
September 2025 . . .	106	82	74	67	61	131	99	90	82	74	159	121	109	99	89
September 2026 . . .	108	74	65	56	48	140	95	83	72	62	3	2	2	2	1
September 2027 . . .	109	67	55	46	37	150	89	74	61	50	4	2	2	1	1
September 2028 . . .	111	59	47	36	28	160	83	66	51	40	1	1	0	0	0
September 2029 . . .	113	52	38	28	21	3	1	1	1	1	0	0	0	0	0
September 2030 . . .	115	44	31	22	15	1	0	0	0	0	0	0	0	0	0
September 2031 . . .	116	38	25	16	10	1	0	0	0	0	0	0	0	0	0
September 2032 . . .	118	32	19	12	7	0	0	0	0	0	0	0	0	0	0
September 2033 . . .	120	26	15	8	4	0	0	0	0	0	0	0	0	0	0
September 2034 . . .	122	22	11	6	3	0	0	0	0	0	0	0	0	0	0
September 2035 . . .	124	17	8	4	2	0	0	0	0	0	0	0	0	0	0
September 2036 . . .	125	14	6	2	1	0	0	0	0	0	0	0	0	0	0
September 2037 . . .	127	11	4	2	0	0	0	0	0	0	0	0	0	0	0
September 2038 . . .	129	8	3	1	0	0	0	0	0	0	0	0	0	0	0
September 2039 . . .	130	6	2	1	0	0	0	0	0	0	0	0	0	0	0
September 2040 . . .	131	5	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2041 . . .	133	4	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2042 . . .	135	3	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2043 and thereafter . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	21.3	8.9	7.3	6.2	5.4	7.7	7.1	6.6	6.0	5.5	4.8	4.8	4.7	4.6	4.5

**Security Group 6
PPC Prepayment Assumption Rates**

Distribution Date	Class CF 0.01000% Compounded SOFR 0.07000% One-Year CMT					Class CF 6.05000% Compounded SOFR 5.07500% One-Year CMT					Class CF 12.09000% Compounded SOFR 10.08000% One-Year CMT				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
	Initial Percent. . . .	100	100	100	100	100	100	100	100	100	100	100	100	100	100
September 2022 . . .	101	99	99	98	97	106	104	103	102	102	107	104	103	103	102
September 2023 . . .	103	95	92	90	87	114	105	102	99	96	114	105	102	99	96
September 2024 . . .	104	89	84	79	74	122	103	97	92	86	122	103	97	92	86
September 2025 . . .	106	82	75	68	61	130	100	91	82	75	131	100	91	83	75
September 2026 . . .	107	74	65	57	49	139	95	83	72	63	140	96	84	73	63
September 2027 . . .	109	67	56	46	38	149	90	75	62	51	149	90	75	62	51
September 2028 . . .	110	59	47	37	29	159	83	66	52	41	160	84	67	52	41
September 2029 . . .	112	52	39	29	21	1	0	0	0	0	1	0	0	0	0
September 2030 . . .	114	45	32	22	15	1	0	0	0	0	1	0	0	0	0
September 2031 . . .	115	38	25	16	10	1	0	0	0	0	1	0	0	0	0
September 2032 . . .	117	32	20	12	7	1	0	0	0	0	1	0	0	0	0
September 2033 . . .	118	27	15	8	4	1	0	0	0	0	1	0	0	0	0
September 2034 . . .	120	22	11	6	3	0	0	0	0	0	0	0	0	0	0
September 2035 . . .	122	18	8	4	2	0	0	0	0	0	0	0	0	0	0
September 2036 . . .	123	14	6	2	1	0	0	0	0	0	0	0	0	0	0
September 2037 . . .	125	11	4	2	1	0	0	0	0	0	0	0	0	0	0
September 2038 . . .	127	8	3	1	0	0	0	0	0	0	0	0	0	0	0
September 2039 . . .	129	6	2	1	0	0	0	0	0	0	0	0	0	0	0
September 2040 . . .	131	5	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2041 . . .	132	4	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2042 . . .	134	3	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2043 . . .	135	2	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2044 and thereafter . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	22.6	9.0	7.4	6.3	5.5	7.9	7.3	6.7	6.2	5.7	7.8	7.3	6.7	6.1	5.6

**Security Group 6
PPC Prepayment Assumption Rates**

Distribution Date	Class IC* 0.01000% Compounded SOFR 0.07000% One-Year CMT					Class IC* 6.05000% Compounded SOFR 5.07500% One-Year CMT					Class IC* 12.09000% Compounded SOFR 10.08000% One-Year CMT				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
	Initial Percent. . . .	100	100	100	100	100	100	100	100	100	100	100	100	100	100
September 2022 . . .	102	99	99	98	97	106	104	103	102	102	107	104	103	103	102
September 2023 . . .	103	95	92	90	87	114	105	102	99	96	114	105	102	99	96
September 2024 . . .	105	89	84	79	74	122	103	97	92	86	122	103	97	92	86
September 2025 . . .	107	82	75	68	61	130	100	91	82	75	131	100	91	83	75
September 2026 . . .	109	74	65	57	49	139	95	83	72	63	140	96	84	73	63
September 2027 . . .	111	67	56	46	38	149	90	75	62	51	149	90	75	62	51
September 2028 . . .	113	59	47	37	29	159	84	66	52	41	160	84	67	52	41
September 2029 . . .	115	52	39	29	21	1	0	0	0	0	1	0	0	0	0
September 2030 . . .	116	45	32	22	15	1	0	0	0	0	1	0	0	0	0
September 2031 . . .	118	38	25	16	10	1	0	0	0	0	1	0	0	0	0
September 2032 . . .	120	32	20	12	7	1	0	0	0	0	1	0	0	0	0
September 2033 . . .	122	27	15	8	4	1	0	0	0	0	1	0	0	0	0
September 2034 . . .	125	22	11	6	3	0	0	0	0	0	0	0	0	0	0
September 2035 . . .	127	18	8	4	2	0	0	0	0	0	0	0	0	0	0
September 2036 . . .	129	14	6	2	1	0	0	0	0	0	0	0	0	0	0
September 2037 . . .	131	11	4	2	1	0	0	0	0	0	0	0	0	0	0
September 2038 . . .	133	8	3	1	0	0	0	0	0	0	0	0	0	0	0
September 2039 . . .	136	6	2	1	0	0	0	0	0	0	0	0	0	0	0
September 2040 . . .	138	5	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2041 . . .	140	4	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2042 . . .	142	3	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2043 . . .	144	2	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2044 and thereafter . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	22.6	9.0	7.4	6.3	5.5	7.9	7.3	6.7	6.2	5.7	7.8	7.3	6.7	6.1	5.6

* The decrement tables for Class IC reflect only the Class IC Notional Balance at various rates of PPC and at various levels of Compounded SOFR and One-Year CMT. In addition to the current interest accrual amount on the Class IC Notional Balance at the Class IC Interest Rate, Class IC is entitled to the Class IC Deferred Interest Amount. No representation is made about the timing of distributions of the Class IC Deferred Interest Amount other than that such amount will be paid no later than the final Distribution Date for Class IC.

**Security Group 7
PPC Prepayment Assumption Rates**

Distribution Date	Class DI* 0.01000% Compounded SOFR 0.07000% One-Year CMT					Class DI* 6.05000% Compounded SOFR 5.07500% One-Year CMT					Class DI* 12.09000% Compounded SOFR 10.08000% One-Year CMT				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
	Initial Percent. . . .	100	100	100	100	100	100	100	100	100	100	100	100	100	100
September 2022 . . .	102	99	98	98	97	106	104	103	102	101	106	104	103	102	101
September 2023 . . .	103	95	92	89	87	113	104	101	98	95	113	104	101	98	95
September 2024 . . .	105	89	84	79	74	121	102	97	91	86	121	102	97	91	86
September 2025 . . .	106	81	74	67	61	129	99	90	82	74	129	99	90	82	74
September 2026 . . .	108	74	65	56	49	138	94	82	72	62	138	94	82	72	62
September 2027 . . .	109	66	55	46	38	140	85	71	59	48	140	85	71	59	48
September 2028 . . .	111	58	46	36	28	150	79	62	49	38	150	79	62	49	38
September 2029 . . .	113	51	38	28	21	160	72	54	40	29	160	72	54	40	29
September 2030 . . .	115	44	31	22	15	1	0	0	0	0	1	0	0	0	0
September 2031 . . .	116	37	25	16	10	1	0	0	0	0	1	0	0	0	0
September 2032 . . .	118	31	19	12	7	1	0	0	0	0	1	0	0	0	0
September 2033 . . .	120	26	15	8	4	1	0	0	0	0	1	0	0	0	0
September 2034 . . .	122	21	11	6	3	1	0	0	0	0	1	0	0	0	0
September 2035 . . .	118	16	8	4	2	1	0	0	0	0	1	0	0	0	0
September 2036 . . .	120	13	6	2	1	1	0	0	0	0	1	0	0	0	0
September 2037 . . .	121	10	4	1	0	0	0	0	0	0	0	0	0	0	0
September 2038 . . .	123	8	3	1	0	0	0	0	0	0	0	0	0	0	0
September 2039 . . .	125	6	2	1	0	0	0	0	0	0	0	0	0	0	0
September 2040 . . .	127	4	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2041 . . .	129	3	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2042 . . .	131	2	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2043 . . .	133	2	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2044 . . .	135	1	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2045 . . .	137	1	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2046 . . .	139	1	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2047 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2048 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2049 and thereafter . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	24.9	8.9	7.3	6.2	5.5	8.3	7.5	6.9	6.3	5.7	8.3	7.5	6.9	6.3	5.7

* The decrement tables for Class DI reflect only the Class DI Notional Balance at various rates of PPC and at various levels of Compounded SOFR and One-Year CMT. In addition to the current interest accrual amount on the Class DI Notional Balance at the Class DI Interest Rate, Class DI is entitled to the Class DI Deferred Interest Amount. No representation is made about the timing of distributions of the Class DI Deferred Interest Amount other than that such amount will be paid no later than the final Distribution Date for Class DI.

**Security Group 7
PPC Prepayment Assumption Rates**

Distribution Date	Class FD 0.01000% Compounded SOFR 0.07000% One-Year CMT					Class FD 6.05000% Compounded SOFR 5.07500% One-Year CMT					Class FD 12.09000% Compounded SOFR 10.08000% One-Year CMT				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
Initial Percent. . . .	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
September 2022 . . .	101	99	98	98	97	106	104	103	102	101	106	104	103	102	101
September 2023 . . .	102	95	92	89	87	113	104	101	98	95	113	104	101	98	95
September 2024 . . .	104	89	84	79	74	121	102	97	91	86	121	102	97	91	86
September 2025 . . .	105	81	74	67	61	129	99	90	82	74	129	99	90	82	74
September 2026 . . .	106	74	64	56	49	138	94	82	72	62	138	94	82	72	62
September 2027 . . .	108	66	55	46	38	140	85	71	59	48	140	85	71	59	48
September 2028 . . .	109	58	46	36	28	150	79	62	49	38	150	79	62	49	38
September 2029 . . .	110	51	38	28	21	160	72	54	40	29	160	72	54	40	29
September 2030 . . .	112	44	31	22	15	1	0	0	0	0	1	0	0	0	0
September 2031 . . .	113	37	25	16	10	1	0	0	0	0	1	0	0	0	0
September 2032 . . .	114	31	19	12	7	1	0	0	0	0	1	0	0	0	0
September 2033 . . .	116	26	15	8	4	1	0	0	0	0	1	0	0	0	0
September 2034 . . .	117	21	11	6	3	1	0	0	0	0	1	0	0	0	0
September 2035 . . .	113	16	8	4	2	1	0	0	0	0	1	0	0	0	0
September 2036 . . .	114	13	6	2	1	1	0	0	0	0	1	0	0	0	0
September 2037 . . .	116	10	4	1	0	0	0	0	0	0	0	0	0	0	0
September 2038 . . .	117	8	3	1	0	0	0	0	0	0	0	0	0	0	0
September 2039 . . .	119	6	2	1	0	0	0	0	0	0	0	0	0	0	0
September 2040 . . .	120	4	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2041 . . .	122	3	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2042 . . .	123	2	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2043 . . .	125	2	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2044 . . .	126	1	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2045 . . .	128	1	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2046 . . .	129	1	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2047 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2048 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2049 and thereafter . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	24.8	8.9	7.3	6.2	5.5	8.3	7.5	6.9	6.3	5.7	8.3	7.5	6.9	6.3	5.7

**Security Group 8
PPC Prepayment Assumption Rates**

Distribution Date	Class DF 0.01000% Compounded SOFR 0.07000% One-Year CMT					Class DF 6.05000% Compounded SOFR 5.07500% One-Year CMT					Class DF 12.09000% Compounded SOFR 10.08000% One-Year CMT				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
	Initial Percent. . . .	100	100	100	100	100	100	100	100	100	100	100	100	100	100
September 2022 . . .	102	99	98	97	96	107	103	102	101	100	112	108	107	106	105
September 2023 . . .	103	94	91	88	85	114	104	100	97	94	125	114	110	107	103
September 2024 . . .	105	88	83	77	72	122	102	96	90	84	141	118	110	103	97
September 2025 . . .	106	81	73	66	59	131	98	89	80	72	159	120	108	98	88
September 2026 . . .	108	73	64	55	47	140	94	81	70	60	0	0	0	0	0
September 2027 . . .	109	66	55	45	37	150	88	73	60	49	0	0	0	0	0
September 2028 . . .	111	58	46	36	28	160	82	65	50	39	0	0	0	0	0
September 2029 . . .	113	51	38	28	20	0	0	0	0	0	0	0	0	0	0
September 2030 . . .	115	44	31	21	14	0	0	0	0	0	0	0	0	0	0
September 2031 . . .	116	37	24	16	10	0	0	0	0	0	0	0	0	0	0
September 2032 . . .	118	31	19	11	6	0	0	0	0	0	0	0	0	0	0
September 2033 . . .	120	26	15	8	4	0	0	0	0	0	0	0	0	0	0
September 2034 . . .	122	21	11	5	3	0	0	0	0	0	0	0	0	0	0
September 2035 . . .	124	17	8	4	2	0	0	0	0	0	0	0	0	0	0
September 2036 . . .	125	14	6	2	1	0	0	0	0	0	0	0	0	0	0
September 2037 . . .	127	11	4	1	0	0	0	0	0	0	0	0	0	0	0
September 2038 . . .	129	8	3	1	0	0	0	0	0	0	0	0	0	0	0
September 2039 . . .	131	6	2	1	0	0	0	0	0	0	0	0	0	0	0
September 2040 . . .	133	5	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2041 . . .	135	3	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2042 . . .	137	3	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2043 and thereafter . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	21.3	8.9	7.2	6.1	5.4	7.5	7.0	6.4	5.9	5.4	4.6	4.6	4.5	4.4	4.3

**Security Group 8
PPC Prepayment Assumption Rates**

Distribution Date	Class ID* 0.01000% Compounded SOFR 0.07000% One-Year CMT					Class ID* *6.05000% Compounded SOFR 5.07500% One-Year CMT					Class ID* 12.09000% Compounded SOFR 10.08000% One-Year CMT				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
	Initial Percent. . . .	100	100	100	100	100	100	100	100	100	100	100	100	100	100
September 2022 . . .	102	99	98	97	96	107	103	102	101	100	112	108	107	106	105
September 2023 . . .	104	94	91	88	85	114	104	100	97	94	125	114	110	107	103
September 2024 . . .	106	88	83	77	72	122	102	96	90	84	141	118	110	103	97
September 2025 . . .	108	81	73	66	59	131	98	89	80	72	159	120	108	98	88
September 2026 . . .	109	73	64	55	47	140	94	81	70	60	0	0	0	0	0
September 2027 . . .	111	66	55	45	37	150	88	73	60	49	0	0	0	0	0
September 2028 . . .	114	58	46	36	28	160	82	65	50	39	0	0	0	0	0
September 2029 . . .	116	51	38	28	20	0	0	0	0	0	0	0	0	0	0
September 2030 . . .	118	44	31	21	14	0	0	0	0	0	0	0	0	0	0
September 2031 . . .	120	37	24	16	10	0	0	0	0	0	0	0	0	0	0
September 2032 . . .	122	31	19	11	6	0	0	0	0	0	0	0	0	0	0
September 2033 . . .	124	26	15	8	4	0	0	0	0	0	0	0	0	0	0
September 2034 . . .	127	21	11	5	3	0	0	0	0	0	0	0	0	0	0
September 2035 . . .	129	17	8	4	2	0	0	0	0	0	0	0	0	0	0
September 2036 . . .	131	14	6	2	1	0	0	0	0	0	0	0	0	0	0
September 2037 . . .	133	11	4	1	0	0	0	0	0	0	0	0	0	0	0
September 2038 . . .	136	8	3	1	0	0	0	0	0	0	0	0	0	0	0
September 2039 . . .	138	6	2	1	0	0	0	0	0	0	0	0	0	0	0
September 2040 . . .	141	5	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2041 . . .	143	3	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2042 . . .	146	3	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2043 and thereafter . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	21.3	8.9	7.2	6.1	5.4	7.5	7.0	6.4	5.9	5.4	4.6	4.6	4.5	4.4	4.3

* The decrement tables for Class ID reflect only the Class ID Notional Balance at various rates of PPC and at various levels of Compounded SOFR and One-Year CMT. In addition to the current interest accrual amount on the Class ID Notional Balance at the Class ID Interest Rate, Class ID is entitled to the Class ID Deferred Interest Amount. No representation is made about the timing of distributions of the Class ID Deferred Interest Amount other than that such amount will be paid no later than the final Distribution Date for Class ID.

**Security Group 9
PPC Prepayment Assumption Rates**

Distribution Date	Class EI* 0.01000% Compounded SOFR 0.07000% One-Year CMT					Class EI* *6.05000% Compounded SOFR 5.07500% One-Year CMT					Class EI* 12.09000% Compounded SOFR 10.08000% One-Year CMT				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
Initial Percent. . . .	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
September 2022 . . .	102	99	98	97	96	107	103	102	101	100	112	108	107	106	105
September 2023 . . .	104	94	91	88	85	114	104	100	97	94	126	114	110	107	103
September 2024 . . .	106	88	83	78	73	122	102	96	90	84	141	118	111	104	97
September 2025 . . .	108	81	73	66	60	131	99	89	81	72	159	120	108	98	88
September 2026 . . .	110	74	64	55	47	140	94	82	71	61	0	0	0	0	0
September 2027 . . .	112	66	55	45	37	150	89	73	60	49	0	0	0	0	0
September 2028 . . .	114	58	46	36	28	161	82	65	51	39	0	0	0	0	0
September 2029 . . .	116	51	38	28	20	0	0	0	0	0	0	0	0	0	0
September 2030 . . .	118	44	31	21	14	0	0	0	0	0	0	0	0	0	0
September 2031 . . .	120	38	24	16	10	0	0	0	0	0	0	0	0	0	0
September 2032 . . .	123	32	19	11	6	0	0	0	0	0	0	0	0	0	0
September 2033 . . .	125	26	15	8	4	0	0	0	0	0	0	0	0	0	0
September 2034 . . .	127	21	11	5	3	0	0	0	0	0	0	0	0	0	0
September 2035 . . .	130	17	8	4	2	0	0	0	0	0	0	0	0	0	0
September 2036 . . .	132	14	6	2	1	0	0	0	0	0	0	0	0	0	0
September 2037 . . .	135	11	4	1	0	0	0	0	0	0	0	0	0	0	0
September 2038 . . .	137	8	3	1	0	0	0	0	0	0	0	0	0	0	0
September 2039 . . .	140	6	2	1	0	0	0	0	0	0	0	0	0	0	0
September 2040 . . .	142	5	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2041 and thereafter . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	19.8	8.8	7.2	6.1	5.4	7.1	6.6	6.2	5.7	5.3	4.4	4.4	4.4	4.3	4.2

* The decrement tables for Class EI reflect only the Class EI Notional Balance at various rates of PPC and at various levels of Compounded SOFR and One-Year CMT. In addition to the current interest accrual amount on the Class EI Notional Balance at the Class EI Interest Rate, Class EI is entitled to the Class EI Deferred Interest Amount. No representation is made about the timing of distributions of the Class EI Deferred Interest Amount other than that such amount will be paid no later than the final Distribution Date for Class EI.

**Security Group 9
PPC Prepayment Assumption Rates**

Distribution Date	Class FE 0.01000% Compounded SOFR 0.07000% One-Year CMT					Class FE 6.05000% Compounded SOFR 5.07500% One-Year CMT					Class FE 12.09000% Compounded SOFR 10.08000% One-Year CMT				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
Initial Percent. . . .	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
September 2022 . . .	102	99	98	97	96	107	103	102	101	100	112	108	107	106	105
September 2023 . . .	103	94	91	88	85	114	104	100	97	94	126	114	110	107	103
September 2024 . . .	105	88	83	78	73	122	102	96	90	84	141	118	111	104	97
September 2025 . . .	106	81	73	66	60	131	99	89	81	72	159	120	108	98	88
September 2026 . . .	108	74	64	55	47	140	94	82	71	61	0	0	0	0	0
September 2027 . . .	109	66	55	45	37	150	89	73	60	49	0	0	0	0	0
September 2028 . . .	111	58	46	36	28	161	82	65	51	39	0	0	0	0	0
September 2029 . . .	113	51	38	28	20	0	0	0	0	0	0	0	0	0	0
September 2030 . . .	115	44	31	21	14	0	0	0	0	0	0	0	0	0	0
September 2031 . . .	116	38	24	16	10	0	0	0	0	0	0	0	0	0	0
September 2032 . . .	118	32	19	11	6	0	0	0	0	0	0	0	0	0	0
September 2033 . . .	120	26	15	8	4	0	0	0	0	0	0	0	0	0	0
September 2034 . . .	122	21	11	5	3	0	0	0	0	0	0	0	0	0	0
September 2035 . . .	124	17	8	4	2	0	0	0	0	0	0	0	0	0	0
September 2036 . . .	125	14	6	2	1	0	0	0	0	0	0	0	0	0	0
September 2037 . . .	127	11	4	1	0	0	0	0	0	0	0	0	0	0	0
September 2038 . . .	129	8	3	1	0	0	0	0	0	0	0	0	0	0	0
September 2039 . . .	131	6	2	1	0	0	0	0	0	0	0	0	0	0	0
September 2040 . . .	133	5	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2041 and thereafter . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	19.8	8.8	7.2	6.1	5.4	7.1	6.6	6.2	5.7	5.3	4.4	4.4	4.4	4.3	4.2

**Security Groups 2, 3, 4, 5 and 9
PPC Prepayment Assumption Rates**

Distribution Date	Class IO*					Class IO*					Class IO*				
	0.01000% Compounded SOFR					6.05000% Compounded SOFR					12.09000% Compounded SOFR				
	0.07000% One-Year CMT					5.07500% One-Year CMT					10.08000% One-Year CMT				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
Initial Percent. . . .	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
September 2022 . . .	102	99	98	97	96	107	104	103	102	101	110	107	106	105	104
September 2023 . . .	104	95	92	89	86	114	104	101	98	95	122	111	108	104	101
September 2024 . . .	105	89	83	78	74	122	102	96	91	85	135	113	106	100	94
September 2025 . . .	107	82	74	67	61	130	99	90	82	74	148	113	102	92	83
September 2026 . . .	109	74	64	56	48	138	94	82	71	61	47	32	28	24	21
September 2027 . . .	110	66	55	45	37	148	88	74	61	50	51	30	25	21	17
September 2028 . . .	112	58	46	36	28	157	81	64	50	39	52	27	22	17	13
September 2029 . . .	114	51	38	28	20	56	25	19	14	10	55	25	19	14	10
September 2030 . . .	116	44	31	21	14	1	0	0	0	0	1	0	0	0	0
September 2031 . . .	118	37	25	16	10	1	0	0	0	0	1	0	0	0	0
September 2032 . . .	120	31	19	11	7	0	0	0	0	0	0	0	0	0	0
September 2033 . . .	121	26	15	8	4	0	0	0	0	0	0	0	0	0	0
September 2034 . . .	123	21	11	5	3	0	0	0	0	0	0	0	0	0	0
September 2035 . . .	126	17	8	4	2	0	0	0	0	0	0	0	0	0	0
September 2036 . . .	128	14	6	2	1	0	0	0	0	0	0	0	0	0	0
September 2037 . . .	130	11	4	1	0	0	0	0	0	0	0	0	0	0	0
September 2038 . . .	132	8	3	1	0	0	0	0	0	0	0	0	0	0	0
September 2039 . . .	134	6	2	1	0	0	0	0	0	0	0	0	0	0	0
September 2040 . . .	136	5	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2041 . . .	103	3	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2042 . . .	104	2	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2043 . . .	47	1	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2044 . . .	47	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2045 . . .	48	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2046 and thereafter . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	21.8	8.9	7.3	6.2	5.4	7.8	7.1	6.6	6.0	5.5	5.9	5.5	5.3	5.1	4.8

* The decrement tables for Class IO reflect only the Class IO Notional Balance at various rates of PPC and at various levels of Compounded SOFR and One-Year CMT. In addition to the current interest accrual amount on the Class IO Notional Balance at the Class IO Interest Rate, Class IO is entitled to the Class IO Deferred Interest Amount. No representation is made about the timing of distributions of the Class IO Deferred Interest Amount other than that such amount will be paid no later than the final Distribution Date for Class IO.

**Security Groups 3, 5 and 9
PPC Prepayment Assumption Rates**

Distribution Date	Class IQ* 0.01000% Compounded SOFR 0.07000% One-Year CMT					Class IQ* 6.05000% Compounded SOFR 5.07500% One-Year CMT					Class IQ* 12.09000% Compounded SOFR 10.08000% One-Year CMT				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
	Initial Percent. . . .	100	100	100	100	100	100	100	100	100	100	100	100	100	100
September 2022 . . .	102	99	98	97	96	107	104	103	102	101	112	109	108	107	106
September 2023 . . .	104	95	92	89	86	114	104	101	98	95	125	115	111	107	104
September 2024 . . .	106	89	83	78	73	122	102	96	91	85	141	118	111	105	98
September 2025 . . .	107	82	74	67	60	131	99	90	81	73	157	119	108	98	88
September 2026 . . .	109	74	64	56	48	138	94	82	71	61	1	1	1	1	1
September 2027 . . .	110	66	55	45	37	148	88	73	61	50	2	1	1	1	1
September 2028 . . .	112	58	46	36	28	159	82	65	51	39	1	0	0	0	0
September 2029 . . .	114	51	38	28	20	1	1	0	0	0	0	0	0	0	0
September 2030 . . .	116	44	31	21	14	1	0	0	0	0	0	0	0	0	0
September 2031 . . .	118	37	25	16	10	1	0	0	0	0	0	0	0	0	0
September 2032 . . .	121	31	19	11	7	0	0	0	0	0	0	0	0	0	0
September 2033 . . .	123	26	15	8	4	0	0	0	0	0	0	0	0	0	0
September 2034 . . .	125	21	11	5	3	0	0	0	0	0	0	0	0	0	0
September 2035 . . .	127	17	8	4	2	0	0	0	0	0	0	0	0	0	0
September 2036 . . .	130	14	6	2	1	0	0	0	0	0	0	0	0	0	0
September 2037 . . .	132	11	4	1	0	0	0	0	0	0	0	0	0	0	0
September 2038 . . .	134	8	3	1	0	0	0	0	0	0	0	0	0	0	0
September 2039 . . .	136	6	2	1	0	0	0	0	0	0	0	0	0	0	0
September 2040 . . .	138	5	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2041 . . .	86	2	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2042 . . .	88	2	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2043 and thereafter . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	20.7	8.9	7.3	6.2	5.4	7.4	6.9	6.4	5.9	5.4	4.6	4.6	4.6	4.5	4.3

* The decrement tables for Class IQ reflect only the Class IQ Notional Balance at various rates of PPC and at various levels of Compounded SOFR and One-Year CMT. In addition to the current interest accrual amount on the Class IQ Notional Balance at the Class IQ Interest Rate, Class IQ is entitled to the Class IQ Deferred Interest Amount. No representation is made about the timing of distributions of the Class IQ Deferred Interest Amount other than that such amount will be paid no later than the final Distribution Date for Class IQ.

**Security Groups 8 and 9
PPC Prepayment Assumption Rates**

Distribution Date	Class FQ 0.01000% Compounded SOFR 0.07000% One-Year CMT					Class FQ 6.05000% Compounded SOFR 5.07500% One-Year CMT					Class FQ 12.09000% Compounded SOFR 10.08000% One-Year CMT				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
	Initial Percent. . . .	100	100	100	100	100	100	100	100	100	100	100	100	100	100
September 2022 . . .	102	99	98	97	96	107	103	102	101	100	112	108	107	106	105
September 2023 . . .	103	94	91	88	85	114	104	100	97	94	126	114	110	107	103
September 2024 . . .	105	88	83	77	72	122	102	96	90	84	141	118	111	104	97
September 2025 . . .	106	81	73	66	60	131	99	89	80	72	159	120	108	98	88
September 2026 . . .	108	74	64	55	47	140	94	82	70	61	0	0	0	0	0
September 2027 . . .	109	66	55	45	37	150	89	73	60	49	0	0	0	0	0
September 2028 . . .	111	58	46	36	28	161	82	65	51	39	0	0	0	0	0
September 2029 . . .	113	51	38	28	20	0	0	0	0	0	0	0	0	0	0
September 2030 . . .	115	44	31	21	14	0	0	0	0	0	0	0	0	0	0
September 2031 . . .	116	37	24	16	10	0	0	0	0	0	0	0	0	0	0
September 2032 . . .	118	31	19	11	6	0	0	0	0	0	0	0	0	0	0
September 2033 . . .	120	26	15	8	4	0	0	0	0	0	0	0	0	0	0
September 2034 . . .	122	21	11	5	3	0	0	0	0	0	0	0	0	0	0
September 2035 . . .	124	17	8	4	2	0	0	0	0	0	0	0	0	0	0
September 2036 . . .	125	14	6	2	1	0	0	0	0	0	0	0	0	0	0
September 2037 . . .	127	11	4	1	0	0	0	0	0	0	0	0	0	0	0
September 2038 . . .	129	8	3	1	0	0	0	0	0	0	0	0	0	0	0
September 2039 . . .	131	6	2	1	0	0	0	0	0	0	0	0	0	0	0
September 2040 . . .	133	5	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2041 . . .	48	1	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2042 . . .	48	1	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2043 and thereafter . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	20.3	8.9	7.2	6.1	5.4	7.2	6.8	6.3	5.8	5.3	4.5	4.5	4.4	4.3	4.2

**Security Group 10
PPC Prepayment Assumption Rates**

Distribution Date	Class EF 0.01000% Compounded SOFR 0.07000% One-Year CMT					Class EF 6.05000% Compounded SOFR 5.07500% One-Year CMT					Class EF 12.09000% Compounded SOFR 10.08000% One-Year CMT				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
	Initial Percent. . . .	100	100	100	100	100	100	100	100	100	100	100	100	100	100
September 2022 . . .	101	99	99	98	97	106	104	103	102	102	106	104	103	102	102
September 2023 . . .	103	95	92	90	87	114	104	101	99	96	114	104	101	99	96
September 2024 . . .	104	89	84	79	74	121	103	97	91	86	121	103	97	91	86
September 2025 . . .	105	81	74	67	61	129	99	90	82	74	129	99	90	82	74
September 2026 . . .	106	74	64	56	49	137	94	82	72	62	137	94	82	72	62
September 2027 . . .	107	66	55	46	38	147	89	74	61	51	147	89	74	61	51
September 2028 . . .	109	58	46	36	28	157	82	65	51	40	157	82	65	51	40
September 2029 . . .	110	51	38	28	21	166	75	56	42	31	166	75	56	42	31
September 2030 . . .	112	44	31	22	15	0	0	0	0	0	0	0	0	0	0
September 2031 . . .	113	37	25	16	10	0	0	0	0	0	0	0	0	0	0
September 2032 . . .	115	31	19	12	7	0	0	0	0	0	0	0	0	0	0
September 2033 . . .	116	26	15	8	4	0	0	0	0	0	0	0	0	0	0
September 2034 . . .	118	21	11	6	3	0	0	0	0	0	0	0	0	0	0
September 2035 . . .	119	17	8	4	2	0	0	0	0	0	0	0	0	0	0
September 2036 . . .	121	14	6	2	1	0	0	0	0	0	0	0	0	0	0
September 2037 . . .	122	11	4	2	0	0	0	0	0	0	0	0	0	0	0
September 2038 . . .	123	8	3	1	0	0	0	0	0	0	0	0	0	0	0
September 2039 . . .	125	6	2	1	0	0	0	0	0	0	0	0	0	0	0
September 2040 . . .	126	5	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2041 . . .	127	3	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2042 . . .	129	3	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2043 . . .	130	2	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2044 . . .	132	1	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2045 . . .	64	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2046 and thereafter . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	24.0	8.9	7.3	6.2	5.5	8.2	7.5	6.8	6.3	5.7	8.2	7.5	6.8	6.3	5.7

**Security Group 10
PPC Prepayment Assumption Rates**

Distribution Date	Class IE* 0.01000% Compounded SOFR 0.07000% One-Year CMT					Class IE* 6.05000% Compounded SOFR 5.07500% One-Year CMT					Class IE* 12.09000% Compounded SOFR 10.08000% One-Year CMT				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
	Initial Percent. . . .	100	100	100	100	100	100	100	100	100	100	100	100	100	100
September 2022 . . .	102	99	99	98	97	106	104	103	102	102	106	104	103	102	102
September 2023 . . .	103	95	92	90	87	114	104	101	99	96	114	104	101	99	96
September 2024 . . .	105	89	84	79	74	121	103	97	91	86	121	103	97	91	86
September 2025 . . .	106	81	74	67	61	129	99	90	82	74	129	99	90	82	74
September 2026 . . .	108	74	64	56	49	137	94	82	72	62	137	94	82	72	62
September 2027 . . .	109	66	55	46	38	147	89	74	61	51	147	89	74	61	51
September 2028 . . .	111	58	46	36	28	157	82	65	51	40	157	82	65	51	40
September 2029 . . .	113	51	38	28	21	166	75	56	42	31	166	75	56	42	31
September 2030 . . .	115	44	31	22	15	0	0	0	0	0	0	0	0	0	0
September 2031 . . .	116	37	25	16	10	0	0	0	0	0	0	0	0	0	0
September 2032 . . .	118	31	19	12	7	0	0	0	0	0	0	0	0	0	0
September 2033 . . .	120	26	15	8	4	0	0	0	0	0	0	0	0	0	0
September 2034 . . .	122	21	11	6	3	0	0	0	0	0	0	0	0	0	0
September 2035 . . .	124	17	8	4	2	0	0	0	0	0	0	0	0	0	0
September 2036 . . .	126	14	6	2	1	0	0	0	0	0	0	0	0	0	0
September 2037 . . .	128	11	4	2	0	0	0	0	0	0	0	0	0	0	0
September 2038 . . .	129	8	3	1	0	0	0	0	0	0	0	0	0	0	0
September 2039 . . .	131	6	2	1	0	0	0	0	0	0	0	0	0	0	0
September 2040 . . .	133	5	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2041 . . .	134	3	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2042 . . .	137	3	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2043 . . .	139	2	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2044 . . .	141	1	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2045 . . .	69	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2046 and thereafter . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	24.0	8.9	7.3	6.2	5.5	8.2	7.5	6.8	6.3	5.7	8.2	7.5	6.8	6.3	5.7

* The decrement tables for Class IE reflect only the Class IE Notional Balance at various rates of PPC and at various levels of Compounded SOFR and One-Year CMT. In addition to the current interest accrual amount on the Class IE Notional Balance at the Class IE Interest Rate, Class IE is entitled to the Class IE Deferred Interest Amount. No representation is made about the timing of distributions of the Class IE Deferred Interest Amount other than that such amount will be paid no later than the final Distribution Date for Class IE.

**Security Groups 6 and 10
PPC Prepayment Assumption Rates**

Distribution Date	Class IY* 0.01000% Compounded SOFR 0.07000% One-Year CMT					Class IY* 6.05000% Compounded SOFR 5.07500% One-Year CMT					Class IY* 12.09000% Compounded SOFR 10.08000% One-Year CMT				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
	Initial Percent. . . .	100	100	100	100	100	100	100	100	100	100	100	100	100	100
September 2022 . . .	102	99	99	98	97	106	104	103	102	102	106	104	103	102	102
September 2023 . . .	103	95	92	90	87	114	105	102	99	96	114	105	102	99	96
September 2024 . . .	105	89	84	79	74	121	103	97	91	86	122	103	97	92	86
September 2025 . . .	106	82	74	67	61	129	99	90	82	74	130	99	90	82	74
September 2026 . . .	108	74	65	56	49	138	95	83	72	62	138	95	83	72	62
September 2027 . . .	110	66	55	46	38	148	89	74	62	51	148	89	75	62	51
September 2028 . . .	112	59	47	37	29	158	83	66	52	40	158	83	66	52	40
September 2029 . . .	114	51	39	29	21	96	43	32	24	18	96	43	32	24	18
September 2030 . . .	115	44	31	22	15	1	0	0	0	0	1	0	0	0	0
September 2031 . . .	117	38	25	16	10	1	0	0	0	0	1	0	0	0	0
September 2032 . . .	119	32	19	12	7	1	0	0	0	0	1	0	0	0	0
September 2033 . . .	121	26	15	8	4	1	0	0	0	0	1	0	0	0	0
September 2034 . . .	123	21	11	6	3	0	0	0	0	0	0	0	0	0	0
September 2035 . . .	125	17	8	4	2	0	0	0	0	0	0	0	0	0	0
September 2036 . . .	127	14	6	2	1	0	0	0	0	0	0	0	0	0	0
September 2037 . . .	129	11	4	2	1	0	0	0	0	0	0	0	0	0	0
September 2038 . . .	131	8	3	1	0	0	0	0	0	0	0	0	0	0	0
September 2039 . . .	133	6	2	1	0	0	0	0	0	0	0	0	0	0	0
September 2040 . . .	135	5	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2041 . . .	137	3	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2042 . . .	139	3	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2043 . . .	141	2	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2044 . . .	81	1	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2045 . . .	39	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2046 and thereafter . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	23.4	9.0	7.3	6.2	5.5	8.1	7.4	6.8	6.2	5.7	8.1	7.4	6.8	6.2	5.7

* The decrement tables for Class IY reflect only the Class IY Notional Balance at various rates of PPC and at various levels of Compounded SOFR and One-Year CMT. In addition to the current interest accrual amount on the Class IY Notional Balance at the Class IY Interest Rate, Class IY is entitled to the Class IY Deferred Interest Amount. No representation is made about the timing of distributions of the Class IY Deferred Interest Amount other than that such amount will be paid no later than the final Distribution Date for Class IY.

**Security Group 11
PPC Prepayment Assumption Rates**

Distribution Date	Class FG 0.01000% Compounded SOFR 0.07000% One-Year CMT					Class FG 6.05000% Compounded SOFR 5.07500% One-Year CMT					Class FG 12.09000% Compounded SOFR 10.08000% One-Year CMT				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
	Initial Percent. . . .	100	100	100	100	100	100	100	100	100	100	100	100	100	100
September 2022 . . .	101	99	99	98	97	106	104	103	102	102	111	109	108	107	106
September 2023 . . .	103	95	92	90	87	114	105	102	99	96	125	115	112	109	105
September 2024 . . .	104	89	84	79	75	122	103	97	92	86	141	119	112	106	100
September 2025 . . .	106	82	75	68	61	130	100	91	83	75	155	119	108	98	89
September 2026 . . .	107	75	65	57	49	139	95	83	73	63	4	3	3	2	2
September 2027 . . .	109	67	56	46	38	149	90	75	62	51	0	0	0	0	0
September 2028 . . .	110	59	47	37	29	156	82	65	51	40	0	0	0	0	0
September 2029 . . .	112	52	39	29	21	0	0	0	0	0	0	0	0	0	0
September 2030 . . .	114	45	32	22	15	0	0	0	0	0	0	0	0	0	0
September 2031 . . .	115	38	25	16	10	0	0	0	0	0	0	0	0	0	0
September 2032 . . .	117	32	20	12	7	0	0	0	0	0	0	0	0	0	0
September 2033 . . .	118	27	15	8	4	0	0	0	0	0	0	0	0	0	0
September 2034 . . .	120	22	11	6	3	0	0	0	0	0	0	0	0	0	0
September 2035 . . .	122	18	8	4	2	0	0	0	0	0	0	0	0	0	0
September 2036 . . .	124	14	6	2	1	0	0	0	0	0	0	0	0	0	0
September 2037 . . .	122	11	4	2	1	0	0	0	0	0	0	0	0	0	0
September 2038 . . .	124	8	3	1	0	0	0	0	0	0	0	0	0	0	0
September 2039 . . .	126	6	2	1	0	0	0	0	0	0	0	0	0	0	0
September 2040 . . .	128	5	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2041 . . .	129	4	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2042 . . .	131	3	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2043 and thereafter . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	21.7	9.0	7.4	6.3	5.5	7.7	7.1	6.6	6.1	5.6	4.8	4.8	4.8	4.7	4.5

**Security Group 11
PPC Prepayment Assumption Rates**

Distribution Date	Class GI* 0.01000% Compounded SOFR 0.07000% One-Year CMT					Class GI* 6.05000% Compounded SOFR 5.07500% One-Year CMT					Class GI* 12.09000% Compounded SOFR 10.08000% One-Year CMT				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
	Initial Percent. . . .	100	100	100	100	100	100	100	100	100	100	100	100	100	100
September 2022 . . .	102	99	99	98	97	107	104	103	102	102	111	109	108	107	106
September 2023 . . .	104	95	92	90	87	114	105	102	99	96	125	115	112	109	105
September 2024 . . .	105	89	84	79	75	122	103	97	92	86	141	119	112	106	100
September 2025 . . .	107	82	75	68	62	130	100	91	83	75	155	119	108	98	89
September 2026 . . .	109	75	65	57	49	139	95	83	73	63	4	3	3	2	2
September 2027 . . .	111	67	56	46	38	149	90	75	62	51	0	0	0	0	0
September 2028 . . .	113	59	47	37	29	156	82	65	51	40	0	0	0	0	0
September 2029 . . .	115	52	39	29	21	0	0	0	0	0	0	0	0	0	0
September 2030 . . .	117	45	32	22	15	0	0	0	0	0	0	0	0	0	0
September 2031 . . .	119	38	25	16	10	0	0	0	0	0	0	0	0	0	0
September 2032 . . .	121	32	20	12	7	0	0	0	0	0	0	0	0	0	0
September 2033 . . .	123	27	15	8	4	0	0	0	0	0	0	0	0	0	0
September 2034 . . .	125	22	11	6	3	0	0	0	0	0	0	0	0	0	0
September 2035 . . .	127	18	8	4	2	0	0	0	0	0	0	0	0	0	0
September 2036 . . .	130	14	6	2	1	0	0	0	0	0	0	0	0	0	0
September 2037 . . .	129	11	4	2	1	0	0	0	0	0	0	0	0	0	0
September 2038 . . .	131	8	3	1	0	0	0	0	0	0	0	0	0	0	0
September 2039 . . .	133	6	2	1	0	0	0	0	0	0	0	0	0	0	0
September 2040 . . .	136	5	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2041 . . .	138	4	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2042 . . .	141	3	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2043 and thereafter . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	21.7	9.0	7.4	6.3	5.5	7.7	7.1	6.6	6.1	5.6	4.8	4.8	4.8	4.7	4.5

* The decrement tables for Class GI reflect only the Class GI Notional Balance at various rates of PPC and at various levels of Compounded SOFR and One-Year CMT. In addition to the current interest accrual amount on the Class GI Notional Balance at the Class GI Interest Rate, Class GI is entitled to the Class GI Deferred Interest Amount. No representation is made about the timing of distributions of the Class GI Deferred Interest Amount other than that such amount will be paid no later than the final Distribution Date for Class GI.

**Security Groups 7, 8 and 11
PPC Prepayment Assumption Rates**

Distribution Date	Class IN* 0.01000% Compounded SOFR 0.07000% One-Year CMT					Class IN* 6.05000% Compounded SOFR 5.07500% One-Year CMT					Class IN* 12.09000% Compounded SOFR 10.08000% One-Year CMT				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
	Initial Percent. . . .	100	100	100	100	100	100	100	100	100	100	100	100	100	100
September 2022 . . .	102	99	98	98	97	106	104	103	102	101	110	108	107	106	105
September 2023 . . .	103	95	92	89	86	114	104	101	98	95	123	112	109	106	103
September 2024 . . .	105	89	84	79	74	122	103	97	91	85	136	115	108	102	96
September 2025 . . .	107	82	74	67	61	130	99	90	82	74	150	115	104	94	85
September 2026 . . .	109	74	65	56	49	139	95	83	72	62	33	23	20	17	15
September 2027 . . .	111	66	55	46	38	147	88	74	61	50	32	19	16	13	11
September 2028 . . .	113	59	47	37	28	156	81	64	51	39	34	18	14	11	9
September 2029 . . .	115	51	39	28	21	36	16	12	9	7	36	16	12	9	7
September 2030 . . .	117	44	31	22	15	0	0	0	0	0	0	0	0	0	0
September 2031 . . .	119	38	25	16	10	0	0	0	0	0	0	0	0	0	0
September 2032 . . .	121	32	19	12	7	0	0	0	0	0	0	0	0	0	0
September 2033 . . .	123	26	15	8	4	0	0	0	0	0	0	0	0	0	0
September 2034 . . .	125	22	11	6	3	0	0	0	0	0	0	0	0	0	0
September 2035 . . .	126	17	8	4	2	0	0	0	0	0	0	0	0	0	0
September 2036 . . .	128	14	6	2	1	0	0	0	0	0	0	0	0	0	0
September 2037 . . .	128	11	4	1	0	0	0	0	0	0	0	0	0	0	0
September 2038 . . .	131	8	3	1	0	0	0	0	0	0	0	0	0	0	0
September 2039 . . .	133	6	2	1	0	0	0	0	0	0	0	0	0	0	0
September 2040 . . .	135	5	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2041 . . .	137	3	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2042 . . .	140	3	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2043 . . .	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2044 . . .	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2045 . . .	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2046 . . .	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2047 and thereafter . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	22.3	8.9	7.3	6.2	5.5	7.8	7.2	6.6	6.1	5.6	5.6	5.3	5.2	5.0	4.7

* The decrement tables for Class IN reflect only the Class IN Notional Balance at various rates of PPC and at various levels of Compounded SOFR and One-Year CMT. In addition to the current interest accrual amount on the Class IN Notional Balance at the Class IN Interest Rate, Class IN is entitled to the Class IN Deferred Interest Amount. No representation is made about the timing of distributions of the Class IN Deferred Interest Amount other than that such amount will be paid no later than the final Distribution Date for Class IN.

**Security Groups 8 and 11
PPC Prepayment Assumption Rates**

Distribution Date	Class NI* 0.01000% Compounded SOFR 0.07000% One-Year CMT					Class NI* 6.05000% Compounded SOFR 5.07500% One-Year CMT					Class NI* 12.09000% Compounded SOFR 10.08000% One-Year CMT				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
	Initial Percent. . . .	100	100	100	100	100	100	100	100	100	100	100	100	100	100
September 2022 . . .	102	99	98	97	97	107	104	103	102	101	111	109	108	107	106
September 2023 . . .	104	95	92	89	86	114	104	101	98	95	125	115	111	108	105
September 2024 . . .	105	89	84	79	74	122	103	97	91	85	141	119	112	105	99
September 2025 . . .	107	82	74	67	61	130	99	90	82	74	156	119	108	98	89
September 2026 . . .	109	74	65	56	49	140	95	83	72	62	3	2	2	2	1
September 2027 . . .	111	67	55	46	38	149	89	74	62	51	0	0	0	0	0
September 2028 . . .	113	59	47	37	28	158	82	65	51	40	0	0	0	0	0
September 2029 . . .	115	52	39	28	21	0	0	0	0	0	0	0	0	0	0
September 2030 . . .	117	44	31	22	15	0	0	0	0	0	0	0	0	0	0
September 2031 . . .	119	38	25	16	10	0	0	0	0	0	0	0	0	0	0
September 2032 . . .	121	32	19	12	7	0	0	0	0	0	0	0	0	0	0
September 2033 . . .	124	26	15	8	4	0	0	0	0	0	0	0	0	0	0
September 2034 . . .	126	22	11	6	3	0	0	0	0	0	0	0	0	0	0
September 2035 . . .	128	17	8	4	2	0	0	0	0	0	0	0	0	0	0
September 2036 . . .	130	14	6	2	1	0	0	0	0	0	0	0	0	0	0
September 2037 . . .	130	11	4	1	0	0	0	0	0	0	0	0	0	0	0
September 2038 . . .	133	8	3	1	0	0	0	0	0	0	0	0	0	0	0
September 2039 . . .	135	6	2	1	0	0	0	0	0	0	0	0	0	0	0
September 2040 . . .	137	5	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2041 . . .	140	4	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2042 . . .	142	3	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2043 and thereafter . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	21.6	9.0	7.3	6.2	5.5	7.6	7.1	6.5	6.0	5.5	4.7	4.7	4.7	4.6	4.4

* The decrement tables for Class NI reflect only the Class NI Notional Balance at various rates of PPC and at various levels of Compounded SOFR and One-Year CMT. In addition to the current interest accrual amount on the Class NI Notional Balance at the Class NI Interest Rate, Class NI is entitled to the Class NI Deferred Interest Amount. No representation is made about the timing of distributions of the Class NI Deferred Interest Amount other than that such amount will be paid no later than the final Distribution Date for Class NI.

**Security Group 12
PPC Prepayment Assumption Rates**

Distribution Date	Class GF 0.01000% Compounded SOFR 0.07000% One-Year CMT					Class GF 6.05000% Compounded SOFR 5.07500% One-Year CMT					Class GF 12.09000% Compounded SOFR 10.08000% One-Year CMT				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
Initial Percent. . . .	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
September 2022 . . .	101	99	98	98	97	106	104	103	102	102	106	104	103	102	102
September 2023 . . .	102	95	92	90	87	114	104	101	99	96	114	104	101	99	96
September 2024 . . .	103	89	84	79	74	121	103	97	91	86	121	103	97	91	86
September 2025 . . .	104	82	74	68	61	130	99	91	82	74	130	99	91	82	74
September 2026 . . .	105	74	65	56	49	139	95	83	72	62	139	95	83	72	62
September 2027 . . .	106	66	56	46	38	148	89	75	62	51	148	89	75	62	51
September 2028 . . .	107	59	47	37	29	157	82	65	51	40	157	82	65	51	40
September 2029 . . .	108	51	39	29	21	168	76	57	42	31	168	76	57	42	31
September 2030 . . .	109	44	31	22	15	5	2	1	1	1	5	2	1	1	1
September 2031 . . .	110	38	25	16	10	3	1	1	0	0	3	1	1	0	0
September 2032 . . .	111	32	19	12	7	4	1	1	0	0	4	1	1	0	0
September 2033 . . .	112	26	15	8	4	2	1	0	0	0	2	1	0	0	0
September 2034 . . .	113	22	11	6	3	3	0	0	0	0	3	0	0	0	0
September 2035 . . .	113	17	8	4	2	3	0	0	0	0	3	0	0	0	0
September 2036 . . .	114	14	6	2	1	0	0	0	0	0	0	0	0	0	0
September 2037 . . .	115	11	4	2	1	0	0	0	0	0	0	0	0	0	0
September 2038 . . .	115	8	3	1	0	0	0	0	0	0	0	0	0	0	0
September 2039 . . .	116	6	2	1	0	0	0	0	0	0	0	0	0	0	0
September 2040 . . .	117	5	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2041 . . .	118	3	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2042 . . .	119	3	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2043 . . .	120	2	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2044 . . .	121	1	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2045 . . .	122	1	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2046 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2047 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2048 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2049 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2050 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2051 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2052 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2053 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2054 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2055 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2056 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2057 . . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2058 . . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2059 . . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2060 . . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2061 . . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2062 . . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2063 . . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2064 . . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2065 . . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2066 . . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2067 . . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2068 . . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2069 . . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2070 and thereafter . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years) . . .	24.4	9.0	7.3	6.3	5.5	8.4	7.6	7.0	6.3	5.8	8.4	7.6	7.0	6.3	5.8

**Security Group 12
PPC Prepayment Assumption Rates**

Distribution Date	Class IG* 0.01000% Compounded SOFR 0.07000% One-Year CMT					Class IG* 6.05000% Compounded SOFR 5.07500% One-Year CMT					Class IG* 12.09000% Compounded SOFR 10.08000% One-Year CMT				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
Initial Percent. . . .	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
September 2022 . . .	102	99	99	98	97	106	104	103	102	102	106	104	103	102	102
September 2023 . . .	103	95	92	90	87	114	105	102	99	96	114	105	102	99	96
September 2024 . . .	105	89	84	79	74	121	103	97	91	86	121	103	97	91	86
September 2025 . . .	107	82	75	68	61	130	99	91	82	74	130	99	91	82	74
September 2026 . . .	108	74	65	56	49	139	95	83	72	63	139	95	83	72	63
September 2027 . . .	110	67	56	46	38	148	89	75	62	51	148	89	75	62	51
September 2028 . . .	112	59	47	37	29	157	83	66	52	40	157	83	66	52	40
September 2029 . . .	114	51	39	29	21	168	76	57	42	31	168	76	57	42	31
September 2030 . . .	116	44	31	22	15	5	2	1	1	1	5	2	1	1	1
September 2031 . . .	118	38	25	16	10	3	1	1	0	0	3	1	1	0	0
September 2032 . . .	120	32	20	12	7	4	1	1	0	0	4	1	1	0	0
September 2033 . . .	122	26	15	8	4	2	1	0	0	0	2	1	0	0	0
September 2034 . . .	124	22	11	6	3	3	0	0	0	0	3	0	0	0	0
September 2035 . . .	125	17	8	4	2	3	0	0	0	0	3	0	0	0	0
September 2036 . . .	127	14	6	2	1	0	0	0	0	0	0	0	0	0	0
September 2037 . . .	129	11	4	2	1	0	0	0	0	0	0	0	0	0	0
September 2038 . . .	130	8	3	1	0	0	0	0	0	0	0	0	0	0	0
September 2039 . . .	132	6	2	1	0	0	0	0	0	0	0	0	0	0	0
September 2040 . . .	133	5	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2041 . . .	135	3	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2042 . . .	138	3	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2043 . . .	140	2	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2044 . . .	142	1	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2045 . . .	144	1	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2046 . . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2047 . . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2048 . . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2049 . . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2050 . . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2051 . . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2052 . . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2053 . . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2054 . . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2055 . . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2056 . . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2057 . . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2058 . . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2059 . . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2060 . . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2061 . . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2062 . . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2063 . . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2064 . . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2065 . . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2066 . . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2067 . . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2068 . . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2069 . . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2070 and thereafter . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years) . . .	24.5	9.0	7.3	6.3	5.5	8.4	7.6	7.0	6.3	5.8	8.4	7.6	7.0	6.3	5.8

* The decrement tables for Class IG reflect only the Class IG Notional Balance at various rates of PPC and at various levels of Compounded SOFR and One-Year CMT. In addition to the current interest accrual amount on the Class IG Notional Balance at the Class IG Interest Rate, Class IG is entitled to the Class IG Deferred Interest Amount. No representation is made about the timing of distributions of the Class IG Deferred Interest Amount other than that such amount will be paid no later than the final Distribution Date for Class IG.

**Security Group 13
PPC Prepayment Assumption Rates**

Distribution Date	Class FH 0.01000% Compounded SOFR 0.07000% One-Year CMT					Class FH 6.05000% Compounded SOFR 5.07500% One-Year CMT					Class FH 12.09000% Compounded SOFR 10.08000% One-Year CMT				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
Initial Percent. . . .	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
September 2022 . . .	101	99	98	98	97	106	104	103	102	101	109	107	106	105	104
September 2023 . . .	103	95	92	89	87	113	104	101	98	95	120	111	107	104	101
September 2024 . . .	104	88	83	79	74	121	102	96	91	86	132	112	106	100	94
September 2025 . . .	105	81	74	67	61	129	99	90	82	74	146	112	102	92	84
September 2026 . . .	107	74	64	56	48	137	94	82	72	62	157	107	94	82	71
September 2027 . . .	108	66	55	46	38	145	88	73	61	50	57	34	29	24	20
September 2028 . . .	109	58	46	36	28	155	81	65	51	40	61	32	25	20	15
September 2029 . . .	111	51	38	28	21	162	73	55	41	30	63	29	21	16	12
September 2030 . . .	112	44	31	21	15	1	0	0	0	0	1	0	0	0	0
September 2031 . . .	113	37	25	16	10	0	0	0	0	0	0	0	0	0	0
September 2032 . . .	115	31	19	11	7	0	0	0	0	0	0	0	0	0	0
September 2033 . . .	116	26	15	8	4	0	0	0	0	0	0	0	0	0	0
September 2034 . . .	117	21	11	5	3	0	0	0	0	0	0	0	0	0	0
September 2035 . . .	118	17	8	4	2	1	0	0	0	0	1	0	0	0	0
September 2036 . . .	120	13	6	2	1	0	0	0	0	0	0	0	0	0	0
September 2037 . . .	121	10	4	1	0	0	0	0	0	0	0	0	0	0	0
September 2038 . . .	123	8	3	1	0	0	0	0	0	0	0	0	0	0	0
September 2039 . . .	124	6	2	1	0	0	0	0	0	0	0	0	0	0	0
September 2040 . . .	126	5	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2041 . . .	127	3	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2042 . . .	129	2	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2043 . . .	130	2	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2044 . . .	129	1	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2045 . . .	131	1	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2046 . . .	120	1	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2047 . . .	39	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2048 and thereafter . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	25.5	8.9	7.3	6.2	5.5	8.4	7.6	6.9	6.3	5.7	6.4	6.0	5.8	5.4	5.1

**Security Group 13
PPC Prepayment Assumption Rates**

Distribution Date	Class HI* 0.01000% Compounded SOFR 0.07000% One-Year CMT					Class HI* 6.05000% Compounded SOFR 5.07500% One-Year CMT					Class HI* 12.09000% Compounded SOFR 10.08000% One-Year CMT				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
	Initial Percent. . . .	100	100	100	100	100	100	100	100	100	100	100	100	100	100
September 2022 . . .	101	99	98	98	97	106	104	103	102	101	109	107	106	105	104
September 2023 . . .	103	95	92	89	87	113	104	101	98	95	120	111	107	104	101
September 2024 . . .	104	88	83	79	74	121	102	96	91	86	132	112	106	100	94
September 2025 . . .	106	81	74	67	61	129	99	90	82	74	146	112	102	92	84
September 2026 . . .	108	74	64	56	49	137	94	82	72	62	157	107	94	82	71
September 2027 . . .	109	66	55	46	38	145	88	73	61	50	57	34	29	24	20
September 2028 . . .	111	58	46	36	28	155	81	65	51	40	61	32	25	20	15
September 2029 . . .	112	51	38	28	21	162	73	55	41	30	63	29	21	16	12
September 2030 . . .	114	44	31	21	15	1	0	0	0	0	1	0	0	0	0
September 2031 . . .	116	37	25	16	10	0	0	0	0	0	0	0	0	0	0
September 2032 . . .	117	31	19	11	7	0	0	0	0	0	0	0	0	0	0
September 2033 . . .	119	26	15	8	4	0	0	0	0	0	0	0	0	0	0
September 2034 . . .	120	21	11	5	3	0	0	0	0	0	0	0	0	0	0
September 2035 . . .	121	17	8	4	2	1	0	0	0	0	1	0	0	0	0
September 2036 . . .	123	13	6	2	1	0	0	0	0	0	0	0	0	0	0
September 2037 . . .	125	10	4	1	0	0	0	0	0	0	0	0	0	0	0
September 2038 . . .	127	8	3	1	0	0	0	0	0	0	0	0	0	0	0
September 2039 . . .	128	6	2	1	0	0	0	0	0	0	0	0	0	0	0
September 2040 . . .	130	5	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2041 . . .	132	3	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2042 . . .	134	2	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2043 . . .	135	2	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2044 . . .	135	1	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2045 . . .	137	1	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2046 . . .	125	1	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2047 . . .	41	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2048 and thereafter . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	25.5	8.9	7.3	6.2	5.5	8.4	7.6	6.9	6.3	5.7	6.4	6.0	5.8	5.4	5.1

* The decrement tables for Class HI reflect only the Class HI Notional Balance at various rates of PPC and at various levels of Compounded SOFR and One-Year CMT. In addition to the current interest accrual amount on the Class HI Notional Balance at the Class HI Interest Rate, Class HI is entitled to the Class HI Deferred Interest Amount. No representation is made about the timing of distributions of the Class HI Deferred Interest Amount other than that such amount will be paid no later than the final Distribution Date for Class HI.

**Security Groups 12 and 13
PPC Prepayment Assumption Rates**

Distribution Date	Class IM* 0.01000% Compounded SOFR 0.07000% One-Year CMT					Class IM* 6.05000% Compounded SOFR 5.07500% One-Year CMT					Class IM* 12.09000% Compounded SOFR 10.08000% One-Year CMT				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
Initial Percent. . . .	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
September 2022 . . .	102	99	98	98	97	106	104	103	102	101	108	106	105	104	103
September 2023 . . .	103	95	92	89	87	113	104	101	98	95	118	109	105	102	99
September 2024 . . .	105	89	84	79	74	121	102	97	91	86	129	109	103	97	91
September 2025 . . .	106	81	74	67	61	129	99	90	82	74	141	108	98	89	81
September 2026 . . .	108	74	65	56	49	138	94	82	72	62	151	103	90	79	68
September 2027 . . .	109	66	55	46	38	146	88	74	61	50	87	52	44	36	30
September 2028 . . .	111	58	46	36	28	156	82	65	51	40	92	48	38	30	24
September 2029 . . .	113	51	38	28	21	164	74	55	41	30	97	44	33	25	18
September 2030 . . .	115	44	31	22	15	2	1	1	0	0	2	1	1	0	0
September 2031 . . .	116	37	25	16	10	1	0	0	0	0	1	0	0	0	0
September 2032 . . .	118	31	19	12	7	1	0	0	0	0	1	0	0	0	0
September 2033 . . .	120	26	15	8	4	1	0	0	0	0	1	0	0	0	0
September 2034 . . .	121	21	11	6	3	1	0	0	0	0	1	0	0	0	0
September 2035 . . .	122	17	8	4	2	1	0	0	0	0	1	0	0	0	0
September 2036 . . .	124	13	6	2	1	0	0	0	0	0	0	0	0	0	0
September 2037 . . .	126	11	4	1	0	0	0	0	0	0	0	0	0	0	0
September 2038 . . .	128	8	3	1	0	0	0	0	0	0	0	0	0	0	0
September 2039 . . .	130	6	2	1	0	0	0	0	0	0	0	0	0	0	0
September 2040 . . .	131	5	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2041 . . .	133	3	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2042 . . .	135	2	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2043 . . .	137	2	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2044 . . .	137	1	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2045 . . .	139	1	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2046 . . .	85	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2047 . . .	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2048 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2049 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2050 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2051 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2052 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2053 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2054 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2055 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2056 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2057 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2058 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2059 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2060 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2061 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2062 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2063 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2064 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2065 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2066 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2067 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2068 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2069 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2070 and thereafter . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	25.2	8.9	7.3	6.2	5.5	8.4	7.6	6.9	6.3	5.8	7.1	6.6	6.2	5.7	5.3

* The decrement tables for Class IM reflect only the Class IM Notional Balance at various rates of PPC and at various levels of Compounded SOFR and One-Year CMT. In addition to the current interest accrual amount on the Class IM Notional Balance at the Class IM Interest Rate, Class IM is entitled to the Class IM Deferred Interest Amount. No representation is made about the timing of distributions of the Class IM Deferred Interest Amount other than that such amount will be paid no later than the final Distribution Date for Class IM.

**Security Group 14
PPC Prepayment Assumption Rates**

Distribution Date	Class HF 0.01000% Compounded SOFR 0.07000% One-Year CMT					Class HF 6.05000% Compounded SOFR 5.07500% One-Year CMT					Class HF 12.09000% Compounded SOFR 10.08000% One-Year CMT				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
	Initial Percent. . . .	100	100	100	100	100	100	100	100	100	100	100	100	100	100
September 2022 . . .	102	99	99	98	97	106	104	103	102	102	106	104	103	102	102
September 2023 . . .	103	95	92	90	87	114	105	102	99	96	114	105	102	99	96
September 2024 . . .	105	89	84	79	74	122	103	97	92	86	122	103	97	92	86
September 2025 . . .	106	82	75	68	61	130	100	91	83	75	130	100	91	83	75
September 2026 . . .	108	75	65	57	49	139	95	83	73	63	139	95	83	73	63
September 2027 . . .	109	67	56	46	38	149	90	75	62	51	149	90	75	62	51
September 2028 . . .	111	59	47	37	29	159	84	66	52	41	159	84	66	52	41
September 2029 . . .	113	52	39	29	21	170	77	58	43	31	170	77	58	43	31
September 2030 . . .	115	45	32	22	15	2	1	1	0	0	2	1	1	0	0
September 2031 . . .	116	38	25	16	10	2	1	0	0	0	2	1	0	0	0
September 2032 . . .	118	32	20	12	7	2	1	0	0	0	2	1	0	0	0
September 2033 . . .	120	27	15	8	4	0	0	0	0	0	0	0	0	0	0
September 2034 . . .	122	22	11	6	3	0	0	0	0	0	0	0	0	0	0
September 2035 . . .	123	18	8	4	2	0	0	0	0	0	0	0	0	0	0
September 2036 . . .	125	14	6	2	1	0	0	0	0	0	0	0	0	0	0
September 2037 . . .	127	11	4	2	1	0	0	0	0	0	0	0	0	0	0
September 2038 . . .	129	8	3	1	0	0	0	0	0	0	0	0	0	0	0
September 2039 . . .	131	6	2	1	0	0	0	0	0	0	0	0	0	0	0
September 2040 . . .	133	5	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2041 . . .	135	4	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2042 . . .	137	3	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2043 . . .	139	2	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2044 . . .	141	1	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2045 . . .	67	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2046 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2047 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2048 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2049 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2050 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2051 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2052 . . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2053 . . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2054 . . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2055 and thereafter . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years) . . .	24.1	9.0	7.4	6.3	5.5	8.4	7.7	7.0	6.4	5.8	8.4	7.7	7.0	6.4	5.8

**Security Group 14
PPC Prepayment Assumption Rates**

Distribution Date	Class IH* 0.01000% Compounded SOFR 0.07000% One-Year CMT					Class IH* 6.05000% Compounded SOFR 5.07500% One-Year CMT					Class IH* 12.09000% Compounded SOFR 10.08000% One-Year CMT				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
	Initial Percent. . . .	100	100	100	100	100	100	100	100	100	100	100	100	100	100
September 2022 . . .	102	99	99	98	97	106	104	103	102	102	107	104	103	102	102
September 2023 . . .	104	95	92	90	87	114	105	102	99	96	114	105	102	99	96
September 2024 . . .	105	89	84	79	75	122	103	97	92	86	122	103	97	92	86
September 2025 . . .	107	82	75	68	61	130	100	91	83	75	130	100	91	83	75
September 2026 . . .	109	75	65	57	49	139	95	83	73	63	139	95	83	73	63
September 2027 . . .	111	67	56	46	38	149	90	75	62	51	149	90	75	62	51
September 2028 . . .	113	59	47	37	29	159	84	66	52	41	159	84	66	52	41
September 2029 . . .	115	52	39	29	21	170	77	58	43	31	170	77	58	43	31
September 2030 . . .	117	45	32	22	15	2	1	1	0	0	2	1	1	0	0
September 2031 . . .	119	38	25	16	10	2	1	0	0	0	2	1	0	0	0
September 2032 . . .	121	32	20	12	7	2	1	0	0	0	2	1	0	0	0
September 2033 . . .	123	27	15	8	4	0	0	0	0	0	0	0	0	0	0
September 2034 . . .	125	22	11	6	3	0	0	0	0	0	0	0	0	0	0
September 2035 . . .	127	18	8	4	2	0	0	0	0	0	0	0	0	0	0
September 2036 . . .	129	14	6	2	1	0	0	0	0	0	0	0	0	0	0
September 2037 . . .	131	11	4	2	1	0	0	0	0	0	0	0	0	0	0
September 2038 . . .	133	8	3	1	0	0	0	0	0	0	0	0	0	0	0
September 2039 . . .	136	6	2	1	0	0	0	0	0	0	0	0	0	0	0
September 2040 . . .	138	5	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2041 . . .	140	4	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2042 . . .	143	3	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2043 . . .	145	2	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2044 . . .	148	1	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2045 . . .	70	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2046 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2047 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2048 . . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2049 . . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2050 . . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2051 . . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2052 . . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2053 . . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2054 . . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2055 and thereafter . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years) . . .	24.1	9.0	7.4	6.3	5.5	8.4	7.7	7.0	6.4	5.8	8.4	7.7	7.0	6.4	5.8

* The decrement tables for Class IH reflect only the Class IH Notional Balance at various rates of PPC and at various levels of Compounded SOFR and One-Year CMT. In addition to the current interest accrual amount on the Class IH Notional Balance at the Class IH Interest Rate, Class IH is entitled to the Class IH Deferred Interest Amount. No representation is made about the timing of distributions of the Class IH Deferred Interest Amount other than that such amount will be paid no later than the final Distribution Date for Class IH.

**Security Groups 12, 13 and 14
PPC Prepayment Assumption Rates**

Distribution Date	Class YI* 0.01000% Compounded SOFR 0.07000% One-Year CMT					Class YI* 6.05000% Compounded SOFR 5.07500% One-Year CMT					Class YI* 12.09000% Compounded SOFR 10.08000% One-Year CMT				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
	Initial Percent. . . .	100	100	100	100	100	100	100	100	100	100	100	100	100	100
September 2022 . . .	102	99	99	98	97	106	104	103	102	102	108	105	104	104	103
September 2023 . . .	103	95	92	90	87	114	104	101	98	96	116	107	104	101	98
September 2024 . . .	105	89	84	79	74	121	103	97	91	86	126	107	101	95	89
September 2025 . . .	107	82	74	68	61	130	99	90	82	74	136	105	95	87	78
September 2026 . . .	108	74	65	56	49	138	95	83	72	62	146	100	88	76	66
September 2027 . . .	110	66	55	46	38	147	89	74	62	51	111	67	56	47	38
September 2028 . . .	112	59	47	37	29	157	82	65	51	40	119	62	49	39	30
September 2029 . . .	114	51	39	29	21	166	75	56	42	31	126	57	43	32	23
September 2030 . . .	115	44	31	22	15	2	1	1	0	0	2	1	1	0	0
September 2031 . . .	117	38	25	16	10	2	1	0	0	0	2	1	0	0	0
September 2032 . . .	119	32	19	12	7	2	0	0	0	0	2	0	0	0	0
September 2033 . . .	121	26	15	8	4	1	0	0	0	0	1	0	0	0	0
September 2034 . . .	123	21	11	6	3	1	0	0	0	0	1	0	0	0	0
September 2035 . . .	124	17	8	4	2	1	0	0	0	0	1	0	0	0	0
September 2036 . . .	126	14	6	2	1	0	0	0	0	0	0	0	0	0	0
September 2037 . . .	128	11	4	2	1	0	0	0	0	0	0	0	0	0	0
September 2038 . . .	130	8	3	1	0	0	0	0	0	0	0	0	0	0	0
September 2039 . . .	132	6	2	1	0	0	0	0	0	0	0	0	0	0	0
September 2040 . . .	134	5	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2041 . . .	136	3	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2042 . . .	138	3	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2043 . . .	140	2	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2044 . . .	141	1	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2045 . . .	112	1	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2046 . . .	52	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2047 . . .	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2048 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2049 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2050 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2051 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2052 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2053 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2054 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2055 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2056 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2057 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2058 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2059 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2060 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2061 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2062 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2063 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2064 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2065 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2066 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2067 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2068 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2069 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2070 and thereafter . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	24.8	9.0	7.3	6.2	5.5	8.4	7.6	6.9	6.3	5.8	7.6	7.0	6.5	6.0	5.5

* The decrement tables for Class YI reflect only the Class YI Notional Balance at various rates of PPC and at various levels of Compounded SOFR and One-Year CMT. In addition to the current interest accrual amount on the Class YI Notional Balance at the Class YI Interest Rate, Class YI is entitled to the Class YI Deferred Interest Amount. No representation is made about the timing of distributions of the Class YI Deferred Interest Amount other than that such amount will be paid no later than the final Distribution Date for Class YI.

**Security Groups 12 and 14
PPC Prepayment Assumption Rates**

Distribution Date	Class MI* 0.01000% Compounded SOFR 0.07000% One-Year CMT					Class MI* 6.05000% Compounded SOFR 5.07500% One-Year CMT					Class MI* 12.09000% Compounded SOFR 10.08000% One-Year CMT				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
	Initial Percent. . . .	100	100	100	100	100	100	100	100	100	100	100	100	100	100
September 2022 . . .	102	99	99	98	97	106	104	103	102	102	106	104	103	102	102
September 2023 . . .	103	95	92	90	87	114	105	102	99	96	114	105	102	99	96
September 2024 . . .	105	89	84	79	74	122	103	97	92	86	122	103	97	92	86
September 2025 . . .	107	82	75	68	61	130	100	91	82	75	130	100	91	82	75
September 2026 . . .	109	74	65	57	49	139	95	83	72	63	139	95	83	72	63
September 2027 . . .	111	67	56	46	38	149	90	75	62	51	149	90	75	62	51
September 2028 . . .	113	59	47	37	29	158	83	66	52	40	158	83	66	52	40
September 2029 . . .	114	52	39	29	21	169	76	57	43	31	169	77	57	43	31
September 2030 . . .	116	45	32	22	15	3	1	1	1	0	3	1	1	1	0
September 2031 . . .	118	38	25	16	10	3	1	1	0	0	3	1	1	0	0
September 2032 . . .	120	32	20	12	7	3	1	0	0	0	3	1	0	0	0
September 2033 . . .	122	27	15	8	4	1	0	0	0	0	1	0	0	0	0
September 2034 . . .	124	22	11	6	3	1	0	0	0	0	1	0	0	0	0
September 2035 . . .	126	17	8	4	2	1	0	0	0	0	1	0	0	0	0
September 2036 . . .	128	14	6	2	1	0	0	0	0	0	0	0	0	0	0
September 2037 . . .	131	11	4	2	1	0	0	0	0	0	0	0	0	0	0
September 2038 . . .	132	8	3	1	0	0	0	0	0	0	0	0	0	0	0
September 2039 . . .	134	6	2	1	0	0	0	0	0	0	0	0	0	0	0
September 2040 . . .	136	5	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2041 . . .	139	4	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2042 . . .	141	3	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2043 . . .	143	2	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2044 . . .	146	1	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2045 . . .	95	1	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2046 . . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2047 . . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2048 . . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2049 . . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2050 . . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2051 . . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2052 . . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2053 . . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2054 . . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2055 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2056 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2057 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2058 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2059 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2060 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2061 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2062 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2063 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2064 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2065 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2066 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2067 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2068 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2069 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2070 and thereafter . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	24.2	9.0	7.4	6.3	5.5	8.4	7.7	7.0	6.4	5.8	8.4	7.7	7.0	6.4	5.8

* The decrement tables for Class MI reflect only the Class MI Notional Balance at various rates of PPC and at various levels of Compounded SOFR and One-Year CMT. In addition to the current interest accrual amount on the Class MI Notional Balance at the Class MI Interest Rate, Class MI is entitled to the Class MI Deferred Interest Amount. No representation is made about the timing of distributions of the Class MI Deferred Interest Amount other than that such amount will be paid no later than the final Distribution Date for Class MI.

**Security Group 15
PPC Prepayment Assumption Rates**

Distribution Date	Class FJ 0.01000% Compounded SOFR 0.07000% One-Year CMT					Class FJ 6.05000% Compounded SOFR 5.07500% One-Year CMT					Class FJ 12.09000% Compounded SOFR 10.08000% One-Year CMT				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
Initial Percent. . . .	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
September 2022 . . .	102	99	99	98	97	107	104	103	102	102	107	104	103	102	102
September 2023 . . .	103	95	92	90	87	114	105	102	99	96	114	105	102	99	96
September 2024 . . .	105	89	84	79	75	122	103	97	92	86	122	103	97	92	86
September 2025 . . .	106	82	75	68	62	131	100	91	83	75	131	100	91	83	75
September 2026 . . .	108	75	65	57	49	140	96	84	73	63	140	96	84	73	63
September 2027 . . .	109	67	56	47	38	150	90	75	62	51	150	90	75	63	51
September 2028 . . .	111	60	47	37	29	161	84	67	52	41	161	84	67	52	41
September 2029 . . .	113	52	39	29	21	171	77	58	43	31	171	77	58	43	31
September 2030 . . .	115	45	32	22	15	49	19	13	9	6	49	19	13	9	6
September 2031 . . .	116	39	25	16	10	1	0	0	0	0	1	0	0	0	0
September 2032 . . .	118	32	20	12	7	1	0	0	0	0	1	0	0	0	0
September 2033 . . .	120	27	15	8	4	0	0	0	0	0	0	0	0	0	0
September 2034 . . .	122	22	12	6	3	0	0	0	0	0	0	0	0	0	0
September 2035 . . .	123	18	8	4	2	0	0	0	0	0	0	0	0	0	0
September 2036 . . .	125	14	6	2	1	0	0	0	0	0	0	0	0	0	0
September 2037 . . .	127	11	4	2	1	0	0	0	0	0	0	0	0	0	0
September 2038 . . .	129	9	3	1	0	0	0	0	0	0	0	0	0	0	0
September 2039 . . .	130	7	2	1	0	0	0	0	0	0	0	0	0	0	0
September 2040 . . .	132	5	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2041 . . .	133	4	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2042 . . .	136	3	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2043 . . .	138	2	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2044 . . .	140	1	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2045 . . .	53	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2046 and thereafter . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	24.0	9.1	7.4	6.3	5.5	8.8	7.9	7.2	6.5	5.9	8.8	7.9	7.2	6.5	5.9

**Security Group 15
PPC Prepayment Assumption Rates**

Distribution Date	Class JI* 0.01000% Compounded SOFR 0.07000% One-Year CMT					Class JI* 6.05000% Compounded SOFR 5.07500% One-Year CMT					Class JI* 12.09000% Compounded SOFR 10.08000% One-Year CMT				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
	Initial Percent. . . .	100	100	100	100	100	100	100	100	100	100	100	100	100	100
September 2022 . . .	102	99	99	98	97	107	104	103	102	102	107	104	103	102	102
September 2023 . . .	104	95	93	90	87	114	105	102	99	96	114	105	102	99	96
September 2024 . . .	106	89	84	79	75	122	103	97	92	86	122	103	97	92	86
September 2025 . . .	108	82	75	68	62	131	100	91	83	75	131	100	91	83	75
September 2026 . . .	110	75	65	57	49	140	96	84	73	63	140	96	84	73	63
September 2027 . . .	112	67	56	47	38	150	90	75	63	51	150	90	75	63	51
September 2028 . . .	114	60	47	37	29	161	84	67	53	41	161	84	67	53	41
September 2029 . . .	116	52	39	29	21	171	77	58	43	31	171	77	58	43	31
September 2030 . . .	118	45	32	22	15	49	19	13	9	6	49	19	13	9	6
September 2031 . . .	120	39	25	16	10	1	0	0	0	0	1	0	0	0	0
September 2032 . . .	123	32	20	12	7	1	0	0	0	0	1	0	0	0	0
September 2033 . . .	125	27	15	8	4	0	0	0	0	0	0	0	0	0	0
September 2034 . . .	127	22	12	6	3	0	0	0	0	0	0	0	0	0	0
September 2035 . . .	130	18	9	4	2	0	0	0	0	0	0	0	0	0	0
September 2036 . . .	132	14	6	2	1	0	0	0	0	0	0	0	0	0	0
September 2037 . . .	135	11	4	2	1	0	0	0	0	0	0	0	0	0	0
September 2038 . . .	137	9	3	1	0	0	0	0	0	0	0	0	0	0	0
September 2039 . . .	139	7	2	1	0	0	0	0	0	0	0	0	0	0	0
September 2040 . . .	142	5	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2041 . . .	143	4	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2042 . . .	146	3	1	0	0	0	0	0	0	0	0	0	0	0	0
September 2043 . . .	149	2	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2044 . . .	151	1	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2045 . . .	58	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September 2046 and thereafter . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	24.0	9.1	7.4	6.3	5.5	8.8	7.9	7.2	6.5	5.9	8.8	7.9	7.2	6.5	5.9

* The decrement tables for Class JI reflect only the Class JI Notional Balance at various rates of PPC and at various levels of Compounded SOFR and One-Year CMT. In addition to the current interest accrual amount on the Class JI Notional Balance at the Class JI Interest Rate, Class JI is entitled to the Class JI Deferred Interest Amount. No representation is made about the timing of distributions of the Class JI Deferred Interest Amount other than that such amount will be paid no later than the final Distribution Date for Class JI.

**Security Group 16
PPC Prepayment Assumption Rates**

Distribution Date	Class LA					Class LD					Class LI*				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
September 2022.	101	96	94	91	88	103	100	100	100	100	103	96	94	91	88
September 2023.	102	90	84	78	72	106	100	100	100	100	106	90	84	78	72
September 2024.	103	82	72	63	55	109	100	100	100	100	109	82	72	63	55
September 2025.	104	72	60	48	38	112	100	100	100	100	112	72	60	48	38
September 2026.	74	44	33	23	14	114	100	100	100	100	81	44	33	23	14
September 2027.	67	32	20	10	2	117	100	100	100	100	74	32	20	10	2
September 2028.	68	25	12	1	0	120	100	100	100	79	77	25	12	1	0
September 2029.	69	18	4	0	0	124	100	100	82	58	79	18	4	0	0
September 2030.	69	11	0	0	0	128	100	92	62	41	81	11	0	0	0
September 2031.	70	5	0	0	0	131	100	74	46	28	84	5	0	0	0
September 2032.	71	0	0	0	0	135	97	58	34	19	86	0	0	0	0
September 2033.	71	0	0	0	0	139	81	45	24	12	89	0	0	0	0
September 2034.	72	0	0	0	0	143	67	34	16	7	91	0	0	0	0
September 2035.	73	0	0	0	0	147	54	25	11	4	94	0	0	0	0
September 2036.	8	0	0	0	0	151	18	7	3	1	11	0	0	0	0
September 2037 and thereafter.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	11.3	5.3	4.3	3.7	3.2	15.1	13.6	11.8	10.3	9.0	11.7	5.3	4.3	3.7	3.2

* The decrement table for Class LI reflects only the Class LI Notional Balance at various rates of PPC. In addition to the current interest accrual amount on the Class LI Notional Balance at the Class LI Interest Rate, Class LI is entitled to the Class LI Deferred Interest Amount. No representation is made about the timing of distributions of the Class LI Deferred Interest Amount other than that such amount will be paid no later than the final Distribution Date for Class LI.

**Security Group 16
PPC Prepayment Assumption Rates**

Distribution Date	Class YD				
	0%	75%	100%	125%	150%
Initial Percent	100	100	100	100	100
September 2022	103	100	100	100	100
September 2023	106	100	100	100	100
September 2024	109	100	100	100	100
September 2025	112	100	100	100	100
September 2026	114	100	100	100	100
September 2027	117	100	100	100	100
September 2028	120	100	100	100	79
September 2029	124	100	100	82	58
September 2030	128	100	92	62	41
September 2031	131	100	74	46	28
September 2032	135	97	58	34	19
September 2033	139	81	45	24	12
September 2034	143	67	34	16	7
September 2035	147	54	25	11	4
September 2036	151	18	7	3	1
September 2037 and thereafter	0	0	0	0	0
Weighted Average Life (years)	15.1	13.6	11.8	10.3	9.0

**Security Group 17
PPC Prepayment Assumption Rates**

Distribution Date	Class AL					Class DL					Class IL*				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
September 2022.	101	98	95	93	90	103	100	100	100	100	103	98	95	93	90
September 2023.	102	92	86	80	75	106	100	100	100	100	106	92	86	80	75
September 2024.	103	84	75	66	58	110	100	100	100	100	110	84	75	66	58
September 2025.	104	75	63	51	41	113	100	100	100	100	113	75	63	51	41
September 2026.	75	47	36	26	17	115	100	100	100	100	82	47	36	26	17
September 2027.	68	35	23	13	5	118	100	100	100	100	76	35	23	13	5
September 2028.	69	28	15	4	0	122	100	100	100	87	78	28	15	4	0
September 2029.	69	21	7	0	0	126	100	100	88	64	81	21	7	0	0
September 2030.	70	14	0	0	0	130	100	99	68	46	83	14	0	0	0
September 2031.	71	7	0	0	0	134	100	80	51	32	86	7	0	0	0
September 2032.	71	1	0	0	0	138	100	63	37	21	89	1	0	0	0
September 2033.	72	0	0	0	0	142	87	49	26	14	92	0	0	0	0
September 2034.	73	0	0	0	0	147	72	37	18	9	95	0	0	0	0
September 2035.	74	0	0	0	0	152	59	28	12	5	98	0	0	0	0
September 2036 and thereafter.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years).	11.4	5.6	4.5	3.9	3.4	14.6	13.8	12.1	10.6	9.3	11.8	5.6	4.5	3.9	3.4

* The decrement table for Class IL reflects only the Class IL Notional Balance at various rates of PPC. In addition to the current interest accrual amount on the Class IL Notional Balance at the Class IL Interest Rate, Class IL is entitled to the Class IL Deferred Interest Amount. No representation is made about the timing of distributions of the Class IL Deferred Interest Amount other than that such amount will be paid no later than the final Distribution Date for Class IL.

**Security Group 17
PPC Prepayment Assumption Rates**

Distribution Date	Class DY				
	0%	75%	100%	125%	150%
Initial Percent	100	100	100	100	100
September 2022	103	100	100	100	100
September 2023	106	100	100	100	100
September 2024	110	100	100	100	100
September 2025	113	100	100	100	100
September 2026	115	100	100	100	100
September 2027	118	100	100	100	100
September 2028	122	100	100	100	87
September 2029	126	100	100	88	64
September 2030	130	100	99	68	46
September 2031	134	100	80	51	32
September 2032	138	100	63	37	21
September 2033	142	87	49	26	14
September 2034	147	72	37	18	9
September 2035	152	59	28	12	5
September 2036 and thereafter.	0	0	0	0	0
Weighted Average Life (years)	14.6	13.8	12.1	10.6	9.3

Yield Considerations

An investor seeking to maximize yield should make a decision whether to invest in any Regular or MX Class based on the anticipated yield of that Class resulting from its purchase price, the investor's own projection of Maturity Events and deferrals of Maturity Events in respect of the HECMs related to the Participations underlying the HECM MBS, the investor's own projection of prepayments in respect of the

HECMs related to the Participations underlying the HECM MBS, the investor's own projection of the occurrence of any Ginnie Mae Issuer Purchase Events, the investor's own projection of draw activity with respect to the HECMs, in the case of the Group 2 through 15 Securities, the investor's own projection of Compounded SOFR and One-Year CMT under a variety of scenarios, in the case of the Group 1 Securities, the investor's own projection of Compounded SOFR, One-Month LIBOR and One-Year LIBOR under a variety of scenarios, and, in the case of the Group 1, 16 and 17 Securities, the investor's own projection of the rate of reduction and increase in principal balance of the Underlying Certificates under a variety of scenarios. **No representation is made regarding Maturity Events or prepayments in respect of the HECMs related to the Participations underlying the HECM MBS, the occurrence of any Ginnie Mae Issuer Purchase Events, One-Month LIBOR levels, One-Year LIBOR levels, Compounded SOFR levels, One-Year CMT levels, draw activity with respect to the HECMs, Underlying Certificate rates of reduction or increase in principal balance or the yield on any Class.**

Prepayments: Effect on Yields

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

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

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

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

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

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

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

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

One-Month LIBOR, One-Year LIBOR and Compounded SOFR: Effect on Yields of the Floating Rate Classes

Low levels of One-Month LIBOR, One-Year LIBOR and Compounded SOFR, as applicable, can reduce the yield of the Floating Rate Classes. In addition, the Floating Rate Classes will not necessarily benefit from a higher yield at high levels of One-Month LIBOR, One-Year LIBOR and Compounded SOFR, as applicable, because the rate on such Classes is capped at a maximum rate described under “Terms Sheet — Interest Rates.”

One-Year CMT: Effect on Yields of the Group 2 through 15 Floating Rate Classes

Low levels of One-Year CMT can reduce the yield of the Group 2 through 15 Floating Rate Classes. In addition, the Group 2 through 15 Floating Rate Classes will not necessarily benefit from a higher yield at high levels of One-Year CMT because the rate on such Classes is capped at a maximum rate described under “Terms Sheet — Interest Rates.”

Payment Delay: Effect on Yields of the Fixed Rate and Delay Classes

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

Yield Tables

The following tables show the pre-tax yields to maturity on a corporate bond equivalent basis of specified Classes at various constant percentages of PPC, in the case of Classes BI, CI, DI, EI, GI, HI, IA, IB, IC, ID, IE, IG, IH, IM, IN, IO, IQ, IY, JI, MI, NI, QI and YI, at various constant levels of One-Year CMT and Compounded SOFR and, in the case of Class AI, at various constant levels of One-Month LIBOR, One-Year LIBOR and Compounded SOFR.

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

The yields were calculated by

1. determining the monthly discount rates that, when applied to the applicable assumed streams of cash flows to be paid on the applicable Class, would cause the discounted present value of the assumed streams of cash flows to equal the assumed purchase price of that Class plus accrued interest, and
2. converting the monthly rates to corporate bond equivalent rates.

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

The information set forth in the following tables was prepared on the basis of the Modeling Assumptions and the assumptions that (1) the Interest Rate applicable to each Floating Rate Class for each Accrual Period following the first Accrual Period will be based on the indicated level of Compounded SOFR, (2) the HECM MBS Rates applicable to the Group 2 through 15 Trust Assets for each Accrual Period following the applicable Approximate Weighted Average Next Rate Reset Month shown in Exhibit A will be based on the indicated level of One-Year CMT, (3) the Interest Rate applicable to the Group 1 Trust Asset for each Accrual Period following the first Accrual Period will be based on the indicated level of One-Month LIBOR, (4) the HECM MBS Rates applicable to the HECMs underlying the Group 1 Trust Asset for each Accrual Period following the applicable Approximate Weighted Average Next Rate Reset Month shown in Exhibit E will be based on the indicated level of One-Year LIBOR and (5) the purchase price of each Class (expressed as a percentage of its original Class Notional Balance) plus accrued interest is as indicated in the related table. **The assumed purchase price is not necessarily that at which actual sales will occur.**

SECURITY GROUP 1
Sensitivity of Class AI to Prepayments
Assumed Price 0.50000%*
0.08000% One-Month LIBOR
0.22000% One-Year LIBOR

<u>Compounded SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
0.01000%	13.6%	9.2%	4.8%	0.4%

Sensitivity of Class AI to Prepayments
Assumed Price 0.50000%*
3.61500% One-Month LIBOR
4.12600% One-Year LIBOR

<u>Compounded SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
3.60500%	(4.6)%	(8.8)%	(13.0)%	(17.3)%

Sensitivity of Class AI to Prepayments
Assumed Price 0.50000%*
7.15000% One-Month LIBOR
8.03200% One-Year LIBOR

<u>Compounded SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
7.20000%	**	**	**	**

* The price does not include accrued interest. Accrued interest has been added to the price in calculating the yields set forth in the table above.

** Indicates that investors will suffer a loss of virtually all of their investment.

SECURITY GROUP 2
Sensitivity of Class IA to Prepayments
Assumed Price 2.40000%*
0.07000% One-Year CMT

<u>Compounded SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
0.01000%	3.8%	0.1%	(3.5)%	(7.1)%

Sensitivity of Class IA to Prepayments
Assumed Price 2.40000%*
5.07500% One-Year CMT

<u>Compounded SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
6.05000%	(56.1)%	(61.6)%	(69.3)%	(95.0)%

Sensitivity of Class IA to Prepayments
Assumed Price 2.40000%*
10.08000% One-Year CMT

<u>Compounded SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
12.09000%	(56.1)%	(61.6)%	(69.3)%	(95.0)%

* The price does not include accrued interest. Accrued interest has been added to the price in calculating the yields set forth in the table above.

SECURITY GROUP 3
Sensitivity of Class BI to Prepayments
Assumed Price 2.15000%*
0.07000% One-Year CMT

<u>Compounded SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
0.01000%	6.3%	3.0%	(0.3)%	(3.5)%

Sensitivity of Class BI to Prepayments
Assumed Price 2.15000%*
5.07500% One-Year CMT

<u>Compounded SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
6.05000%	(52.7)%	(54.6)%	(56.4)%	(58.4)%

Sensitivity of Class BI to Prepayments
Assumed Price 2.15000%*
10.08000% One-Year CMT

<u>Compounded SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
12.09000%	(72.6)%	(73.9)%	(75.2)%	(76.5)%

* The price does not include accrued interest. Accrued interest has been added to the price in calculating the yields set forth in the table above.

SECURITY GROUP 4
Sensitivity of Class IB to Prepayments
Assumed Price 2.15000%*
0.07000% One-Year CMT

<u>Compounded SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
0.01000%	3.4%	(0.1)%	(3.6)%	(6.9)%

Sensitivity of Class IB to Prepayments
Assumed Price 2.15000%*
5.07500% One-Year CMT

<u>Compounded SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
6.05000%	(49.8)%	(51.8)%	(53.9)%	(56.0)%

Sensitivity of Class IB to Prepayments
Assumed Price 2.15000%*
10.08000% One-Year CMT

<u>Compounded SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
12.09000%	(49.8)%	(51.8)%	(53.9)%	(56.0)%

* The price does not include accrued interest. Accrued interest has been added to the price in calculating the yields set forth in the table above.

SECURITY GROUPS 2 AND 4
Sensitivity of Class QI to Prepayments
Assumed Price 3.10000%*
0.07000% One-Year CMT

<u>Compounded SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
0.01000%	(2.0)%	(5.9)%	(9.7)%	(13.4)%

Sensitivity of Class QI to Prepayments
Assumed Price 3.10000%*
5.07500% One-Year CMT

<u>Compounded SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
6.05000%	(54.3)%	(56.9)%	(59.5)%	(62.3)%

Sensitivity of Class QI to Prepayments
Assumed Price 3.10000%*
10.08000% One-Year CMT

<u>Compounded SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
12.09000%	(54.3)%	(56.9)%	(59.5)%	(62.3)%

* The price does not include accrued interest. Accrued interest has been added to the price in calculating the yields set forth in the table above.

SECURITY GROUP 5
Sensitivity of Class CI to Prepayments
Assumed Price 2.15000%*
0.07000% One-Year CMT

<u>Compounded SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
0.01000%	3.9%	0.3%	(3.2)%	(6.7)%

Sensitivity of Class CI to Prepayments
Assumed Price 2.15000%*
5.07500% One-Year CMT

<u>Compounded SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
6.05000%	(48.8)%	(51.7)%	(54.8)%	(58.0)%

Sensitivity of Class CI to Prepayments
Assumed Price 2.15000%*
10.08000% One-Year CMT

<u>Compounded SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
12.09000%	(76.7)%	(79.2)%	(81.8)%	(84.6)%

* The price does not include accrued interest. Accrued interest has been added to the price in calculating the yields set forth in the table above.

SECURITY GROUP 6
Sensitivity of Class IC to Prepayments
Assumed Price 2.15000%*
0.07000% One-Year CMT

<u>Compounded SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
0.01000%	3.1%	(0.5)%	(3.9)%	(7.3)%

Sensitivity of Class IC to Prepayments
Assumed Price 2.15000%*
5.07500% One-Year CMT

<u>Compounded SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
6.05000%	(52.8)%	(54.8)%	(56.8)%	(58.8)%

Sensitivity of Class IC to Prepayments
Assumed Price 2.15000%*
10.08000% One-Year CMT

<u>Compounded SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
12.09000%	(53.2)%	(55.1)%	(57.1)%	(59.1)%

* The price does not include accrued interest. Accrued interest has been added to the price in calculating the yields set forth in the table above.

SECURITY GROUP 7
Sensitivity of Class DI to Prepayments
Assumed Price 2.15000%*
0.07000% One-Year CMT

<u>Compounded SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
0.01000%	3.7%	0.2%	(3.2)%	(6.6)%

Sensitivity of Class DI to Prepayments
Assumed Price 2.15000%*
5.07500% One-Year CMT

<u>Compounded SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
6.05000%	(49.2)%	(51.4)%	(53.7)%	(56.0)%

Sensitivity of Class DI to Prepayments
Assumed Price 2.15000%*
10.08000% One-Year CMT

<u>Compounded SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
12.09000%	(49.2)%	(51.4)%	(53.7)%	(56.0)%

* The price does not include accrued interest. Accrued interest has been added to the price in calculating the yields set forth in the table above.

SECURITY GROUP 8
Sensitivity of Class ID to Prepayments
Assumed Price 2.13000%*
0.07000% One-Year CMT

<u>Compounded SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
0.01000%	4.2%	0.5%	(3.1)%	(6.6)%

Sensitivity of Class ID to Prepayments
Assumed Price 2.13000%*
5.07500% One-Year CMT

<u>Compounded SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
6.05000%	(60.4)%	(65.3)%	(71.5)%	(81.6)%

Sensitivity of Class ID to Prepayments
Assumed Price 2.13000%*
10.08000% One-Year CMT

<u>Compounded SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
12.09000%	(85.0)%	(90.1)%	(96.8)%	**

* The price does not include accrued interest. Accrued interest has been added to the price in calculating the yields set forth in the table above.

** Indicates that investors will suffer a loss of virtually all of their investment.

SECURITY GROUP 9
Sensitivity of Class EI to Prepayments
Assumed Price 2.13000%*
0.07000% One-Year CMT

<u>Compounded SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
0.01000%	7.0%	3.5%	0.0%	(3.4)%

Sensitivity of Class EI to Prepayments
Assumed Price 2.13000%*
5.07500% One-Year CMT

<u>Compounded SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
6.05000%	(60.9)%	(65.7)%	(71.7)%	(80.8)%

Sensitivity of Class EI to Prepayments
Assumed Price 2.13000%*
10.08000% One-Year CMT

<u>Compounded SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
12.09000%	(84.7)%	(89.7)%	(96.2)%	**

* The price does not include accrued interest. Accrued interest has been added to the price in calculating the yields set forth in the table above.

** Indicates that investors will suffer a loss of virtually all of their investment.

SECURITY GROUPS 2, 3, 4, 5 AND 9
Sensitivity of Class IO to Prepayments
Assumed Price 2.17000%*
0.07000% One-Year CMT

<u>Compounded SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
0.01000%	4.9%	1.4%	(2.0)%	(5.4)%

Sensitivity of Class IO to Prepayments
Assumed Price 2.17000%*
5.07500% One-Year CMT

<u>Compounded SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
6.05000%	(52.2)%	(55.0)%	(57.9)%	(60.9)%

Sensitivity of Class IO to Prepayments
Assumed Price 2.17000%*
10.08000% One-Year CMT

<u>Compounded SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
12.09000%	(59.0)%	(61.6)%	(64.2)%	(67.0)%

* The price does not include accrued interest. Accrued interest has been added to the price in calculating the yields set forth in the table above.

SECURITY GROUPS 3, 5 AND 9
Sensitivity of Class IQ to Prepayments
Assumed Price 2.20000%*
0.07000% One-Year CMT

<u>Compounded SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
0.01000%	5.2%	1.7%	(1.8)%	(5.2)%

Sensitivity of Class IQ to Prepayments
Assumed Price 2.20000%*
5.07500% One-Year CMT

<u>Compounded SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
6.05000%	(52.9)%	(55.8)%	(58.8)%	(62.0)%

Sensitivity of Class IQ to Prepayments
Assumed Price 2.20000%*
10.08000% One-Year CMT

<u>Compounded SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
12.09000%	(77.9)%	(80.3)%	(82.9)%	(85.6)%

* The price does not include accrued interest. Accrued interest has been added to the price in calculating the yields set forth in the table above.

SECURITY GROUP 10
Sensitivity of Class IE to Prepayments
Assumed Price 2.14000%*
0.07000% One-Year CMT

<u>Compounded SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
0.01000%	3.4%	(0.1)%	(3.5)%	(6.9)%

Sensitivity of Class IE to Prepayments
Assumed Price 2.14000%*
5.07500% One-Year CMT

<u>Compounded SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
6.05000%	(51.4)%	(53.4)%	(55.4)%	(57.4)%

Sensitivity of Class IE to Prepayments
Assumed Price 2.14000%*
10.08000% One-Year CMT

<u>Compounded SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
12.09000%	(51.4)%	(53.4)%	(55.4)%	(57.4)%

* The price does not include accrued interest. Accrued interest has been added to the price in calculating the yields set forth in the table above.

SECURITY GROUPS 6 AND 10
Sensitivity of Class IY to Prepayments
Assumed Price 2.14000%*
0.07000% One-Year CMT

<u>Compounded SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
0.01000%	3.3%	(0.2)%	(3.7)%	(7.0)%

Sensitivity of Class IY to Prepayments
Assumed Price 2.14000%*
5.07500% One-Year CMT

<u>Compounded SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
6.05000%	(52.0)%	(53.9)%	(55.9)%	(58.0)%

Sensitivity of Class IY to Prepayments
Assumed Price 2.14000%*
10.08000% One-Year CMT

<u>Compounded SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
12.09000%	(52.1)%	(54.1)%	(56.1)%	(58.1)%

* The price does not include accrued interest. Accrued interest has been added to the price in calculating the yields set forth in the table above.

SECURITY GROUP 11
Sensitivity of Class GI to Prepayments
Assumed Price 2.15000%*
0.07000% One-Year CMT

<u>Compounded SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
0.01000%	5.4%	2.1%	(1.3)%	(4.6)%

Sensitivity of Class GI to Prepayments
Assumed Price 2.15000%*
5.07500% One-Year CMT

<u>Compounded SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
6.05000%	(52.9)%	(54.7)%	(56.6)%	(58.5)%

Sensitivity of Class GI to Prepayments
Assumed Price 2.15000%*
10.08000% One-Year CMT

<u>Compounded SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
12.09000%	(73.4)%	(74.6)%	(75.8)%	(77.0)%

* The price does not include accrued interest. Accrued interest has been added to the price in calculating the yields set forth in the table above.

SECURITY GROUPS 7, 8 AND 11
Sensitivity of Class IN to Prepayments
Assumed Price 2.14000%*
0.07000% One-Year CMT

<u>Compounded SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
0.01000%	4.8%	1.3%	(2.1)%	(5.5)%

Sensitivity of Class IN to Prepayments
Assumed Price 2.14000%*
5.07500% One-Year CMT

<u>Compounded SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
6.05000%	(52.9)%	(55.3)%	(57.7)%	(60.1)%

Sensitivity of Class IN to Prepayments
Assumed Price 2.14000%*
10.08000% One-Year CMT

<u>Compounded SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
12.09000%	(58.7)%	(61.2)%	(63.6)%	(66.0)%

* The price does not include accrued interest. Accrued interest has been added to the price in calculating the yields set forth in the table above.

SECURITY GROUPS 8 AND 11
Sensitivity of Class NI to Prepayments
Assumed Price 2.14000%*
0.07000% One-Year CMT

<u>Compounded SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
0.01000%	5.1%	1.6%	(1.8)%	(5.2)%

Sensitivity of Class NI to Prepayments
Assumed Price 2.14000%*
5.07500% One-Year CMT

<u>Compounded SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
6.05000%	(54.7)%	(57.1)%	(59.5)%	(62.0)%

Sensitivity of Class NI to Prepayments
Assumed Price 2.14000%*
10.08000% One-Year CMT

<u>Compounded SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
12.09000%	(76.1)%	(77.9)%	(79.8)%	(81.6)%

* The price does not include accrued interest. Accrued interest has been added to the price in calculating the yields set forth in the table above.

SECURITY GROUP 12
Sensitivity of Class IG to Prepayments
Assumed Price 5.30000%*
0.07000% One-Year CMT

<u>Compounded SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
0.01000%	2.8%	(0.7)%	(4.2)%	(7.6)%

Sensitivity of Class IG to Prepayments
Assumed Price 5.30000%*
5.07500% One-Year CMT

<u>Compounded SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
6.05000%	(47.6)%	(49.9)%	(52.1)%	(54.4)%

Sensitivity of Class IG to Prepayments
Assumed Price 5.30000%*
10.08000% One-Year CMT

<u>Compounded SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
12.09000%	(47.6)%	(49.9)%	(52.1)%	(54.4)%

* The price does not include accrued interest. Accrued interest has been added to the price in calculating the yields set forth in the table above.

SECURITY GROUP 13
Sensitivity of Class HI to Prepayments
Assumed Price 2.40000%*
0.07000% One-Year CMT

<u>Compounded SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
0.01000%	(4.9)%	(8.9)%	(12.8)%	(16.6)%

Sensitivity of Class HI to Prepayments
Assumed Price 2.40000%*
5.07500% One-Year CMT

<u>Compounded SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
6.05000%	(56.9)%	(59.0)%	(61.1)%	(63.3)%

Sensitivity of Class HI to Prepayments
Assumed Price 2.40000%*
10.08000% One-Year CMT

<u>Compounded SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
12.09000%	(61.8)%	(64.0)%	(66.2)%	(68.5)%

* The price does not include accrued interest. Accrued interest has been added to the price in calculating the yields set forth in the table above.

SECURITY GROUPS 12 AND 13
Sensitivity of Class IM to Prepayments
Assumed Price 2.14000%*
0.07000% One-Year CMT

<u>Compounded SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
0.01000%	7.4%	4.1%	0.9%	(2.3)%

Sensitivity of Class IM to Prepayments
Assumed Price 2.14000%*
5.07500% One-Year CMT

<u>Compounded SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
6.05000%	(47.0)%	(49.2)%	(51.4)%	(53.7)%

Sensitivity of Class IM to Prepayments
Assumed Price 2.14000%*
10.08000% One-Year CMT

<u>Compounded SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
12.09000%	(48.0)%	(50.2)%	(52.4)%	(54.7)%

* The price does not include accrued interest. Accrued interest has been added to the price in calculating the yields set forth in the table above.

SECURITY GROUP 14
Sensitivity of Class IH to Prepayments
Assumed Price 2.30000%*
0.07000% One-Year CMT

<u>Compounded SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
0.01000%	(2.8)%	(6.6)%	(10.4)%	(14.2)%

Sensitivity of Class IH to Prepayments
Assumed Price 2.30000%*
5.07500% One-Year CMT

<u>Compounded SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
6.05000%	(55.2)%	(57.2)%	(59.3)%	(61.4)%

Sensitivity of Class IH to Prepayments
Assumed Price 2.30000%*
10.08000% One-Year CMT

<u>Compounded SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
12.09000%	(55.1)%	(57.2)%	(59.2)%	(61.4)%

* The price does not include accrued interest. Accrued interest has been added to the price in calculating the yields set forth in the table above.

SECURITY GROUPS 12, 13 AND 14
Sensitivity of Class YI to Prepayments
Assumed Price 3.30000%*
0.07000% One-Year CMT

<u>Compounded SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
0.01000%	(3.1)%	(7.0)%	(10.7)%	(14.5)%

Sensitivity of Class YI to Prepayments
Assumed Price 3.30000%*
5.07500% One-Year CMT

<u>Compounded SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
6.05000%	(52.8)%	(55.1)%	(57.3)%	(59.6)%

Sensitivity of Class YI to Prepayments
Assumed Price 3.30000%*
10.08000% One-Year CMT

<u>Compounded SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
12.09000%	(53.5)%	(55.8)%	(58.1)%	(60.4)%

* The price does not include accrued interest. Accrued interest has been added to the price in calculating the yields set forth in the table above.

SECURITY GROUPS 12 AND 14
Sensitivity of Class MI to Prepayments
Assumed Price 3.30000%*
0.07000% One-Year CMT

<u>Compounded SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
0.01000%	0.3%	(3.4)%	(7.0)%	(10.5)%

Sensitivity of Class MI to Prepayments
Assumed Price 3.30000%*
5.07500% One-Year CMT

<u>Compounded SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
6.05000%	(50.2)%	(52.5)%	(54.7)%	(57.0)%

Sensitivity of Class MI to Prepayments
Assumed Price 3.30000%*
10.08000% One-Year CMT

<u>Compounded SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
12.09000%	(50.2)%	(52.5)%	(54.7)%	(57.0)%

* The price does not include accrued interest. Accrued interest has been added to the price in calculating the yields set forth in the table above.

SECURITY GROUP 15
Sensitivity of Class JI to Prepayments
Assumed Price 3.00000%*
0.07000% One-Year CMT

<u>Compounded SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
0.01000%	1.5%	(2.1)%	(5.7)%	(9.2)%

Sensitivity of Class JI to Prepayments
Assumed Price 3.00000%*
5.07500% One-Year CMT

<u>Compounded SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
6.05000%	(48.1)%	(50.4)%	(52.7)%	(55.1)%

Sensitivity of Class JI to Prepayments
Assumed Price 3.00000%*
10.08000% One-Year CMT

<u>Compounded SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
12.09000%	(48.1)%	(50.4)%	(52.7)%	(55.1)%

* The price does not include accrued interest. Accrued interest has been added to the price in calculating the yields set forth in the table above.

SECURITY GROUP 16
Sensitivity of Class LI to Prepayments
Assumed Price 7.50000*

PPC Prepayment Assumption Rates			
75%	100%	125%	150%
9.9%	3.4%	(3.0)%	(9.4)%

SECURITY GROUP 17
Sensitivity of Class IL to Prepayments
Assumed Price 7.75000*

PPC Prepayment Assumption Rates			
75%	100%	125%	150%
13.4%	7.4%	1.4%	(4.4)%

* The price does not include accrued interest. Accrued interest has been added to the price in calculating the yields set forth in the table above.

CERTAIN UNITED STATES FEDERAL INCOME TAX CONSEQUENCES

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

REMIC Elections

In the opinion of Cleary Gottlieb Steen & Hamilton LLP, the Trust will constitute a Double REMIC Series as to the Group 1 Trust Assets, a Double REMIC Series as to the Group 2 through 12 and 15 through 17 Trust Assets, a Double REMIC Series as to the Group 13 Trust Assets and a Double REMIC Series as to the Group 14 Trust Assets, each for United States federal income tax purposes. Separate REMIC elections will be made for the Group 1 Issuing REMIC, the Group 1 Pooling REMIC, the Group 2 through 12 and 15 through 17 Issuing REMIC, the Group 2 through 12 and 15 through 17 Pooling REMIC, the Group 13 Issuing REMIC, the Group 13 Pooling REMIC, the Group 14 Issuing REMIC and the Group 14 Pooling REMIC.

Regular Securities

The Regular Securities will be treated as debt instruments issued by the Group 1 Issuing REMIC, the Group 2 through 12 and 15 through 17 Issuing REMIC, the Group 13 Issuing REMIC and the Group 14 Issuing REMIC, as applicable, for United States federal income tax purposes. Income on the Regular Securities must be reported under an accrual method of accounting.

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

The prepayment assumption that should be used, among other things, in determining the rates of accrual of OID on the Regular Securities is 100% PPC (as described in “Yield, Maturity and Prepayment Considerations” in this Supplement). In the case of the Floating Rate Classes, the interest rate values to be used for these determinations are the initial Interest Rates as set forth in the Terms Sheet under “Interest Rates.” No representation is made, however, about the rate at which prepayments on the HECMs underlying any Group of Participations actually will occur or the level of One-Month LIBOR, One-Year LIBOR, Compounded SOFR or One-Year CMT at any time after the date of this Supplement. See “*Certain United States Federal Income Tax Consequences*” in the Base Offering Circular. In view of the complexities as to the manner of inclusion in income of OID on the Regular Securities, investors should consult their own tax advisors to determine the appropriate amount and method of inclusion in income of OID on the Regular Securities for United States federal income tax purposes.

The Regular Securities generally will be treated as “regular interests” in a REMIC for domestic building and loan associations and “real estate assets” for real estate investment trusts (“REITs”) as described in “Certain United States Federal Income Tax Consequences” in the Base Offering Circular. Similarly, interest on the Regular Securities will be considered “interest on obligations secured by mortgages on real property” for REITs as described in “Certain United States Federal Income Tax Consequences” in the Base Offering Circular.

Residual Securities

The Class RR Securities will represent the beneficial ownership of the Residual Interest in the Group 2 through 12 and 15 through 17 Pooling REMIC and the beneficial ownership of the Residual Interest in the Group 2 through 12 and 15 through 17 Issuing REMIC. The Class RR1 Securities will represent the beneficial ownership of the Residual Interest in the Group 1 Pooling REMIC and the beneficial ownership of the Residual Interest in the Group 1 Issuing REMIC. The Class RR13 Securities will represent the beneficial ownership of the Residual Interest in the Group 13 Pooling REMIC and the beneficial ownership of the Residual Interest in the Group 13 Issuing REMIC. The Class RR14 Securities will represent the beneficial

ownership of the Residual Interest in the Group 14 Pooling RMIC and the beneficial ownership of the Residual Interest in the Group 14 Issuing REMIC. The Residual Securities, i.e., the Class RR, RR1, RR13 and RR14 Securities, generally will be treated as “residual interests” in a REMIC for domestic building and loan associations and as “real estate assets” for REITs, as described in “Certain United States Federal Income Tax Consequences” in the Base Offering Circular, but will not be treated as debt for United States federal income tax purposes. Instead, the Holders of the Residual Securities will be required to report, and will be taxed on, their pro rata shares of the taxable income or loss of the related Trust REMICs, and these requirements will continue until there are no outstanding regular interests in the respective Trust REMICs. Thus, Residual Holders will have taxable income attributable to the Residual Securities even though they will not receive principal or interest distributions with respect to the Residual Securities, which could result in a negative after-tax return for the Residual Holders. Even though the Holders of the Residual Securities are not entitled to any stated principal or interest payments on the Residual Securities, the related Trust REMICs may have substantial taxable income in certain periods, and offsetting tax losses may not occur until much later periods. Accordingly, the Holders of the Residual Securities may experience substantial adverse tax timing consequences. Prospective investors are urged to consult their own tax advisors and consider the after-tax effect of ownership of the Residual Securities and the suitability of the Residual Securities to their investment objectives.

Prospective Holders of Residual Securities should be aware that, at issuance, based on the expected prices of the Regular and Residual Securities and the prepayment assumption described above, the residual interests represented by the Residual Securities will be treated as “noneconomic residual interests” as that term is defined in Treasury regulations.

OID accruals on the Underlying Certificates will be computed using the same prepayment assumptions as set forth under “Certain Federal Income Tax Consequences — Regular Securities” in this Supplement.

MX Securities

For a discussion of certain United States federal income tax consequences applicable to the MX Classes, see “Certain United States Federal Income Tax Consequences — Tax Treatment of MX Securities,” “— Exchanges of MX Classes and Regular Classes” and “— Taxation of Foreign Holders of REMIC Securities and MX Securities” in the Base Offering Circular.

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

ERISA MATTERS

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

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

Governmental plans and certain church plans, while not subject to the fiduciary responsibility provisions of ERISA or the prohibited transaction provisions of ERISA and the Code, may nevertheless be subject to local, state or other federal laws that are substantially similar to the foregoing provisions of ERISA and the Code (“Similar Law”).

Fiduciaries of any such Plans or governmental or church plans subject to Similar Law should consult with their counsel before purchasing any of the Securities.

See “ERISA Considerations” in the Base Offering Circular.

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

LEGAL INVESTMENT CONSIDERATIONS

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

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

See “Legal Investment Considerations” in the Base Offering Circular.

PLAN OF DISTRIBUTION

Subject to the terms and conditions of the Sponsor Agreement, the Sponsor has agreed to purchase all of the Securities if any are sold and purchased. The Sponsor proposes to offer the Regular and MX Classes to the public from time to time for sale in negotiated transactions at varying prices to be determined at the time of sale, plus accrued interest from (1) September 1, 2021 on the Fixed Rate and Delay Classes and (2) September 20, 2021 on the Floating Rate Classes. The Sponsor may effect these transactions by sales to or through certain securities dealers. These dealers may receive compensation in the form of discounts, concessions or commissions from the Sponsor and/or commissions from any purchasers for which they act as agents. Some of the Securities may be sold through dealers in relatively small sales. In the usual case, the commission charged on a relatively small sale of securities will be a higher percentage of the sales price than that charged on a large sale of securities.

INCREASE IN SIZE

Before the Closing Date, Ginnie Mae, the Trustee and the Sponsor may agree to increase the size of this offering. In that event, the Securities will have the same characteristics as described in this Supplement, except that the Original Class Principal Balance (or original Class Notional Balance) of each Class receiving principal distributions or interest distributions based upon a notional balance from the same Trust Asset Group will increase by the same proportion. The Trust Agreement, the Final Data Statement and the Supplemental Statement, if any, will reflect any increase in the size of the transaction.

LEGAL MATTERS

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

Available Combinations(1)

Class	REMIC Securities		MX Securities					Final Distribution Date(4)
	Original Class Principal or Notional Balance	Related MX Class	Maximum Original Class Principal or Notional Balance(2)	Principal Type(3)	Interest Rate	Interest Type(3)	CUSIP Number	
Security Groups 2 and 3								
Combination 1(6)								
AF	\$ 8,264,834	QF	\$ 23,294,871	HPT	(5)	FLT/HWAC/HZ	38382YFF5	September 2071
FB	15,030,037							
Security Groups 2 and 4								
Combination 2(6)								
IA	\$ 8,264,834	QI	\$ 28,364,580	NTL(HPT)	(5)	HWAC/IO/DLY	38382YFG3	September 2071
IB	20,099,746							
Security Groups 2, 3, 4, 5 and 9								
Combination 3(6)								
BI	\$15,030,037	IO	\$ 84,258,861	NTL(HPT)	(5)	HWAC/IO/DLY	38382YFH1	September 2071
CI	20,009,484							
EI	20,854,760							
IA	8,264,834							
IB	20,099,746							
Security Groups 3, 5 and 9								
Combination 4(6)								
BI	\$15,030,037	IQ	\$ 55,894,281	NTL(HPT)	(5)	HWAC/IO/DLY	38382YFJ7	September 2071
CI	20,009,484							
EI	20,854,760							
Security Groups 8 and 9								
Combination 5(6)								
DF	\$11,415,033	FQ	\$ 32,269,793	HPT	(5)	FLT/HWAC/HZ	38382YFK4	August 2071
FE	20,854,760							
Security Groups 6 and 10								
Combination 6(6)								
IC	\$31,432,886	IY	\$ 73,443,615	NTL(HPT)	(5)	HWAC/IO/DLY	38382YFL2	September 2071
IE	42,010,729							
Security Groups 7, 8 and 11								
Combination 7(6)								
DI	\$10,071,159	IN	\$ 44,748,423	NTL(HPT)	(5)	HWAC/IO/DLY	38382YFM0	September 2071
GI	23,262,231							
ID	11,415,033							

REMIC Securities			MX Securities					
Class	Original Class Principal or Notional Balance	Related MX Class	Maximum Original Class Principal or Notional Balance(2)	Principal Type(3)	Interest Rate	Interest Type(3)	CUSIP Number	Final Distribution Date(4)
Security Groups 8 and 11 Combination 8(6)								
GI	\$23,262,231	NI	\$ 34,677,264	NTL(HIPT)	(5)	HWAC/IO/DLY	38382YFN8	September 2071
ID	11,415,033							
Security Groups 12 and 13 Combination 9(6)								
HI	\$51,421,699	IM	\$ 76,421,699	NTL(HIPT)	(5)	HWAC/IO/DLY	38382YFP3	September 2071
IG	25,000,000							
Security Groups 12 and 14 Combination 10(6)								
IG	\$25,000,000	MI	\$ 75,000,000	NTL(HIPT)	(5)	HWAC/IO/DLY	38382YFQ1	September 2071
IH	50,000,000							
Security Groups 12, 13 and 14 Combination 11(6)								
HI	\$51,421,699	YI	\$126,421,699	NTL(HIPT)	(5)	HWAC/IO/DLY	38382YFR9	September 2071
IG	25,000,000							
IH	50,000,000							
Security Group 16 Combination 12								
LD	\$ 7,526,746	YD(7)	\$ 7,526,746	SC/HSEQ	(5)	HWAC/HZ/DLY	38382YFS7	June 2071
LI	22,580,238							
Security Group 17 Combination 13								
DL	\$ 5,320,190	DY(8)	\$ 5,320,190	SC/HSEQ	(5)	HWAC/HZ/DLY	38382YFT5	August 2071
IL	15,960,569							

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

(2) The amount shown for each MX Class represents the maximum Original Class Principal Balance or original Class Notional Balance of that Class, assuming it were to be issued on the Closing Date.

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

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

(5) The Interest Rate will be calculated as described under "Terms Sheet — Interest Rates" in this Supplement.

(6) Derived from REMIC Classes relating to separate Groups.

- (7) The Class Principal Balance of Class YD will increase or decrease, as applicable, with 100% of the sum of (a) 100% of the Class LD Principal Balance and (b) 100% of the Class LI Deferred Interest Amount.
- (8) The Class Principal Balance of Class DY will increase or decrease, as applicable, with 100% of the sum of (a) 100% of the Class DL Principal Balance and (b) 100% of the Class IL Deferred Interest Amount.

Assumed Characteristics of the HECMs and the Participations Underlying the Group 2 through 15 and Subgroup 16A and 17A Trust Assets(1)

Group	Payment Plan	Percentage of Pool in Trust	HECM MBS Balance(\$)	HECM Loan Balance	Weighted Average HECM (in months)(3)	HECM Type	Index	Rate Reset Frequency(4)	Approximate Weighted Average Next Rate Month(5)	Approximate Weighted Average Rate(6)	Approximate Weighted Average Rate Floor(8)	Approximate Weighted Average Life Interest Cap(9)	Approximate Weighted Average Marginal(1)	Monthly Servicing Fee(12)	Initial Monthly Draw(14)	Subsequent Monthly Draw(14)	Approximate Remaining Term in months(15)	Initial Available Credit(16)	Available Credit(17)	Maximum Amount(18)	Pool Number	HECM MBS Date
2	Line of Credit	100%	\$ 8,013,512.49	\$ 8,022,609.93	2	RLT	1-year CMT	Monthly	1	2.020%	1.939%	7.018%	0.500%	0.500%	(1)	(1)	(1)	\$ 1,140,180.45	\$ 3,518,439.51	\$ 19,700,625.00	CB9854	August 2021
2	Modified Tenure	100%	256,821.49	250,009.31	2	RLT	1-year CMT	Monthly	1	2.080%	2.000%	7.080%	0.500%	0.500%	(2)	(2)	(2)	\$ 7,375.00	\$ 5,672.28	\$ 415,000.00	CB9854	August 2021
3	Line of Credit	100%	14,607,278.13	14,607,278.13	0	RLT	1-year CMT	Monthly	1	2.023%	1.944%	12.018%	0.500%	0.500%	(1)	(1)	(1)	546,688.81	3,593,562.69	30,214,200.00	CB9337	September 2021
3	Modified Tenure	100%	48,592.42	48,592.42	0	RLT	1-year CMT	Monthly	1	2.330%	2.250%	12.330%	0.500%	0.500%	(2)	(2)	(2)	162,487.58	162,623.69	525,000.00	CB9337	September 2021
3	Modified Term	100%	503,684.69	503,684.69	1	RLT	1-year CMT	Monthly	1	2.119%	2.014%	12.084%	0.500%	0.500%	(2)	(2)	(2)	52,641.51	119,281.02	1,680,000.00	CB9337	September 2021
3	Tenure	100%	70,481.76	70,481.76	0	RLT	1-year CMT	Monthly	1	1.500%	1.375%	11.440%	0.500%	0.500%	(2)	(2)	(2)	0.00	0.00	225,000.00	CB9337	September 2021
4	Line of Credit	100%	19,038,713.74	19,038,713.74	0	RLT	1-year CMT	Monthly	1	2.072%	1.983%	7.056%	0.500%	0.500%	(1)	(1)	(1)	1,305,476.84	6,461,068.68	44,572,500.00	CB9325	September 2021
4	Modified Tenure	100%	95,091.89	95,091.89	0	RLT	1-year CMT	Monthly	1	2.500%	2.375%	7.440%	0.500%	0.500%	(2)	(2)	(2)	66,999.22	68,099.88	538,000.00	CB9325	September 2021
4	Modified Term	100%	721,969.66	721,969.66	0	RLT	1-year CMT	Monthly	1	2.168%	2.066%	7.111%	0.500%	0.500%	(2)	(2)	(2)	6,677.73	67,544.20	1,943,675.00	CB9325	September 2021
4	Tenure	100%	243,970.71	243,970.71	1	RLT	1-year CMT	Monthly	1	2.500%	2.375%	7.450%	0.500%	0.500%	(2)	(2)	(2)	527.83	5,278.33	690,000.00	CB9325	September 2021
5	Line of Credit	100%	19,662,014.76	19,662,014.76	0	RLT	1-year CMT	Monthly	1	2.192%	2.096%	12.171%	0.500%	0.500%	(1)	(1)	(1)	28,618.90	3,595,455.14	41,242,925.00	CB9326	September 2021
5	Modified Tenure	100%	255,385.52	255,385.52	0	RLT	1-year CMT	Monthly	1	1.799%	1.709%	11.779%	0.500%	0.500%	(2)	(2)	(2)	25,528.85	81,765.37	837,000.00	CB9326	September 2021
5	Modified Term	100%	92,983.72	92,983.72	0	RLT	1-year CMT	Monthly	1	3.955%	3.875%	13.950%	0.500%	0.500%	(2)	(2)	(2)	0.00	1,081.32	350,000.00	CB9326	September 2021
6	Line of Credit	100%	31,226,865.17	31,226,865.17	0	RLT	1-year CMT	Monthly	1	2.057%	1.983%	7.153%	0.500%	0.500%	(1)	(1)	(1)	1,073,016.04	8,135,366.60	67,748,575.00	CB9807	September 2021
6	Modified Tenure	100%	78,386.11	78,386.11	0	RLT	1-year CMT	Monthly	1	2.570%	2.500%	7.570%	0.500%	0.500%	(2)	(2)	(2)	604.17	6,041.72	725,000.00	CB9807	September 2021
6	Term	100%	11,824.05	11,824.05	0	RLT	1-year CMT	Monthly	1	4.200%	4.130%	9.200%	0.500%	0.500%	(2)	(2)	(2)	0.00	0.00	190,000.00	CB9807	September 2021
6	Tenure	100%	115,810.67	115,810.67	0	RLT	1-year CMT	Monthly	1	2.800%	2.730%	7.200%	0.500%	0.500%	(2)	(2)	(2)	0.00	0.00	690,000.00	CB9807	September 2021
7	Line of Credit	100%	9,564,573.82	9,564,573.82	0	RLT	1-year CMT	Monthly	1	1.880%	1.797%	6.874%	0.500%	0.500%	(1)	(1)	(1)	573,398.10	3,104,995.15	21,817,275.00	CB9338	September 2021
7	Modified Tenure	100%	47,786.30	47,786.30	0	RLT	1-year CMT	Monthly	1	1.800%	1.500%	6.580%	0.500%	0.500%	(2)	(2)	(2)	40,669.33	750,000.00	1,000,000.00	CB9338	September 2021
7	Modified Term	100%	480,798.88	480,798.88	0	RLT	1-year CMT	Monthly	1	2.000%	1.875%	6.950%	0.500%	0.500%	(2)	(2)	(2)	0.00	906.59	824,375.00	CB9338	September 2021
8	Line of Credit	100%	11,595,607.49	11,403,757.24	2	RLT	1-year CMT	Monthly	1	2.185%	2.104%	12.183%	0.500%	0.500%	(1)	(1)	(1)	431,694.97	1,781,576.32	23,770,345.00	CG2465	August 2021
8	Term	100%	19,425.66	19,425.66	2	RLT	1-year CMT	Monthly	1	2.800%	2.500%	7.800%	0.500%	0.500%	(2)	(2)	(2)	2,537.75	2,537.75	39,500,000.00	CG2465	August 2021
9	Line of Credit	100%	20,445,116.16	20,529,462.15	2	RLT	1-year CMT	Monthly	1	2.244%	2.139%	12.216%	0.500%	0.500%	(1)	(1)	(1)	970,335.93	3,622,208.23	42,114,990.00	CG5994	August 2021
9	Modified Term	100%	496,644.73	410,431.57	2	RLT	1-year CMT	Monthly	1	2.765%	2.683%	12.757%	0.500%	0.500%	(2)	(2)	(2)	1,500.00	38,722.62	853,000.00	CG5994	August 2021
10	Line of Credit	100%	19,660,009.70	19,660,009.70	0	RLT	1-year CMT	Monthly	1	1.957%	1.883%	6.958%	0.500%	0.500%	(1)	(1)	(1)	929,220.58	5,097,409.71	44,307,375.00	CG2466	September 2021
10	Modified Tenure	100%	62,425.29	62,425.29	0	RLT	1-year CMT	Monthly	1	1.915%	1.875%	6.910%	0.500%	0.500%	(2)	(2)	(2)	0.00	31,102.66	512,000.00	CG2466	September 2021
10	Modified Term	100%	288,027.10	288,027.10	0	RLT	1-year CMT	Monthly	1	2.145%	2.058%	7.143%	0.500%	0.500%	(2)	(2)	(2)	5,153.01	99,058.88	1,855,000.00	CG2466	September 2021
10	Tenure	100%	97,665.91	97,665.91	0	RLT	1-year CMT	Monthly	1	1.915%	1.875%	6.910%	0.500%	0.500%	(2)	(2)	(2)	0.00	0.00	365,000.00	CG2466	September 2021
10	Line of Credit	100%	21,103,553.95	21,103,553.95	0	RLT	1-year CMT	Monthly	1	1.970%	1.902%	6.973%	0.500%	0.500%	(1)	(1)	(1)	566,490.57	5,214,056.46	46,103,575.00	CG2473	September 2021
10	Modified Tenure	100%	19,728.10	19,728.10	0	RLT	1-year CMT	Monthly	1	2.070%	2.000%	7.070%	0.500%	0.500%	(2)	(2)	(2)	57,456.90	162,735.72	575,000.00	CG2473	September 2021
10	Modified Term	100%	229,620.41	229,620.41	0	RLT	1-year CMT	Monthly	1	2.000%	2.000%	7.070%	0.500%	0.500%	(2)	(2)	(2)	34,790.83	44,879.46	712,000.00	CG2473	September 2021
10	Tenure	100%	574,900.54	574,900.54	0	RLT	1-year CMT	Monthly	1	1.820%	1.750%	6.820%	0.500%	0.500%	(2)	(2)	(2)	0.00	0.00	753,000.00	CG2473	September 2021
11	Line of Credit	100%	22,224,817.28	22,224,817.28	0	RLT	1-year CMT	Monthly	1	2.122%	2.039%	12.113%	0.500%	0.500%	(1)	(1)	(1)	663,926.17	4,487,679.69	47,599,975.00	CG2474	September 2021
11	Modified Term	100%	561,440.45	561,440.45	0	RLT	1-year CMT	Monthly	1	1.986%	1.916%	11.886%	0.500%	0.500%	(2)	(2)	(2)	20,692.48	20,758.21	1,865,375.00	CG2474	September 2021
11	Term	100%	475,972.77	475,972.77	1	RLT	1-year CMT	Monthly	1	1.530%	1.460%	11.510%	0.500%	0.500%	(2)	(2)	(2)	0.00	0.00	800,000.00	CG2474	September 2021
12	Line of Credit	72.1087956798%	16,825,673.98	16,825,673.98	1	RLT	1-year CMT	Monthly	1	2.008%	1.931%	7.006%	0.500%	0.500%	(1)	(1)	(1)	1,145,018.81	5,577,122.77	39,130,269.00	CG6174	September 2021
12	Modified Tenure	72.1087956798%	260,355.66	260,355.66	0	RLT	1-year CMT	Monthly	1	2.205%	2.129%	7.205%	0.500%	0.500%	(2)	(2)	(2)	35,744.34	126,943.52	700,000.00	CG6174	September 2021
12	Modified Term	72.1087956798%	40,895.71	40,895.71	0	RLT	1-year CMT	Monthly	1	1.611%	1.539%	6.613%	0.500%	0.500%	(2)	(2)	(2)	20,443.35	93,902.04	1,977,575.00	CG6174	September 2021
12	Tenure	72.1087956798%	29,674.65	29,674.65	0	RLT	1-year CMT	Monthly	1	1.915%	1.865%	6.915%	0.500%	0.500%	(2)	(2)	(2)	0.00	0.00	905,000.00	CG6174	September 2021
12	Line of Credit	100%	12,017,251.09	12,017,251.09	0	RLT	1-year CMT	Monthly	1	1.991%	1.912%	6.985%	0.500%	0.500%	(1)	(1)	(1)	1,056,115.64	4,735,874.49	28,019,000.00	CG6520	September 2021
12	Modified Term	100%	157,766.91	157,766.91	0	RLT	1-year CMT	Monthly	1	2.070%	2.000%	7.070%	0.500%	0.500%	(2)	(2)	(2)	0.00	0.00	1,377,575.00	CG6520	September 2021
13	Line of Credit	100%	14,627,021.63	14,627,021.63	0	RLT	1-year CMT	Monthly	1	1.782%	1.697%	6.773%	0.500%	0.500%	(1)	(1)	(1)	721,186.74	4,926,918.52	33,014,675.00	CG9335	September 2021
13	Modified Term	100%	385,951.37	385,951.37	0	RLT	1-year CMT	Monthly	1	1.860%	1.776%	6.850%	0.500%	0.500%	(2)	(2)	(2)	2,234.51	2,234.51	77,000,000.00	CG9335	September 2021
13	Line of Credit	100%	18,840,755.24	18,840,755.24	0	RLT	1-year CMT	Monthly	1	1.735%	1.735%	11.812%	0.500%	0.500%	(1)	(1)	(1)	750,396.53	5,491,861.18	41,308,575.00	CG9335	September 2021
13	Modified Tenure	100%	256,090.70	256,090.70	0	RLT	1-year CMT	Monthly	1	1.560%	1.480%	6.480%	0.500%	0.500%	(2)	(2)	(2)	208.76	208.76	474,000.00	CG9335	September 2021
13	Modified Term	100%	419,429.06	419,429.06	0	RLT	1-year CMT	Monthly	1	2.068%	1.984%	12.068%	0.500%	0.500%	(2)	(2)	(2)	205,363.88	224,971.52	2,008,000.00	CG9335	September 2021
13	Line of Credit	27.8912611202%	16,825,673.98	16,825,673.98	0	RLT	1-year CMT	Monthly	1	1.931%	1.931%	7.006%	0.500%	0.500%	(1)	(1)	(1)	1,145,018.81	5,577,122.77	39,130,269.00	CG6174	September 2021

Group	Payment Plan	Percentage of Pool in Trust (%)	HECM MBS Balance (B)	HECM Loan Balance	Approximate Weighted Average Life (in months)(C)	HECM Type	Index	Rate Reset Frequency (Y)	Approximate Weighted Average Next Rate (Months)(F)	Approximate Weighted Average Gross Margin (G)	Approximate Weighted Average Life Interest Rate (Floor)(H)	Approximate Weighted Average Life Interest Rate (Cap)(I)	Approximate Weighted Average Servicing Margin (J)	Monthly Fee (K)	Initial Monthly Draw (L)	Subsequent Monthly Draw (M)	Approximate Weighted Average Remaining Months (N)	Initial Available Credit (O)	Available Credit (P)	Maximum Amount (R)	Pool Number	HECM MBS Date	
15	Modified Tenure	27,891,201.1202%	\$ 263,555.66	\$ 263,555.66	0	RT	1-year CMT	Monthly	1	2.285%	2.125%	7.203%	0.500%	0.500%	(2)	\$ 1,000.00	\$ 1,000.00	(2)	\$ 57,743.34	\$ 126,943.52	\$ 700,000.00	CE517	September 2021
13	Modified Term	401,895.71	401,895.71	401,895.71	0	RT	1-year CMT	Monthly	1	1.611%	1.535%	6.613%	0.500%	0.500%	(2)	4,500.00	4,500.00	(2)	20,143.35	93,932.04	1,597,575.00	CE517	September 2021
13	Tenure	27,891,201.1202%	29,674.65	29,674.65	0	RT	1-year CMT	Monthly	1	1.945%	1.859%	6.918%	0.500%	0.500%	(2)	1,856.31	1,856.31	(2)	0.00	0.00	905,000.00	CE517	September 2021
13	Line of Credit	100%	11,476,462.53	11,476,462.53	0	RT	1-year CMT	Monthly	1	1.731%	1.731%	11.804%	0.500%	0.500%	(2)	1,000.00	1,000.00	(2)	611,384.16	3,476,113.90	25,881,250.00	CE519	September 2021
13	Modified Term	100%	455,370.47	455,370.47	0	RT	1-year CMT	Monthly	1	1.852%	1.776%	11.848%	0.500%	0.500%	(2)	6,343.89	6,343.89	36	121,583.91	334,772.06	1,540,000.00	CE519	September 2021
14	Line of Credit	64,242,414.587%	34,214,565.70	34,214,565.70	0	RT	1-year CMT	Monthly	1	2.224%	2.145%	7.224%	0.500%	0.500%	(2)	1,000.00	1,000.00	(2)	4,320,265.01	15,393,228.83	88,067,850.00	CE519	September 2021
14	Modified Term	64,242,414.587%	93,171.88	93,171.88	0	RT	1-year CMT	Monthly	1	1.925%	1.853%	6.927%	0.500%	0.500%	(2)	3,816.24	3,816.24	87	29,879.60	66,675.86	64,000.00	CE517	September 2021
14	Term	64,242,414.587%	26,369.74	26,369.74	0	RT	1-year CMT	Monthly	1	3.540%	3.466%	8.510%	0.500%	0.500%	(2)	2,552.24	2,552.24	110	0.00	0.00	460,000.00	CE517	September 2021
14	Tenure	64,242,414.587%	195,226.68	195,226.68	0	RT	1-year CMT	Monthly	1	1.920%	1.846%	6.920%	0.500%	0.500%	(2)	799.43	799.43	(2)	0.00	0.00	50,000.00	CE517	September 2021
14	Line of Credit	100%	27,230,844.61	27,230,844.61	0	RT	1-year CMT	Monthly	1	1.978%	1.906%	6.994%	0.500%	0.500%	(2)	1,000.00	1,000.00	(2)	2,329,629.99	10,098,912.04	62,868,750.00	CG872	September 2021
14	Modified Term	100%	495,001.17	495,001.17	0	RT	1-year CMT	Monthly	1	1.910%	1.831%	6.910%	0.500%	0.500%	(2)	1,000.00	1,000.00	24	48.20	1,999.89	19,423,750.00	CG872	September 2021
14	Term	100%	91,242.22	91,242.22	0	RT	1-year CMT	Monthly	1	2.307%	2.250%	7.330%	0.500%	0.500%	(2)	951.61	951.61	170	0.00	0.00	907,000.00	CG872	September 2021
15	Line of Credit	20,733,400.258%	16,774,666.42	16,887,719.95	2	RT	1-year CMT	Monthly	1	2.157%	2.076%	7.156%	0.500%	0.500%	(2)	1,000.00	1,000.00	(2)	1,656,430.20	6,226,527.52	41,205,860.00	CE596	August 2021
15	Modified Tenure	20,733,400.258%	30,665.54	30,665.54	2	RT	1-year CMT	Monthly	1	2.280%	2.200%	7.280%	0.500%	0.500%	(2)	1,666.80	1,666.80	(2)	(22)	0.04	320,000.00	CE596	August 2021
15	Modified Term	20,733,400.258%	54,818.34	54,818.34	2	RT	1-year CMT	Monthly	1	2.090%	1.976%	7.090%	0.500%	0.500%	(2)	1,000.00	1,000.00	106	3,266.81	3,270.48	699,000.00	CE596	August 2021
15	Tenure	20,733,400.258%	100,040.12	100,040.12	0	RT	1-year CMT	Monthly	1	2.500%	2.500%	7.500%	0.500%	0.500%	(2)	314.23	314.23	(2)	0.00	0.00	353,000.00	CE596	August 2021
15	Line of Credit	20,733,402.619%	34,203,895.78	34,203,895.78	0	RT	1-year CMT	Monthly	1	2.273%	2.196%	7.273%	0.500%	0.500%	(2)	1,000.00	1,000.00	(2)	3,241,347.86	15,320,863.86	88,889,225.00	CE518	September 2021
15	Modified Term	20,733,402.619%	618,594.22	618,594.22	0	RT	1-year CMT	Monthly	1	2.249%	2.128%	7.196%	0.500%	0.500%	(2)	2,954.48	2,954.48	84	43,373.48	49,334.07	1,532,575.00	CE518	September 2021
15	Line of Credit	18,807,326.747%	36,307,162.49	36,307,162.49	0	RT	1-year CMT	Monthly	1	2.248%	2.176%	7.246%	0.500%	0.500%	(2)	1,000.00	1,000.00	(2)	3,900,908.80	15,116,061.12	91,886,320.00	CE519	September 2021
15	Modified Tenure	18,807,326.747%	203,306.51	203,306.51	1	RT	1-year CMT	Monthly	1	2.255%	2.100%	7.176%	0.500%	0.500%	(2)	1,084.59	1,084.59	(2)	184,434.95	353,306.50	1,113,000.00	CE519	September 2021
15	Line of Credit	18,807,324.929%	54,744,224.82	54,744,224.82	0	RT	1-year CMT	Monthly	1	2.305%	2.227%	7.305%	0.500%	0.500%	(2)	1,000.00	1,000.00	(2)	2,307,545.24	12,695,436.59	86,353,217.00	CE520	September 2021
15	Modified Tenure	18,807,324.929%	107,528.09	107,528.09	0	RT	1-year CMT	Monthly	1	2.197%	2.117%	7.197%	0.500%	0.500%	(2)	956.60	956.60	(2)	218,391.91	419,420.44	718,000.00	CE520	September 2021
15	Modified Term	18,807,324.929%	544,179.04	544,179.04	0	RT	1-year CMT	Monthly	1	2.544%	2.466%	7.544%	0.500%	0.500%	(2)	4,300.00	4,300.00	127	201,354.75	219,109.00	2,324,575.00	CE520	September 2021
15	Term	18,807,324.929%	113,716.18	113,716.18	0	RT	1-year CMT	Monthly	1	2.921%	2.841%	7.921%	0.500%	0.500%	(2)	8,104.31	8,104.31	185	0.00	0.00	1,257,575.00	CE520	September 2021
15	Tenure	18,807,324.929%	134,758.87	134,758.87	0	RT	1-year CMT	Monthly	1	1.600%	1.610%	6.600%	0.500%	0.500%	(2)	441.07	441.07	(2)	0.00	0.00	420,000.00	CE520	September 2021
15	Line of Credit	18,807,323.741%	16,569,848.89	16,569,848.89	0	RT	1-year CMT	Monthly	1	2.884%	2.804%	7.079%	0.500%	0.500%	(2)	1,000.00	1,000.00	(2)	757,986.16	5,337,377.54	37,666,275.00	CE593	September 2021
15	Modified Term	18,807,323.741%	354,181.11	354,181.11	0	RT	1-year CMT	Monthly	1	2.151%	2.058%	7.150%	0.500%	0.500%	(2)	3,355.00	3,355.00	171	41,509.53	60,277.61	1,373,000.00	CE593	September 2021
16A	Lump Sum	44,222,818.647%	2,188,976.50	2,188,976.50	5	FIX	N/A	N/A	N/A	N/A	N/A	N/A	0.500%	0.500%	(2)	0.00	0.00	(2)	0.00	0.00	4,125,750.00	BC0619	May 2021
16A	Lump Sum	22,899,603.275%	20,043,256.77	20,043,256.77	5	FIX	N/A	N/A	N/A	N/A	N/A	N/A	0.500%	0.500%	(2)	0.00	0.00	(2)	0.00	0.00	36,179,522.00	CA6882	May 2021
16A	Lump Sum	39,099,614.321%	8,575,292.01	8,575,292.01	5	FIX	N/A	N/A	N/A	N/A	N/A	N/A	0.500%	0.500%	(2)	0.00	0.00	(2)	0.00	0.00	15,907,734.00	CD9360	May 2021
16A	Lump Sum	46,272,623.651%	15,166,275.40	15,166,275.40	4	FIX	N/A	N/A	N/A	N/A	N/A	N/A	0.500%	0.500%	(2)	0.00	0.00	(2)	0.00	0.00	26,800,211.00	CE1541	June 2021
16A	Lump Sum	44,226,181.689%	12,823,106.42	12,826,854.21	5	FIX	N/A	N/A	N/A	N/A	N/A	N/A	0.500%	0.500%	(2)	0.00	0.00	(2)	0.00	0.00	22,344,681.00	CE1548	May 2021
17A	Lump Sum	100%	15,236,445.43	15,269,319.49	2	FIX	N/A	N/A	N/A	N/A	N/A	N/A	0.500%	0.500%	(2)	0.00	0.00	(2)	0.00	0.00	27,925,650.00	CE595	August 2021

- The information in this Exhibit A is provided by the Sponsor as of September 1, 2021. It is based on information regarding the HECM MBS, the related Participations and the HECMs related to the Participations underlying the Group 2 through 16A and Subgroup 16A and 17A HECM MBS Trust Assets. All weighted averages provided in this Exhibit A are weighted based on the outstanding principal amounts of the Participations underlying the related HECM MBS for such payment plan as of September 1, 2021. The information shown in this Exhibit A is for 100% of the relevant pool; however, the Trust Assets will include only the portion of each pool listed under the column heading "Percentage of Pool in Trust."
- The HECM MBS Principal Balance is the sum of the outstanding principal amounts of the Participations underlying the related HECM MBS for such payment plan as of September 1, 2021.
- The Approximate Weighted Average HECM Age (in months) is the weighted average age of the HECMs related to the Participations underlying the related HECM MBS for such payment plan as of September 1, 2021.
- The Rate Reset Frequency is a period, whether annually or monthly, that the interest rate of each adjustable rate HECM resets under the interest rate formula and HECM loan documents applicable to each adjustable rate HECM.
- The Approximate Weighted Average Next Rate Reset Month is the weighted average number of months until the interest rate of each adjustable rate HECM resets under the interest rate formula and HECM loan documents applicable to each adjustable rate HECM. For example, an entry of "1" signifies that the Approximate Weighted Average Next Rate Reset Month for the adjustable rate HECM's rate is the first day of October 2021.
- The Approximate Weighted Average Gross Interest Rate is the weighted average of the gross interest rates of the HECMs related to the Participations underlying the related HECM MBS backed by HECM MBS for such payment plan as of September 1, 2021.
- The Approximate Weighted Average Gross Margin is the weighted average of the gross margins of the adjustable rate HECMs related to the Participations underlying the related HECM MBS backed by HECM MBS for such payment plan as of September 1, 2021.

- (8) The Approximate Weighted Average Gross Lifetime Interest Rate Floor is the weighted average of the lowest interest rates possible based on the interest rate formula and HECM loan documents applicable to the adjustable rate HECMs related to the Participations underlying the related HECM MBS for such payment plan as of September 1, 2021.
- (9) The Approximate Weighted Average Gross Lifetime Interest Rate Cap is the weighted average of the maximum interest rates possible based on the interest rate formula and HECM loan documents applicable to the adjustable rate HECMs related to the Participations underlying the related HECM MBS for such payment plan as of September 1, 2021.
- (10) The Approximate Weighted Average MIP Fee is the weighted average of the MIP Fees of the HECMs related to the Participations underlying the related HECM MBS for such payment plan as of September 1, 2021. The MIP Fee is charged for FHA mortgage insurance. The MIP Fee is the monthly mortgage insurance premium ("MIP") that accrues on each HECM.
- (11) The Approximate Weighted Average Servicing Fee Margin is the weighted average of the Servicing Fee Margins of the HECMs related to the Participations underlying the related HECM MBS for such payment plan as of September 1, 2021. The Servicing Fee Margin represents (together with the Monthly Servicing Fee, if any) the amount of the servicing compensation payable to the Issuer to cover the Issuer's servicing costs. The Servicing Fee Margin includes the Guaranty Fee charged by Ginnie Mae for the HECM MBS guaranty at the annual rate of 0.06% and a participation agent fee, if any. The Approximate Weighted Average Servicing Fee Margin is included in the rates shown in the columns for Approximate Weighted Average Gross Interest Rate, Approximate Weighted Average Gross Margin, Approximate Weighted Average Gross Lifetime Interest Rate Floor and Approximate Weighted Average Gross Lifetime Interest Rate Cap.
- (12) The Monthly Servicing Fee is the aggregate monthly servicing fee payable to the Issuer if the full amount of the servicing cost is not included in the HECM interest rate and is in addition to the Servicing Fee Margin.
- (13) The Initial Monthly Scheduled Draw is the aggregate monthly amount that is payable to borrowers in a given month under certain types of payment plans during the first twelve month disbursement period.
- (14) The Subsequent Monthly Scheduled Draw is the aggregate monthly amount that is payable to borrowers in a given month under certain types of payment plans after the first twelve month disbursement period.
- (15) The Approximate Weighted Average Remaining Draw Term (in months) is the weighted average of the remaining draw terms of the HECMs related to the Participations underlying the related HECM MBS for such payment plan. The remaining draw term represents the number of months over which a borrower with a term or modified term payment plan will receive Monthly Scheduled Draws as of September 1, 2021.
- (16) The Initial Available Line of Credit is the aggregate of the lines of credit available to borrowers under the Modified Term, Modified Tenure and Line of Credit payment plans during the first twelve month disbursement period. The Initial Available Line of Credit does not include set asides for the Monthly Servicing Fee, if any, property charges (such as taxes, hazard insurance, ground rents or assessments) or repairs, if any.
- (17) The Available Line of Credit is the aggregate of the lines of credit available to borrowers under the Modified Term, Modified Tenure and Line of Credit payment plans during the lives of their related HECMs. The Available Line of Credit does not include set asides for the Monthly Servicing Fee, if any, property charges (such as taxes, hazard insurance, ground rents or assessments) or repairs, if any.
- (18) The sum of the applicable Maximum Claim Amounts with respect to each HECM.
- (19) These HECMs do not have draw terms or monthly scheduled draws.
- (20) Borrowers who select tenure or modified tenure payment plans have a right to receive monthly draws for their tenure in the property.
- (21) These HECMs do not have a flat Monthly Servicing Fee in addition to the Servicing Fee Margin.
- (22) These HECMs are not subject to restrictions on the amount of the Available Line of Credit available to borrowers during the first twelve month disbursement period.
- (23) The draw terms for these HECMs have expired

The actual HECM ages, gross interest rates, gross margins, gross lifetime interest rate floors, gross lifetime interest rate caps, MIP Fees, Servicing Fee Margins and remaining draw terms of many of the HECMs related to the Participations underlying the Group 2 through 15 and Subgroup 16A and 17A Trust Assets will differ from the approximate weighted averages shown above, perhaps significantly. See *"The Trust Assets — The Participations and the HECMs" in this Supplement*.

CPR Percentage in Effect by HECM Age

HECM Age (in months)	CPR (%)
1	0.00000
2	0.54545
3	1.09091
4	1.63636
5	2.18182
6	2.72727
7	3.27273
8	3.81818
9	4.36364
10	4.90909
11	5.45455
12	6.00000
13	6.29167
14	6.58333
15	6.87500
16	7.16667
17	7.45833
18	7.75000
19	8.04167
20	8.33333
21	8.62500
22	8.91667
23	9.20833
24	9.50000
25	9.66667
26	9.83333
27	10.00000
28	10.16667
29	10.33333
30	10.50000
31	10.66667
32	10.83333
33	11.00000
34	11.16667
35	11.33333
36	11.50000
37	11.66667
38	11.83333
39	12.00000
40	12.16667

HECM Age (in months)	CPR (%)
41	12.33333
42	12.50000
43	12.66667
44	12.83333
45	13.00000
46	13.16667
47	13.33333
48	13.50000
49	13.62240
50	13.74479
51	13.86719
52	13.98958
53	14.11198
54	14.23438
55	14.35677
56	14.47917
57	14.60156
58	14.72396
59	14.84635
60	14.96875
61	15.09115
62	15.21354
63	15.33594
64	15.45833
65	15.58073
66	15.70313
67	15.82552
68	15.94792
69	16.07031
70	16.19271
71	16.31510
72	16.43750
73	16.55990
74	16.68229
75	16.80469
76	16.92708
77	17.04948
78	17.17188
79	17.29427
80	17.41667
81	17.53906
82	17.66146
83	17.78385

HECM Age (in months)	CPR (%)
84	17.90625
85	18.02865
86	18.15104
87	18.27344
88	18.39583
89	18.51823
90	18.64063
91	18.76302
92	18.88542
93	19.00781
94	19.13021
95	19.25260
96	19.37500
97	19.49740
98	19.61979
99	19.74219
100	19.86458
101	19.98698
102	20.10938
103	20.23177
104	20.35417
105	20.47656
106	20.59896
107	20.72135
108	20.84375
109	20.96615
110	21.08854
111	21.21094
112	21.33333
113	21.45573
114	21.57813
115	21.70052
116	21.82292
117	21.94531
118	22.06771
119	22.19010
120	22.31250
121	22.43490
122	22.55729
123	22.67969
124	22.80208
125	22.92448
126	23.04688

HECM Age (in months)	CPR (%)
127	23.16927
128	23.29167
129	23.41406
130	23.53646
131	23.65885
132	23.78125
133	23.90365
134	24.02604
135	24.14844
136	24.27083
137	24.39323
138	24.51563
139	24.63802
140	24.76042
141	24.88281
142	25.00521
143	25.12760
144	25.25000
145	25.37240
146	25.49479
147	25.61719
148	25.73958
149	25.86198
150	25.98438
151	26.10677
152	26.22917
153	26.35156
154	26.47396
155	26.59635
156	26.71875
157	26.84115
158	26.96354
159	27.08594
160	27.20833
161	27.33073
162	27.45313
163	27.57552
164	27.69792
165	27.82031
166	27.94271
167	28.06510
168	28.18750
169	28.30990

HECM Age (in months)	CPR (%)
170	28.43229
171	28.55469
172	28.67708
173	28.79948
174	28.92188
175	29.04427
176	29.16667
177	29.28906
178	29.41146
179	29.53385
180	29.65625
181	29.77865
182	29.90104
183	30.02344
184	30.14583
185	30.26823
186	30.39063
187	30.51302
188	30.63542
189	30.75781
190	30.88021
191	31.00260
192	31.12500
193	31.24740
194	31.36979
195	31.49219
196	31.61458
197	31.73698
198	31.85938
199	31.98177
200	32.10417
201	32.22656
202	32.34896
203	32.47135
204	32.59375
205	32.71615
206	32.83854
207	32.96094
208	33.08333
209	33.20573
210	33.32813
211	33.45052
212	33.57292

HECM Age (in months)	CPR (%)
213	33.69531
214	33.81771
215	33.94010
216	34.06250
217	34.18490
218	34.30729
219	34.42969
220	34.55208
221	34.67448
222	34.79688
223	34.91927
224	35.04167
225	35.16406
226	35.28646
227	35.40885
228	35.53125
229	35.65365
230	35.77604
231	35.89844
232	36.02083
233	36.14323
234	36.26563
235	36.38802
236	36.51042
237	36.63281
238	36.75521
239	36.87760
240	37.00000
241	37.05000
242	37.10000
243	37.15000
244	37.20000
245	37.25000
246	37.30000
247	37.35000
248	37.40000
249	37.45000
250	37.50000
251	37.55000
252	37.60000
253	37.65000
254	37.70000
255	37.75000

HECM Age (in months)	CPR (%)
256	37.80000
257	37.85000
258	37.90000
259	37.95000
260	38.00000
261	38.05000
262	38.10000
263	38.15000
264	38.20000
265	38.25000
266	38.30000
267	38.35000
268	38.40000
269	38.45000
270	38.50000
271	38.55000
272	38.60000
273	38.65000
274	38.70000
275	38.75000
276	38.80000
277	38.85000
278	38.90000
279	38.95000
280	39.00000
281	39.05000
282	39.10000
283	39.15000
284	39.20000
285	39.25000
286	39.30000
287	39.35000
288	39.40000
289	39.45000
290	39.50000
291	39.55000
292	39.60000
293	39.65000
294	39.70000
295	39.75000
296	39.80000
297	39.85000
298	39.90000

HECM Age (in months)	CPR (%)
299	39.95000
300	40.00000
301	40.05000
302	40.10000
303	40.15000
304	40.20000
305	40.25000
306	40.30000
307	40.35000
308	40.40000
309	40.45000
310	40.50000
311	40.55000
312	40.60000
313	40.65000
314	40.70000
315	40.75000
316	40.80000
317	40.85000
318	40.90000
319	40.95000
320	41.00000
321	41.05000
322	41.10000
323	41.15000
324	41.20000
325	41.25000
326	41.30000
327	41.35000
328	41.40000
329	41.45000
330	41.50000
331	41.55000
332	41.60000
333	41.65000
334	41.70000
335	41.75000
336	41.80000
337	41.85000
338	41.90000
339	41.95000
340	42.00000
341	42.05000

HECM Age (in months)	CPR (%)
342	42.10000
343	42.15000
344	42.20000
345	42.25000
346	42.30000
347	42.35000
348	42.40000
349	42.45000
350	42.50000
351	42.55000
352	42.60000
353	42.65000
354	42.70000
355	42.75000
356	42.80000
357	42.85000
358	42.90000
359	42.95000
360 and thereafter	43.00000

Draw Curve in Effect by HECM Age

HECM Age (in months)	Annualized Draw Rate (%)
1	14.00000
2	9.00000
3	8.00000
4	7.33333
5	6.66667
6	6.00000
7	5.83333
8	5.66667
9	5.50000
10	5.33333
11	5.16667
12	5.00000
13	4.83333
14	4.66667
15	4.50000
16	4.33333
17	4.16667
18	4.00000
19	3.86111
20	3.72222
21	3.58333
22	3.44444
23	3.30556
24	3.16667
25	3.02778
26	2.88889
27	2.75000
28	2.61111
29	2.47222
30	2.33333
31	2.19444
32	2.05556
33	1.91667
34	1.77778
35	1.63889
36	1.50000
37	1.43750
38	1.37500
39	1.31250
40	1.25000

HECM Age (in months)	Annualized Draw Rate (%)
41	1.18750
42	1.12500
43	1.06250
44	1.00000
45	0.93750
46	0.87500
47	0.81250
48	0.75000
49	0.68750
50	0.62500
51	0.56250
52	0.50000
53	0.43750
54	0.37500
55	0.31250
56	0.25000
57	0.18750
58	0.12500
59	0.06250
60 and thereafter	0.00000

Underlying Certificates

Trust Asset Group or Subgroup	Issuer	Series	Class	Issue Date	CUSIP Number	Interest Rate	Interest Type(1)	Final Distribution Date	Principal Type(1)	Original Class Principal Balance	Underlying Certificate Factor(2)	Cumulative Deferred Interest Amount	Principal Balance in Trust(3)	Percentage of Class in Trust	Approximate Weighted Average Gross Interest Rate of HECMs(4)	Approximate Weighted Average HECM Age (in months)(4)
1	Ginnie Mae	2020-H20	FA	December 30, 2020	38380Q8X1	(5)	FLT/HWAC/HZ	April 2070	HPT	\$232,125,070	0.82190556	N/A	\$5,000,000	2.6207526830%	2.284%	21
16B	Ginnie Mae	2017-H23	MA	November 30, 2017	38375U527	3.000%	FIX/HZ	November 2067	HPT	102,665,687	0.73405514	N/A	8,577,912	11.3822371831%	4.953%	48
17B	Ginnie Mae	2017-H23	MA	November 30, 2017	38375U527	3.000%	FIX/HZ	November 2067	HPT	102,665,687	0.73405514	N/A	6,022,314	7.9911528766%	4.892%	48

(1) As defined under “Class Types” in Appendix I to the Base Offering Circular.

(2) Underlying Certificate Factors are as of September 2021.

(3) The Principal Balance in Trust was obtained using the current Class Principal Balance of the related Underlying Certificate from data provided to the Sponsor by the participation agent as of September 2021 instead of the truncated balance from ginnie Mae.gov.

(4) Based on information as of the first Business Day of September 2021.

(5) See “Terms Sheet — Interest Rates” in the related Underlying Certificate Disclosure Document.

Group or Subgroup	Payment Plan	Percentage of Pool in Trust	HECM MBS Principal Balance(2)	HECM Loan Balance	Approximate Weighted HECM Age (in months)	HECM Interest Type	Index	Rate Reset Frequency (Q)	Next Rate Reset Month (S)	Approximate Weighted Average Interest Rate (G)	Approximate Weighted Average Gross Margin(7)	Approximate Weighted Average MIP(8)	Approximate Weighted Average Servicing Fee Margin(11)	Monthly Servicing Fee(12)	Initial Monthly Scheduled Draw(13)	Subsequent Monthly Scheduled Draw(14)	Approximate Weighted Average Next Draw Term (in months)	Initial Available Line of Credit(16)	Available Line of Credit(17)	Maximum Claim Amount(18)	Pool Number	HECM MBS Issue Date
168	Lump Sum	100%	\$ 5,370,050.75	\$ 6,130,142.63	48	FIX	N/A	N/A	N/A	N/A	5.00%	1.250%	0.360%	G1	(0)	(0)	(0)	\$0.00	0.00	\$ 8,321,050.00	AV4881	November 2017
168	Lump Sum	100%	7,017,788.22	7,581,683.16	48	FIX	N/A	N/A	N/A	N/A	5.029%	1.250%	0.360%	G1	(0)	(0)	(0)	0.00	0.00	10,925,922.00	BB0131	October 2017
168	Lump Sum	100%	8,406,253.69	9,065,596.48	47	FIX	N/A	N/A	N/A	N/A	5.013%	1.250%	0.360%	G1	(0)	(0)	(0)	0.00	0.00	12,664,420.00	BB0151	November 2017
168	Lump Sum	100%	4,688,510.00	4,302,461.26	50	FIX	N/A	N/A	N/A	N/A	4.800%	1.250%	0.360%	G1	(0)	(0)	(0)	0.00	0.00	5,929,610.00	BC1868	September 2017
168	Lump Sum	100%	12,572,680.96	13,433,487.56	49	FIX	N/A	N/A	N/A	N/A	4.800%	1.250%	0.360%	G1	(0)	(0)	(0)	0.00	0.00	18,662,549.00	BC3952	October 2017
168	Lump Sum	100%	11,410,441.86	12,509,821.18	48	FIX	N/A	N/A	N/A	N/A	4.907%	1.250%	0.360%	G1	(0)	(0)	(0)	0.00	0.00	17,095,872.00	BC4880	November 2017
168	Lump Sum	100%	3,731,385.07	3,977,955.79	48	FIX	N/A	N/A	N/A	N/A	4.955%	1.250%	0.360%	G1	(0)	(0)	(0)	0.00	0.00	5,457,778.00	BD4954	November 2017
168	Lump Sum	100%	11,952,889.80	12,761,968.78	48	FIX	N/A	N/A	N/A	N/A	4.955%	1.250%	0.360%	G1	(0)	(0)	(0)	0.00	0.00	17,259,177.00	BD5701	October 2017
168	Lump Sum	100%	10,557,860.07	11,294,973.04	47	FIX	N/A	N/A	N/A	N/A	4.975%	1.250%	0.360%	G1	(0)	(0)	(0)	0.00	0.00	15,453,510.00	BE0931	November 2017
178	Lump Sum	100%	625,649.71	688,394.15	49	FIX	N/A	N/A	N/A	N/A	5.006%	1.250%	0.360%	G1	(0)	(0)	(0)	0.00	0.00	905,150.00	AW4859	October 2017
178	Lump Sum	100%	7,017,788.22	7,581,683.16	48	FIX	N/A	N/A	N/A	N/A	5.001%	1.250%	0.360%	G1	(0)	(0)	(0)	0.00	0.00	10,925,922.00	BB0131	October 2017
178	Lump Sum	100%	8,406,253.69	9,065,596.48	47	FIX	N/A	N/A	N/A	N/A	5.029%	1.250%	0.360%	G1	(0)	(0)	(0)	0.00	0.00	12,664,420.00	BB0151	November 2017
178	Lump Sum	100%	4,688,510.00	4,302,461.26	50	FIX	N/A	N/A	N/A	N/A	4.800%	1.250%	0.360%	G1	(0)	(0)	(0)	0.00	0.00	5,929,610.00	BC1868	September 2017
178	Lump Sum	100%	12,572,680.96	13,433,487.56	49	FIX	N/A	N/A	N/A	N/A	4.800%	1.250%	0.360%	G1	(0)	(0)	(0)	0.00	0.00	18,662,549.00	BC3952	October 2017
178	Lump Sum	100%	11,410,441.86	12,509,821.18	48	FIX	N/A	N/A	N/A	N/A	4.907%	1.250%	0.360%	G1	(0)	(0)	(0)	0.00	0.00	17,095,872.00	BC4880	September 2017
178	Lump Sum	100%	3,731,385.07	3,977,955.79	48	FIX	N/A	N/A	N/A	N/A	4.955%	1.250%	0.360%	G1	(0)	(0)	(0)	0.00	0.00	5,457,778.00	BD4954	November 2017
178	Lump Sum	100%	11,952,889.80	12,761,968.78	48	FIX	N/A	N/A	N/A	N/A	4.955%	1.250%	0.360%	G1	(0)	(0)	(0)	0.00	0.00	17,259,177.00	BD5701	October 2017
178	Lump Sum	100%	10,557,860.07	11,294,973.04	47	FIX	N/A	N/A	N/A	N/A	4.975%	1.250%	0.360%	G1	(0)	(0)	(0)	0.00	0.00	15,453,510.00	BE0931	November 2017

- The information in this Updated Exhibit A is provided by the Sponsor as of September 1, 2021. It is based on information regarding the HECM MBS, the related Participations and the HECMs related to the Participations underlying the Group 1 and Subgroup 16B and 17B Trust Assets. All weighted averages provided in this Updated Exhibit A are weighted based on the outstanding principal amounts of the Participations underlying the related HECM MBS for such payment plan as of September 1, 2021. The information shown in this Updated Exhibit A is for 100% of the relevant pool; however, the Group 1 and Subgroup 16B and 17B securities are only entitled to the Group 1 and Subgroup 16B and 17B Trust Assets.
- The HECM MBS Principal Balance is the sum of the outstanding principal amounts of the Participations underlying the related HECM MBS for such payment plan as of September 1, 2021.
- The Approximate Weighted Average HECM Age (in months) is the weighted average age of the HECMs related to the Participations underlying the related HECM MBS for such payment plan as of September 1, 2021.
- The Rate Reset Frequency is a period, whether annually or monthly, that the interest rate of each adjustable rate HECM resets under the interest rate formula and HECM loan documents applicable to each adjustable rate HECM.
- The Approximate Weighted Average Next Rate Reset Month is the weighted average number of months until the interest rate of each adjustable rate HECM resets under the interest rate formula and HECM loan documents applicable to each adjustable rate HECM. For example, an entry of "1" signifies that the Approximate Weighted Average Next Rate Reset Month for the adjustable rate HECM's rate is the first day of October 2021.
- The Approximate Weighted Average Gross Interest Rate is the weighted average of the gross interest rates of the HECMs related to the Participations underlying the related HECM MBS for such payment plan as of September 1, 2021.
- The Approximate Weighted Average Gross Margin is the weighted average of the gross margins of the adjustable rate HECMs related to the Participations underlying the related HECM MBS for such payment plan as of September 1, 2021.

- (8) The Approximate Weighted Average Gross Lifetime Interest Rate Floor is the weighted average of the lowest interest rates possible based on the interest rate formula and HECM loan documents applicable to the adjustable rate HECMs related to the Participations underlying the related HECM MBS for such payment plan as of September 1, 2021.
- (9) The Approximate Weighted Average Gross Lifetime Interest Rate Cap is the weighted average of the maximum interest rates possible based on the interest rate formula and HECM loan documents applicable to the adjustable rate HECMs related to the Participations underlying the related HECM MBS for such payment plan as of September 1, 2021.
- (10) The Approximate Weighted Average MIP Fee is the weighted average of the MIP Fees of the HECMs related to the Participations underlying the related HECM MBS for such payment plan as of September 1, 2021. The MIP Fee is charged for FHA mortgage insurance. The MIP Fee is the monthly mortgage insurance premium ("MIP") that accrues on each HECM.
- (11) The Approximate Weighted Average Servicing Fee Margin is the weighted average of the Servicing Fee Margins of the HECMs related to the Participations underlying the related HECM MBS for such payment plan as of September 1, 2021. The Servicing Fee Margin represents (together with the Monthly Servicing Fee, if any) the amount of the servicing compensation payable to the Issuer to cover the Issuer's servicing costs. The Servicing Fee Margin includes the Guaranty Fee charged by Ginnie Mae for the HECM MBS guaranty at the annual rate of 0.06% and a participation agent fee, if any. The Approximate Weighted Average Servicing Fee Margin is included in the rates shown in the columns for Approximate Weighted Average Gross Interest Rate, Approximate Weighted Average Gross Margin, Approximate Weighted Average Lifetime Interest Rate Floor and Approximate Weighted Average Gross Lifetime Interest Rate Cap.
- (12) The Monthly Servicing Fee is the aggregate monthly servicing fee payable to the Issuer if the full amount of the servicing cost is not included in the HECM interest rate and is in addition to the Servicing Fee Margin.
- (13) The Initial Monthly Scheduled Draw is the aggregate monthly amount that is payable to borrowers in a given month under certain types of payment plans during the first twelve month disbursement period.
- (14) The Subsequent Monthly Scheduled Draw is the aggregate monthly amount that is payable to borrowers in a given month under certain types of payment plans after the first twelve month disbursement period.
- (15) The Approximate Weighted Average Remaining Draw Term (in months) is the weighted average of the remaining draw terms of the HECMs related to the Participations underlying the related HECM MBS for such payment plan. The remaining draw term represents the number of months over which a borrower with a term or modified term payment plan will receive Monthly Scheduled Draws as of September 1, 2021.
- (16) The Initial Available Line of Credit is the aggregate of the lines of credit available to borrowers under the Modified Term, Modified Tenure and Line of Credit payment plans during the first twelve month disbursement period. The Initial Available Line of Credit does not include set asides for the Monthly Servicing Fee, if any, property charges (such as taxes, hazard insurance, ground rents or assessments) or repairs, if any.
- (17) The Available Line of Credit is the aggregate of the lines of credit available to borrowers under the Modified Term, Modified Tenure and Line of Credit payment plans during the lives of their related HECMs. The Available Line of Credit does not include set asides for the Monthly Servicing Fee, if any, property charges (such as taxes, hazard insurance, ground rents or assessments) or repairs, if any.

- (18) The sum of the applicable Maximum Claim Amounts with respect to each HECM.
- (19) These HECMs do not have draw terms or monthly scheduled draws.
- (20) Borrowers who select tenure or modified tenure payment plans have a right to receive monthly draws for their tenure in the property.
- (21) These HECMs do not have a flat Monthly Servicing Fee in addition to the Servicing Fee Margin.
- (22) These HECMs are not subject to restrictions on the amount of the Available Line of Credit available to borrowers during the first twelve month disbursement period.
- (23) The Draw Terms for these HECMs have expired.

The actual HECM ages, gross interest rates, gross margins, gross lifetime interest rate floors, gross lifetime interest rate caps, MIP Fees, Servicing Fee Margins and remaining draw terms of many of the HECMs related to the Participations underlying the Group 1 and Subgroup 16B and 17B Trust Assets will differ from the approximate weighted averages shown above, perhaps significantly. See *"The Trust Assets — The Participations"* in this Supplement.



\$412,765,684

**Government National
Mortgage Association**

GINNIE MAE[®]

**Guaranteed HECM MBS REMIC
Pass-Through Securities
and MX Securities
Ginnie Mae REMIC Trust 2021-H14**

**OFFERING CIRCULAR SUPPLEMENT
September 24, 2021**

**Citigroup
AmeriVet Securities**
