

\$545,802,263⁽¹⁾
Government National Mortgage Association
GINNIE MAE[®]
Guaranteed HECM MBS REMIC Pass-Through Securities
and MX Securities
Ginnie Mae REMIC Trust 2024-H20

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 or Ginnie Mae Platinum Certificates backed by 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-19 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 November 29, 2024. 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 ⁽³⁾	Interest Rate	Principal Type ⁽⁴⁾	Interest Type ⁽⁴⁾	CUSIP Number	Final Distribution Date ⁽⁵⁾
Security Group 1						
AF	\$139,517,993	(6)	HPT	FLT/HWAC/HZ	38383KY97	November 2074
AI(2)	32,746,570	(6)	NTL(CPT/HPT)	HWAC/IO/DLY	38383KZ21	October 2074
CF	11,500,000	(6)	CPT/HPT	FLT/HWAC/HZ	38383KZ39	November 2074
FA(2)	27,342,182	(6)	HPT	FLT/HWAC/HZ	38383KZ47	October 2074
IA(2)	145,613,605	(6)	NTL(CPT/HPT)	HWAC/IO/DLY	38383KZ54	November 2074
Security Group 2						
CI(7)	66,304,159	(6)	NTL(SC/HPT)	HWAC/IO/DLY	38383KZ62	September 2069
Security Group 3						
BF(2)	15,009,415	(6)	SC/HPT	FLT/HWAC/HZ	38383KZ70	November 2072
BI(2)	86,375,103	(6)	NTL(SC/CPT/HPT)	HWAC/IO/DLY	38383KZ88	November 2073
FB(2)	47,823,561	(6)	SC/HPT	FLT/HWAC/HZ	38383KZ96	July 2072
FC(2)	23,542,127	(6)	SC/HPT	FLT/HWAC/HZ	38383K2A9	November 2073
Security Group 4						
DI(2)	7,777,777	(6)	NTL(HPT)	HWAC/IO/DLY	38383K2B7	November 2074
FD(2)	7,777,777	(6)	HPT	FLT/HWAC/HZ	38383K2C5	November 2074
Security Group 5						
EI	25,000,000	(6)	NTL(HPT)	HWAC/IO/DLY	38383K2D3	November 2074
FE	25,000,000	(6)	HPT	FLT/HWAC/HZ	38383K2E1	November 2074
Security Group 6						
EF	2,946,156	(6)	HPT	FLT/HWAC/HZ	38383K2F8	August 2073
IE(2)	2,946,156	(6)	NTL(HPT)	HWAC/IO/DLY	38383K2G6	August 2073
Security Group 7						
FG(2)	1,917,030	(6)	HPT	FLT/HWAC/HZ	38383K2H4	November 2074
GI(2)	1,917,030	(6)	NTL(HPT)	HWAC/IO/DLY	38383K2I0	November 2074
Security Group 8						
GF(2)	41,299,145	(6)	HPT	FLT/HWAC/HZ	38383K2K7	November 2074
IG(2)	41,299,145	(6)	NTL(HPT)	HWAC/IO/DLY	38383K2L5	November 2074
Security Group 9						
FH	10,000,000	(6)	HPT	FLT/HWAC/HZ	38383K2M3	November 2074
HI(2)	10,000,000	(6)	NTL(HPT)	HWAC/IO/DLY	38383K2N1	November 2074
Security Group 10						
HF	14,985,289	(6)	HPT	FLT/HWAC/HZ	38383K2P6	October 2074
IH(2)	14,985,289	(6)	NTL(HPT)	HWAC/IO	38383K2Q4	October 2074
Security Group 11						
FJ	16,018,927	(6)	HPT	FLT/HWAC/HZ	38383K2R2	October 2074
IJ(2)	16,018,927	(6)	NTL(HPT)	HWAC/IO	38383K2S0	October 2074
Security Group 12						
JJ(2)	51,025,545	(6)	NTL(HPT)	HWAC/IO	38383K2T8	November 2074
JF	47,025,545	(6)	HPT	FLT/HWAC/HZ	38383K2U5	November 2074
KF	4,000,000	(6)	HPT	FLT/HWAC/HZ	38383K2V3	November 2074
Security Group 13						
FL	10,000,000	(6)	HPT	FLT/HWAC/HZ	38383K2W1	November 2074
LI(2)	10,000,000	(6)	NTL(HPT)	HWAC/IO	38383K2X9	November 2074
Security Group 14						
IL(2)	5,000,000	(6)	NTL(HPT)	HWAC/IO	38383K2Y7	November 2074
LF	5,000,000	(6)	HPT	FLT/HWAC/HZ	38383K2Z4	November 2074
Security Group 15						
FM	22,000,000	(6)	HPT	FLT/HWAC/HZ	38383K3A8	November 2074
MI(2)	22,000,000	(6)	NTL(HPT)	HWAC/IO	38383K3B6	November 2074
Security Group 16						
IM(2)	7,000,000	(6)	NTL(HPT)	HWAC/IO	38383K3C4	November 2074
MF(2)	7,000,000	(6)	HPT	FLT/HWAC/HZ	38383K3D2	November 2074
Security Group 17						
FN	15,000,000	(6)	HPT	FLT/HWAC/HZ	38383K3E0	November 2074
NF	40,000,000	(6)	HPT	FLT/HWAC/HZ	38383K3F7	November 2074
NI(2)	55,000,000	(6)	NTL(HPT)	HWAC/IO	38383K3G5	November 2074
Security Group 18						
FP	1,000,000	(6)	HPT	FLT/HWAC/HZ	38383K3H3	November 2074
PP	10,000,000	(6)	HPT	FLT/HWAC/HZ	38383K3J9	November 2074
PI(2)	11,000,000	(6)	NTL(HPT)	HWAC/IO	38383K3K6	November 2074
Residuals						
RR	0	0.00%	NPR	NPR	38383K3L4	November 2074
RR1	0	0.00	NPR	NPR	38383K3M2	November 2074
RR2	0	0.00	NPR	NPR	38383K3N0	September 2069
RR3	0	0.00	NPR	NPR	38383K3P5	November 2073

(1) This amount includes the Class CI Deferred Interest Amount as of the Closing Date.
(2) These Securities may be exchanged for MX Securities described in Schedule I to this Supplement.
(3) 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.
(4) 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.
(5) See “Yield, Maturity and Prepayment Considerations — Final Distribution Date” in this Supplement.
(6) See “Terms Sheet — Interest Rates” in this Supplement.
(7) Class CI is entitled to receive the Class CI Deferred Interest Amount, which amount equals approximately \$97,116 as of the Closing Date and which amount is not included in the balance set forth in the table above. See “Terms Sheet — Deferred Interest Amount for Class CI” 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 October 1, 2007, July 1, 2011, June 1, 2014 or July 1, 2023, as applicable (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”),
- the Platinum Certificates Base Offering Circular, dated July 1, 2023 (the “Platinum Base Offering Circular”),
- each Platinum Certificate Offering Circular Supplement relating to the Ginnie Mae Platinum Certificates backed by HECM MBS (the “Platinum Certificate Offering Circular Supplements,” together with the Platinum Base Offering Circular, the “Platinum Disclosure Documents”) and
- in the case of the Group 2 and 3 Securities, the disclosure documents relating to the Underlying Certificates (the “Underlying Certificate Disclosure Documents”).

The Base Offering Circular, the HECM MBS Disclosure Documents, the Platinum 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.

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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: Academy Securities, Inc.

Trustee: U.S. Bank National Association

Tax Administrator: The Trustee

Closing Date: November 29, 2024

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 December 2024.

Trust Assets:

Trust Asset Group or Subgroup(1)	Trust Asset Type(2)	HECM MBS or Underlying Certificate Principal or Notional Balance	HECM MBS Rate(3)	Original Term to Maturity (in years)	Approximate Weighted Average Margins of Participations(4)
1A	Ginnie Mae II	\$139,517,993	(5)	50	0.890% to 2.540%
1B	Ginnie Mae II	6,095,612	(5)	50	2.008% to 2.217%
1C	Ginnie Mae II	4,961,152	(5)	50	1.488% to 2.190%
1D	Ginnie Mae II	27,785,418	(5)	50	1.390% to 2.389%
2A	Underlying Certificate	9,500,079	(6)	(6)	(6)
2B	Underlying Certificate	19,476,585	(6)	(6)	(6)
2C	Underlying Certificate	13,210,871	(6)	(6)	(6)
2D	Underlying Certificate	12,207,819	(6)	(6)	(6)
2E	Underlying Certificate	11,908,805	(6)	(6)	(6)
3A	Underlying Certificate	47,823,561	(6)	(6)	(6)
3B	Underlying Certificate	15,009,415	(6)	(6)	(6)
3C	Underlying Certificate	23,542,127	(6)	(6)	(6)
4	Ginnie Mae II	7,777,777	(5)	50	1.015% to 2.190%
5	Ginnie Mae II	25,000,000	(5)	50	1.015% to 2.190%
6	Ginnie Mae II	2,946,156	(5)	50	0.640% to 2.240%
7	Ginnie Mae II	1,917,030	(5)	50	1.300% to 2.190%
8	Ginnie Mae II	41,299,145	(5)	50	1.350% to 2.390%
9	Ginnie Mae II	10,000,000	(5)	50	1.431% to 2.190%
10	Ginnie Mae II	14,985,289	(5)	50	1.515% to 2.410%
11	Ginnie Mae II	16,018,927	(5)	50	1.719% to 2.410%
12	Ginnie Mae II	51,025,545	(5)	50	1.335% to 2.890%
13	Ginnie Mae II	10,000,000	(5)	50	1.858% to 2.384%
14	Ginnie Mae II	5,000,000	(5)	50	1.431% to 2.140%
15	Ginnie Mae II	22,000,000	(5)	50	1.397% to 2.384%
16	Ginnie Mae II	7,000,000	(5)	50	1.177% to 2.384%
17	Ginnie Mae II	55,000,000	(5)	50	1.177% to 2.384%
18	Ginnie Mae II	11,000,000	(5)	50	1.611% to 2.331%

(1) The Group 1, 2 and 3 Trust Assets consist of the enumerated subgroups (each, a “Subgroup”).

- (2) The Group 1 and 4 through 18 Trust Assets are HECM MBS (or, in the case of Pools 786717 and 786840, Ginnie Mae Platinum Certificates backed by 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 and Ginnie Mae Platinum Certificates, including related pool numbers, is set forth in Exhibit A to this Supplement.
- (3) The HECM MBS Rate for each Group 1 and 4 through 18 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 1 and 4 through 18, reflects the range of approximate weighted average margins on the Participations (net of the related Servicing Fee Margin) underlying the related HECM MBS pools.
- (5) The applicable index for each of the Group 1, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17 and 18 Trust Assets is one-year CMT (“One-Year CMT”). The actual HECM lifetime and, with respect to Pools CP1828 and CQ9580 included in the Group 6 Trust Assets and Pools DE0726 and DE1243 included in the Group 12 Trust Assets, annual caps on interest rate adjustments may limit whether the HECM MBS Rate for a particular Group 1, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17 or 18 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 securities” in this Supplement*.
- (6) Certain information regarding the Underlying Certificate is set forth in Exhibits D and E to 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 B, DF, FQ, IB, IC, ID, IK, IN, IP and KI, payments on each Group will be based solely on payments on the Trust Asset Group or Subgroup with the same numerical designation.

Assumed Characteristics of the HECMs and the Participations Underlying the Group 1 and 4 through 18 Trust Assets: The assumed characteristics of the HECMs and the Participations underlying the Group 1 and 4 through 18 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 or Ginnie Mae Platinum Certificate, which characteristics are identified in the related HECM MBS Prospectus Supplement or the related Platinum Certificate Offering Circular Supplement, as applicable. There can be no assurance that the actual characteristics of the HECMs and the Participations underlying the Group 1 and 4 through 18 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 2 and 3 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 Exhibit 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 Exhibit 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. Under certain circumstances, Class B will be subject to mandatory exchange, with no exchange fee, for its related REMIC Securities. 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 Floating Rate Classes and Components 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 “30-day Average SOFR”) as follows:

Class or Component	Interest Rate Formula(1)	Initial Interest Rate(2)	Minimum Rate(3)(5)	Maximum Rate(4)	Delay (in days)	30-day Average SOFR for Minimum Interest Rate
Security Group 1						
AF	30-day Average SOFR + 0.890%	5.65078%	0.89000%	(6)	0	0.00000%
CF1	30-day Average SOFR + 0.750%	5.44782%	0.75000%	(4)	0	0.00000%
CF2	30-day Average SOFR + 0.750%	5.44782%	0.75000%	(4)	0	0.00000%
CF3	30-day Average SOFR + 0.750%	5.44782%	0.75000%	(4)	0	0.00000%
FA	30-day Average SOFR + 0.915%	5.67578%	0.91500%	(7)	0	0.00000%
Security Group 3						
BF	30-day Average SOFR + 0.915%	5.67578%	0.91500%	(8)	0	0.00000%
FB	30-day Average SOFR + 0.915%	5.67578%	0.91500%	(9)	0	0.00000%
FC	30-day Average SOFR + 0.915%	5.67578%	0.91500%	(10)	0	0.00000%
Security Groups 1 and 3						
DF	30-day Average SOFR + 0.915%	5.67578%	0.91500%	(5)	0	0.00000%
Security Group 4						
FD	30-day Average SOFR + 0.80%	5.65000%	0.80000%	(4)	0	0.00000%
Security Group 5						
FE	30-day Average SOFR + 0.70%	5.55000%	0.70000%	(4)	0	0.00000%
Security Group 6						
EF	30-day Average SOFR + 0.70%	5.35000%	0.70000%	(4)	0	0.00000%
Security Group 7						
FG	30-day Average SOFR + 0.75%	5.55000%	0.75000%	(4)	0	0.00000%
Security Group 8						
GF	30-day Average SOFR + 0.75%	5.55000%	0.75000%	(4)	0	0.00000%
Security Groups 7 and 8						
FQ	30-day Average SOFR + 0.75%	5.55000%	0.75000%	(5)	0	0.00000%
Security Group 9						
FH	30-day Average SOFR + 0.75%	5.55000%	0.75000%	(4)	0	0.00000%
Security Group 10						
HF	30-day Average SOFR + 0.80%	5.65680%	0.80000%	(4)	0	0.00000%
Security Group 11						
FJ	30-day Average SOFR + 0.80%	5.65579%	0.80000%	(4)	0	0.00000%
Security Group 12						
JF	30-day Average SOFR + 0.76%	5.60940%	0.76000%	(4)	0	0.00000%
KF	30-day Average SOFR + 0.95%	5.79940%	0.95000%	(4)	0	0.00000%
Security Group 13						
FL	30-day Average SOFR + 0.80%	5.64310%	0.80000%	(4)	0	0.00000%
Security Group 14						
LF	30-day Average SOFR + 1.25%	5.72380%	1.25000%	(4)	0	0.00000%
Security Group 15						
FM	30-day Average SOFR + 0.75%	5.59370%	0.75000%	(4)	0	0.00000%
Security Group 16						
MF	30-day Average SOFR + 0.76%	5.60310%	0.76000%	(4)	0	0.00000%
Security Group 17						
FN	30-day Average SOFR + 0.78%	5.62170%	0.78000%	(4)	0	0.00000%
NF	30-day Average SOFR + 1.10%	5.84147%	1.10000%	(4)	0	0.00000%
Security Group 18						
FP	30-day Average SOFR + 0.95%	5.76260%	0.95000%	(4)	0	0.00000%
PF	30-day Average SOFR + 0.80%	5.61260%	0.80000%	(4)	0	0.00000%

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- (1) 30-day Average 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 or Component 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 Subgroup (or (v) in the case of Class AF, the WACR for the Subgroup 1A Trust Assets less 0.025%, (w) in the case of Class FA, the WACR for the Subgroup 1D Trust Assets less 0.140%, (x) in the case of Class BF, the Underlying Certificate WACR for the Subgroup 3B Trust Asset less 0.280%, (y) in the case of Class FB, the Underlying Certificate WACR for the Subgroup 3A Trust Asset less 0.035% and (z) in the case of Class FC, the Underlying Certificate WACR for the Subgroup 3C Trust Asset less 0.060%).
 - (4) Except as otherwise indicated in this table, the maximum rate for any Accrual Period will be the WACR or Underlying Certificate WACR for the related Trust Asset Group or Subgroup. *See “Risk Factors — The maximum rate on each floating rate class or component could limit the amount of interest that accrues on such class or component” in this Supplement.*
 - (5) The minimum rate and maximum rate for each of Classes DF and FQ for any Accrual Period will be limited by the aggregate interest accrued on its related REMIC Classes for that Accrual Period.
 - (6) The maximum rate for Class AF for any Accrual Period will be the WACR for the Subgroup 1A Trust Assets less 0.025%. *See “Risk Factors — The maximum rate on each floating rate class or component could limit the amount of interest that accrues on such class or component” in this Supplement.*
 - (7) The maximum rate for Class FA for any Accrual Period will be the WACR for the Subgroup 1D Trust Assets less 0.140%. *See “Risk Factors — The maximum rate on each floating rate class or component could limit the amount of interest that accrues on such class or component” in this Supplement.*
 - (8) The maximum rate for Class BF for any Accrual Period will be the Underlying Certificate WACR for the Subgroup 3B Trust Asset less 0.280%. *See “Risk Factors — The maximum rate on each floating rate class or component could limit the amount of interest that accrues on such class or component” in this Supplement.*
 - (9) The maximum rate for Class FB for any Accrual Period will be the Underlying Certificate WACR for the Subgroup 3A Trust Asset less 0.035%. *See “Risk Factors — The maximum rate on each floating rate class or component could limit the amount of interest that accrues on such class or component” in this Supplement.*
 - (10) The maximum rate for Class FC for any Accrual Period will be the Underlying Certificate WACR for the Subgroup 3C Trust Asset less 0.060%. *See “Risk Factors — The maximum rate on each floating rate class or component could limit the amount of interest that accrues on such class or component” in this Supplement.*

Each of the Floating Rate Classes and Components 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 A and B are set forth in the table below.

Class	Approximate Initial Interest Rate(1)
Security Group 1	
AI	0.26624%
IA	0.07730%
IO(2)	0.11199%
Security Group 2	
CI	1.64036%
Security Group 3	
BI	0.08531%
Security Groups 1 and 3	
IB(2)	0.13505%
Security Group 4	
A(2)	5.78629%
DI	0.12266%
Security Group 5	
EI	0.22266%
Security Group 6	
IE	0.06900%
Security Group 7	
GI	0.10585%
Security Groups 6 and 7	
IC(2)	0.08352%
Security Group 8	
IG	0.16150%
Security Group 9	
HI	0.28281%
Security Groups 6, 7, 8 and 9	
IP(2)	0.17634%
Security Groups 8 and 9	
ID(2)	0.18514%
Security Group 10	
IH	0.21693%
Security Group 11	
JI	0.26468%
Security Group 12	
IJ	0.27770%
Security Group 13	
LI	0.27092%
Security Group 14	
IL	0.01999%
Security Group 15	
MI	0.17649%
Security Group 16	
IM	0.24946%
Security Groups 11 and 16	
B(2)	5.96609%
Security Group 17	
NI	0.05994%
Security Groups 11, 12, 14, 15, 16 and 17	
IN(2)	0.16999%
Security Group 18	
PI	0.34216%
Security Groups 10, 11, 12, 13, 14, 15, 16, 17 and 18	
KI(2)	0.18976%
Security Groups 10, 13 and 18	
IK(2)	0.27021%

(1) The approximate initial Interest Rates for the Classes set forth in the table above (other than Classes BI and CI) were calculated using the assumed characteristics of the Group 1 and 4 through 18 HECMs

and the Participations underlying the related Group 1 and 4 through 18 Trust Assets set forth in Exhibit A, which are provided by the Sponsor as of November 1, 2024. In addition, the approximate initial Interest Rate for Class IB was also calculated using the assumed characteristics of the Group 3 Underlying Certificates and the Group 3 HECMs and the Participations underlying the Group 3 Trust Assets set forth in Exhibit E, which are provided by the Sponsor as of November 1, 2024. The approximate initial Interest Rates for Classes BI and CI were calculated using the assumed characteristics of the Group 2 and 3 Underlying Certificates and the Group 2 and 3 HECMs and the Participations underlying the Group 2 and 3 Trust Assets set forth in Exhibit E, which are provided by the Sponsor as of November 1, 2024. 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.

For purposes of this Supplement, the term "Underlying Certificate WACR" means the interest rate or the weighted average of the interest rates of the Underlying Certificate or Underlying Certificates, as applicable, included in the related Trust Asset Group or Subgroup, weighted based on the outstanding principal or notional balance, as applicable, of each Underlying Certificate for the related Distribution Date (before giving effect to any payments on such Distribution Date) for the related Trust Asset Group or Subgroup.

Class CI is an HWAC Class that will bear interest during each Accrual Period at a per annum rate equal to the Underlying Certificate WACR of the Group 2 Trust Assets.

Each of Classes A, B, IB, IC, ID, IK, IN, IO, IP and KI 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, as applicable, for such Accrual Period, subject to certain limitations as set forth under "Description of the Securities — Modification and Exchange" in this Supplement.

Interest Rate for each Interest Only Class or Component (other than Class CI and the MX Classes): 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 related Trust Asset Group or Subgroup over (II) the sum of the Interest Accrual Amounts for all related Principal Bearing Classes or Components for such Distribution Date, divided by (b) the sum of the Class Principal Balances of the related Stripped Principal Bearing Classes or Components and the Deferred Interest Amount of the related Interest Only Class or Component as of the related Record Date for such Interest Only Class or Component.

Interest Rate for Class CI: For any Distribution Date, a per annum rate equal to the product of (i) 12 multiplied by (ii) the quotient of (a) the interest accrued for the Accrual Period immediately preceding such Distribution Date on the related Trust Asset Group, divided by (b) the outstanding notional balance of the related Trust Asset Group as of the related Record Date for such Class.

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

SECURITY GROUP 1

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

1. Concurrently, to AF and IA1, pro rata based on their respective Interest Accrual Amounts, up to the Class AF Interest Accrual Amount and the Component IA1 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 IA1, until the Component IA1 Deferred Interest Amount is reduced to zero

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

1. Concurrently, to CF1 and IA2, pro rata based on their respective Interest Accrual Amounts, up to the Component CF1 Interest Accrual Amount and the Component IA2 Interest Accrual Amount for such Distribution Date
2. To CF1, in reduction of its Component Principal Balance, up to the amount of the Component CF1 Principal Distribution Amount for such Distribution Date, until retired
3. To IA2, until the Component IA2 Deferred Interest Amount is reduced to zero

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

1. Concurrently, to AI1 and CF2, pro rata based on their respective Interest Accrual Amounts, up to the Component AI1 Interest Accrual Amount and the Component CF2 Interest Accrual Amount for such Distribution Date
2. To CF2, in reduction of its Component Principal Balance, up to the amount of the Component CF2 Principal Distribution Amount for such Distribution Date, until retired
3. To AI1, until the Component AI1 Deferred Interest Amount is reduced to zero

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

1. Concurrently, to AI2, CF3 and FA, pro rata based on their respective Interest Accrual Amounts, up to the Component AI2 Interest Accrual Amount, the Component CF3 Interest Accrual Amount and the Class FA Interest Accrual Amount for such Distribution Date
2. Concurrently, to CF3 and FA, pro rata based on their respective Class or Component Principal Balances, in reduction of their Class or Component Principal Balances, up to the amount of the Subgroup 1D Principal Distribution Amount for such Distribution Date, until retired
3. To AI2, until the Component AI2 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. To CI, up to the Class CI Interest Accrual Amount for such Distribution Date
2. To CI, until the Class CI Deferred Interest Amount is reduced to zero

SECURITY GROUP 3

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

1. Concurrently, to BI1 and FB, pro rata based on their respective Interest Accrual Amounts, up to the Component BI1 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 BI1, until the Component BI1 Deferred Interest Amount is reduced to zero

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

1. Concurrently, to BF and BI2, pro rata based on their respective Interest Accrual Amounts, up to the Class BF Interest Accrual Amount and the Component BI2 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 BI2, until the Component BI2 Deferred Interest Amount is reduced to zero

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

1. Concurrently, to BI3 and FC, pro rata based on their respective Interest Accrual Amounts, up to the Component BI3 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 BI3, until the Component BI3 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 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 5

The Group 5 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 6

The Group 6 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 7

The Group 7 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 8

The Group 8 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 9

The Group 9 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 10

The Group 10 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 11

The Group 11 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 12

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

1. Concurrently, to IJ, JF and KF, pro rata based on their respective Interest Accrual Amounts, up to the Class IJ Interest Accrual Amount, the Class JF Interest Accrual Amount and the Class KF Interest Accrual Amount for such Distribution Date
2. Concurrently, to JF and KF, pro rata based on their respective Class Principal Balances, in reduction of their Class Principal Balances, up to the amount of the Group 12 Principal Distribution Amount for such Distribution Date, until retired
3. To IJ, until the Class IJ 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 FL and LI, pro rata based on their respective Interest Accrual Amounts, up to the Class FL Interest Accrual Amount and the Class LI Interest Accrual Amount for such Distribution Date
2. To FL, in reduction of its Class Principal Balance, up to the amount of the Class FL Principal Distribution Amount for such Distribution Date, until retired
3. To LI, until the Class LI 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 IL and LF, pro rata based on their respective Interest Accrual Amounts, up to the Class IL Interest Accrual Amount and the Class LF Interest Accrual Amount for such Distribution Date
2. To LF, in reduction of its Class Principal Balance, up to the amount of the Class LF Principal Distribution Amount for such Distribution Date, until retired
3. To IL, until the Class IL 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 FM and MI, pro rata based on their respective Interest Accrual Amounts, up to the Class FM Interest Accrual Amount and the Class MI Interest Accrual Amount for such Distribution Date
2. To FM, in reduction of its Class Principal Balance, up to the amount of the Class FM Principal Distribution Amount for such Distribution Date, until retired
3. To MI, until the Class MI 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 IM and MF, pro rata based on their respective Interest Accrual Amounts, up to the Class IM Interest Accrual Amount and the Class MF Interest Accrual Amount for such Distribution Date
2. To MF, in reduction of its Class Principal Balance, up to the amount of the Class MF Principal Distribution Amount for such Distribution Date, until retired
3. To IM, until the Class IM Deferred Interest Amount is reduced to zero

SECURITY GROUP 17

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

1. Concurrently, to FN, NF and NI, pro rata based on their respective Interest Accrual Amounts, up to the Class FN Interest Accrual Amount, the Class NF Interest Accrual Amount and the Class NI Interest Accrual Amount for such Distribution Date
2. Concurrently, to FN and NF, pro rata based on their respective Class Principal Balances, in reduction of their Class Principal Balances, up to the amount of the Group 17 Principal Distribution Amount for such Distribution Date, until retired
3. To NI, until the Class NI Deferred Interest Amount is reduced to zero

SECURITY GROUP 18

The Group 18 Available Distribution Amount will be allocated in the following order of priority:

1. Concurrently, to FP, PF and PI, pro rata based on their respective Interest Accrual Amounts, up to the Class FP Interest Accrual Amount, the Class PF Interest Accrual Amount and the Class PI Interest Accrual Amount for such Distribution Date
2. Concurrently, to FP and PF, pro rata based on their respective Class Principal Balances, in reduction of their Class Principal Balances, up to the amount of the Group 18 Principal Distribution Amount for such Distribution Date, until retired
3. To PI, until the Class PI Deferred Interest Amount is reduced to zero

Available Distribution Amount: For each of Security Groups 1 and 4 through 18, 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 Group or Subgroup, as applicable, HECM MBS or Ginnie Mae Platinum Certificate backed by HECM MBS, as applicable, and (B) the Certificate Factor (including Ginnie Mae Platinum Factor) or Calculated Certificate Factor, as applicable, for the preceding Distribution Date and (ii) the interest accrued with respect to such HECM MBS or Ginnie Mae Platinum Certificate backed by HECM MBS, as applicable, for the related Accrual Period over (b) the product of (i) the original principal amount of such HECM MBS or Ginnie Mae Platinum Certificate backed by HECM MBS, as applicable, and (ii) the Certificate Factor (including Ginnie Mae Platinum Factor) or Calculated Certificate Factor, as applicable, for the current Distribution Date. For each of Security Groups 2 and 3, with respect to each Distribution Date, the amounts received in respect of the Group 2 and 3 Trust Assets, as applicable, on such Distribution Date.

For purposes of the definitions herein, the following Security and Trust Asset Groups or Subgroups and Classes or Components are related and categorized as follows:

Security Group	Trust Asset Group or Subgroup	Interest Only Classes or Components	Principal Bearing Classes or Components	
			Stripped Principal Bearing Classes or Components	Other Principal Bearing Classes
1	1A	IA1	AF	N/A
1	1B	IA2	CF1	N/A
1	1C	AI1	CF2	N/A
1	1D	AI2	CF3, FA	N/A
2	2	CI	N/A	N/A
3	3A	BI1	FB	N/A
3	3B	BI2	BF	N/A
3	3C	BI3	FC	N/A
4	4	DI	FD	N/A
5	5	EI	FE	N/A
6	6	IE	EF	N/A
7	7	GI	FG	N/A
8	8	IG	GF	N/A
9	9	HI	FH	N/A
10	10	IH	HF	N/A
11	11	JI	FJ	N/A
12	12	IJ	JF, KF	N/A
13	13	LI	FL	N/A
14	14	IL	LF	N/A
15	15	MI	FM	N/A
16	16	IM	MF	N/A
17	17	NI	FN, NF	N/A
18	18	PI	FP, PF	N/A

Deferred Interest Amount for each Interest Only Class or Component (other than Class CI and the MX Classes): With respect to any Distribution Date, the excess, if any, of (i) the sum of all Interest Accrual Amounts for such Interest Only Class or Component for each Accrual Period ending before such Distribution Date over (ii) the sum of (a) all amounts distributed in respect of such Class or Component on all prior Distribution Dates plus (b) the amount distributed as an Interest Accrual Amount in respect of such Class or Component on such Distribution Date, as specified for the related Security Group in “Terms Sheet — Distributions” in this Supplement. 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.

Deferred Interest Amount for Class CI: As of the Closing Date, equals approximately \$97,116, which represents the sum of the deferred interest amounts of the Underlying Certificates in Trust Asset Group 2. With respect to any Distribution Date after the Closing Date, the excess, if any, of (i) the sum of the Class CI Deferred Interest Amount as of the Closing Date plus all Interest Accrual Amounts for such Interest Only Class for each Accrual Period ending before such Distribution Date over (ii) the sum of (a) all amounts distributed in respect of such Class on all prior Distribution Dates plus (b) the amount distributed as an Interest Accrual Amount in respect of such Class on such Distribution Date, as specified for the related Security Group in “Terms Sheet — Distributions” in this Supplement. 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.

Deferred Interest Amount for Classes IB, IC, ID, IK, IN, IO, IP and KI: With respect to any Distribution Date, the sum of the Deferred Interest Amounts for the related REMIC Classes shown on Schedule I to this Supplement.

Interest Accrual Amount for each Interest Only Class or Component (other than the MX Classes): For any Distribution Date, interest accrued during the related Accrual Period for such Distribution Date at the related Interest Rate on the Class Notional Balance of such Class or Component as of the related Record Date.

Interest Accrual Amount for Classes A, B, DF, FQ, IB, IC, ID, IK, IN, IO, IP and KI: For any Distribution Date, the sum of the Interest Accrual Amounts for the related REMIC Classes shown on Schedule I to this Supplement.

Interest Accrual Amount for Principal Bearing Classes and Components (other than the MX Classes): 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 such Class or Component as of the related Record Date.

Principal Distribution Amount for each Stripped Principal Bearing Class or Component (other than Classes FA, FN, FP, JF, KF, NF and PF and Component CF3): For any Distribution Date, the product of (i) the excess, if any, of (a) the related Group or Subgroup Available Distribution Amount for such Distribution Date over (b) the sum of the Interest Accrual Amount for the Stripped Principal Bearing Class or Component and the Interest Accrual Amount for the related Interest Only Class or Component for such Distribution Date, and (ii) the quotient of (a) the Class Principal Balance of the Stripped Principal Bearing Class or Component as of the related Record Date divided by (b) the sum of (x) the Class Principal Balance of the Stripped Principal Bearing Class or Component as of the related Record Date and (y) the Deferred Interest Amount of the related Interest Only Class or Component as of the related Record Date.

Principal Distribution Amount for Groups 12, 17 and 18 and Subgroup 1D Trust Assets: For any Distribution Date, the product of (i) the excess, if any, of (a) the related Group or Subgroup Available Distribution Amount for such Distribution Date over (b) the sum of the Interest Accrual Amounts for all related Principal Bearing Classes or Components and the Interest Accrual Amount for the related Interest Only Class or Component for such Distribution Date, and (ii) the quotient of (a) the sum of the Class Principal Balances of all related Principal Bearing Classes or Components as of the related Record Date divided by (b) the sum of (x) the Class Principal Balance of all related Principal Bearing Classes or Components as of the related Record Date and (y) the Deferred Interest Amount of the related Interest Only Class or Component as of the related Record Date.

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, the outstanding principal balance or notional balance of the related Trust Asset Group, Groups or Subgroups indicated:

Class	Original Class Notional Balance	Represents Approximately
Security Group 1		
AI	\$ 32,746,570	100% of the Subgroup 1C Trust Assets and the Subgroup 1D Trust Assets (in the aggregate)
IA	145,613,605	100% of the Subgroup 1A Trust Assets and the Subgroup 1B Trust Assets (in the aggregate)
IO	178,360,175	100% of the Group 1 Trust Assets
Security Group 2		
CI	66,304,159	100% of the Group 2 Trust Assets

Class	Original Class Notional Balance	Represents Approximately
Security Group 3		
BI	\$ 86,375,103	100% of the Group 3 Trust Assets
Security Groups 1 and 3		
IB	119,121,673	100% of the Subgroup 1C Trust Assets, the Subgroup 1D Trust Assets and the Group 3 Trust Assets (in the aggregate)
Security Group 4		
DI	7,777,777	100% of the Group 4 Trust Assets
Security Group 5		
EI	25,000,000	100% of the Group 5 Trust Assets
Security Group 6		
IE	2,946,156	100% of the Group 6 Trust Assets
Security Group 7		
GI	1,917,030	100% of the Group 7 Trust Assets
Security Groups 6 and 7		
IC	4,863,186	100% of the Group 6 Trust Assets and the Group 7 Trust Assets (in the aggregate)
Security Group 8		
IG	41,299,145	100% of the Group 8 Trust Assets
Security Group 9		
HI	10,000,000	100% of the Group 9 Trust Assets
Security Groups 6, 7, 8 and 9		
IP	56,162,331	100% of the Group 6 Trust Assets, the Group 7 Trust Assets, the Group 8 Trust Assets and the Group 9 Trust Assets (in the aggregate)
Security Groups 8 and 9		
ID	51,299,145	100% of the Group 8 Trust Assets and the Group 9 Trust Assets (in the aggregate)
Security Group 10		
IH	14,985,289	100% of the Group 10 Trust Assets
Security Group 11		
JI	16,018,927	100% of the Group 11 Trust Assets
Security Group 12		
IJ	51,025,545	100% of the Group 12 Trust Assets
Security Group 13		
LI	10,000,000	100% of the Group 13 Trust Assets
Security Group 14		
IL	5,000,000	100% of the Group 14 Trust Assets
Security Group 15		
MI	22,000,000	100% of the Group 15 Trust Assets
Security Group 16		
IM	7,000,000	100% of the Group 16 Trust Assets
Security Group 17		
NI	55,000,000	100% of the Group 17 Trust Assets

Class	Original Class Notional Balance	Represents Approximately
Security Groups 11, 12, 14, 15, 16 and 17		
IN	\$ 6,418,927	40.0708923887% of the Group 11 Trust Assets
	51,025,545	100% of the Group 12 Trust Assets
	5,000,000	100% of the Group 14 Trust Assets
	22,000,000	100% of the Group 15 Trust Assets
	7,000,000	100% of the Group 16 Trust Assets
	55,000,000	100% of the Group 17 Trust Assets
	<u>\$146,444,472</u>	
Security Group 18		
PI	11,000,000	100% of the Group 18 Trust Assets
Security Groups 10, 11, 12, 13, 14, 15, 16, 17 and 18		
KI	\$ 14,985,289	100% of the Group 10 Trust Assets
	6,418,927	40.0708923887% of the Group 11 Trust Assets
	51,025,545	100% of the Group 12 Trust Assets
	10,000,000	100% of the Group 13 Trust Assets
	5,000,000	100% of the Group 14 Trust Assets
	22,000,000	100% of the Group 15 Trust Assets
	7,000,000	100% of the Group 16 Trust Assets
	55,000,000	100% of the Group 17 Trust Assets
	11,000,000	100% of the Group 18 Trust Assets
	<u>\$182,429,761</u>	
Security Groups 10, 13 and 18		
IK	35,985,289	100% of the Group 10 Trust Assets, the Group 13 Trust Assets and the Group 18 Trust Assets (in the aggregate)

Component Classes: For purposes of calculating distributions of principal and interest, as applicable, Classes AI, BI, CF and IA are comprised of multiple components having the designations and characteristics set forth below. Components are not separately transferable from the related Class of Securities.

Group	Class	Components	Principal Type	Interest Type	Interest Rate	Original Principal or Notional Balance
1	AI	AI1	NTL(HPT)	HWAC/IO/DLY	(1)	\$ 4,961,152
		AI2	NTL(HPT)	HWAC/IO/DLY	(1)	27,785,418
1	CF	CF1	HPT	FLT/HWAC/HZ	(2)	\$ 6,095,612
		CF2	HPT	FLT/HWAC/HZ	(2)	4,961,152
		CF3	HPT	FLT/HWAC/HZ	(2)	443,236
1	IA	IA1	NTL(HPT)	HWAC/IO/DLY	(1)	\$139,517,993
		IA2	NTL(HPT)	HWAC/IO/DLY	(1)	6,095,612
3	BI	BI1	NTL(SC/HPT)	HWAC/IO/DLY	(1)	\$ 47,823,561
		BI2	NTL(SC/HPT)	HWAC/IO/DLY	(1)	15,009,415
		BI3	NTL(SC/HPT)	HWAC/IO/DLY	(1)	23,542,127

(1) See “Terms Sheet — Interest Rates” and “— Interest Rate for each Interest Only Class or Component (other than Class CI and the MX Classes)” in this Supplement.

(2) See “Terms Sheet — Interest Rates” in this Supplement.

Tax Status: Double REMIC Series as to each of the following Groups of Trust Assets and related Trust REMICs:

Trust Assets	Trust REMIC
Group 1 Trust Assets	Group 1 Pooling REMIC and Group 1 Issuing REMIC
Group 2 Trust Assets	Group 2 Pooling REMIC and Group 2 Issuing REMIC
Group 3 Trust Assets	Group 3 Pooling REMIC and Group 3 Issuing REMIC
Group 4 through 18 Trust Assets	Group 4 through 18 Pooling REMIC and Group 4 through 18 Issuing REMIC

Separate REMIC elections will be made as to each of the Trust REMICs identified above. See *“Certain United States Federal Income Tax Consequences” in this Supplement and in the Base Offering Circular.*

Regular and Residual Classes: Classes RR, RR1, RR2 and RR3 are Residual Classes. Each of the Residual Classes represents the Residual Interest of the related Trust REMICs, as described under *“Certain United States Federal Income Taxes — Residual Securities”* in this Supplement. 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 Underlying Certificate WACR of the subgroup 3A, 3B and 3C trust assets may limit the amount of interest distributed to or accrued on the related floating rate and notional classes. The interest entitlements of Classes BF, FB and FC, as applicable, are capped at rates that are less than the Underlying Certificate WACR of the related trust assets, which are underlying certificates. In turn, the interest entitlements of each of the underlying certificates included in trust asset subgroup 3A, 3B and 3C are capped at the WACR of its related underlying trust assets, in each case as described in the related underlying certificate disclosure document. If the Underlying Certificate WACR of the

subgroup 3A, 3B or 3C trust asset is equal to or lower than the interest rates on the related floating rate classes 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 BI may be reduced because the components of such class are entitled to receive the excess of interest accrued in respect of the related trust assets over the interest accrued on the related floating rate classes. In addition, if the Underlying Certificate WACR of the subgroup 3A, 3B or 3C trust asset is lower than the interest rate on BF, FB and FC, as applicable, based on its related 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 less than the Underlying Certificate WACR of the related trust asset.

The levels of any interest rate indices applicable to the Trust Assets or securities will affect payments and yields on the securities. If any interest rate index applicable to the Trust Assets or the securities performs differently from what you expect, the yield on your securities may be lower than you expect. Lower levels of any applicable interest rate index may reduce the yield on floating rate securities. You should bear in mind that the timing of changes in any applicable interest rate index may also affect your yield: generally the earlier a change in an applicable interest rate index occurs, the greater the effect such change will have on your yield. It is doubtful that any applicable interest rate index will remain constant.

In addition, higher levels of any interest rate index applicable to adjustable rate HECMs will increase the rate at which such 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.

The applicable interest rate indices for the Trust Assets and securities are identified under “Terms Sheet — Trust Assets” and “— Interest Rates” in this supplement.

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 securities. If the applicable interest rate indices increase to a sufficiently high level, the interest rates on the adjustable rate HECMs related to the participations directly or indirectly underlying the 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. The application of any caps on the adjustable rate HECMs may significantly impact the interest rates on the interest only classes or components because the interest entitlement of such classes or components of securities is entirely dependent on the WACR or Underlying Certificate WACR of the related trust asset group or subgroup.

The maximum rate on each floating rate class or component could limit the amount of interest that accrues on such class or component. Each of Classes AF, BF, FA, FB and FC is subject to a maximum rate which is equal to the related maximum rate set forth under “Terms Sheet — Interest Rates” for that class, which is less than the WACR or Underlying Certificate WACR for the related trust asset subgroup. If 30-day Average SOFR exceeds certain levels, the interest rate on each of Classes AF, BF, FA, FB and FC 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 or Underlying Certificate WACR for the related trust asset subgroup. The maximum rate on each of Classes DF and FQ is limited by the interest accrued on its related REMIC classes. If 30-day Average SOFR exceeds certain levels, the interest rate on each of Classes DF and FQ will be capped to the extent that the interest rates on its related REMIC classes are capped as described in the preceding or next sentence, as applicable. Each Floating Rate Class or Component (other than AF, BF, DF, FA, FB, FC and FQ) is subject to a maximum rate that is equal to the WACR for the related trust asset group or subgroup.

The mortgage interest rate index for the HECMs related to the participations directly or indirectly underlying the group 1 and 3 through 18 trust assets is different than the interest rate index for the related securities, which may impact, perhaps significantly, the amount of interest distributable to the group 1 and 3 through 18 securities after any applicable initial fixed rate period of the related HECMs. Because of the differences

in how, when and how often the applicable interest rate index for such HECMs is determined compared to how, when and how often the related securities interest rate index is determined, there may be a mismatch between the interest rates on the group 1 and 3 through 18 trust assets and the interest rates on the related securities. In addition, the HECMs related to the group 1 and 3 through 18 trust assets may have different monthly or annual interest rate adjustment dates, which may affect the WACR of the related HECM MBS and the interest entitlements of the group 1 and 3 through 18 trust assets and may magnify the difference between the WACR of the group 1 and 3 through 18 trust assets and the interest rates on the related securities.

If the applicable interest rate index for such HECM MBS is lower than the related securities interest rate index for any accrual period, interest accruals with respect to the related notional class or component may be reduced because such notional class or component is entitled to receive the excess of interest accrued in respect of the related trust assets, as applicable, over the interest distributable to the related floating rate class, classes or components. In addition, if the applicable interest rate index for such HECMs is significantly lower than the related securities interest rate index for any accrual period, interest accruing on the related floating rate class, classes or components may be reduced because the interest rate on such floating rate class, classes or components is capped at a rate equal to the WACR or Underlying Certificate WACR of the related trust assets. In the event that the applicable interest rate index for such HECMs is higher than the related securities interest rate index, interest accruing on the related floating rate class, classes or components may 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 or notional balance of the underlying certificates will directly affect the rate of reduction or increase in the principal and notional balances of the group 2 and 3 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 documents.

An investment in the 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 30-day Average 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 securities may fluctuate more than debt securities linked to less volatile indices.

30-day Average SOFR and CME Term SOFR are relatively new market indices and the 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. Market terms for securities indexed to 30-day Average SOFR or CME Term SOFR may evolve over time, and trading prices of some securities indexed to 30-day Average SOFR or CME Term SOFR may be lower than those of later-issued securities as a result. Similarly, if 30-day Average SOFR or CME Term SOFR does not prove to be widely used in similar securities, the trading price of related SOFR-Based Classes may be lower than those of securities linked to indices that are more widely used. Investors in SOFR-Based Classes may not be able to sell their securities at all or may not be able to sell their securities at prices that will provide them with a yield comparable to similar investments that have a developed secondary market, and may consequently suffer from increased pricing volatility and market risk.

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

Interest on the floating rate securities will be determined using a replacement rate if 30-day Average SOFR is no longer available, which could adversely affect the value of your investment in the securities. 30-day Average SOFR is published by the Federal Reserve Bank of New York based on data received from other sources, and neither Ginnie Mae nor the trustee has any control over its determination, calculation or publication. The activities of the Federal Reserve Bank of New York may directly affect prevailing 30-day Average SOFR in unpredictable ways. There can be no guarantee that 30-day Average SOFR will not be discontinued or fundamentally altered in a manner that is materially adverse to the interests of holders of securities indexed to 30-day Average SOFR. If the manner in which 30-day Average SOFR is calculated is changed or if 30-day Average SOFR is discontinued, that change or discontinuance may result in a reduction of the amount of interest payable on applicable SOFR-Based Classes and the trading prices of such Classes.

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 30-day Average SOFR at any time without notice. There can be no assurance that

30-day Average SOFR will not be discontinued or fundamentally altered in a manner that is materially adverse to the interests of investors in the securities.

If 30-day Average 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 — Benchmark Replacement” 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 — Benchmark Replacement” in the Base Offering Circular. This could reduce the amount of interest payable on the floating rate securities, which could adversely affect the return on, value of, and market for, the securities. Furthermore, there can be no assurance that the characteristics of any replacement rate will be similar to 30-day Average SOFR or that any replacement rate will produce the economic equivalent of 30-day Average SOFR.

The securities may not be a suitable investment for you. The securities, especially Class B and the group 2 and 3 securities and, in particular, the interest only, component 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 that 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 or Ginnie Mae Platinum Certificate 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 the Underlying Certificates, will evidence, directly or indirectly, Ginnie Mae Certificates.

The Trust MBS (Groups 1 and 4 through 18)

The Group 1 and 4 through 18 Trust Assets are HECM MBS or Ginnie Mae Platinum Certificates backed by 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 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 or Platinum Certificate 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 or Platinum Certificate 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.

Ginnie Mae Platinum Program. Under the Ginnie Mae Platinum Program, the holder of a number of Ginnie Mae I Certificates or Ginnie Mae II Certificates may deposit those certificates into a trust, and in each case, the depositor will receive a larger denominated Ginnie Mae Platinum Certificate. If the Ginnie Mae I Certificates or Ginnie Mae II Certificates deposited bear a fixed rate of interest, then all certificates (other than HECM MBS) deposited must bear the same fixed rate. Fixed rate HECM MBS may be combined with other fixed rate HECM MBS in exchange for a Ginnie Mae Platinum Certificate that bears interest at the weighted average coupon of the deposited HECM MBS. Adjustable rate Ginnie Mae II Certificates may be combined with other adjustable rate Ginnie Mae II Certificates with the same index and periodic and lifetime caps, but without regard to interest rate or payment adjustment dates, in exchange for a Ginnie Mae Platinum Certificate that bears interest at the weighted average coupon of the deposited

Ginnie Mae II Certificates. For purposes of the Base Offering Circular and this Offering Circular Supplement, (a) the term “Ginnie Mae I Certificate” means a Ginnie Mae I MBS Certificate or a Ginnie Mae Platinum Certificate backed by Ginnie Mae I MBS Certificates, and (b) the term “Ginnie Mae II Certificate” means a Ginnie Mae II MBS Certificate or a Ginnie Mae Platinum Certificate backed by Ginnie Mae II MBS Certificates.

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 (Groups 2 and 3)

The Group 2 and 3 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 1 and 4 through 18 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 the Underlying Certificates 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, 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 pre-paid 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 interest rate index for the HECMs related to the participations directly or indirectly underlying the group 1 and 3 through 18 trust assets is different than the interest rate index for the related securities, which may impact, perhaps significantly, the amount of interest distributable to the group 1 and 3 through 18 securities after any applicable 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 1 and 4 through 18 Trust Assets,” “Terms Sheet — Assumed Characteristics of the HECMs and the Participations Underlying the Group 2 and 3 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 and Components

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, and Components will be categorized as shown above under “Terms Sheet — Component Classes” in 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
Delay Classes	The calendar month preceding the related Distribution Date
Floating Rate Classes and Classes B, IH, IJ, IK, IL, IM, IN, JI, KI, LI, MI, NI and PI	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

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 and Components will be based on 30-day Average SOFR. The Trustee or its agent will determine 30-day Average SOFR as described under “Description of the Securities — Interest Rate Indices — Determination of 30-day Average SOFR” in the Base Offering Circular.

If 30-day Average 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 — Benchmark Replacement” 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 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 securities” in this Supplement and “Risk Factors — The mortgage interest rate index for the HECMs related to the participations directly or indirectly underlying the group 1 and 3 through 18 trust assets is different than the interest rate index for the related securities, which may impact, perhaps significantly, the amount of interest distributable to the group 1 and 3 through 18 securities after any applicable initial fixed rate period of the related HECMs” in this Supplement. With respect to the Participations underlying the Group 3 Trust Assets, see “Risk Factors — The Underlying Certificate WACR of the subgroup 3A, 3B and 3C trust assets 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 30-day Average SOFR and its calculation of the Interest Rates will be final except in the case of clear error. Investors can obtain 30-day Average 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, BF, CF, EF, FA, FB, FC, FD, FE, FG, FH, FJ, FL, FM, FN, FP, GF, HF, JF, KF, LF, MF, NF and PF is a HECM MBS Accrual Class. Interest will accrue on each HECM MBS Accrual Class or Component 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 or Component 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 or Component. Any such amounts distributable to the Holders of a Notional Class or Component will be paid no later than the Final Distribution Date of such Notional Class or Component.

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 and Components

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, and Components will be categorized as shown above under “Terms Sheet — Component Classes” in 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.

Component Classes

Each of Classes AI, BI, CF and IA is a Component Class and has Components with the designations and characteristics shown under “Terms Sheet — Component Classes” in this Supplement. Components will not be separately issued or transferable.

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 Residual 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 Residual Securities have no Class Principal Balance and do not accrue interest. The Residual 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 A and Class B Securities, any addition resulting from an increase in the Class DI Deferred Interest Amount and the Class JI Deferred Interest Amount, as applicable) or any addition to or reduction of Class Notional Balance on that Distribution Date (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. The exercise of this option may be influenced by a number of factors, including but not limited to, the value of the Trust Assets then remaining in the Trust and general market conditions. The Trustee will be entitled to retain all proceeds and any other amounts in excess of the termination price payable to the Securities under the Trust Agreement.

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 2 Issuing and Pooling REMICs	Group 2 Securities
Group 3 Issuing and Pooling REMICs	Group 3 Securities
Group 4 through 18 Issuing and Pooling REMICs	Group 4 through 18 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, 2 and 3, 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, in the case of the Group 1 and 3 Securities, or the aggregate of the Class BI Deferred Interest Amount, the Class GI Deferred Interest Amount, the Class HI Deferred Interest Amount, the Class ID Deferred Interest Amount and the Class KI Deferred Interest Amount (as each term is defined in the related Underlying Certificate Disclosure Document), in the case of the Group 2 Securities, 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 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 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.

Class B is a HECM MBS Weighted Average Coupon Class that will accrue interest as described under “Terms Sheet — Interest Rates” in this Supplement. In the event that the Interest Rate of such MX Class will equal or exceed 1,200% per annum for any Accrual Period, the Trustee will, prior to the close of business on the last Business Day of the calendar month immediately preceding the related Distribution Date, effect a mandatory exchange of that MX Class for its related REMIC Securities. Thereafter, no further exchanges of such REMIC Securities will be permitted.

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 USBGNMATEam@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 2024-H20. 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 a mandatory exchange described above; and provided further, 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 twelve-month Adjusted CME Term SOFR (“One-Year Adjusted CME Term SOFR”) 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 2 and 3 Securities are urged to review the discussion under “*Risk Factors — The rate of reduction or increase in the principal or notional balance of the underlying certificates will directly affect the rate of reduction or increase in the principal and notional balances of the group 2 and 3 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 1 and 4 through 18 Trust Assets have the assumed characteristics shown in Exhibit A, and the HECMs and related Participations underlying the Group 2 and 3 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 November 2024.
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 December 2024.
5. A termination of the Trust, any Trust REMIC or any Underlying Trust does not occur.
6. The Closing Date for the Securities is November 29, 2024.
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 1 and 4 through 18 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 1 and 4 through 18 adjustable rate HECMs for the first Distribution Date is based on the information set forth in Exhibit A. The Interest Rates on the Group 1 and 4 through 18 Floating Rate Securities will adjust monthly. For purposes of the Group 1 and 4 through 18 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 shown of the applicable index shown in Exhibit A with respect to any such decrement table is used to calculate the interest rate with respect to the Group 1 and 4 through 18 HECMs, while on all Distribution Dates occurring after the first Distribution Date, the constant value shown of the applicable index shown in the Terms Sheet with respect to any such decrement table is used to calculate the interest rate with respect to the applicable Class.
12. The initial Interest Rate on the Group 2 Securities will be based on the initial rate as shown under “Terms Sheet — Interest Rates” in this Supplement; however, the interest rate on the Group 2 adjustable rate HECMs for the first Distribution Date is based on the information set forth in Exhibit E. For purposes of the Group 2 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 shown of One-Year Adjusted CME Term SOFR with respect to any such decrement table is used to calculate (1) the interest rate with respect to the Group 2 HECMs, (2) on all Distribution Dates occurring after the first Distribution Date, the interest rate with respect to the applicable Class and (3) for each Accrual Period beginning with the Accrual Period related to the Distribution Date in (i) February 2025, the interest rate with respect to the Subgroup 2A and 2B Trust Assets, (ii) November 2025, the interest rate with respect to the Subgroup 2C Trust Asset, (iii) September 2025, the interest rate with respect to the Subgroup 2D Trust Asset and (iv) October 2025, the interest rate with respect to the Subgroup 2E Trust Asset.
13. The initial Interest Rates on the Group 3 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 3 adjustable rate HECMs for the first Distribution Date is based on the information set forth in Exhibit E. The Interest Rates on the Group 3 Floating Rate Securities will adjust monthly. For purposes of the Group 3 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 shown of the applicable index shown in Exhibit E with respect to any such decrement table is used to calculate the interest rate with respect to the Group 3 HECMs, while on all Distribution Dates occurring after the first Distribution Date, the constant value shown of the applicable index shown in the Terms Sheet with respect to any such decrement table is used to calculate the interest rate with respect to the applicable Class and the Group 3 Trust Assets.

14. The HECMs and the Participations underlying the Group 2 Trust Assets and, in the case of Pools CP1828, CQ9580, DE0726 and DE1243, the Group 6 and Group 12 Trust Assets 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 1, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17 and 18 Trust Assets (other than Pools CP1828 and CQ9580 included in Trust Asset Group 6 and Pools DE0726 and DE1243 included in Trust Asset Group 12).

15. 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.

16. No borrower changes payment plans.

17. Each Class is held from the Closing Date and is not exchanged in whole or in part, including that there is no mandatory exchange of Class B.

18. 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.

19. As of the Closing Date, the Cumulative Deferred Interest Amount for each Group 2 Trust Asset is set forth on Exhibit D.

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.
- 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-Year Adjusted CME Term SOFR, 30-day Average 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-Year Adjusted CME Term SOFR, 30-day Average SOFR and One-Year CMT, 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 AF 4.81000% 30-day Average SOFR 4.31000% One-Year CMT					Class AF 10.80000% 30-day Average SOFR 9.83500% One-Year CMT					Class AF 16.79000% 30-day Average SOFR 15.36000% 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
November 2025 . . .	106	103	101	100	99	111	108	106	105	104	111	108	106	105	104
November 2026 . . .	112	102	99	95	92	124	112	109	105	101	124	112	109	105	101
November 2027 . . .	119	99	93	87	81	139	115	108	101	94	139	115	108	101	94
November 2028 . . .	126	95	86	78	70	155	116	105	94	84	155	116	105	94	85
November 2029 . . .	133	90	78	67	58	173	115	100	86	74	173	115	100	86	74
November 2030 . . .	140	84	69	57	46	187	110	91	74	60	187	110	91	74	61
November 2031 . . .	148	77	61	47	36	126	64	50	39	30	126	64	50	39	30
November 2032 . . .	157	70	52	38	27	35	15	11	8	6	35	15	11	8	6
November 2033 . . .	166	63	44	30	20	1	0	0	0	0	1	0	0	0	0
November 2034 . . .	173	55	36	23	14	0	0	0	0	0	0	0	0	0	0
November 2035 . . .	120	32	19	11	6	0	0	0	0	0	0	0	0	0	0
November 2036 . . .	111	24	13	7	4	0	0	0	0	0	0	0	0	0	0
November 2037 . . .	84	14	7	4	2	0	0	0	0	0	0	0	0	0	0
November 2038 . . .	32	4	2	1	0	0	0	0	0	0	0	0	0	0	0
November 2039 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2040 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2041 and thereafter . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	12.4	9.4	8.0	6.9	6.0	7.4	7.2	6.8	6.3	5.8	7.4	7.1	6.8	6.3	5.8

**Security Group 1
PPC Prepayment Assumption Rates**

Distribution Date	Class AI* 4.81000% 30-day Average SOFR 4.31000% One-Year CMT					Class AI* 10.80000% 30-day Average SOFR 9.83500% One-Year CMT					Class AI* 16.79000% 30-day Average SOFR 15.36000% 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
November 2025 . . .	106	98	95	92	90	111	103	100	97	94	112	103	100	97	94
November 2026 . . .	113	95	89	83	78	125	104	98	92	85	125	104	98	92	86
November 2027 . . .	121	90	81	73	65	140	104	94	84	75	140	105	94	85	76
November 2028 . . .	128	85	73	62	53	128	85	74	64	54	126	84	73	63	54
November 2029 . . .	137	78	64	52	42	141	83	68	56	45	140	81	67	55	44
November 2030 . . .	125	63	49	38	29	148	74	58	45	34	148	74	58	45	34
November 2031 . . .	126	54	40	29	20	14	6	5	3	2	14	6	5	3	2
November 2032 . . .	134	48	33	22	15	12	4	3	2	1	12	4	3	2	1
November 2033 . . .	142	42	27	17	10	13	4	3	2	1	14	4	3	2	1
November 2034 . . .	113	28	17	10	5	15	4	2	1	1	15	4	2	1	1
November 2035 . . .	117	24	13	7	4	2	0	0	0	0	2	0	0	0	0
November 2036 . . .	10	2	1	0	0	2	0	0	0	0	2	0	0	0	0
November 2037 . . .	11	1	1	0	0	2	0	0	0	0	2	0	0	0	0
November 2038 . . .	12	1	0	0	0	2	0	0	0	0	2	0	0	0	0
November 2039 . . .	13	1	0	0	0	2	0	0	0	0	2	0	0	0	0
November 2040 . . .	13	1	0	0	0	2	0	0	0	0	2	0	0	0	0
November 2041 . . .	14	1	0	0	0	3	0	0	0	0	3	0	0	0	0
November 2042 . . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2043 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2044 . . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2045 . . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2046 . . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2047 . . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2048 . . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2049 . . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2050 . . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2051 . . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2052 . . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2053 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2054 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2055 and thereafter . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	10.8	7.6	6.3	5.4	4.6	6.6	6.0	5.5	4.9	4.4	6.6	5.9	5.5	4.9	4.4

* The decrement tables for Class AI reflect only the Class AI Notional Balance at various rates of PPC and at various levels of 30-day Average SOFR and One-Year CMT. 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 1
PPC Prepayment Assumption Rates**

Distribution Date	Class CF 4.81000% 30-day Average SOFR 4.31000% One-Year CMT					Class CF 10.80000% 30-day Average SOFR 9.83500% One-Year CMT					Class CF 16.79000% 30-day Average SOFR 15.36000% 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
November 2025 . . .	106	100	98	96	94	111	104	102	100	98	111	104	102	100	98
November 2026 . . .	112	98	93	88	84	123	107	102	96	91	124	107	102	97	92
November 2027 . . .	118	94	86	79	72	137	108	99	91	83	138	108	99	91	83
November 2028 . . .	125	89	79	69	60	152	106	94	82	72	153	107	94	82	72
November 2029 . . .	132	84	70	59	49	169	104	88	74	61	170	105	88	74	61
November 2030 . . .	138	77	61	49	38	186	100	80	64	50	188	101	81	64	50
November 2031 . . .	146	70	53	39	29	117	60	47	36	27	120	60	47	36	28
November 2032 . . .	154	63	45	31	22	9	4	3	2	2	10	4	3	2	2
November 2033 . . .	162	56	37	24	15	1	0	0	0	0	1	0	0	0	0
November 2034 . . .	96	31	20	13	8	1	0	0	0	0	1	0	0	0	0
November 2035 . . .	96	26	15	9	5	0	0	0	0	0	0	0	0	0	0
November 2036 . . .	96	21	12	6	3	0	0	0	0	0	0	0	0	0	0
November 2037 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2038 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2039 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2040 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2041 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2042 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2043 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2044 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2045 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2046 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2047 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2048 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2049 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2050 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2051 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2052 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2053 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2054 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2055 and thereafter . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	11.3	8.5	7.2	6.1	5.3	7.0	6.8	6.4	5.8	5.3	7.0	6.8	6.4	5.8	5.3

**Security Group 1
PPC Prepayment Assumption Rates**

Distribution Date	Class FA 4.81000% 30-day Average SOFR 4.31000% One-Year CMT					Class FA 10.80000% 30-day Average SOFR 9.83500% One-Year CMT					Class FA 16.79000% 30-day Average SOFR 15.36000% 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
November 2025 . . .	106	98	95	93	90	112	103	100	97	94	112	103	100	97	95
November 2026 . . .	112	95	89	83	78	125	105	99	92	86	125	105	99	93	87
November 2027 . . .	119	90	81	73	66	140	105	95	85	76	141	106	95	86	77
November 2028 . . .	126	85	73	63	53	124	84	73	63	54	122	82	72	62	53
November 2029 . . .	133	79	65	53	42	137	81	67	55	45	135	80	66	54	44
November 2030 . . .	118	62	48	37	28	141	72	57	44	34	141	72	57	44	34
November 2031 . . .	117	53	39	28	20	17	7	5	4	3	17	7	5	4	3
November 2032 . . .	123	47	33	22	15	14	5	4	2	2	14	5	4	2	2
November 2033 . . .	129	41	27	17	10	16	5	3	2	1	16	5	3	2	1
November 2034 . . .	126	33	20	12	6	18	4	3	2	1	18	4	3	2	1
November 2035 . . .	130	28	15	8	4	2	0	0	0	0	3	0	0	0	0
November 2036 . . .	12	2	1	0	0	3	0	0	0	0	2	0	0	0	0
November 2037 . . .	12	2	1	0	0	2	0	0	0	0	2	0	0	0	0
November 2038 . . .	13	1	1	0	0	2	0	0	0	0	2	0	0	0	0
November 2039 . . .	14	1	0	0	0	3	0	0	0	0	3	0	0	0	0
November 2040 . . .	14	1	0	0	0	3	0	0	0	0	3	0	0	0	0
November 2041 . . .	14	1	0	0	0	3	0	0	0	0	3	0	0	0	0
November 2042 . . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2043 . . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2044 . . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2045 . . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2046 . . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2047 . . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2048 . . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2049 . . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2050 . . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2051 . . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2052 . . .	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2053 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2054 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2055 and thereafter . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	11.0	7.7	6.4	5.4	4.7	6.7	6.0	5.6	5.0	4.5	6.6	5.9	5.5	5.0	4.4

**Security Group 1
PPC Prepayment Assumption Rates**

Distribution Date	Class IA* 4.81000% 30-day Average SOFR 4.31000% One-Year CMT					Class IA* 10.80000% 30-day Average SOFR 9.83500% One-Year CMT					Class IA* 16.79000% 30-day Average SOFR 15.36000% 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
November 2025 . . .	106	103	102	100	99	111	108	106	105	104	111	108	106	105	104
November 2026 . . .	113	102	99	95	92	124	112	109	105	101	124	113	109	105	101
November 2027 . . .	120	100	93	87	81	139	115	108	101	94	139	115	108	101	94
November 2028 . . .	128	95	86	78	70	155	116	105	94	84	155	116	105	94	85
November 2029 . . .	135	90	78	67	58	173	115	100	86	74	173	115	100	86	74
November 2030 . . .	144	84	69	57	46	188	110	91	74	61	188	110	91	75	61
November 2031 . . .	153	78	61	47	36	130	66	52	40	31	130	66	52	40	31
November 2032 . . .	162	71	52	38	27	35	15	11	8	6	35	15	11	8	6
November 2033 . . .	172	63	44	30	20	1	0	0	0	0	1	0	0	0	0
November 2034 . . .	180	55	36	23	14	0	0	0	0	0	0	0	0	0	0
November 2035 . . .	128	32	19	11	6	0	0	0	0	0	0	0	0	0	0
November 2036 . . .	119	25	14	7	4	0	0	0	0	0	0	0	0	0	0
November 2037 . . .	84	14	7	3	2	0	0	0	0	0	0	0	0	0	0
November 2038 . . .	32	4	2	1	0	0	0	0	0	0	0	0	0	0	0
November 2039 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2040 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2041 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2042 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2043 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2044 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2045 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2046 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2047 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2048 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2049 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2050 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2051 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2052 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2053 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2054 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2055 and thereafter . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	12.4	9.4	8.0	6.9	6.0	7.4	7.2	6.8	6.3	5.8	7.4	7.2	6.8	6.3	5.8

* The decrement tables for Class IA reflect only the Class IA Notional Balance at various rates of PPC and at various levels of 30-day Average 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 1
PPC Prepayment Assumption Rates**

Distribution Date	Class IO* 4.81000% 30-day Average SOFR 4.31000% One-Year CMT					Class IO* 10.80000% 30-day Average SOFR 9.83500% One-Year CMT					Class IO* 16.79000% 30-day Average SOFR 15.36000% 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
November 2025 . . .	106	102	100	99	97	111	107	105	104	102	111	107	105	104	102
November 2026 . . .	113	101	97	93	89	124	111	107	102	98	125	111	107	102	98
November 2027 . . .	120	98	91	85	78	139	113	105	98	91	139	113	106	98	91
November 2028 . . .	128	93	84	75	66	150	110	99	89	79	150	110	99	88	79
November 2029 . . .	135	88	75	64	55	167	109	94	80	68	167	109	94	80	68
November 2030 . . .	140	80	66	53	43	181	103	85	69	56	181	104	85	69	56
November 2031 . . .	148	73	57	44	33	109	55	43	33	25	109	55	43	33	26
November 2032 . . .	157	67	49	35	25	30	13	10	7	5	30	13	10	7	5
November 2033 . . .	166	59	41	28	18	3	1	1	0	0	3	1	1	0	0
November 2034 . . .	168	50	33	21	13	3	1	0	0	0	3	1	0	0	0
November 2035 . . .	126	31	18	11	6	0	0	0	0	0	0	0	0	0	0
November 2036 . . .	99	20	11	6	3	0	0	0	0	0	0	0	0	0	0
November 2037 . . .	71	12	6	3	1	0	0	0	0	0	0	0	0	0	0
November 2038 . . .	28	4	2	1	0	0	0	0	0	0	0	0	0	0	0
November 2039 . . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2040 . . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2041 . . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2042 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2043 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2044 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2045 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2046 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2047 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2048 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2049 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2050 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2051 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2052 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2053 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2054 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2055 and thereafter . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years) . . .	12.2	9.1	7.7	6.6	5.8	7.3	7.0	6.6	6.1	5.6	7.3	7.0	6.6	6.1	5.6

* The decrement tables for Class IO reflect only the Class IO Notional Balance at various rates of PPC and at various levels of 30-day Average 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 Group 2
PPC Prepayment Assumption Rates**

Distribution Date	Class CI* 4.32000% One-Year Adjusted CME Term SOFR					Class CI* 5.32000% One-Year Adjusted CME Term SOFR					Class CI* 6.51162% One-Year Adjusted CME Term SOFR				
	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
November 2025 . . .	107	90	85	79	74	107	91	85	80	74	108	91	85	80	74
November 2026 . . .	94	66	58	50	43	89	62	55	47	41	89	63	55	48	41
November 2027 . . .	44	26	21	17	13	45	26	21	17	13	40	23	19	15	12
November 2028 . . .	15	7	5	4	3	12	6	4	3	2	12	6	4	3	2
November 2029 . . .	12	4	3	2	1	12	5	3	2	1	13	5	3	2	1
November 2030 . . .	13	4	2	1	1	13	4	3	2	1	9	3	2	1	1
November 2031 . . .	8	2	1	1	0	9	2	1	1	0	9	2	1	1	0
November 2032 . . .	9	2	1	0	0	9	2	1	0	0	9	2	1	0	0
November 2033 . . .	9	1	1	0	0	10	1	1	0	0	10	1	1	0	0
November 2034 . . .	10	1	0	0	0	11	1	0	0	0	11	1	0	0	0
November 2035 . . .	10	1	0	0	0	11	1	0	0	0	12	1	0	0	0
November 2036 . . .	11	1	0	0	0	12	1	0	0	0	12	1	0	0	0
November 2037 . . .	12	0	0	0	0	13	0	0	0	0	13	1	0	0	0
November 2038 . . .	12	0	0	0	0	14	0	0	0	0	15	0	0	0	0
November 2039 . . .	13	0	0	0	0	15	0	0	0	0	16	0	0	0	0
November 2040 . . .	14	0	0	0	0	16	0	0	0	0	16	0	0	0	0
November 2041 . . .	15	0	0	0	0	17	0	0	0	0	17	0	0	0	0
November 2042 . . .	15	0	0	0	0	18	0	0	0	0	19	0	0	0	0
November 2043 . . .	17	0	0	0	0	19	0	0	0	0	19	0	0	0	0
November 2044 . . .	18	0	0	0	0	20	0	0	0	0	20	0	0	0	0
November 2045 . . .	18	0	0	0	0	20	0	0	0	0	13	0	0	0	0
November 2046 . . .	19	0	0	0	0	10	0	0	0	0	11	0	0	0	0
November 2047 . . .	19	0	0	0	0	5	0	0	0	0	5	0	0	0	0
November 2048 . . .	13	0	0	0	0	4	0	0	0	0	4	0	0	0	0
November 2049 . . .	4	0	0	0	0	3	0	0	0	0	4	0	0	0	0
November 2050 . . .	5	0	0	0	0	3	0	0	0	0	0	0	0	0	0
November 2051 . . .	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2052 . . .	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2053 . . .	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2054 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2055 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2056 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2057 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2058 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2059 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2060 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2061 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2062 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2063 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2064 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2065 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2066 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2067 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2068 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2069 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2070 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2071 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2072 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2073 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2074 and thereafter . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years) . . .	7.1	2.6	2.3	2.1	1.9	6.5	2.5	2.2	2.0	1.8	6.4	2.5	2.2	2.0	1.8

* The decrement tables for Class CI reflect only the Class CI Notional Balance at various rates of PPC and at various levels of One-Year Adjusted CME Term SOFR. 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 2
PPC Prepayment Assumption Rates**

Distribution Date	Class CI*					Class CI*				
	7.70325% One-Year Adjusted CME Term SOFR					8.89487% One-Year Adjusted CME Term SOFR				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
Initial Percent. . . .	100	100	100	100	100	100	100	100	100	100
November 2025 . . .	108	91	85	80	74	108	91	85	80	74
November 2026 . . .	89	63	55	48	41	89	63	55	48	41
November 2027 . . .	40	23	19	15	12	40	23	19	15	12
November 2028 . . .	12	6	4	3	2	12	6	4	3	2
November 2029 . . .	13	5	3	2	1	13	5	3	2	1
November 2030 . . .	9	3	2	1	1	9	3	2	1	1
November 2031 . . .	9	2	1	1	0	9	2	1	1	0
November 2032 . . .	9	2	1	0	0	9	2	1	0	0
November 2033 . . .	10	1	1	0	0	10	1	1	0	0
November 2034 . . .	11	1	0	0	0	11	1	0	0	0
November 2035 . . .	12	1	0	0	0	12	1	0	0	0
November 2036 . . .	12	1	0	0	0	12	1	0	0	0
November 2037 . . .	13	1	0	0	0	13	1	0	0	0
November 2038 . . .	15	0	0	0	0	15	0	0	0	0
November 2039 . . .	16	0	0	0	0	16	0	0	0	0
November 2040 . . .	16	0	0	0	0	16	0	0	0	0
November 2041 . . .	17	0	0	0	0	17	0	0	0	0
November 2042 . . .	19	0	0	0	0	19	0	0	0	0
November 2043 . . .	19	0	0	0	0	19	0	0	0	0
November 2044 . . .	20	0	0	0	0	20	0	0	0	0
November 2045 . . .	13	0	0	0	0	13	0	0	0	0
November 2046 . . .	11	0	0	0	0	11	0	0	0	0
November 2047 . . .	5	0	0	0	0	5	0	0	0	0
November 2048 . . .	4	0	0	0	0	4	0	0	0	0
November 2049 . . .	4	0	0	0	0	4	0	0	0	0
November 2050 . . .	0	0	0	0	0	0	0	0	0	0
November 2051 . . .	0	0	0	0	0	0	0	0	0	0
November 2052 . . .	0	0	0	0	0	0	0	0	0	0
November 2053 . . .	0	0	0	0	0	0	0	0	0	0
November 2054 . . .	0	0	0	0	0	0	0	0	0	0
November 2055 . . .	0	0	0	0	0	0	0	0	0	0
November 2056 . . .	0	0	0	0	0	0	0	0	0	0
November 2057 . . .	0	0	0	0	0	0	0	0	0	0
November 2058 . . .	0	0	0	0	0	0	0	0	0	0
November 2059 . . .	0	0	0	0	0	0	0	0	0	0
November 2060 . . .	0	0	0	0	0	0	0	0	0	0
November 2061 . . .	0	0	0	0	0	0	0	0	0	0
November 2062 . . .	0	0	0	0	0	0	0	0	0	0
November 2063 . . .	0	0	0	0	0	0	0	0	0	0
November 2064 . . .	0	0	0	0	0	0	0	0	0	0
November 2065 . . .	0	0	0	0	0	0	0	0	0	0
November 2066 . . .	0	0	0	0	0	0	0	0	0	0
November 2067 . . .	0	0	0	0	0	0	0	0	0	0
November 2068 . . .	0	0	0	0	0	0	0	0	0	0
November 2069 . . .	0	0	0	0	0	0	0	0	0	0
November 2070 . . .	0	0	0	0	0	0	0	0	0	0
November 2071 . . .	0	0	0	0	0	0	0	0	0	0
November 2072 . . .	0	0	0	0	0	0	0	0	0	0
November 2073 . . .	0	0	0	0	0	0	0	0	0	0
November 2074 and thereafter . . .	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	6.4	2.5	2.2	2.0	1.8	6.4	2.5	2.2	2.0	1.8

* The decrement tables for Class CI reflect only the Class CI Notional Balance at various rates of PPC and at various levels of One-Year Adjusted CME Term SOFR. 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 3
PPC Prepayment Assumption Rates**

Distribution Date	Class BF 4.81000% 30-day Average SOFR 4.31000% One-Year CMT					Class BF 10.59750% 30-day Average SOFR 9.83500% One-Year CMT					Class BF 16.38500% 30-day Average SOFR 15.36000% 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
November 2025 . . .	106	98	95	92	89	111	102	99	96	93	111	102	99	96	93
November 2026 . . .	112	94	88	82	77	123	103	96	90	84	123	103	96	90	84
November 2027 . . .	119	90	80	72	64	137	102	92	82	73	137	102	92	82	73
November 2028 . . .	126	84	72	61	52	151	99	85	73	61	151	99	85	73	61
November 2029 . . .	133	78	63	51	41	168	96	78	63	51	168	96	78	63	51
November 2030 . . .	139	70	54	41	31	20	10	8	6	4	20	10	8	6	4
November 2031 . . .	147	63	46	33	23	4	2	1	1	1	4	2	1	1	1
November 2032 . . .	156	57	38	25	16	4	1	1	1	0	4	1	1	1	0
November 2033 . . .	157	47	30	18	11	3	1	1	0	0	3	1	1	0	0
November 2034 . . .	3	1	0	0	0	3	1	0	0	0	3	1	0	0	0
November 2035 . . .	3	1	0	0	0	1	0	0	0	0	1	0	0	0	0
November 2036 . . .	3	0	0	0	0	1	0	0	0	0	1	0	0	0	0
November 2037 . . .	3	0	0	0	0	1	0	0	0	0	1	0	0	0	0
November 2038 . . .	3	0	0	0	0	1	0	0	0	0	1	0	0	0	0
November 2039 . . .	3	0	0	0	0	1	0	0	0	0	1	0	0	0	0
November 2040 . . .	3	0	0	0	0	1	0	0	0	0	1	0	0	0	0
November 2041 . . .	3	0	0	0	0	1	0	0	0	0	1	0	0	0	0
November 2042 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2043 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2044 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2045 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2046 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2047 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2048 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2049 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2050 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2051 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2052 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2053 and thereafter . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	9.8	7.4	6.2	5.3	4.6	6.1	5.8	5.3	4.8	4.3	6.1	5.8	5.3	4.8	4.3

**Security Group 3
PPC Prepayment Assumption Rates**

Distribution Date	Class BI* 4.81000% 30-day Average SOFR 4.31000% One-Year CMT					Class BI* 10.59750% 30-day Average SOFR 9.83500% One-Year CMT					Class BI* 16.38500% 30-day Average SOFR 15.36000% 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
November 2025 . . .	106	98	95	92	89	110	101	98	96	93	111	102	99	96	93
November 2026 . . .	112	94	88	83	77	122	102	95	89	83	123	102	96	90	84
November 2027 . . .	119	89	80	72	64	135	100	90	81	72	136	102	91	82	73
November 2028 . . .	126	84	72	62	52	147	97	83	71	60	150	98	85	72	62
November 2029 . . .	134	78	63	51	41	163	93	76	62	49	153	87	71	58	46
November 2030 . . .	141	71	55	42	31	138	68	52	40	30	140	68	53	40	30
November 2031 . . .	148	63	46	33	23	3	1	1	1	0	3	1	1	1	0
November 2032 . . .	157	56	38	25	17	2	1	0	0	0	2	1	0	0	0
November 2033 . . .	91	28	18	11	7	1	0	0	0	0	1	0	0	0	0
November 2034 . . .	37	10	6	4	2	1	0	0	0	0	1	0	0	0	0
November 2035 . . .	39	9	5	3	1	0	0	0	0	0	0	0	0	0	0
November 2036 . . .	15	3	1	1	0	0	0	0	0	0	0	0	0	0	0
November 2037 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2038 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2039 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2040 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2041 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2042 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2043 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2044 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2045 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2046 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2047 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2048 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2049 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2050 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2051 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2052 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2053 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2054 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2055 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2056 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2057 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2058 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2059 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2060 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2061 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2062 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2063 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2064 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2065 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2066 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2067 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2068 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2069 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2070 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2071 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2072 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2073 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2074 and thereafter . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	9.8	7.4	6.2	5.3	4.6	6.4	6.1	5.5	4.9	4.4	6.2	5.9	5.4	4.9	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 30-day Average 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 4.81000% 30-day Average SOFR 4.31000% One-Year CMT					Class FB 10.59750% 30-day Average SOFR 9.83500% One-Year CMT					Class FB 16.38500% 30-day Average SOFR 15.36000% 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
November 2025 . . .	106	97	94	91	88	109	100	97	94	90	109	100	97	94	90
November 2026 . . .	112	93	87	81	75	119	98	92	85	79	119	98	92	85	79
November 2027 . . .	119	88	78	70	62	130	95	85	76	67	130	95	85	76	67
November 2028 . . .	126	82	70	59	50	143	92	78	66	55	143	92	78	66	55
November 2029 . . .	133	75	61	49	39	156	87	70	56	44	156	87	70	56	44
November 2030 . . .	141	69	52	39	29	170	81	62	46	34	170	81	62	46	34
November 2031 . . .	149	61	44	31	21	3	1	1	1	0	3	1	1	1	0
November 2032 . . .	158	54	36	24	15	1	0	0	0	0	1	0	0	0	0
November 2033 . . .	34	10	6	4	2	0	0	0	0	0	0	0	0	0	0
November 2034 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2035 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2036 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2037 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2038 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2039 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2040 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2041 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2042 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2043 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2044 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2045 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2046 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2047 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2048 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2049 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2050 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2051 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2052 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2053 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2054 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2055 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2056 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2057 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2058 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2059 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2060 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2061 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2062 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2063 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2064 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2065 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2066 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2067 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2068 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2069 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2070 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2071 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2072 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2073 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2074 and thereafter . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	9.0	6.9	5.9	5.0	4.3	6.5	6.0	5.3	4.7	4.2	6.5	6.0	5.3	4.7	4.2

**Security Group 3
PPC Prepayment Assumption Rates**

Distribution Date	Class FC 4.81000% 30-day Average SOFR 4.31000% One-Year CMT					Class FC 10.59750% 30-day Average SOFR 9.83500% One-Year CMT					Class FC 16.38500% 30-day Average SOFR 15.36000% 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
November 2025 . . .	106	99	97	95	92	112	104	102	99	97	113	106	103	101	98
November 2026 . . .	112	97	92	86	82	125	107	102	96	91	129	111	105	99	93
November 2027 . . .	119	93	85	77	70	140	109	99	90	82	147	114	104	94	85
November 2028 . . .	126	88	77	67	58	152	105	92	80	70	163	112	98	85	74
November 2029 . . .	133	82	68	57	46	171	104	87	72	59	137	83	70	58	48
November 2030 . . .	140	75	59	47	36	147	78	62	49	38	152	80	64	50	39
November 2031 . . .	144	67	50	37	27	2	1	1	0	0	1	1	0	0	0
November 2032 . . .	153	60	42	29	20	2	1	0	0	0	2	1	0	0	0
November 2033 . . .	160	53	35	22	14	1	0	0	0	0	1	0	0	0	0
November 2034 . . .	131	36	22	13	8	1	0	0	0	0	0	0	0	0	0
November 2035 . . .	139	31	18	10	5	0	0	0	0	0	0	0	0	0	0
November 2036 . . .	53	10	5	3	1	0	0	0	0	0	0	0	0	0	0
November 2037 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2038 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2039 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2040 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2041 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2042 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2043 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2044 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2045 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2046 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2047 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2048 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2049 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2050 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2051 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2052 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2053 and thereafter . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	11.3	8.4	7.0	5.9	5.1	6.4	6.3	5.9	5.4	4.9	5.9	5.7	5.5	5.2	4.7

**Security Groups 1 and 3
PPC Prepayment Assumption Rates**

Distribution Date	Class DF 4.81000% 30-day Average SOFR 4.31000% One-Year CMT					Class DF 10.80000% 30-day Average SOFR 9.83500% One-Year CMT					Class DF 16.79000% 30-day Average SOFR 15.36000% 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
November 2025 . . .	106	98	95	92	90	110	102	99	96	93	111	102	99	96	93
November 2026 . . .	112	94	88	83	77	122	102	96	90	84	123	103	97	90	84
November 2027 . . .	119	90	81	72	65	136	101	91	82	73	137	103	92	83	74
November 2028 . . .	126	84	72	62	52	141	94	81	69	59	143	95	82	70	59
November 2029 . . .	133	78	64	52	41	156	90	74	60	48	148	86	70	57	46
November 2030 . . .	135	68	53	41	31	139	69	53	41	31	140	69	54	41	31
November 2031 . . .	140	61	44	32	22	6	3	2	1	1	6	3	2	1	1
November 2032 . . .	148	54	37	25	16	5	2	1	1	1	5	2	1	1	1
November 2033 . . .	99	31	20	13	8	4	1	1	1	0	4	1	1	1	0
November 2034 . . .	58	16	9	6	3	5	1	1	0	0	5	1	1	0	0
November 2035 . . .	60	13	7	4	2	1	0	0	0	0	1	0	0	0	0
November 2036 . . .	14	3	1	1	0	1	0	0	0	0	1	0	0	0	0
November 2037 . . .	3	0	0	0	0	1	0	0	0	0	1	0	0	0	0
November 2038 . . .	4	0	0	0	0	1	0	0	0	0	1	0	0	0	0
November 2039 . . .	4	0	0	0	0	1	0	0	0	0	1	0	0	0	0
November 2040 . . .	4	0	0	0	0	1	0	0	0	0	1	0	0	0	0
November 2041 . . .	4	0	0	0	0	1	0	0	0	0	1	0	0	0	0
November 2042 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2043 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2044 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2045 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2046 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2047 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2048 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2049 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2050 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2051 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2052 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2053 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2054 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2055 and thereafter . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	10.1	7.5	6.3	5.3	4.6	6.5	6.1	5.5	4.9	4.4	6.4	5.9	5.5	4.9	4.4

**Security Groups 1 and 3
PPC Prepayment Assumption Rates**

Distribution Date	Class IB* 4.81000% 30-day Average SOFR 4.31000% One-Year CMT					Class IB* 10.80000% 30-day Average SOFR 9.83500% One-Year CMT					Class IB* 16.79000% 30-day Average SOFR 15.36000% 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
November 2025 . . .	106	98	95	92	89	111	102	99	96	93	111	102	99	96	93
November 2026 . . .	113	94	88	83	77	123	102	96	90	84	123	103	97	90	84
November 2027 . . .	119	90	81	72	65	136	101	91	82	73	137	102	92	83	74
November 2028 . . .	127	84	72	62	52	142	94	81	69	59	143	95	81	70	59
November 2029 . . .	135	78	64	52	41	157	90	74	60	48	150	86	70	57	46
November 2030 . . .	137	68	53	41	31	141	70	54	41	31	142	70	54	42	31
November 2031 . . .	142	61	44	32	22	6	3	2	1	1	6	3	2	1	1
November 2032 . . .	151	54	37	25	16	4	2	1	1	0	4	2	1	1	0
November 2033 . . .	105	32	21	13	8	4	1	1	1	0	4	1	1	1	0
November 2034 . . .	58	15	9	5	3	5	1	1	0	0	5	1	1	0	0
November 2035 . . .	60	13	7	4	2	1	0	0	0	0	1	0	0	0	0
November 2036 . . .	14	2	1	1	0	1	0	0	0	0	1	0	0	0	0
November 2037 . . .	4	0	0	0	0	1	0	0	0	0	1	0	0	0	0
November 2038 . . .	4	0	0	0	0	1	0	0	0	0	1	0	0	0	0
November 2039 . . .	4	0	0	0	0	1	0	0	0	0	1	0	0	0	0
November 2040 . . .	4	0	0	0	0	1	0	0	0	0	1	0	0	0	0
November 2041 . . .	4	0	0	0	0	1	0	0	0	0	1	0	0	0	0
November 2042 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2043 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2044 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2045 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2046 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2047 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2048 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2049 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2050 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2051 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2052 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2053 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2054 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2055 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2056 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2057 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2058 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2059 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2060 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2061 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2062 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2063 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2064 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2065 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2066 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2067 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2068 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2069 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2070 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2071 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2072 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2073 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2074 and thereafter . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	10.1	7.5	6.3	5.3	4.6	6.5	6.1	5.5	4.9	4.4	6.4	5.9	5.4	4.9	4.4

* The decrement tables for Class IB reflect only the Class IB Notional Balance at various rates of PPC and at various levels of 30-day Average 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 4
PPC Prepayment Assumption Rates**

Distribution Date	Class A 4.81000% 30-day Average SOFR 4.31000% One-Year CMT					Class A 10.80000% 30-day Average SOFR 9.83500% One-Year CMT					Class A 16.79000% 30-day Average SOFR 15.36000% 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
November 2025. . . .	106	103	102	101	100	111	108	107	106	105	111	108	107	106	105
November 2026. . . .	113	103	100	97	93	124	113	109	106	102	124	113	109	106	102
November 2027. . . .	121	101	95	89	83	138	116	109	102	96	138	116	109	102	96
November 2028. . . .	128	97	88	79	71	154	117	106	96	86	154	117	106	96	86
November 2029. . . .	137	92	80	69	60	172	116	101	87	75	172	116	101	87	75
November 2030. . . .	145	86	71	59	48	192	114	95	78	64	192	114	95	78	64
November 2031. . . .	155	80	63	49	38	214	110	87	68	53	214	110	87	68	53
November 2032. . . .	164	73	54	40	29	7	3	2	2	1	7	3	2	2	1
November 2033. . . .	175	65	46	32	21	7	2	2	1	1	7	2	2	1	1
November 2034. . . .	184	58	38	24	15	0	0	0	0	0	0	0	0	0	0
November 2035. . . .	196	51	31	18	10	0	0	0	0	0	0	0	0	0	0
November 2036. . . .	209	44	25	13	7	0	0	0	0	0	0	0	0	0	0
November 2037. . . .	6	1	1	0	0	0	0	0	0	0	0	0	0	0	0
November 2038. . . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2039. . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2040 and thereafter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years).	12.4	9.6	8.2	7.1	6.2	7.6	7.5	7.1	6.6	6.1	7.6	7.5	7.1	6.6	6.1

PPC Prepayment Assumption Rates

Distribution Date	Class DI* 4.81000% 30-day Average SOFR 4.31000% One-Year CMT					Class DI* 10.80000% 30-day Average SOFR 9.83500% One-Year CMT					Class DI* 16.79000% 30-day Average SOFR 15.36000% 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
November 2025. . . .	106	103	102	101	100	111	108	107	106	105	111	108	107	106	105
November 2026. . . .	113	103	100	97	93	124	113	109	106	102	124	113	109	106	102
November 2027. . . .	120	101	95	89	83	138	116	109	102	96	138	116	109	102	96
November 2028. . . .	128	97	88	79	71	154	117	106	96	86	154	117	106	96	86
November 2029. . . .	136	92	80	69	60	172	116	101	87	75	172	116	101	87	75
November 2030. . . .	145	86	71	59	48	192	114	95	78	64	192	114	95	78	64
November 2031. . . .	154	79	63	49	38	214	110	87	68	53	214	110	87	68	53
November 2032. . . .	164	72	54	40	29	7	3	2	2	1	7	3	2	2	1
November 2033. . . .	174	65	46	32	21	7	2	2	1	1	7	2	2	1	1
November 2034. . . .	183	58	38	24	15	0	0	0	0	0	0	0	0	0	0
November 2035. . . .	195	51	31	18	10	0	0	0	0	0	0	0	0	0	0
November 2036. . . .	207	44	25	13	7	0	0	0	0	0	0	0	0	0	0
November 2037. . . .	6	1	1	0	0	0	0	0	0	0	0	0	0	0	0
November 2038. . . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2039. . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2040 and thereafter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years).	12.4	9.6	8.2	7.1	6.2	7.6	7.5	7.1	6.6	6.1	7.6	7.5	7.1	6.6	6.1

* The decrement tables for Class DI reflect only the Class DI Notional Balance at various rates of PPC and at various levels of 30-day Average 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 4
PPC Prepayment Assumption Rates**

Distribution Date	Class FD 4.81000% 30-day Average SOFR 4.31000% One-Year CMT					Class FD 10.80000% 30-day Average SOFR 9.83500% One-Year CMT					Class FD 16.79000% 30-day Average SOFR 15.36000% 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
November 2025. . . .	106	103	102	101	100	111	108	107	106	105	111	108	107	106	105
November 2026. . . .	112	103	100	96	93	124	113	109	106	102	124	113	109	106	102
November 2027. . . .	118	100	94	89	83	138	116	109	102	96	138	116	109	102	96
November 2028. . . .	125	97	88	79	71	154	117	106	96	86	154	117	106	96	86
November 2029. . . .	132	92	80	69	59	172	116	101	87	75	172	116	101	87	75
November 2030. . . .	140	86	71	59	48	192	114	95	78	64	192	114	95	78	64
November 2031. . . .	148	79	63	49	38	214	110	87	68	53	214	110	87	68	53
November 2032. . . .	156	72	54	40	29	7	3	2	2	1	7	3	2	2	1
November 2033. . . .	165	65	46	31	21	6	2	2	1	1	6	2	2	1	1
November 2034. . . .	173	57	38	24	15	0	0	0	0	0	0	0	0	0	0
November 2035. . . .	183	50	31	18	10	0	0	0	0	0	0	0	0	0	0
November 2036. . . .	194	44	25	13	7	0	0	0	0	0	0	0	0	0	0
November 2037. . . .	6	1	1	0	0	0	0	0	0	0	0	0	0	0	0
November 2038. . . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2039. . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2040 and thereafter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years). . . .	12.4	9.6	8.2	7.1	6.2	7.6	7.5	7.1	6.6	6.1	7.6	7.5	7.1	6.6	6.1

**Security Group 5
PPC Prepayment Assumption Rates**

Distribution Date	Class EI* 4.81000% 30-day Average SOFR 4.31000% One-Year CMT					Class EI* 10.80000% 30-day Average SOFR 9.83500% One-Year CMT					Class EI* 16.79000% 30-day Average SOFR 15.36000% 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
November 2025. . . .	106	103	102	101	100	111	108	107	106	105	111	108	107	106	105
November 2026. . . .	113	103	100	97	93	124	113	109	106	102	124	113	109	106	102
November 2027. . . .	120	101	95	89	83	138	116	109	102	96	138	116	109	102	96
November 2028. . . .	128	97	88	79	71	154	117	106	96	86	154	117	106	96	86
November 2029. . . .	136	92	80	69	60	172	116	101	87	75	172	116	101	87	75
November 2030. . . .	145	86	71	59	48	192	114	95	78	64	192	114	95	78	64
November 2031. . . .	154	79	63	49	38	214	110	87	68	53	214	110	87	68	53
November 2032. . . .	164	72	54	40	29	7	3	2	2	1	7	3	2	2	1
November 2033. . . .	174	65	46	32	21	7	2	2	1	1	7	2	2	1	1
November 2034. . . .	183	58	38	24	15	0	0	0	0	0	0	0	0	0	0
November 2035. . . .	195	51	31	18	10	0	0	0	0	0	0	0	0	0	0
November 2036. . . .	207	44	25	13	7	0	0	0	0	0	0	0	0	0	0
November 2037. . . .	6	1	1	0	0	0	0	0	0	0	0	0	0	0	0
November 2038. . . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2039. . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2040 and thereafter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years). . . .	12.4	9.6	8.2	7.1	6.2	7.6	7.5	7.1	6.6	6.1	7.6	7.5	7.1	6.6	6.1

* The decrement tables for Class EI reflect only the Class EI Notional Balance at various rates of PPC and at various levels of 30-day Average 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.

PPC Prepayment Assumption Rates

Distribution Date	Class FE 4.81000% 30-day Average SOFR 4.31000% One-Year CMT					Class FE 10.80000% 30-day Average SOFR 9.83500% One-Year CMT					Class FE 16.79000% 30-day Average SOFR 15.36000% 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
November 2025. . . .	106	103	102	101	100	111	108	107	106	105	111	108	107	106	105
November 2026. . . .	112	103	100	96	93	124	113	109	106	102	124	113	109	106	102
November 2027. . . .	118	100	94	89	83	138	116	109	102	96	138	116	109	102	96
November 2028. . . .	125	96	88	79	71	154	117	106	96	86	154	117	106	96	86
November 2029. . . .	132	91	80	69	59	172	116	101	87	75	172	116	101	87	75
November 2030. . . .	139	86	71	59	48	192	114	95	78	64	192	114	95	78	64
November 2031. . . .	147	79	63	49	38	214	110	87	68	53	214	110	87	68	53
November 2032. . . .	155	72	54	40	29	7	3	2	2	1	7	3	2	2	1
November 2033. . . .	164	65	46	31	21	6	2	2	1	1	6	2	2	1	1
November 2034. . . .	172	57	38	24	15	0	0	0	0	0	0	0	0	0	0
November 2035. . . .	181	50	31	18	10	0	0	0	0	0	0	0	0	0	0
November 2036. . . .	192	44	25	13	7	0	0	0	0	0	0	0	0	0	0
November 2037. . . .	6	1	1	0	0	0	0	0	0	0	0	0	0	0	0
November 2038. . . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2039. . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2040 and thereafter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years). . . .	12.4	9.6	8.2	7.1	6.2	7.6	7.5	7.1	6.6	6.1	7.6	7.5	7.1	6.6	6.1

**Security Group 6
PPC Prepayment Assumption Rates**

Distribution Date	Class EF 4.81000% 30-day Average SOFR 4.31000% One-Year CMT					Class EF 10.80000% 30-day Average SOFR 9.83500% One-Year CMT					Class EF 16.79000% 30-day Average SOFR 15.36000% 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
November 2025. . . .	102	82	75	68	62	106	85	78	71	64	101	81	75	68	61
November 2026. . . .	103	66	56	47	39	107	69	58	49	40	42	33	30	28	25
November 2027. . . .	106	55	43	34	26	45	31	27	23	20	45	31	27	23	20
November 2028. . . .	73	35	27	21	17	48	28	24	19	16	48	29	24	20	16
November 2029. . . .	48	25	19	15	12	50	26	20	16	12	51	26	20	16	12
November 2030. . . .	51	22	16	12	8	54	23	17	13	9	54	23	17	13	9
November 2031. . . .	53	19	13	9	6	44	15	10	7	5	44	15	11	7	5
November 2032. . . .	43	13	8	5	3	47	13	9	5	3	48	14	9	5	3
November 2033. . . .	6	1	1	0	0	7	1	1	0	0	8	1	1	0	0
November 2034. . . .	6	1	0	0	0	7	1	0	0	0	8	1	0	0	0
November 2035. . . .	5	1	0	0	0	7	1	0	0	0	9	1	0	0	0
November 2036. . . .	5	0	0	0	0	8	0	0	0	0	11	1	0	0	0
November 2037. . . .	6	0	0	0	0	9	0	0	0	0	12	0	0	0	0
November 2038. . . .	6	0	0	0	0	10	0	0	0	0	13	0	0	0	0
November 2039. . . .	6	0	0	0	0	11	0	0	0	0	15	0	0	0	0
November 2040. . . .	7	0	0	0	0	12	0	0	0	0	17	0	0	0	0
November 2041. . . .	7	0	0	0	0	12	0	0	0	0	19	0	0	0	0
November 2042. . . .	7	0	0	0	0	14	0	0	0	0	21	0	0	0	0
November 2043. . . .	8	0	0	0	0	13	0	0	0	0	22	0	0	0	0
November 2044. . . .	8	0	0	0	0	14	0	0	0	0	25	0	0	0	0
November 2045. . . .	6	0	0	0	0	15	0	0	0	0	29	0	0	0	0
November 2046. . . .	7	0	0	0	0	13	0	0	0	0	29	0	0	0	0
November 2047. . . .	7	0	0	0	0	15	0	0	0	0	31	0	0	0	0
November 2048. . . .	4	0	0	0	0	16	0	0	0	0	36	0	0	0	0
November 2049. . . .	4	0	0	0	0	18	0	0	0	0	42	0	0	0	0
November 2050. . . .	4	0	0	0	0	20	0	0	0	0	35	0	0	0	0
November 2051. . . .	5	0	0	0	0	22	0	0	0	0	0	0	0	0	0
November 2052. . . .	5	0	0	0	0	25	0	0	0	0	0	0	0	0	0
November 2053. . . .	5	0	0	0	0	26	0	0	0	0	0	0	0	0	0
November 2054. . . .	6	0	0	0	0	29	0	0	0	0	0	0	0	0	0
November 2055. . . .	6	0	0	0	0	32	0	0	0	0	0	0	0	0	0
November 2056. . . .	6	0	0	0	0	23	0	0	0	0	0	0	0	0	0
November 2057. . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2058 and thereafter . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years). . . .	7.7	3.8	3.1	2.6	2.2	11.0	3.2	2.8	2.4	2.1	10.7	3.1	2.6	2.3	2.0

**Security Group 6
PPC Prepayment Assumption Rates**

Distribution Date	Class IE* 4.81000% 30-day Average SOFR 4.31000% One-Year CMT					Class IE* 10.80000% 30-day Average SOFR 9.83500% One-Year CMT					Class IE* 16.79000% 30-day Average SOFR 15.36000% 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
November 2025. . . .	102	82	75	68	62	106	85	78	71	64	101	81	75	68	61
November 2026. . . .	103	66	56	47	39	107	69	58	49	40	42	33	30	28	25
November 2027. . . .	106	55	43	34	26	45	31	27	23	20	45	31	27	23	20
November 2028. . . .	73	35	27	21	17	48	28	24	19	16	48	29	24	20	16
November 2029. . . .	49	25	19	15	12	50	26	20	16	12	51	26	20	16	12
November 2030. . . .	51	22	16	12	8	54	23	17	13	9	54	23	17	13	9
November 2031. . . .	54	19	13	9	6	44	15	10	7	5	44	15	11	7	5
November 2032. . . .	44	13	8	5	3	47	13	9	5	3	48	14	9	5	3
November 2033. . . .	6	1	1	0	0	7	1	1	0	0	8	1	1	0	0
November 2034. . . .	6	1	0	0	0	7	1	0	0	0	8	1	0	0	0
November 2035. . . .	5	1	0	0	0	7	1	0	0	0	9	1	0	0	0
November 2036. . . .	5	0	0	0	0	8	0	0	0	0	11	1	0	0	0
November 2037. . . .	6	0	0	0	0	9	0	0	0	0	12	0	0	0	0
November 2038. . . .	6	0	0	0	0	10	0	0	0	0	13	0	0	0	0
November 2039. . . .	6	0	0	0	0	11	0	0	0	0	15	0	0	0	0
November 2040. . . .	7	0	0	0	0	12	0	0	0	0	17	0	0	0	0
November 2041. . . .	7	0	0	0	0	12	0	0	0	0	19	0	0	0	0
November 2042. . . .	8	0	0	0	0	14	0	0	0	0	21	0	0	0	0
November 2043. . . .	8	0	0	0	0	13	0	0	0	0	22	0	0	0	0
November 2044. . . .	9	0	0	0	0	14	0	0	0	0	25	0	0	0	0
November 2045. . . .	7	0	0	0	0	15	0	0	0	0	29	0	0	0	0
November 2046. . . .	7	0	0	0	0	13	0	0	0	0	29	0	0	0	0
November 2047. . . .	7	0	0	0	0	15	0	0	0	0	31	0	0	0	0
November 2048. . . .	4	0	0	0	0	16	0	0	0	0	36	0	0	0	0
November 2049. . . .	5	0	0	0	0	18	0	0	0	0	42	0	0	0	0
November 2050. . . .	5	0	0	0	0	20	0	0	0	0	35	0	0	0	0
November 2051. . . .	5	0	0	0	0	22	0	0	0	0	0	0	0	0	0
November 2052. . . .	5	0	0	0	0	25	0	0	0	0	0	0	0	0	0
November 2053. . . .	6	0	0	0	0	26	0	0	0	0	0	0	0	0	0
November 2054. . . .	6	0	0	0	0	29	0	0	0	0	0	0	0	0	0
November 2055. . . .	6	0	0	0	0	32	0	0	0	0	0	0	0	0	0
November 2056. . . .	7	0	0	0	0	23	0	0	0	0	0	0	0	0	0
November 2057. . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2058 and thereafter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years). . . .	7.9	3.8	3.1	2.6	2.2	11.0	3.2	2.8	2.4	2.1	10.7	3.1	2.6	2.3	2.0

* The decrement tables for Class IE reflect only the Class IE Notional Balance at various rates of PPC and at various levels of 30-day Average 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 Group 7
PPC Prepayment Assumption Rates**

Distribution Date	Class FG 4.81000% 30-day Average SOFR 4.31000% One-Year CMT					Class FG 10.80000% 30-day Average SOFR 9.83500% One-Year CMT					Class FG 16.79000% 30-day Average SOFR 15.36000% 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
November 2025. . . .	106	98	96	93	90	109	101	98	96	93	109	101	99	96	93
November 2026. . . .	112	95	89	84	78	119	100	94	88	83	120	101	95	89	84
November 2027. . . .	118	90	81	73	66	130	98	89	80	72	132	100	90	81	73
November 2028. . . .	125	84	73	63	54	141	94	82	70	60	119	79	69	59	51
November 2029. . . .	131	78	64	52	42	130	75	62	51	41	130	75	62	51	41
November 2030. . . .	138	71	55	43	32	141	70	55	42	33	141	70	55	42	33
November 2031. . . .	146	64	47	34	24	44	23	18	14	11	44	23	18	14	11
November 2032. . . .	55	24	17	12	9	3	1	1	0	0	3	1	1	0	0
November 2033. . . .	35	14	10	7	4	3	1	1	0	0	2	0	0	0	0
November 2034. . . .	37	12	8	5	3	1	0	0	0	0	1	0	0	0	0
November 2035. . . .	38	11	6	4	2	1	0	0	0	0	1	0	0	0	0
November 2036. . . .	39	9	5	3	1	1	0	0	0	0	1	0	0	0	0
November 2037. . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2038. . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2039. . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2040 and thereafter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years).	9.0	7.0	6.0	5.2	4.6	6.4	6.0	5.4	4.9	4.4	6.3	5.9	5.3	4.8	4.3

PPC Prepayment Assumption Rates

Distribution Date	Class GI* 4.81000% 30-day Average SOFR 4.31000% One-Year CMT					Class GI* 10.80000% 30-day Average SOFR 9.83500% One-Year CMT					Class GI* 16.79000% 30-day Average SOFR 15.36000% 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
November 2025. . . .	106	98	96	93	90	109	101	98	96	93	109	101	99	96	93
November 2026. . . .	113	95	89	84	78	119	100	94	88	83	120	101	95	89	84
November 2027. . . .	120	90	81	73	66	130	98	89	80	72	132	100	90	81	73
November 2028. . . .	127	84	73	63	54	141	94	82	70	60	119	79	69	59	51
November 2029. . . .	134	78	64	52	42	130	75	62	51	41	130	75	62	51	41
November 2030. . . .	142	71	55	43	32	141	70	55	42	33	141	70	55	42	33
November 2031. . . .	151	64	47	34	24	44	23	18	14	11	44	23	18	14	11
November 2032. . . .	57	24	17	12	9	3	1	1	0	0	3	1	1	0	0
November 2033. . . .	37	14	10	7	4	3	1	1	0	0	2	0	0	0	0
November 2034. . . .	39	12	8	5	3	1	0	0	0	0	1	0	0	0	0
November 2035. . . .	40	11	6	4	2	1	0	0	0	0	1	0	0	0	0
November 2036. . . .	42	9	5	3	1	1	0	0	0	0	1	0	0	0	0
November 2037. . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2038. . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2039. . . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2040 and thereafter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years).	9.0	7.0	6.0	5.2	4.6	6.4	6.0	5.4	4.9	4.4	6.3	5.9	5.3	4.8	4.3

* The decrement tables for Class GI reflect only the Class GI Notional Balance at various rates of PPC and at various levels of 30-day Average 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 6 and 7
PPC Prepayment Assumption Rates**

Distribution Date	Class IC* 4.81000% 30-day Average SOFR 4.31000% One-Year CMT					Class IC* 10.80000% 30-day Average SOFR 9.83500% One-Year CMT					Class IC* 16.79000% 30-day Average SOFR 15.36000% 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
November 2025. . . .	104	88	83	78	73	107	91	86	80	75	104	89	84	79	74
November 2026. . . .	107	78	69	62	55	112	81	72	64	57	73	60	56	52	48
November 2027. . . .	111	69	58	49	42	78	57	51	46	41	79	58	52	46	41
November 2028. . . .	95	55	45	38	31	85	54	46	40	33	76	49	41	35	30
November 2029. . . .	82	46	37	30	24	82	45	37	29	23	82	45	37	29	23
November 2030. . . .	87	41	32	24	18	88	42	32	24	18	89	42	32	24	18
November 2031. . . .	93	37	27	19	13	44	18	13	10	7	44	18	13	10	7
November 2032. . . .	49	17	12	8	5	30	9	5	3	2	30	9	5	3	2
November 2033. . . .	18	6	4	3	2	6	1	1	0	0	6	1	0	0	0
November 2034. . . .	19	5	3	2	1	5	1	0	0	0	6	1	0	0	0
November 2035. . . .	19	4	3	2	1	5	0	0	0	0	6	0	0	0	0
November 2036. . . .	20	4	2	1	1	5	0	0	0	0	7	0	0	0	0
November 2037. . . .	4	0	0	0	0	5	0	0	0	0	7	0	0	0	0
November 2038. . . .	4	0	0	0	0	6	0	0	0	0	8	0	0	0	0
November 2039. . . .	5	0	0	0	0	6	0	0	0	0	9	0	0	0	0
November 2040. . . .	4	0	0	0	0	7	0	0	0	0	10	0	0	0	0
November 2041. . . .	4	0	0	0	0	7	0	0	0	0	11	0	0	0	0
November 2042. . . .	5	0	0	0	0	8	0	0	0	0	13	0	0	0	0
November 2043. . . .	5	0	0	0	0	8	0	0	0	0	13	0	0	0	0
November 2044. . . .	5	0	0	0	0	8	0	0	0	0	15	0	0	0	0
November 2045. . . .	4	0	0	0	0	9	0	0	0	0	17	0	0	0	0
November 2046. . . .	4	0	0	0	0	8	0	0	0	0	17	0	0	0	0
November 2047. . . .	5	0	0	0	0	9	0	0	0	0	19	0	0	0	0
November 2048. . . .	3	0	0	0	0	10	0	0	0	0	22	0	0	0	0
November 2049. . . .	3	0	0	0	0	11	0	0	0	0	25	0	0	0	0
November 2050. . . .	3	0	0	0	0	12	0	0	0	0	21	0	0	0	0
November 2051. . . .	3	0	0	0	0	14	0	0	0	0	0	0	0	0	0
November 2052. . . .	3	0	0	0	0	15	0	0	0	0	0	0	0	0	0
November 2053. . . .	3	0	0	0	0	16	0	0	0	0	0	0	0	0	0
November 2054. . . .	4	0	0	0	0	17	0	0	0	0	0	0	0	0	0
November 2055. . . .	4	0	0	0	0	19	0	0	0	0	0	0	0	0	0
November 2056. . . .	4	0	0	0	0	14	0	0	0	0	0	0	0	0	0
November 2057. . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2058 and thereafter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years). . . .	8.4	5.0	4.3	3.7	3.2	9.3	4.3	3.8	3.4	3.0	9.2	4.2	3.7	3.3	2.9

* The decrement tables for Class IC reflect only the Class IC Notional Balance at various rates of PPC and at various levels of 30-day Average 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 8
PPC Prepayment Assumption Rates**

Distribution Date	Class GF 4.81000% 30-day Average SOFR 4.31000% One-Year CMT					Class GF 10.80000% 30-day Average SOFR 9.83500% One-Year CMT					Class GF 16.79000% 30-day Average SOFR 15.36000% 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
November 2025. . . .	106	99	97	94	92	109	102	99	97	95	109	102	99	97	95
November 2026. . . .	112	96	91	86	81	120	102	96	91	86	120	102	96	91	86
November 2027. . . .	118	92	83	76	68	131	101	92	83	75	131	101	92	83	75
November 2028. . . .	125	86	75	65	56	144	98	85	74	64	144	98	85	74	64
November 2029. . . .	131	80	66	55	45	157	94	78	64	53	157	94	78	64	53
November 2030. . . .	139	73	58	45	35	162	84	67	53	41	162	84	67	53	41
November 2031. . . .	139	63	47	35	25	90	45	35	27	21	90	45	35	27	21
November 2032. . . .	120	48	34	24	16	42	18	13	10	7	42	18	13	10	7
November 2033. . . .	66	26	18	12	8	3	1	1	0	0	3	1	1	0	0
November 2034. . . .	67	22	14	9	6	3	1	0	0	0	3	1	0	0	0
November 2035. . . .	70	19	12	7	4	3	1	0	0	0	3	1	0	0	0
November 2036. . . .	74	16	9	5	3	4	1	0	0	0	4	1	0	0	0
November 2037. . . .	36	6	3	2	1	4	0	0	0	0	4	0	0	0	0
November 2038. . . .	38	5	2	1	0	4	0	0	0	0	4	0	0	0	0
November 2039. . . .	3	0	0	0	0	5	0	0	0	0	5	0	0	0	0
November 2040. . . .	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2041. . . .	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2042. . . .	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2043. . . .	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2044. . . .	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2045. . . .	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2046. . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2047. . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2048 and thereafter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years). . . .	10.6	7.8	6.6	5.6	4.9	7.4	6.8	6.1	5.5	4.9	7.4	6.8	6.1	5.5	4.9

**Security Group 8
PPC Prepayment Assumption Rates**

Distribution Date	Class IG* 4.81000% 30-day Average SOFR 4.31000% One-Year CMT					Class IG* 10.80000% 30-day Average SOFR 9.83500% One-Year CMT					Class IG* 16.79000% 30-day Average SOFR 15.36000% 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
November 2025. . . .	106	99	97	94	92	109	102	99	97	95	109	102	99	97	95
November 2026. . . .	113	96	91	86	81	120	102	96	91	86	120	102	96	91	86
November 2027. . . .	120	92	83	76	68	131	101	92	83	75	131	101	92	83	75
November 2028. . . .	128	86	75	65	56	144	98	85	74	64	144	98	85	74	64
November 2029. . . .	135	80	66	55	45	157	94	78	64	53	157	94	78	64	53
November 2030. . . .	143	73	58	45	35	162	84	67	53	41	162	84	67	53	41
November 2031. . . .	145	63	47	35	25	90	45	35	27	21	90	45	35	27	21
November 2032. . . .	125	48	34	24	16	42	18	13	10	7	42	18	13	10	7
November 2033. . . .	69	26	18	12	8	3	1	1	0	0	3	1	1	0	0
November 2034. . . .	70	22	14	9	6	3	1	0	0	0	3	1	0	0	0
November 2035. . . .	74	19	12	7	4	3	1	0	0	0	3	1	0	0	0
November 2036. . . .	79	16	9	5	3	4	1	0	0	0	4	1	0	0	0
November 2037. . . .	39	6	3	2	1	4	0	0	0	0	4	0	0	0	0
November 2038. . . .	41	5	2	1	0	4	0	0	0	0	4	0	0	0	0
November 2039. . . .	3	0	0	0	0	5	0	0	0	0	5	0	0	0	0
November 2040. . . .	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2041. . . .	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2042. . . .	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2043. . . .	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2044. . . .	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2045. . . .	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2046. . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2047. . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2048 and thereafter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years).	10.7	7.8	6.6	5.6	4.9	7.4	6.8	6.1	5.5	4.9	7.4	6.8	6.1	5.5	4.9

* The decrement tables for Class IG reflect only the Class IG Notional Balance at various rates of PPC and at various levels of 30-day Average 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 Groups 7 and 8
PPC Prepayment Assumption Rates**

Distribution Date	Class FQ 4.81000% 30-day Average SOFR 4.31000% One-Year CMT					Class FQ 10.80000% 30-day Average SOFR 9.83500% One-Year CMT					Class FQ 16.79000% 30-day Average SOFR 15.36000% 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
November 2025. . . .	106	99	97	94	92	109	102	99	97	95	109	102	99	97	95
November 2026. . . .	112	96	91	86	81	120	102	96	91	86	120	102	96	91	86
November 2027. . . .	118	92	83	76	68	131	100	91	83	75	131	101	92	83	75
November 2028. . . .	125	86	75	65	56	144	98	85	74	64	143	97	85	74	64
November 2029. . . .	131	80	66	55	45	156	93	77	64	52	156	93	77	64	52
November 2030. . . .	139	73	58	45	35	161	84	66	52	41	161	84	66	52	41
November 2031. . . .	140	63	47	35	25	88	44	34	27	20	88	44	34	27	20
November 2032. . . .	117	47	33	23	16	40	17	13	9	7	40	17	13	9	7
November 2033. . . .	64	25	17	12	8	3	1	1	0	0	3	1	1	0	0
November 2034. . . .	65	21	14	9	6	3	1	0	0	0	3	1	0	0	0
November 2035. . . .	69	19	11	7	4	3	1	0	0	0	3	1	0	0	0
November 2036. . . .	73	16	9	5	3	4	0	0	0	0	4	0	0	0	0
November 2037. . . .	35	6	3	2	1	4	0	0	0	0	4	0	0	0	0
November 2038. . . .	37	5	2	1	0	4	0	0	0	0	4	0	0	0	0
November 2039. . . .	3	0	0	0	0	5	0	0	0	0	5	0	0	0	0
November 2040. . . .	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2041. . . .	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2042. . . .	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2043. . . .	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2044. . . .	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2045. . . .	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2046. . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2047. . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2048 and thereafter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years). . . .	10.6	7.7	6.5	5.6	4.9	7.3	6.7	6.1	5.4	4.9	7.3	6.7	6.1	5.4	4.9

**Security Group 9
PPC Prepayment Assumption Rates**

Distribution Date	Class FH 4.81000% 30-day Average SOFR 4.31000% One-Year CMT					Class FH 10.80000% 30-day Average SOFR 9.83500% One-Year CMT					Class FH 16.79000% 30-day Average SOFR 15.36000% 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
November 2025. . . .	106	98	95	93	90	109	101	98	95	92	109	101	98	95	92
November 2026. . . .	112	94	89	83	77	120	100	94	88	82	120	100	94	88	82
November 2027. . . .	118	90	81	72	65	131	98	88	79	71	131	98	88	79	71
November 2028. . . .	125	84	72	62	53	144	95	81	70	59	144	95	81	70	59
November 2029. . . .	132	78	64	52	41	158	90	74	60	48	158	90	74	60	48
November 2030. . . .	139	71	55	42	32	156	75	57	44	33	156	75	57	44	33
November 2031. . . .	147	64	47	33	24	26	12	10	7	6	26	12	10	7	6
November 2032. . . .	156	57	39	26	17	5	2	1	1	0	5	2	1	1	0
November 2033. . . .	34	13	9	6	4	6	2	1	1	0	6	2	1	1	0
November 2034. . . .	19	6	4	2	2	6	1	1	0	0	6	1	1	0	0
November 2035. . . .	20	5	3	2	1	7	1	1	0	0	7	1	1	0	0
November 2036. . . .	21	5	3	1	1	7	1	0	0	0	7	1	0	0	0
November 2037. . . .	5	1	0	0	0	8	1	0	0	0	8	1	0	0	0
November 2038. . . .	6	0	0	0	0	9	1	0	0	0	9	1	0	0	0
November 2039. . . .	6	0	0	0	0	10	1	0	0	0	10	1	0	0	0
November 2040. . . .	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2041. . . .	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2042. . . .	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2043. . . .	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2044. . . .	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2045. . . .	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2046 and thereafter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years). . . .	9.4	7.1	6.0	5.2	4.5	6.9	6.1	5.5	4.9	4.4	6.9	6.1	5.5	4.9	4.4

**Security Group 9
PPC Prepayment Assumption Rates**

Distribution Date	Class HI* 4.81000% 30-day Average SOFR 4.31000% One-Year CMT					Class HI* 10.80000% 30-day Average SOFR 9.83500% One-Year CMT					Class HI* 16.79000% 30-day Average SOFR 15.36000% 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
November 2025. . . .	106	98	95	93	90	109	101	98	95	92	109	101	98	95	92
November 2026. . . .	113	94	89	83	77	120	100	94	88	82	120	100	94	88	82
November 2027. . . .	120	90	81	72	65	131	98	88	79	71	131	98	88	79	71
November 2028. . . .	128	84	72	62	53	144	95	81	70	59	144	95	81	70	59
November 2029. . . .	136	78	64	52	41	158	90	74	60	48	158	90	74	60	48
November 2030. . . .	145	71	55	42	32	156	75	57	44	33	156	75	57	44	33
November 2031. . . .	154	64	47	33	24	26	12	10	7	6	26	12	10	7	6
November 2032. . . .	164	57	39	26	17	5	2	1	1	0	5	2	1	1	0
November 2033. . . .	36	13	9	6	4	6	2	1	1	0	6	2	1	1	0
November 2034. . . .	21	6	4	2	2	6	1	1	0	0	6	1	1	0	0
November 2035. . . .	22	5	3	2	1	7	1	1	0	0	7	1	1	0	0
November 2036. . . .	23	5	3	1	1	7	1	0	0	0	7	1	0	0	0
November 2037. . . .	6	1	0	0	0	8	1	0	0	0	8	1	0	0	0
November 2038. . . .	6	0	0	0	0	9	1	0	0	0	9	1	0	0	0
November 2039. . . .	6	0	0	0	0	10	1	0	0	0	10	1	0	0	0
November 2040. . . .	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2041. . . .	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2042. . . .	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2043. . . .	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2044. . . .	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2045. . . .	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2046 and thereafter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years). . . .	9.5	7.1	6.0	5.2	4.5	6.9	6.1	5.5	4.9	4.4	6.9	6.1	5.5	4.9	4.4

* The decrement tables for Class HI reflect only the Class HI Notional Balance at various rates of PPC and at various levels of 30-day Average 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 6, 7, 8 and 9
PPC Prepayment Assumption Rates**

Distribution Date	Class IP* 4.81000% 30-day Average SOFR 4.31000% One-Year CMT					Class IP* 10.80000% 30-day Average SOFR 9.83500% One-Year CMT					Class IP* 16.79000% 30-day Average SOFR 15.36000% 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
November 2025. . . .	106	98	95	93	90	109	101	98	95	93	109	101	98	95	92
November 2026. . . .	112	94	89	83	78	119	100	94	88	83	116	98	92	87	82
November 2027. . . .	119	89	81	73	65	127	96	87	79	72	127	96	88	79	72
November 2028. . . .	125	83	72	62	54	139	93	81	70	61	138	93	81	70	60
November 2029. . . .	131	76	63	52	42	151	89	74	61	50	151	89	74	61	50
November 2030. . . .	139	70	55	43	33	155	79	62	49	38	155	79	62	49	38
November 2031. . . .	142	61	45	33	24	75	37	29	22	17	75	37	29	22	17
November 2032. . . .	126	47	33	23	16	34	14	11	8	5	34	14	11	8	5
November 2033. . . .	59	22	15	10	7	4	1	1	0	0	4	1	1	0	0
November 2034. . . .	57	18	11	7	5	4	1	0	0	0	4	1	0	0	0
November 2035. . . .	60	15	9	5	3	4	1	0	0	0	4	1	0	0	0
November 2036. . . .	64	13	7	4	2	4	1	0	0	0	5	1	0	0	0
November 2037. . . .	30	5	2	1	1	5	0	0	0	0	5	0	0	0	0
November 2038. . . .	32	4	2	1	0	5	0	0	0	0	5	0	0	0	0
November 2039. . . .	4	0	0	0	0	6	0	0	0	0	6	0	0	0	0
November 2040. . . .	4	0	0	0	0	1	0	0	0	0	1	0	0	0	0
November 2041. . . .	4	0	0	0	0	1	0	0	0	0	1	0	0	0	0
November 2042. . . .	5	0	0	0	0	1	0	0	0	0	1	0	0	0	0
November 2043. . . .	5	0	0	0	0	1	0	0	0	0	1	0	0	0	0
November 2044. . . .	5	0	0	0	0	1	0	0	0	0	1	0	0	0	0
November 2045. . . .	5	0	0	0	0	1	0	0	0	0	1	0	0	0	0
November 2046. . . .	1	0	0	0	0	1	0	0	0	0	2	0	0	0	0
November 2047. . . .	1	0	0	0	0	1	0	0	0	0	2	0	0	0	0
November 2048. . . .	0	0	0	0	0	1	0	0	0	0	2	0	0	0	0
November 2049. . . .	0	0	0	0	0	1	0	0	0	0	2	0	0	0	0
November 2050. . . .	0	0	0	0	0	1	0	0	0	0	2	0	0	0	0
November 2051. . . .	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
November 2052. . . .	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
November 2053. . . .	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
November 2054. . . .	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0
November 2055. . . .	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0
November 2056. . . .	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
November 2057. . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2058 and thereafter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years). . . .	10.4	7.4	6.3	5.4	4.7	7.5	6.5	5.8	5.2	4.6	7.5	6.5	5.8	5.2	4.6

* The decrement tables for Class IP reflect only the Class IP Notional Balance at various rates of PPC and at various levels of 30-day Average SOFR and One-Year CMT. In addition to the current interest accrual amount on the Class IP Notional Balance at the Class IP Interest Rate, Class IP is entitled to the Class IP Deferred Interest Amount. No representation is made about the timing of distributions of the Class IP Deferred Interest Amount other than that such amount will be paid no later than the Final Distribution Date for Class IP.

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

Distribution Date	Class ID* 4.81000% 30-day Average SOFR 4.31000% One-Year CMT					Class ID* 10.80000% 30-day Average SOFR 9.83500% One-Year CMT					Class ID* 16.79000% 30-day Average SOFR 15.36000% 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
November 2025. . . .	106	99	96	94	92	109	102	99	97	94	109	102	99	97	94
November 2026. . . .	113	96	90	85	80	120	102	96	90	85	120	102	96	90	85
November 2027. . . .	120	91	83	75	68	131	100	91	82	74	131	100	91	82	74
November 2028. . . .	128	86	75	65	56	144	97	85	73	63	144	97	85	73	63
November 2029. . . .	135	79	66	54	44	157	93	77	64	52	157	93	77	64	52
November 2030. . . .	144	73	57	44	34	161	83	65	51	39	161	83	65	51	39
November 2031. . . .	147	64	47	35	25	78	39	30	23	18	78	39	30	23	18
November 2032. . . .	133	50	35	24	16	35	15	11	8	6	35	15	11	8	6
November 2033. . . .	63	23	16	11	7	4	1	1	0	0	4	1	1	0	0
November 2034. . . .	60	19	12	8	5	4	1	0	0	0	4	1	0	0	0
November 2035. . . .	64	16	10	6	3	4	1	0	0	0	4	1	0	0	0
November 2036. . . .	68	14	8	4	2	4	1	0	0	0	4	1	0	0	0
November 2037. . . .	32	5	3	1	1	5	1	0	0	0	5	1	0	0	0
November 2038. . . .	34	4	2	1	0	5	0	0	0	0	5	0	0	0	0
November 2039. . . .	4	0	0	0	0	6	0	0	0	0	6	0	0	0	0
November 2040. . . .	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2041. . . .	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2042. . . .	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2043. . . .	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2044. . . .	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2045. . . .	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2046. . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2047. . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2048 and thereafter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years).	10.5	7.6	6.5	5.6	4.8	7.3	6.6	6.0	5.4	4.8	7.3	6.6	6.0	5.4	4.8

* The decrement tables for Class ID reflect only the Class ID Notional Balance at various rates of PPC and at various levels of 30-day Average 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 10
PPC Prepayment Assumption Rates**

Distribution Date	Class HF 4.81000% 30-day Average SOFR 4.31000% One-Year CMT					Class HF 10.80000% 30-day Average SOFR 9.83500% One-Year CMT					Class HF 16.79000% 30-day Average SOFR 15.36000% 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
November 2025. . . .	106	100	99	97	95	111	105	103	101	99	111	105	103	101	99
November 2026. . . .	112	99	94	89	85	124	108	103	98	93	124	108	103	98	93
November 2027. . . .	118	94	87	80	73	138	108	100	92	84	138	109	100	92	84
November 2028. . . .	124	90	79	70	61	154	108	96	84	74	154	108	96	84	74
November 2029. . . .	132	84	71	60	50	171	106	90	75	63	172	107	90	76	63
November 2030. . . .	139	78	63	50	39	191	103	83	66	52	189	102	82	65	52
November 2031. . . .	147	71	54	41	30	99	50	40	31	24	98	49	39	30	23
November 2032. . . .	155	65	46	32	23	6	2	2	1	1	6	2	2	1	1
November 2033. . . .	164	57	38	25	16	7	2	1	1	1	7	2	1	1	1
November 2034. . . .	151	45	28	17	10	7	2	1	1	0	7	2	1	1	0
November 2035. . . .	127	32	19	11	6	1	0	0	0	0	1	0	0	0	0
November 2036. . . .	88	20	11	6	3	1	0	0	0	0	1	0	0	0	0
November 2037. . . .	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2038. . . .	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2039. . . .	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2040. . . .	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2041. . . .	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2042. . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2043. . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2044. . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2045. . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2046. . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2047. . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2048. . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2049. . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2050. . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2051. . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2052. . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2053. . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2054. . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2055. . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2056. . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2057. . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2058. . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2059. . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2060. . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2061 and thereafter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years). . . .	11.9	8.9	7.4	6.3	5.4	7.3	7.1	6.6	6.0	5.4	7.3	7.0	6.6	6.0	5.4

**Security Group 10
PPC Prepayment Assumption Rates**

Distribution Date	Class IH* 4.81000% 30-day Average SOFR 4.31000% One-Year CMT					Class IH* 10.80000% 30-day Average SOFR 9.83500% One-Year CMT					Class IH* 16.79000% 30-day Average SOFR 15.36000% 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
November 2025. . . .	106	101	99	97	95	111	105	103	101	99	111	105	103	101	99
November 2026. . . .	113	99	94	89	85	124	108	103	98	93	124	108	103	98	93
November 2027. . . .	120	94	87	80	73	138	108	100	92	84	138	109	100	92	84
November 2028. . . .	128	90	79	70	61	154	108	96	84	74	154	108	96	84	74
November 2029. . . .	136	84	71	60	50	171	106	90	75	63	172	107	90	76	63
November 2030. . . .	145	78	63	50	39	191	103	83	66	52	189	102	82	65	52
November 2031. . . .	154	71	54	41	30	100	50	40	31	24	98	49	39	30	23
November 2032. . . .	164	65	46	32	23	6	2	2	1	1	6	2	2	1	1
November 2033. . . .	174	58	38	25	16	7	2	1	1	1	7	2	1	1	1
November 2034. . . .	161	45	28	17	10	7	2	1	1	0	7	2	1	1	0
November 2035. . . .	136	32	19	11	6	1	0	0	0	0	1	0	0	0	0
November 2036. . . .	95	20	11	6	3	1	0	0	0	0	1	0	0	0	0
November 2037. . . .	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2038. . . .	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2039. . . .	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2040. . . .	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2041. . . .	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2042. . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2043. . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2044. . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2045. . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2046. . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2047. . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2048. . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2049. . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2050. . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2051. . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2052. . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2053. . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2054. . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2055. . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2056. . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2057. . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2058. . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2059. . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2060. . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2061 and thereafter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years). . . .	11.9	8.9	7.4	6.3	5.4	7.3	7.1	6.6	6.0	5.4	7.3	7.0	6.6	6.0	5.4

* The decrement tables for Class IH reflect only the Class IH Notional Balance at various rates of PPC and at various levels of 30-day Average 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 Group 11
PPC Prepayment Assumption Rates**

Distribution Date	Class FJ 4.81000% 30-day Average SOFR 4.31000% One-Year CMT					Class FJ 10.80000% 30-day Average SOFR 9.83500% One-Year CMT					Class FJ 16.79000% 30-day Average SOFR 15.36000% 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
November 2025. . . .	106	99	96	94	91	111	103	101	98	95	111	103	101	98	95
November 2026. . . .	112	96	90	85	80	124	105	99	93	88	124	105	99	93	88
November 2027. . . .	118	92	83	75	68	139	106	96	86	78	139	106	96	86	78
November 2028. . . .	125	87	75	65	56	155	105	91	78	67	155	105	91	78	67
November 2029. . . .	132	81	67	55	44	174	102	85	69	56	174	102	85	69	56
November 2030. . . .	140	74	58	45	35	194	99	77	60	46	194	98	77	60	46
November 2031. . . .	148	67	50	36	26	17	8	6	5	4	17	8	6	5	3
November 2032. . . .	156	61	42	28	19	7	3	2	1	1	7	3	2	1	1
November 2033. . . .	165	53	35	22	13	8	2	1	1	1	8	2	1	1	1
November 2034. . . .	175	47	28	16	9	8	2	1	1	0	8	2	1	1	0
November 2035. . . .	55	12	7	4	2	1	0	0	0	0	1	0	0	0	0
November 2036. . . .	13	3	1	1	0	1	0	0	0	0	1	0	0	0	0
November 2037. . . .	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2038. . . .	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2039. . . .	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2040. . . .	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2041. . . .	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2042. . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2043. . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2044 and thereafter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years). . . .	11.2	8.3	6.9	5.8	4.9	6.9	6.6	6.1	5.5	4.9	6.9	6.6	6.1	5.5	4.9

**Security Group 11
PPC Prepayment Assumption Rates**

Distribution Date	Class JI* 4.81000% 30-day Average SOFR 4.31000% One-Year CMT					Class JI* 10.80000% 30-day Average SOFR 9.83500% One-Year CMT					Class JI* 16.79000% 30-day Average SOFR 15.36000% 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
November 2025. . . .	106	99	96	94	91	111	103	101	98	95	111	103	101	98	95
November 2026. . . .	113	96	90	85	80	124	105	99	93	88	124	105	99	93	88
November 2027. . . .	121	92	83	75	68	139	106	96	86	78	139	106	96	86	78
November 2028. . . .	129	87	75	65	56	155	105	91	78	67	155	105	91	78	67
November 2029. . . .	137	81	67	55	44	174	102	85	69	56	174	102	85	69	56
November 2030. . . .	146	74	58	45	35	194	99	77	60	46	194	98	77	60	46
November 2031. . . .	156	67	50	36	26	17	8	6	5	4	17	8	6	5	3
November 2032. . . .	166	61	42	28	19	7	3	2	1	1	7	3	2	1	1
November 2033. . . .	176	53	35	22	13	8	2	1	1	1	8	2	1	1	1
November 2034. . . .	188	47	28	16	9	8	2	1	1	0	8	2	1	1	0
November 2035. . . .	59	12	7	4	2	1	0	0	0	0	1	0	0	0	0
November 2036. . . .	15	3	1	1	0	1	0	0	0	0	1	0	0	0	0
November 2037. . . .	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2038. . . .	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2039. . . .	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2040. . . .	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2041. . . .	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2042. . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2043. . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2044 and thereafter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years). . . .	11.2	8.3	6.9	5.8	4.9	6.9	6.6	6.1	5.5	4.9	6.9	6.6	6.1	5.5	4.9

* The decrement tables for Class JI reflect only the Class JI Notional Balance at various rates of PPC and at various levels of 30-day Average 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 12
PPC Prepayment Assumption Rates**

Distribution Date	Class IJ* 4.81000% 30-day Average SOFR 4.31000% One-Year CMT					Class IJ* 10.80000% 30-day Average SOFR 9.83500% One-Year CMT					Class IJ* 16.79000% 30-day Average SOFR 15.36000% 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
November 2025. . . .	106	100	98	96	94	111	104	102	100	97	111	104	102	100	97
November 2026. . . .	113	98	93	88	83	123	106	101	96	91	123	106	101	96	91
November 2027. . . .	120	94	86	78	71	137	107	98	89	81	137	107	98	89	81
November 2028. . . .	128	89	78	68	59	151	105	92	81	70	145	101	89	78	69
November 2029. . . .	136	83	70	58	48	162	99	84	70	58	162	99	84	70	58
November 2030. . . .	145	77	61	48	38	178	95	76	60	47	177	95	76	60	47
November 2031. . . .	153	70	52	39	29	123	60	46	35	27	122	59	46	35	27
November 2032. . . .	157	61	43	30	21	4	1	1	1	0	4	1	1	1	0
November 2033. . . .	149	49	33	22	14	4	1	1	1	0	4	1	1	1	0
November 2034. . . .	135	38	24	15	9	2	1	0	0	0	2	1	0	0	0
November 2035. . . .	111	27	16	9	5	2	0	0	0	0	2	0	0	0	0
November 2036. . . .	117	23	12	7	3	3	0	0	0	0	3	0	0	0	0
November 2037. . . .	3	0	0	0	0	3	0	0	0	0	3	0	0	0	0
November 2038. . . .	2	0	0	0	0	3	0	0	0	0	3	0	0	0	0
November 2039. . . .	2	0	0	0	0	3	0	0	0	0	3	0	0	0	0
November 2040. . . .	2	0	0	0	0	4	0	0	0	0	4	0	0	0	0
November 2041. . . .	2	0	0	0	0	4	0	0	0	0	4	0	0	0	0
November 2042. . . .	3	0	0	0	0	3	0	0	0	0	3	0	0	0	0
November 2043. . . .	3	0	0	0	0	3	0	0	0	0	3	0	0	0	0
November 2044. . . .	3	0	0	0	0	3	0	0	0	0	3	0	0	0	0
November 2045. . . .	3	0	0	0	0	1	0	0	0	0	0	0	0	0	0
November 2046. . . .	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2047. . . .	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2048. . . .	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2049. . . .	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2050. . . .	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2051. . . .	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2052. . . .	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2053. . . .	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2054. . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2055. . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2056. . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2057. . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2058. . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2059. . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2060. . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2061 and thereafter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years). . . .	11.8	8.6	7.2	6.1	5.3	7.5	6.9	6.4	5.8	5.2	7.5	6.9	6.4	5.8	5.2

* The decrement tables for Class IJ reflect only the Class IJ Notional Balance at various rates of PPC and at various levels of 30-day Average SOFR and One-Year CMT. In addition to the current interest accrual amount on the Class IJ Notional Balance at the Class IJ Interest Rate, Class IJ is entitled to the Class IJ Deferred Interest Amount. No representation is made about the timing of distributions of the Class IJ Deferred Interest Amount other than that such amount will be paid no later than the Final Distribution Date for Class IJ.

**Security Group 12
PPC Prepayment Assumption Rates**

Distribution Date	Class JF 4.81000% 30-day Average SOFR 4.31000% One-Year CMT					Class JF 10.80000% 30-day Average SOFR 9.83500% One-Year CMT					Class JF 16.79000% 30-day Average SOFR 15.36000% 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
November 2025. . . .	106	100	98	96	94	111	104	102	100	97	111	104	102	100	97
November 2026. . . .	112	98	93	88	83	123	106	101	96	91	123	106	101	96	91
November 2027. . . .	118	94	86	78	71	137	107	98	89	81	137	107	98	89	81
November 2028. . . .	125	89	78	68	59	151	105	92	81	70	145	101	89	78	69
November 2029. . . .	132	83	70	58	48	162	99	84	70	58	162	99	84	70	58
November 2030. . . .	139	77	61	48	38	178	95	76	60	47	177	95	76	60	47
November 2031. . . .	146	70	52	39	29	123	60	46	35	27	122	59	46	35	27
November 2032. . . .	149	61	43	30	21	4	1	1	1	0	4	1	1	1	0
November 2033. . . .	140	49	33	22	14	4	1	1	1	0	4	1	1	1	0
November 2034. . . .	126	38	24	15	9	2	1	0	0	0	2	1	0	0	0
November 2035. . . .	103	26	16	9	5	2	0	0	0	0	2	0	0	0	0
November 2036. . . .	109	23	12	7	3	3	0	0	0	0	3	0	0	0	0
November 2037. . . .	3	0	0	0	0	3	0	0	0	0	3	0	0	0	0
November 2038. . . .	2	0	0	0	0	3	0	0	0	0	3	0	0	0	0
November 2039. . . .	2	0	0	0	0	3	0	0	0	0	3	0	0	0	0
November 2040. . . .	2	0	0	0	0	4	0	0	0	0	4	0	0	0	0
November 2041. . . .	2	0	0	0	0	4	0	0	0	0	4	0	0	0	0
November 2042. . . .	2	0	0	0	0	3	0	0	0	0	3	0	0	0	0
November 2043. . . .	2	0	0	0	0	3	0	0	0	0	3	0	0	0	0
November 2044. . . .	2	0	0	0	0	3	0	0	0	0	3	0	0	0	0
November 2045. . . .	3	0	0	0	0	1	0	0	0	0	0	0	0	0	0
November 2046. . . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2047. . . .	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2048. . . .	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2049. . . .	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2050. . . .	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2051. . . .	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2052. . . .	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2053. . . .	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2054. . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2055. . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2056. . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2057. . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2058. . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2059. . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2060. . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2061 and thereafter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years). . . .	11.8	8.6	7.2	6.1	5.3	7.5	6.9	6.4	5.8	5.2	7.5	6.9	6.4	5.8	5.2

**Security Group 12
PPC Prepayment Assumption Rates**

Distribution Date	Class KF 4.81000% 30-day Average SOFR 4.31000% One-Year CMT					Class KF 10.80000% 30-day Average SOFR 9.83500% One-Year CMT					Class KF 16.79000% 30-day Average SOFR 15.36000% 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
November 2025. . . .	106	100	98	96	94	111	104	102	100	97	111	104	102	100	97
November 2026. . . .	112	98	93	88	83	123	106	101	96	91	123	106	101	96	91
November 2027. . . .	119	94	86	78	71	137	107	98	89	81	137	107	98	89	81
November 2028. . . .	126	89	78	68	59	151	105	92	81	70	145	101	89	78	69
November 2029. . . .	133	83	70	58	48	162	99	84	70	58	162	99	84	70	58
November 2030. . . .	141	77	61	48	38	178	95	76	60	47	177	95	76	60	47
November 2031. . . .	148	70	52	39	29	123	60	46	35	27	122	59	46	35	27
November 2032. . . .	151	61	43	30	21	4	1	1	1	0	4	1	1	1	0
November 2033. . . .	143	49	33	22	14	4	1	1	1	0	4	1	1	1	0
November 2034. . . .	128	38	24	15	9	2	1	0	0	0	2	1	0	0	0
November 2035. . . .	105	27	16	9	5	2	0	0	0	0	2	0	0	0	0
November 2036. . . .	111	23	12	7	3	3	0	0	0	0	3	0	0	0	0
November 2037. . . .	3	0	0	0	0	3	0	0	0	0	3	0	0	0	0
November 2038. . . .	2	0	0	0	0	3	0	0	0	0	3	0	0	0	0
November 2039. . . .	2	0	0	0	0	3	0	0	0	0	3	0	0	0	0
November 2040. . . .	2	0	0	0	0	4	0	0	0	0	4	0	0	0	0
November 2041. . . .	2	0	0	0	0	4	0	0	0	0	4	0	0	0	0
November 2042. . . .	2	0	0	0	0	3	0	0	0	0	3	0	0	0	0
November 2043. . . .	2	0	0	0	0	3	0	0	0	0	3	0	0	0	0
November 2044. . . .	3	0	0	0	0	3	0	0	0	0	3	0	0	0	0
November 2045. . . .	3	0	0	0	0	1	0	0	0	0	0	0	0	0	0
November 2046. . . .	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2047. . . .	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2048. . . .	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2049. . . .	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2050. . . .	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2051. . . .	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2052. . . .	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2053. . . .	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2054. . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2055. . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2056. . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2057. . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2058. . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2059. . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2060. . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2061 and thereafter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years). . . .	11.8	8.6	7.2	6.1	5.3	7.5	6.9	6.4	5.8	5.2	7.5	6.9	6.4	5.8	5.2

**Security Group 13
PPC Prepayment Assumption Rates**

Distribution Date	Class FL 4.81000% 30-day Average SOFR 4.31000% One-Year CMT					Class FL 10.80000% 30-day Average SOFR 9.83500% One-Year CMT					Class FL 16.79000% 30-day Average SOFR 15.36000% 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
November 2025. . . .	106	104	103	102	101	111	108	108	107	106	111	108	108	107	106
November 2026. . . .	112	104	101	98	95	124	114	111	107	104	124	114	111	107	104
November 2027. . . .	118	101	96	90	85	138	117	110	104	98	138	117	110	104	98
November 2028. . . .	125	98	89	81	73	154	118	107	97	88	154	118	107	97	88
November 2029. . . .	132	93	81	71	61	171	117	103	89	77	171	117	103	89	77
November 2030. . . .	140	87	73	60	50	191	115	96	80	66	191	115	96	80	66
November 2031. . . .	148	80	64	50	39	211	111	88	69	54	211	111	88	69	54
November 2032. . . .	156	74	55	41	30	1	1	1	0	0	1	1	1	0	0
November 2033. . . .	164	66	46	32	22	0	0	0	0	0	0	0	0	0	0
November 2034. . . .	173	59	39	25	16	0	0	0	0	0	0	0	0	0	0
November 2035. . . .	183	51	32	19	11	0	0	0	0	0	0	0	0	0	0
November 2036. . . .	192	44	25	14	7	0	0	0	0	0	0	0	0	0	0
November 2037 and thereafter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years).	12.6	9.8	8.4	7.2	6.3	7.7	7.6	7.2	6.7	6.2	7.7	7.6	7.2	6.7	6.2

PPC Prepayment Assumption Rates

Distribution Date	Class LI* 4.81000% 30-day Average SOFR 4.31000% One-Year CMT					Class LI* 10.80000% 30-day Average SOFR 9.83500% One-Year CMT					Class LI* 16.79000% 30-day Average SOFR 15.36000% 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
November 2025. . . .	106	104	103	102	101	111	109	108	107	106	111	109	108	107	106
November 2026. . . .	113	104	101	98	95	124	114	111	107	104	124	114	111	107	104
November 2027. . . .	120	102	96	90	85	138	117	110	104	98	138	117	110	104	98
November 2028. . . .	128	98	89	81	73	154	118	107	97	88	154	118	107	97	88
November 2029. . . .	136	93	81	71	61	171	117	103	89	77	171	117	103	89	77
November 2030. . . .	145	87	73	60	50	191	115	96	80	66	191	115	96	80	66
November 2031. . . .	154	81	64	50	39	211	111	88	69	54	211	111	88	69	54
November 2032. . . .	163	74	55	41	30	1	1	1	0	0	1	1	1	0	0
November 2033. . . .	172	66	47	32	22	0	0	0	0	0	0	0	0	0	0
November 2034. . . .	183	59	39	25	16	0	0	0	0	0	0	0	0	0	0
November 2035. . . .	194	52	32	19	11	0	0	0	0	0	0	0	0	0	0
November 2036. . . .	205	44	25	14	7	0	0	0	0	0	0	0	0	0	0
November 2037 and thereafter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years).	12.6	9.8	8.4	7.2	6.3	7.7	7.6	7.2	6.7	6.2	7.7	7.6	7.2	6.7	6.2

* The decrement tables for Class LI reflect only the Class LI Notional Balance at various rates of PPC and at various levels of 30-day Average SOFR and One-Year CMT. 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 14
PPC Prepayment Assumption Rates**

Distribution Date	Class II* 4.81000% 30-day Average SOFR 4.31000% One-Year CMT					Class II* 10.80000% 30-day Average SOFR 9.83500% One-Year CMT					Class II* 16.79000% 30-day Average SOFR 15.36000% 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
November 2025. . . .	106	101	99	98	96	111	105	104	102	100	111	105	104	102	100
November 2026. . . .	113	100	95	91	87	123	109	104	100	95	123	109	104	100	95
November 2027. . . .	120	96	89	82	76	137	110	102	94	87	137	110	102	94	87
November 2028. . . .	128	92	82	72	64	152	109	97	86	76	152	109	97	86	76
November 2029. . . .	135	86	73	62	52	169	107	91	77	65	169	107	91	77	65
November 2030. . . .	143	79	64	52	41	104	55	44	35	27	104	55	44	35	27
November 2031. . . .	152	73	56	42	32	42	21	16	12	9	42	21	16	12	9
November 2032. . . .	160	65	47	34	24	13	5	3	2	1	13	5	3	2	1
November 2033. . . .	168	58	39	26	17	13	4	3	2	1	13	4	3	2	1
November 2034. . . .	34	10	7	4	3	14	3	2	1	1	14	3	2	1	1
November 2035. . . .	34	8	5	3	2	15	3	2	1	0	15	3	2	1	0
November 2036. . . .	35	7	4	2	1	17	3	1	1	0	17	3	1	1	0
November 2037. . . .	11	1	1	0	0	0	0	0	0	0	0	0	0	0	0
November 2038. . . .	12	1	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2039. . . .	12	1	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2040. . . .	13	1	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2041. . . .	14	1	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2042. . . .	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2043. . . .	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2044 and thereafter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years). . . .	10.9	8.3	7.2	6.2	5.5	6.9	6.3	6.0	5.6	5.1	6.9	6.3	6.0	5.6	5.1

* The decrement tables for Class II reflect only the Class II Notional Balance at various rates of PPC and at various levels of 30-day Average SOFR and One-Year CMT. In addition to the current interest accrual amount on the Class II Notional Balance at the Class II Interest Rate, Class II is entitled to the Class II Deferred Interest Amount. No representation is made about the timing of distributions of the Class II Deferred Interest Amount other than that such amount will be paid no later than the Final Distribution Date for Class II.

**Security Group 14
PPC Prepayment Assumption Rates**

Distribution Date	Class LF 4.81000% 30-day Average SOFR 4.31000% One-Year CMT					Class LF 10.80000% 30-day Average SOFR 9.83500% One-Year CMT					Class LF 16.79000% 30-day Average SOFR 15.36000% 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
November 2025. . . .	106	101	99	98	96	111	105	104	102	100	111	105	104	102	100
November 2026. . . .	113	100	95	91	87	123	109	104	100	95	123	109	104	100	95
November 2027. . . .	120	96	89	82	76	137	110	102	94	87	137	110	102	94	87
November 2028. . . .	127	92	82	72	64	152	109	97	86	76	152	109	97	86	76
November 2029. . . .	135	86	73	62	52	169	107	91	77	65	169	107	91	77	65
November 2030. . . .	143	79	64	52	41	104	55	44	35	27	104	55	44	35	27
November 2031. . . .	152	73	56	42	32	42	21	16	12	9	42	21	16	12	9
November 2032. . . .	159	65	47	34	24	13	5	3	2	1	13	5	3	2	1
November 2033. . . .	167	58	39	26	17	13	4	3	2	1	13	4	3	2	1
November 2034. . . .	34	10	7	4	3	14	3	2	1	1	14	3	2	1	1
November 2035. . . .	34	8	5	3	2	15	3	2	1	0	15	3	2	1	0
November 2036. . . .	35	7	4	2	1	17	3	1	1	0	17	3	1	1	0
November 2037. . . .	11	1	1	0	0	0	0	0	0	0	0	0	0	0	0
November 2038. . . .	11	1	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2039. . . .	12	1	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2040. . . .	13	1	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2041. . . .	13	1	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2042. . . .	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2043. . . .	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2044 and thereafter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years). . . .	10.9	8.3	7.2	6.2	5.5	6.9	6.3	6.0	5.6	5.1	6.9	6.3	6.0	5.6	5.1

**Security Group 15
PPC Prepayment Assumption Rates**

Distribution Date	Class FM 4.81000% 30-day Average SOFR 4.31000% One-Year CMT					Class FM 10.80000% 30-day Average SOFR 9.83500% One-Year CMT					Class FM 16.79000% 30-day Average SOFR 15.36000% 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
November 2025. . . .	106	101	100	98	97	111	106	104	103	101	111	106	104	103	101
November 2026. . . .	112	100	96	92	88	123	109	105	101	96	123	109	105	101	96
November 2027. . . .	118	97	90	83	77	137	111	103	95	88	137	111	103	95	88
November 2028. . . .	125	92	83	74	65	152	110	98	87	78	152	110	98	87	78
November 2029. . . .	132	87	74	63	54	169	108	93	79	67	169	108	93	79	67
November 2030. . . .	139	80	65	53	42	130	71	57	46	37	130	71	57	46	37
November 2031. . . .	146	74	57	43	33	75	38	30	24	18	75	38	30	24	18
November 2032. . . .	153	66	48	35	24	11	4	3	2	1	11	4	3	2	1
November 2033. . . .	161	58	40	27	18	10	3	2	1	1	10	3	2	1	1
November 2034. . . .	65	21	14	9	5	11	3	2	1	1	11	3	2	1	1
November 2035. . . .	66	18	11	6	4	11	2	1	1	0	11	2	1	1	0
November 2036. . . .	65	14	8	4	2	13	2	1	0	0	13	2	1	0	0
November 2037. . . .	11	2	1	0	0	0	0	0	0	0	0	0	0	0	0
November 2038. . . .	9	1	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2039. . . .	9	1	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2040. . . .	9	1	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2041. . . .	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2042. . . .	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2043. . . .	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2044 and thereafter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years). . . .	11.3	8.6	7.4	6.4	5.6	7.1	6.6	6.3	5.8	5.4	7.1	6.6	6.3	5.8	5.4

**Security Group 15
PPC Prepayment Assumption Rates**

Distribution Date	Class MI* 4.81000% 30-day Average SOFR 4.31000% One-Year CMT					Class MI* 10.80000% 30-day Average SOFR 9.83500% One-Year CMT					Class MI* 16.79000% 30-day Average SOFR 15.36000% 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
November 2025. . . .	106	102	100	98	97	111	106	104	103	101	111	106	104	103	101
November 2026. . . .	113	100	96	92	88	123	109	105	101	96	123	109	105	101	96
November 2027. . . .	120	97	90	83	77	137	111	103	95	88	137	111	103	95	88
November 2028. . . .	128	92	83	74	65	152	110	98	87	78	152	110	98	87	78
November 2029. . . .	136	87	74	63	54	169	108	93	79	67	169	108	93	79	67
November 2030. . . .	143	80	65	53	42	130	71	57	46	37	130	71	57	46	37
November 2031. . . .	152	74	57	43	33	75	38	30	24	18	75	38	30	24	18
November 2032. . . .	160	66	48	35	24	11	4	3	2	1	11	4	3	2	1
November 2033. . . .	168	59	40	27	18	10	3	2	1	1	10	3	2	1	1
November 2034. . . .	68	21	14	9	5	11	3	2	1	1	11	3	2	1	1
November 2035. . . .	69	18	11	6	4	11	2	1	1	0	11	2	1	1	0
November 2036. . . .	69	14	8	4	2	13	2	1	0	0	13	2	1	0	0
November 2037. . . .	11	2	1	0	0	0	0	0	0	0	0	0	0	0	0
November 2038. . . .	9	1	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2039. . . .	10	1	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2040. . . .	10	1	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2041. . . .	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2042. . . .	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2043. . . .	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2044 and thereafter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years). . . .	11.3	8.6	7.4	6.4	5.6	7.1	6.6	6.3	5.8	5.4	7.1	6.6	6.3	5.8	5.4

* The decrement tables for Class MI reflect only the Class MI Notional Balance at various rates of PPC and at various levels of 30-day Average 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 16
PPC Prepayment Assumption Rates**

Distribution Date	Class IM* 4.81000% 30-day Average SOFR 4.31000% One-Year CMT					Class IM* 10.80000% 30-day Average SOFR 9.83500% One-Year CMT					Class IM* 16.79000% 30-day Average SOFR 15.36000% 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
November 2025. . . .	106	103	102	101	100	111	107	106	105	104	111	107	106	105	104
November 2026. . . .	113	102	99	96	92	123	111	108	104	100	123	111	108	104	100
November 2027. . . .	120	100	93	87	82	136	113	106	100	93	136	113	106	100	93
November 2028. . . .	128	96	86	78	70	152	114	103	93	83	152	114	103	93	83
November 2029. . . .	136	90	78	68	58	168	112	98	84	72	168	112	98	84	72
November 2030. . . .	144	84	70	57	47	185	109	90	74	61	185	109	90	74	61
November 2031. . . .	153	78	61	47	37	182	95	76	59	46	182	95	76	59	46
November 2032. . . .	148	66	49	37	27	2	1	0	0	0	2	1	0	0	0
November 2033. . . .	156	59	42	29	20	1	0	0	0	0	1	0	0	0	0
November 2034. . . .	157	50	33	22	14	1	0	0	0	0	1	0	0	0	0
November 2035. . . .	167	44	27	16	9	2	0	0	0	0	2	0	0	0	0
November 2036. . . .	177	38	22	12	6	2	0	0	0	0	2	0	0	0	0
November 2037. . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2038. . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2039. . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2040. . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2041. . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2042. . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2043. . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2044 and thereafter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years). . . .	12.4	9.4	8.0	6.9	6.1	7.7	7.5	7.1	6.5	6.0	7.7	7.5	7.1	6.5	6.0

* The decrement tables for Class IM reflect only the Class IM Notional Balance at various rates of PPC and at various levels of 30-day Average 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 16
PPC Prepayment Assumption Rates**

Distribution Date	Class MF 4.81000% 30-day Average SOFR 4.31000% One-Year CMT					Class MF 10.80000% 30-day Average SOFR 9.83500% One-Year CMT					Class MF 16.79000% 30-day Average SOFR 15.36000% 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
November 2025. . . .	106	103	102	101	99	111	107	106	105	104	111	107	106	105	104
November 2026. . . .	112	102	99	95	92	123	111	108	104	100	123	111	108	104	100
November 2027. . . .	118	99	93	87	82	136	113	106	100	93	136	113	106	100	93
November 2028. . . .	125	95	86	78	70	152	114	103	93	83	152	114	103	93	83
November 2029. . . .	132	90	78	67	58	168	112	98	84	72	168	112	98	84	72
November 2030. . . .	140	84	70	57	47	185	109	90	74	61	185	109	90	74	61
November 2031. . . .	147	78	61	47	37	182	95	76	59	46	182	95	76	59	46
November 2032. . . .	142	66	49	36	27	2	1	0	0	0	2	1	0	0	0
November 2033. . . .	148	59	41	29	19	1	0	0	0	0	1	0	0	0	0
November 2034. . . .	149	50	33	22	14	1	0	0	0	0	1	0	0	0	0
November 2035. . . .	158	44	27	16	9	2	0	0	0	0	2	0	0	0	0
November 2036. . . .	166	38	22	12	6	2	0	0	0	0	2	0	0	0	0
November 2037. . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2038. . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2039. . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2040. . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2041. . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2042. . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2043. . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2044 and thereafter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years). . . .	12.4	9.4	8.0	6.9	6.1	7.7	7.5	7.1	6.5	6.0	7.7	7.5	7.1	6.5	6.0

**Security Groups 11 and 16
PPC Prepayment Assumption Rates**

Distribution Date	Class B 4.81000% 30-day Average SOFR 4.31000% One-Year CMT					Class B 10.80000% 30-day Average SOFR 9.83500% One-Year CMT					Class B 16.79000% 30-day Average SOFR 15.36000% 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
November 2025. . . .	107	103	102	101	99	111	107	106	105	104	111	107	106	105	104
November 2026. . . .	114	102	99	95	92	123	111	108	104	100	123	111	108	104	100
November 2027. . . .	122	99	93	87	82	136	113	106	100	93	136	113	106	100	93
November 2028. . . .	130	95	86	78	70	152	114	103	93	83	152	114	103	93	83
November 2029. . . .	139	90	78	67	58	168	112	98	84	72	168	112	98	84	72
November 2030. . . .	148	84	70	57	47	185	109	90	74	61	185	109	90	74	61
November 2031. . . .	158	78	61	47	37	182	95	76	59	46	182	95	76	59	46
November 2032. . . .	154	66	49	36	27	2	1	0	0	0	2	1	0	0	0
November 2033. . . .	163	59	41	29	19	1	0	0	0	0	1	0	0	0	0
November 2034. . . .	167	50	33	22	14	1	0	0	0	0	1	0	0	0	0
November 2035. . . .	164	44	27	16	9	2	0	0	0	0	2	0	0	0	0
November 2036. . . .	168	38	22	12	6	2	0	0	0	0	2	0	0	0	0
November 2037. . . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2038. . . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2039. . . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2040. . . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2041. . . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2042. . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2043. . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2044 and thereafter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years). . . .	12.3	9.4	8.0	6.9	6.1	7.7	7.5	7.1	6.5	6.0	7.7	7.5	7.1	6.5	6.0

**Security Group 17
PPC Prepayment Assumption Rates**

Distribution Date	Class FN 4.81000% 30-day Average SOFR 4.31000% One-Year CMT					Class FN 10.80000% 30-day Average SOFR 9.83500% One-Year CMT					Class FN 16.79000% 30-day Average SOFR 15.36000% 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
November 2025 . . .	106	101	100	98	97	110	106	104	102	101	110	106	104	102	101
November 2026 . . .	112	100	96	92	88	122	109	104	100	96	122	109	104	100	96
November 2027 . . .	118	97	90	84	77	136	110	102	95	88	136	110	102	95	88
November 2028 . . .	125	92	83	74	65	151	110	98	87	78	151	110	98	87	78
November 2029 . . .	132	87	74	63	54	166	107	92	78	66	166	107	92	78	66
November 2030 . . .	140	81	66	53	43	183	103	84	68	55	183	103	84	68	55
November 2031 . . .	147	74	57	44	33	139	72	57	45	35	139	72	57	45	35
November 2032 . . .	131	59	43	32	23	7	3	2	1	1	7	3	2	1	1
November 2033 . . .	137	52	36	25	17	7	2	1	1	1	7	2	1	1	1
November 2034 . . .	139	45	29	19	11	2	0	0	0	0	2	0	0	0	0
November 2035 . . .	117	32	20	12	7	2	0	0	0	0	2	0	0	0	0
November 2036 . . .	123	28	16	9	5	2	0	0	0	0	2	0	0	0	0
November 2037 . . .	54	10	5	3	1	1	0	0	0	0	1	0	0	0	0
November 2038 . . .	6	1	0	0	0	1	0	0	0	0	1	0	0	0	0
November 2039 . . .	2	0	0	0	0	1	0	0	0	0	1	0	0	0	0
November 2040 . . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2041 . . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2042 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2043 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2044 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2045 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2046 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2047 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2048 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2049 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2050 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2051 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2052 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2053 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2054 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2055 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2056 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2057 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2058 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2059 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2060 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2061 and thereafter . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years) . . .	11.9	9.0	7.6	6.6	5.7	7.6	7.3	6.8	6.3	5.7	7.6	7.3	6.8	6.3	5.7

**Security Group 17
PPC Prepayment Assumption Rates**

Distribution Date	Class NF 4.81000% 30-day Average SOFR 4.31000% One-Year CMT					Class NF 10.80000% 30-day Average SOFR 9.83500% One-Year CMT					Class NF 16.79000% 30-day Average SOFR 15.36000% 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
November 2025 . . .	106	102	100	98	97	110	106	104	102	101	110	106	104	102	101
November 2026 . . .	113	100	96	92	88	123	109	104	100	96	123	109	104	100	96
November 2027 . . .	119	97	90	84	77	136	110	102	95	88	136	110	102	95	88
November 2028 . . .	127	93	83	74	65	151	110	98	87	78	151	110	98	87	78
November 2029 . . .	134	87	75	63	54	166	107	92	78	66	166	107	92	78	66
November 2030 . . .	142	81	66	53	43	183	103	84	68	55	183	103	84	68	55
November 2031 . . .	150	74	57	44	33	139	72	57	45	35	139	72	57	45	35
November 2032 . . .	134	59	43	32	23	7	3	2	1	1	7	3	2	1	1
November 2033 . . .	140	52	36	25	17	7	2	1	1	1	7	2	1	1	1
November 2034 . . .	143	45	29	19	11	2	0	0	0	0	2	0	0	0	0
November 2035 . . .	121	32	20	12	7	2	0	0	0	0	2	0	0	0	0
November 2036 . . .	127	28	16	9	5	2	0	0	0	0	2	0	0	0	0
November 2037 . . .	56	10	5	3	1	1	0	0	0	0	1	0	0	0	0
November 2038 . . .	6	1	0	0	0	1	0	0	0	0	1	0	0	0	0
November 2039 . . .	2	0	0	0	0	1	0	0	0	0	1	0	0	0	0
November 2040 . . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2041 . . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2042 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2043 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2044 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2045 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2046 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2047 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2048 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2049 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2050 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2051 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2052 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2053 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2054 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2055 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2056 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2057 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2058 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2059 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2060 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2061 and thereafter . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years) . . .	12.0	9.0	7.6	6.6	5.7	7.6	7.3	6.8	6.3	5.7	7.6	7.3	6.8	6.3	5.7

**Security Group 17
PPC Prepayment Assumption Rates**

Distribution Date	Class NI* 4.81000% 30-day Average SOFR 4.31000% One-Year CMT					Class NI* 10.80000% 30-day Average SOFR 9.83500% One-Year CMT					Class NI* 16.79000% 30-day Average SOFR 15.36000% 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
November 2025 . . .	106	102	100	98	97	110	106	104	102	101	110	106	104	102	101
November 2026 . . .	113	100	96	92	88	123	109	104	100	96	123	109	104	100	96
November 2027 . . .	120	97	90	84	77	136	110	102	95	88	136	110	102	95	88
November 2028 . . .	128	93	83	74	65	151	110	98	87	78	151	110	98	87	78
November 2029 . . .	136	87	75	63	54	166	107	92	78	66	166	107	92	78	66
November 2030 . . .	144	81	66	53	43	183	103	84	68	55	183	103	84	68	55
November 2031 . . .	152	74	57	44	33	139	72	57	45	35	139	72	57	45	35
November 2032 . . .	136	59	43	32	23	7	3	2	1	1	7	3	2	1	1
November 2033 . . .	143	52	36	25	17	7	2	1	1	1	7	2	1	1	1
November 2034 . . .	146	45	29	19	11	2	0	0	0	0	2	0	0	0	0
November 2035 . . .	124	32	20	12	7	2	0	0	0	0	2	0	0	0	0
November 2036 . . .	130	28	16	9	5	2	0	0	0	0	2	0	0	0	0
November 2037 . . .	58	10	5	3	1	1	0	0	0	0	1	0	0	0	0
November 2038 . . .	6	1	0	0	0	1	0	0	0	0	1	0	0	0	0
November 2039 . . .	2	0	0	0	0	1	0	0	0	0	1	0	0	0	0
November 2040 . . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2041 . . .	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2042 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2043 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2044 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2045 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2046 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2047 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2048 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2049 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2050 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2051 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2052 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2053 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2054 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2055 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2056 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2057 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2058 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2059 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2060 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2061 and thereafter . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years) . . .	12.0	9.0	7.6	6.6	5.7	7.6	7.3	6.8	6.3	5.7	7.6	7.3	6.8	6.3	5.7

* The decrement tables for Class NI reflect only the Class NI Notional Balance at various rates of PPC and at various levels of 30-day Average 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 Groups 11, 12, 14, 15, 16 and 17
PPC Prepayment Assumption Rates**

Distribution Date	Class IN* 4.81000% 30-day Average SOFR 4.31000% One-Year CMT					Class IN* 10.80000% 30-day Average SOFR 9.83500% One-Year CMT					Class IN* 16.79000% 30-day Average SOFR 15.36000% 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
November 2025 . . .	106	101	99	97	96	111	105	103	101	99	111	105	103	101	99
November 2026 . . .	113	99	95	91	86	123	108	103	99	94	123	108	103	99	94
November 2027 . . .	120	96	88	81	75	137	109	101	93	85	137	109	101	93	85
November 2028 . . .	128	91	81	72	63	151	108	96	85	75	149	107	95	84	74
November 2029 . . .	136	86	73	61	51	165	105	89	75	63	166	105	89	75	63
November 2030 . . .	145	79	64	51	41	171	94	76	61	49	171	94	76	61	48
November 2031 . . .	153	72	55	42	31	117	59	47	36	28	117	59	46	36	28
November 2032 . . .	150	61	44	32	22	6	2	2	1	1	6	2	2	1	1
November 2033 . . .	152	53	36	24	16	6	2	1	1	0	6	2	1	1	0
November 2034 . . .	129	38	24	15	9	4	1	1	0	0	4	1	1	0	0
November 2035 . . .	107	27	16	10	5	4	1	0	0	0	4	1	0	0	0
November 2036 . . .	110	23	13	7	4	4	1	0	0	0	4	1	0	0	0
November 2037 . . .	25	4	2	1	0	2	0	0	0	0	2	0	0	0	0
November 2038 . . .	5	1	0	0	0	2	0	0	0	0	2	0	0	0	0
November 2039 . . .	4	0	0	0	0	2	0	0	0	0	2	0	0	0	0
November 2040 . . .	4	0	0	0	0	1	0	0	0	0	1	0	0	0	0
November 2041 . . .	4	0	0	0	0	1	0	0	0	0	1	0	0	0	0
November 2042 . . .	3	0	0	0	0	1	0	0	0	0	1	0	0	0	0
November 2043 . . .	4	0	0	0	0	1	0	0	0	0	1	0	0	0	0
November 2044 . . .	1	0	0	0	0	1	0	0	0	0	1	0	0	0	0
November 2045 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2046 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2047 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2048 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2049 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2050 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2051 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2052 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2053 . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2054 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2055 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2056 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2057 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2058 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2059 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2060 . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2061 and thereafter . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years) . . .	11.9	8.8	7.4	6.4	5.5	7.5	7.0	6.6	6.0	5.5	7.5	7.0	6.6	6.0	5.5

* The decrement tables for Class IN reflect only the Class IN Notional Balance at various rates of PPC and at various levels of 30-day Average 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 Group 18
PPC Prepayment Assumption Rates**

Distribution Date	Class PF 4.81000% 30-day Average SOFR 4.31000% One-Year CMT					Class PF 10.80000% 30-day Average SOFR 9.83500% One-Year CMT					Class PF 16.79000% 30-day Average SOFR 15.36000% 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
November 2025. . . .	106	101	99	97	95	112	106	104	102	100	112	106	104	102	100
November 2026. . . .	112	99	95	90	86	125	109	104	99	95	125	109	104	99	95
November 2027. . . .	119	96	88	81	74	140	111	102	94	86	140	111	102	94	86
November 2028. . . .	126	91	81	71	63	157	111	99	87	76	157	111	99	87	76
November 2029. . . .	133	86	73	61	51	176	110	93	78	65	176	110	93	78	65
November 2030. . . .	141	79	64	51	40	196	107	86	69	54	196	107	86	69	54
November 2031. . . .	148	72	55	41	31	84	43	34	26	20	84	43	34	26	20
November 2032. . . .	157	65	47	33	23	12	5	3	2	1	12	5	3	2	1
November 2033. . . .	166	58	39	26	17	13	4	3	2	1	13	4	3	2	1
November 2034. . . .	175	51	32	19	12	11	3	2	1	1	11	3	2	1	1
November 2035. . . .	161	39	23	13	7	0	0	0	0	0	0	0	0	0	0
November 2036. . . .	71	16	9	5	3	0	0	0	0	0	0	0	0	0	0
November 2037. . . .	45	8	4	2	1	0	0	0	0	0	0	0	0	0	0
November 2038. . . .	11	1	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2039. . . .	8	1	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2040 and thereafter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years). . . .	11.9	9.0	7.5	6.4	5.5	7.2	7.0	6.6	6.0	5.5	7.2	7.0	6.6	6.0	5.5

PPC Prepayment Assumption Rates

Distribution Date	Class PF 4.81000% 30-day Average SOFR 4.31000% One-Year CMT					Class PF 10.80000% 30-day Average SOFR 9.83500% One-Year CMT					Class PF 16.79000% 30-day Average SOFR 15.36000% 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
November 2025. . . .	106	101	99	97	95	112	106	104	102	100	112	106	104	102	100
November 2026. . . .	112	99	94	90	86	125	109	104	99	95	125	109	104	99	95
November 2027. . . .	118	96	88	81	74	140	111	102	94	86	140	111	102	94	86
November 2028. . . .	125	91	81	71	63	157	111	99	87	76	157	111	99	87	76
November 2029. . . .	132	86	73	61	51	176	110	93	78	65	176	110	93	78	65
November 2030. . . .	140	79	64	51	40	196	107	86	69	54	196	107	86	69	54
November 2031. . . .	147	72	55	41	31	84	43	34	26	20	84	43	34	26	20
November 2032. . . .	155	65	47	33	23	12	5	3	2	1	12	5	3	2	1
November 2033. . . .	164	58	39	26	17	13	4	3	2	1	13	4	3	2	1
November 2034. . . .	172	51	32	19	12	11	3	2	1	1	11	3	2	1	1
November 2035. . . .	158	39	23	13	7	0	0	0	0	0	0	0	0	0	0
November 2036. . . .	70	16	9	5	3	0	0	0	0	0	0	0	0	0	0
November 2037. . . .	45	8	4	2	1	0	0	0	0	0	0	0	0	0	0
November 2038. . . .	11	1	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2039. . . .	8	1	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2040 and thereafter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years). . . .	11.9	9.0	7.5	6.4	5.5	7.2	7.0	6.6	6.0	5.5	7.2	7.0	6.6	6.0	5.5

**Security Group 18
PPC Prepayment Assumption Rates**

Distribution Date	Class PI* 4.81000% 30-day Average SOFR 4.31000% One-Year CMT					Class PI* 10.80000% 30-day Average SOFR 9.83500% One-Year CMT					Class PI* 16.79000% 30-day Average SOFR 15.36000% 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
November 2025. . . .	106	101	99	97	95	112	106	104	102	100	112	106	104	102	100
November 2026. . . .	113	99	95	90	86	125	109	104	99	95	125	109	104	99	95
November 2027. . . .	121	96	88	81	74	140	111	102	94	86	140	111	102	94	86
November 2028. . . .	129	91	81	71	63	157	111	99	87	76	157	111	99	87	76
November 2029. . . .	137	86	73	61	51	176	110	93	78	65	176	110	93	78	65
November 2030. . . .	146	80	64	51	40	196	107	86	69	54	196	107	86	69	54
November 2031. . . .	154	72	55	41	31	84	43	34	26	20	84	43	34	26	20
November 2032. . . .	164	65	47	33	23	12	5	3	2	1	12	5	3	2	1
November 2033. . . .	174	58	39	26	17	13	4	3	2	1	13	4	3	2	1
November 2034. . . .	184	51	32	19	12	11	3	2	1	1	11	3	2	1	1
November 2035. . . .	170	39	23	13	7	0	0	0	0	0	0	0	0	0	0
November 2036. . . .	76	16	9	5	3	0	0	0	0	0	0	0	0	0	0
November 2037. . . .	48	8	4	2	1	0	0	0	0	0	0	0	0	0	0
November 2038. . . .	12	1	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2039. . . .	9	1	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2040 and thereafter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years). . . .	12.0	9.0	7.5	6.4	5.5	7.2	7.0	6.6	6.0	5.5	7.2	7.0	6.6	6.0	5.5

* The decrement tables for Class PI reflect only the Class PI Notional Balance at various rates of PPC and at various levels of 30-day Average SOFR and One-Year CMT. In addition to the current interest accrual amount on the Class PI Notional Balance at the Class PI Interest Rate, Class PI is entitled to the Class PI Deferred Interest Amount. No representation is made about the timing of distributions of the Class PI Deferred Interest Amount other than that such amount will be paid no later than the Final Distribution Date for Class PI.

**Security Groups 10, 11, 12, 13, 14, 15, 16, 17 and 18
PPC Prepayment Assumption Rates**

Distribution Date	Class KI* 4.81000% 30-day Average SOFR 4.31000% One-Year CMT					Class KI* 10.80000% 30-day Average SOFR 9.83500% One-Year CMT					Class KI* 16.79000% 30-day Average SOFR 15.36000% 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
November 2025. . . .	106	101	99	98	96	111	105	103	102	100	111	105	103	102	100
November 2026. . . .	113	99	95	91	87	123	108	104	99	94	123	108	104	99	95
November 2027. . . .	120	96	89	82	75	137	109	101	93	86	137	109	101	93	86
November 2028. . . .	128	91	81	72	63	152	109	97	86	76	150	108	96	85	75
November 2029. . . .	136	86	73	62	52	167	106	90	76	64	167	106	90	76	64
November 2030. . . .	145	80	64	52	41	175	97	78	63	50	175	97	78	63	50
November 2031. . . .	153	73	56	42	32	119	60	47	37	28	118	60	47	37	28
November 2032. . . .	153	62	45	32	23	7	2	2	1	1	7	2	2	1	1
November 2033. . . .	156	54	37	25	16	6	2	1	1	1	6	2	1	1	1
November 2034. . . .	138	40	26	16	10	4	1	1	0	0	4	1	1	0	0
November 2035. . . .	118	30	18	10	6	3	1	0	0	0	3	1	0	0	0
November 2036. . . .	112	23	13	7	4	4	1	0	0	0	4	1	0	0	0
November 2037. . . .	24	4	2	1	0	1	0	0	0	0	1	0	0	0	0
November 2038. . . .	5	1	0	0	0	1	0	0	0	0	1	0	0	0	0
November 2039. . . .	4	0	0	0	0	1	0	0	0	0	1	0	0	0	0
November 2040. . . .	4	0	0	0	0	1	0	0	0	0	1	0	0	0	0
November 2041. . . .	4	0	0	0	0	1	0	0	0	0	1	0	0	0	0
November 2042. . . .	3	0	0	0	0	1	0	0	0	0	1	0	0	0	0
November 2043. . . .	3	0	0	0	0	1	0	0	0	0	1	0	0	0	0
November 2044. . . .	1	0	0	0	0	1	0	0	0	0	1	0	0	0	0
November 2045. . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2046. . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2047. . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2048. . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2049. . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2050. . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2051. . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2052. . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2053. . . .	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2054. . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2055. . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2056. . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2057. . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2058. . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2059. . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2060. . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2061 and thereafter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years). . . .	12.0	8.8	7.5	6.4	5.6	7.5	7.1	6.6	6.1	5.5	7.5	7.1	6.6	6.1	5.5

* The decrement tables for Class KI reflect only the Class KI Notional Balance at various rates of PPC and at various levels of 30-day Average SOFR and One-Year CMT. In addition to the current interest accrual amount on the Class KI Notional Balance at the Class KI Interest Rate, Class KI is entitled to the Class KI Deferred Interest Amount. No representation is made about the timing of distributions of the Class KI Deferred Interest Amount other than that such amount will be paid no later than the Final Distribution Date for Class KI.

**Security Groups 10, 13 and 18
PPC Prepayment Assumption Rates**

Distribution Date	Class IK* 4.81000% 30-day Average SOFR 4.31000% One-Year CMT					Class IK* 10.80000% 30-day Average SOFR 9.83500% One-Year CMT					Class IK* 16.79000% 30-day Average SOFR 15.36000% 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
November 2025. . . .	106	102	100	98	97	111	106	104	103	101	111	106	104	103	101
November 2026. . . .	113	100	96	92	88	124	110	105	101	97	124	110	105	101	97
November 2027. . . .	120	97	90	83	77	139	112	103	96	88	139	112	104	96	88
November 2028. . . .	128	92	82	73	65	155	112	100	89	79	155	112	100	89	79
November 2029. . . .	136	87	74	63	53	173	110	94	80	68	173	111	94	80	68
November 2030. . . .	145	81	66	53	43	193	108	88	71	57	192	107	87	70	56
November 2031. . . .	154	74	57	44	33	126	65	51	40	31	125	64	51	40	31
November 2032. . . .	164	67	49	35	25	7	3	2	1	1	7	3	2	1	1
November 2033. . . .	174	60	41	27	18	7	2	1	1	1	7	2	1	1	1
November 2034. . . .	174	51	32	20	12	6	2	1	1	0	6	2	1	1	0
November 2035. . . .	163	40	24	14	8	1	0	0	0	0	1	0	0	0	0
November 2036. . . .	120	25	14	8	4	1	0	0	0	0	1	0	0	0	0
November 2037. . . .	17	3	1	1	0	0	0	0	0	0	0	0	0	0	0
November 2038. . . .	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2039. . . .	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2040. . . .	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2041. . . .	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2042. . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2043. . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2044. . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2045. . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2046. . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2047. . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2048. . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2049. . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2050. . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2051. . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2052. . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2053. . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2054. . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2055. . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2056. . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2057. . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2058. . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2059. . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2060. . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November 2061 and thereafter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years). . . .	12.2	9.2	7.8	6.6	5.7	7.4	7.2	6.8	6.2	5.7	7.4	7.2	6.8	6.2	5.7

* The decrement tables for Class IK reflect only the Class IK Notional Balance at various rates of PPC and at various levels of 30-day Average SOFR and One-Year CMT. In addition to the current interest accrual amount on the Class IK Notional Balance at the Class IK Interest Rate, Class IK is entitled to the Class IK Deferred Interest Amount. No representation is made about the timing of distributions of the Class IK Deferred Interest Amount other than that such amount will be paid no later than the Final Distribution Date for Class IK.

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 1, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17 and 18 Securities, the investor's own projection of 30-day Average SOFR and One-Year CMT under a variety of scenarios,
- in the case of the Group 2 Securities, the investor's own projection of One-Year Adjusted CME Term SOFR under a variety of scenarios and
- in the case of the Group 2 and 3 Securities, the investor's own projection of the rate of reduction and increase in principal or notional balance and deferred interest amounts 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-Year Adjusted CME Term SOFR levels, 30-day Average SOFR levels, One-Year CMT levels, draw activity with respect to the HECMs, Underlying Certificate rates of reduction or increase in principal or notional balance and deferred interest amount 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.
- Investors in Class B should consider that differing rates of reduction in the related REMIC Securities may ultimately cause such Class to be exchanged for the related REMIC Securities (consisting primarily or exclusively of an Interest Only Class). In certain instances, Class B will become an Interest Only Class over time prior to such exchange.

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-Year CMT and 30-day Average SOFR: Effect on Yields of the Floating Rate Classes

Low levels of One-Year CMT or 30-day Average SOFR 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-Year CMT or 30-day Average SOFR because the rate on such Classes is capped at a maximum rate described under "Terms Sheet — Interest Rates." See "Risk Factors — The levels of any interest rate indices applicable to the Trust Assets or securities will affect payments and yields on the securities" in this Supplement.

Payment Delay: Effect on Yields of the Delay Classes

The effective yield on any 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 AI, BI, DI, EI, GI, HI, IA, IB, IC, ID, IE, IG, IH, IJ, IK, IL, IM, IN, IO, IP, JI, KI, LI, MI, NI and PI, at various constant levels of One-Year CMT and 30-day Average SOFR and, in the case of Class CI, at various constant levels of One-Year Adjusted CME Term SOFR.

The HECMs will not prepay or draw at any constant rate until maturity, and it is unlikely that One-Year Adjusted CME Term SOFR, One-Year CMT or 30-day Average 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 and each Group 3 Trust Asset for each Accrual Period following the first Accrual Period will be based on the indicated level of 30-day Average SOFR, (2) the HECM MBS Rates applicable to the Group 1, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17 and 18 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 Subgroup 2A and 2B Trust Assets for each Accrual Period beginning with the Accrual Period related to the Distribution Date in February 2025 will be based on the indicated level of One-Year Adjusted CME Term SOFR, (4) the Interest Rate applicable to the Subgroup 2C Trust Asset for each Accrual Period beginning with the Accrual Period related to the Distribution Date in November 2025 will be based on the indicated level of One-Year Adjusted CME Term SOFR, (5) the Interest Rate applicable to the Subgroup 2D Trust Asset for each Accrual Period beginning with the Accrual Period related to the Distribution Date in September 2025 will be based on the indicated level of One-Year Adjusted CME Term SOFR, (6) the Interest Rate applicable to the Subgroup 2E Trust Asset for each Accrual Period beginning with the Accrual Period related to the Distribution Date in October 2025 will be based on the indicated level of One-Year Adjusted CME Term SOFR, (7) the HECM MBS Rates applicable to the HECMs underlying the Group 2 Trust Assets 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 Adjusted CME Term SOFR, (8) the HECM MBS Rates applicable to the HECMs underlying the Group 3 Trust Assets 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 CMT and (9) 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 6.75000%*
4.31000% One-Year CMT

<u>30-day Average SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
4.81000%	(7.5)%	(11.7)%	(16.0)%	(20.4)%

Sensitivity of Class AI to Prepayments
Assumed Price 6.75000%*
9.83500% One-Year CMT

<u>30-day Average SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
10.80000%	(38.1)%	(44.2)%	(48.5)%	(52.5)%

Sensitivity of Class AI to Prepayments
Assumed Price 6.75000%*
15.36000% One-Year CMT

<u>30-day Average SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
16.79000%	(38.1)%	(44.3)%	(48.7)%	(52.6)%

* 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 1
Sensitivity of Class IA to Prepayments
Assumed Price 7.75000%*
4.31000% One-Year CMT

<u>30-day Average SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
4.81000%	(9.6)%	(13.5)%	(17.3)%	(21.1)%

Sensitivity of Class IA to Prepayments
Assumed Price 7.75000%*
9.83500% One-Year CMT

<u>30-day Average SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
10.80000%	(46.3)%	(51.2)%	(55.0)%	(58.4)%

Sensitivity of Class IA to Prepayments
Assumed Price 7.75000%*
15.36000% One-Year CMT

<u>30-day Average SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
16.79000%	(51.2)%	(55.9)%	(59.6)%	(62.9)%

* 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 1
Sensitivity of Class IO to Prepayments
Assumed Price 7.50000%*
4.31000% One-Year CMT

<u>30-day Average SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
4.81000%	(9.2)%	(13.1)%	(17.0)%	(20.9)%

Sensitivity of Class IO to Prepayments
Assumed Price 7.50000%*
9.83500% One-Year CMT

<u>30-day Average SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
10.80000%.	(44.0)%	(49.4)%	(53.4)%	(57.0)%

Sensitivity of Class IO to Prepayments
Assumed Price 7.50000%*
15.36000% One-Year CMT

<u>30-day Average SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
16.79000%.	(46.9)%	(52.3)%	(56.5)%	(60.2)%

* 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.

SECURITY GROUP 2
Sensitivity of Class CI to Prepayments
Assumed Price 4.00000%*

<u>One-Year Adjusted CME Term SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
4.32000%	23.0%	16.3%	9.4%	2.2%
5.32000%	20.8%	14.2%	7.3%	0.2%
6.51162%	(1.5)%	(7.9)%	(14.3)%	(20.9)%
7.70325%	(3.1)%	(9.4)%	(15.9)%	(22.5)%
8.89487%	(3.1)%	(9.4)%	(15.9)%	(22.5)%

* 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 3
Sensitivity of Class BI to Prepayments
Assumed Price 0.50000%*
4.31000% One-Year CMT

<u>30-day Average SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
4.81000%	12.2%	8.0%	3.8%	(0.5)%

Sensitivity of Class BI to Prepayments
Assumed Price 0.50000%*
9.83500% One-Year CMT

<u>30-day Average SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
10.59750%.	8.6%	4.8%	0.9%	(2.9)%

Sensitivity of Class BI to Prepayments
Assumed Price 0.50000%*
15.36000% One-Year CMT

<u>30-day Average SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
16.38500%.	1.4%	(3.0)%	(6.9)%	(10.8)%

* 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.

SECURITY GROUPS 1 AND 3
Sensitivity of Class IB to Prepayments
Assumed Price 2.25000%*
4.31000% One-Year CMT

<u>30-day Average SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
4.81000%	(4.1)%	(8.3)%	(12.6)%	(16.9)%

Sensitivity of Class IB to Prepayments
Assumed Price 2.25000%*
9.83500% One-Year CMT

<u>30-day Average SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
10.80000%.	(29.2)%	(34.8)%	(38.7)%	(42.4)%

Sensitivity of Class IB to Prepayments
Assumed Price 2.25000%*
15.36000% One-Year CMT

<u>30-day Average SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
16.79000%.	(29.3)%	(35.1)%	(39.1)%	(42.8)%

* 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.

SECURITY GROUP 4
Sensitivity of Class DI to Prepayments
Assumed Price 9.00000%*
4.31000% One-Year CMT

<u>30-day Average SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
4.81000%	(6.8)%	(10.4)%	(13.9)%	(17.5)%

Sensitivity of Class DI to Prepayments
Assumed Price 9.00000%*
9.83500% One-Year CMT

<u>30-day Average SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
10.80000%.	(70.5)%	(72.7)%	(75.0)%	(77.3)%

Sensitivity of Class DI to Prepayments
Assumed Price 9.00000%*
15.36000% One-Year CMT

<u>30-day Average SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
16.79000%.	(70.5)%	(72.7)%	(75.0)%	(77.3)%

* 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 EI to Prepayments
Assumed Price 9.00000%*
4.31000% One-Year CMT

<u>30-day Average SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
4.81000%	(4.4)%	(7.9)%	(11.4)%	(14.9)%

Sensitivity of Class EI to Prepayments
Assumed Price 9.00000%*
9.83500% One-Year CMT

<u>30-day Average SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
10.80000%.	(65.4)%	(67.6)%	(69.9)%	(72.3)%

Sensitivity of Class EI to Prepayments
Assumed Price 9.00000%*
15.36000% One-Year CMT

<u>30-day Average SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
16.79000%.	(65.4)%	(67.6)%	(69.9)%	(72.3)%

* 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 6
Sensitivity of Class IE to Prepayments
Assumed Price 3.00000%*
4.31000% One-Year CMT

<u>30-day Average SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
4.81000%	(15.8)%	(20.5)%	(25.2)%	(29.9)%

Sensitivity of Class IE to Prepayments
Assumed Price 3.00000%*
9.83500% One-Year CMT

<u>30-day Average SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
10.80000%.	(38.2)%	(41.5)%	(58.3)%	(58.4)%

Sensitivity of Class IE to Prepayments
Assumed Price 3.00000%*
15.36000% One-Year CMT

<u>30-day Average SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
16.79000%.	(45.4)%	(45.6)%	(58.2)%	(58.4)%

* 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 7
Sensitivity of Class GI to Prepayments
Assumed Price 6.00000%*
4.31000% One-Year CMT

<u>30-day Average SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
4.81000%	(11.0)%	(14.7)%	(18.5)%	(22.4)%

Sensitivity of Class GI to Prepayments
Assumed Price 6.00000%*
9.83500% One-Year CMT

<u>30-day Average SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
10.80000%	(89.1)%	(89.1)%	(89.1)%	(89.1)%

Sensitivity of Class GI to Prepayments
Assumed Price 6.00000%*
15.36000% One-Year CMT

<u>30-day Average SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
16.79000%	(89.1)%	(89.1)%	(89.1)%	(89.1)%

* 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 GROUPS 6 AND 7
Sensitivity of Class IC to Prepayments
Assumed Price 4.25000%*
4.31000% One-Year CMT

<u>30-day Average SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
4.81000%	(13.3)%	(17.3)%	(21.4)%	(25.5)%

Sensitivity of Class IC to Prepayments
Assumed Price 4.25000%*
9.83500% One-Year CMT

<u>30-day Average SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
10.80000%	(40.5)%	(43.9)%	(61.2)%	(61.4)%

Sensitivity of Class IC to Prepayments
Assumed Price 4.25000%*
15.36000% One-Year CMT

<u>30-day Average SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
16.79000%	(48.0)%	(48.2)%	(61.2)%	(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 GROUP 8
Sensitivity of Class IG to Prepayments
Assumed Price 6.75000%*
4.31000% One-Year CMT

<u>30-day Average SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
4.81000%	(8.2)%	(12.0)%	(15.9)%	(19.9)%

Sensitivity of Class IG to Prepayments
Assumed Price 6.75000%*
9.83500% One-Year CMT

<u>30-day Average SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
10.80000%	(77.9)%	(77.9)%	(77.9)%	(77.9)%

Sensitivity of Class IG to Prepayments
Assumed Price 6.75000%*
15.36000% One-Year CMT

<u>30-day Average SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
16.79000%	(77.9)%	(77.9)%	(77.9)%	(77.9)%

* 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 9
Sensitivity of Class HI to Prepayments
Assumed Price 6.75000%*
4.31000% One-Year CMT

<u>30-day Average SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
4.81000%	(8.4)%	(12.5)%	(16.6)%	(20.8)%

Sensitivity of Class HI to Prepayments
Assumed Price 6.75000%*
9.83500% One-Year CMT

<u>30-day Average SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
10.80000%.	(79.6)%	(79.6)%	(79.6)%	(79.6)%

Sensitivity of Class HI to Prepayments
Assumed Price 6.75000%*
15.36000% One-Year CMT

<u>30-day Average SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
16.79000%.	(79.6)%	(79.6)%	(79.6)%	(79.6)%

* 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 GROUPS 6, 7, 8 AND 9
Sensitivity of Class IP to Prepayments
Assumed Price 6.50000%*
4.31000% One-Year CMT

<u>30-day Average SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
4.81000%	(8.3)%	(12.3)%	(16.2)%	(20.2)%

Sensitivity of Class IP to Prepayments
Assumed Price 6.50000%*
9.83500% One-Year CMT

<u>30-day Average SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
10.80000%	(47.7)%	(51.4)%	(70.4)%	(70.5)%

Sensitivity of Class IP to Prepayments
Assumed Price 6.50000%*
15.36000% One-Year CMT

<u>30-day Average SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
16.79000%	(56.4)%	(56.6)%	(70.3)%	(70.5)%

* 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 8 AND 9
Sensitivity of Class ID to Prepayments
Assumed Price 6.75000%*
4.31000% One-Year CMT

<u>30-day Average SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
4.81000%	(8.2)%	(12.1)%	(16.0)%	(20.0)%

Sensitivity of Class ID to Prepayments
Assumed Price 6.75000%*
9.83500% One-Year CMT

<u>30-day Average SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
10.80000%	(78.2)%	(78.2)%	(78.2)%	(78.2)%

Sensitivity of Class ID to Prepayments
Assumed Price 6.75000%*
15.36000% One-Year CMT

<u>30-day Average SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
16.79000%	(78.2)%	(78.2)%	(78.2)%	(78.2)%

* 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.

SECURITY GROUP 10
Sensitivity of Class IH to Prepayments
Assumed Price 8.00000%*
4.31000% One-Year CMT

<u>30-day Average SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
4.81000%	(5.0)%	(9.1)%	(13.0)%	(16.9)%

Sensitivity of Class IH to Prepayments
Assumed Price 8.00000%*
9.83500% One-Year CMT

<u>30-day Average SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
10.80000%.	(47.6)%	(47.9)%	(54.7)%	(65.0)%

Sensitivity of Class IH to Prepayments
Assumed Price 8.00000%*
15.36000% One-Year CMT

<u>30-day Average SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
16.79000%.	(47.6)%	(47.9)%	(54.7)%	(65.0)%

* 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 11
Sensitivity of Class JI to Prepayments
Assumed Price 8.25000%*
4.31000% One-Year CMT

<u>30-day Average SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
4.81000%	(6.2)%	(10.3)%	(14.5)%	(18.8)%

Sensitivity of Class JI to Prepayments
Assumed Price 8.25000%*
9.83500% One-Year CMT

<u>30-day Average SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
10.80000%	(79.5)%	(82.5)%	(85.4)%	(88.3)%

Sensitivity of Class JI to Prepayments
Assumed Price 8.25000%*
15.36000% One-Year CMT

<u>30-day Average SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
16.79000%	(96.7)%	(96.7)%	(96.7)%	(96.7)%

* 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 12
Sensitivity of Class IJ to Prepayments
Assumed Price 8.00000%*
4.31000% One-Year CMT

<u>30-day Average SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
4.81000%	(6.0)%	(10.0)%	(14.0)%	(18.0)%

Sensitivity of Class IJ to Prepayments
Assumed Price 8.00000%*
9.83500% One-Year CMT

<u>30-day Average SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
10.80000%	(55.8)%	(57.1)%	(59.7)%	(69.6)%

Sensitivity of Class IJ to Prepayments
Assumed Price 8.00000%*
15.36000% One-Year CMT

<u>30-day Average SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
16.79000%	(55.9)%	(57.1)%	(59.7)%	(69.6)%

* 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 13
Sensitivity of Class LI to Prepayments
Assumed Price 8.50000%*
4.31000% One-Year CMT

<u>30-day Average SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
4.81000%	(5.6)%	(9.0)%	(12.4)%	(15.9)%

Sensitivity of Class LI to Prepayments
Assumed Price 8.50000%*
9.83500% One-Year CMT

<u>30-day Average SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
10.80000%.	(61.4)%	(63.3)%	(65.2)%	(67.1)%

Sensitivity of Class LI to Prepayments
Assumed Price 8.50000%*
15.36000% One-Year CMT

<u>30-day Average SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
16.79000%.	(61.5)%	(63.3)%	(65.2)%	(67.1)%

* 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 14
Sensitivity of Class IL to Prepayments
Assumed Price 4.75000%*
4.31000% One-Year CMT

<u>30-day Average SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
4.81000%	(30.5)%	(36.6)%	(42.9)%	(49.6)%

Sensitivity of Class IL to Prepayments
Assumed Price 4.75000%*
9.83500% One-Year CMT

<u>30-day Average SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
10.80000%	(75.4)%	(81.7)%	(95.7)%	**

Sensitivity of Class IL to Prepayments
Assumed Price 4.75000%*
15.36000% One-Year CMT

<u>30-day Average SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
16.79000%	(75.4)%	(81.7)%	(95.7)%	**

* 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.

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

SECURITY GROUP 15
Sensitivity of Class MI to Prepayments
Assumed Price 7.50000%*
4.31000% One-Year CMT

<u>30-day Average SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
4.81000%	(8.2)%	(12.1)%	(16.0)%	(19.8)%

Sensitivity of Class MI to Prepayments
Assumed Price 7.50000%*
9.83500% One-Year CMT

<u>30-day Average SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
10.80000%.	(65.6)%	(71.2)%	(78.6)%	**

Sensitivity of Class MI to Prepayments
Assumed Price 7.50000%*
15.36000% One-Year CMT

<u>30-day Average SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
16.79000%.	(65.6)%	(71.2)%	(78.6)%	**

* 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.

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

SECURITY GROUP 16
Sensitivity of Class IM to Prepayments
Assumed Price 7.75000%*
4.31000% One-Year CMT

<u>30-day Average SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
4.81000%	(4.8)%	(8.3)%	(11.9)%	(15.5)%

Sensitivity of Class IM to Prepayments
Assumed Price 7.75000%*
9.83500% One-Year CMT

<u>30-day Average SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
10.80000%	(62.8)%	(65.7)%	(68.7)%	(71.7)%

Sensitivity of Class IM to Prepayments
Assumed Price 7.75000%*
15.36000% One-Year CMT

<u>30-day Average SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
16.79000%	(62.8)%	(65.7)%	(68.7)%	(71.7)%

* 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 17
Sensitivity of Class NI to Prepayments
Assumed Price 6.50000%*
4.31000% One-Year CMT

<u>30-day Average SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
4.81000%	(11.5)%	(15.4)%	(19.3)%	(23.0)%

Sensitivity of Class NI to Prepayments
Assumed Price 6.50000%*
9.83500% One-Year CMT

<u>30-day Average SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
10.80000%	(71.9)%	(77.2)%	(83.2)%	(89.2)%

Sensitivity of Class NI to Prepayments
Assumed Price 6.50000%*
15.36000% One-Year CMT

<u>30-day Average SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
16.79000%	(71.9)%	(77.2)%	(83.2)%	(89.2)%

* 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.

SECURITY GROUPS 11, 12, 14, 15, 16 AND 17
Sensitivity of Class IN to Prepayments
Assumed Price 7.25000%*
4.31000% One-Year CMT

<u>30-day Average SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
4.81000%	(8.5)%	(12.4)%	(16.3)%	(20.2)%

Sensitivity of Class IN to Prepayments
Assumed Price 7.25000%*
9.83500% One-Year CMT

<u>30-day Average SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
10.80000%	(58.1)%	(59.2)%	(61.9)%	(72.0)%

Sensitivity of Class IN to Prepayments
Assumed Price 7.25000%*
15.36000% One-Year CMT

<u>30-day Average SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
16.79000%	(58.2)%	(59.2)%	(61.9)%	(72.0)%

* 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 18
Sensitivity of Class PI to Prepayments
Assumed Price 8.25000%*
4.31000% One-Year CMT

<u>30-day Average SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
4.81000%	(4.9)%	(9.0)%	(12.9)%	(16.9)%

Sensitivity of Class PI to Prepayments
Assumed Price 8.25000%*
9.83500% One-Year CMT

<u>30-day Average SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
10.80000%	(70.4)%	(82.3)%	**	**

Sensitivity of Class PI to Prepayments
Assumed Price 8.25000%*
15.36000% One-Year CMT

<u>30-day Average SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
16.79000%	(70.4)%	(82.3)%	**	**

* 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.

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

SECURITY GROUPS 10, 11, 12, 13, 14, 15, 16, 17 AND 18
Sensitivity of Class KI to Prepayments
Assumed Price 7.50000%*
4.31000% One-Year CMT

<u>30-day Average SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
4.81000%	(7.8)%	(11.7)%	(15.6)%	(19.5)%

Sensitivity of Class KI to Prepayments
Assumed Price 7.50000%*
9.83500% One-Year CMT

<u>30-day Average SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
10.80000%	(53.3)%	(53.7)%	(59.5)%	(69.2)%

Sensitivity of Class KI to Prepayments
Assumed Price 7.50000%*
15.36000% One-Year CMT

<u>30-day Average SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
16.79000%	(53.3)%	(53.7)%	(59.5)%	(69.2)%

* 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.

SECURITY GROUPS 10, 13 AND 18
Sensitivity of Class IK to Prepayments
Assumed Price 8.25000%*
4.31000% One-Year CMT

<u>30-day Average SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
4.81000%	(5.2)%	(9.1)%	(12.9)%	(16.7)%

Sensitivity of Class IK to Prepayments
Assumed Price 8.25000%*
9.83500% One-Year CMT

<u>30-day Average SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
10.80000%	(49.7)%	(50.0)%	(56.8)%	(66.9)%

Sensitivity of Class IK to Prepayments
Assumed Price 8.25000%*
15.36000% One-Year CMT

<u>30-day Average SOFR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
16.79000%	(49.7)%	(50.0)%	(56.8)%	(66.9)%

* 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 Trust Assets, a Double REMIC Series as to the Group 3 Trust Assets and a Double REMIC Series as to the Group 4 through 18 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 Issuing REMIC, the Group 2 Pooling REMIC, the Group 3 Issuing REMIC, the Group 3 Pooling REMIC, the Group 4 through 18 Issuing REMIC and the Group 4 through 18 Pooling REMIC.

Regular Securities

The Regular Securities will be treated as debt instruments issued by the Group 1 Issuing REMIC, the Group 2 Issuing REMIC, the Group 3 Issuing REMIC or the Group 4 through 18 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-Year Adjusted CME Term SOFR, 30-day Average 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

Each Class of Residual Securities will represent the beneficial ownership of the Residual Interest in the related Trust REMICs, as shown below:

Residual Securities	Trust REMIC
Class RR Securities	Group 4 through 18 Pooling REMIC and Group 4 through 18 Issuing REMIC
Class RR1 Securities	Group 1 Pooling REMIC and Group 1 Issuing REMIC
Class RR2 Securities	Group 2 Pooling REMIC and Group 2 Issuing REMIC
Class RR3 Securities	Group 3 Pooling REMIC and Group 3 Issuing REMIC

The Residual 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 United States 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) November 1, 2024 on the Delay Classes and (2) November 20, 2024 on the Floating Rate Classes and Classes B, IH, IJ, IK, IL, IM, IN, JI, KI, LI, MI, NI and PI. 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 (1) the Original Class Principal Balance (or original Class or Component Notional Balance) and (2) the Original Component Principal Balance of each Component of each related Class of each Class or Component receiving principal distributions or interest distributions based upon a notional balance from the same Trust Asset Group or Subgroup 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 Faegre Drinker Biddle & Reath LLP.

Available Combinations(1)

REMIC Securities			MX Securities					
Class	Original Class Principal Balance or Class Notional Balance	Related MX Class	Maximum Original Class Principal Balance or Class Notional Balance(2)	Principal Type(3)	Interest Rate	Interest Type(3)	CUSIP Number	Final Distribution Date(4)
Security Groups 1								
Combination 1								
AI	\$ 32,746,570	IO	\$178,360,175	NTL(CPT/HPT)	(5)	HWAC/IO/DLY	38383K3Q3	November 2074
IA	145,613,605							
Security Groups 1 and 3								
Combination 2(6)								
BF	\$ 15,009,415	DF	\$113,717,285	SC/HPT	(5)	FLT/HWAC/HZ	38383K3R1	October 2074
FA	27,342,182							
FB	47,823,561							
FC	23,542,127							
Combination 3(6)								
AI	\$ 32,746,570	IB	\$119,121,673	NTL(SC/CPT/HPT)	(5)	HWAC/IO/DLY	38383K3S9	October 2074
BI	86,375,103							
Security Group 4								
Combination 4								
DI	\$ 7,777,777	A	\$ 7,000,000(7)	HPT	(5)	HWAC/HZ/DLY	38383K3T7	November 2074
FD	7,000,000							
Security Groups 6 and 7								
Combination 5(6)								
GI	\$ 1,917,030	IC	\$ 4,863,186	NTL(HPT)	(5)	HWAC/IO/DLY	38383K3U4	November 2074
IE	2,946,156							
Security Groups 7 and 8								
Combination 6(6)								
FG	\$ 1,917,030	FQ	\$ 43,216,175	HPT	(5)	FLT/HWAC/HZ	38383K3V2	November 2074
GF	41,299,145							

REMIC Securities		MX Securities						
Class	Original Class Principal Balance or Class Notional Balance	Related MX Class	Maximum Original Class Principal Balance or Notional Balance(2)	Principal Type(3)	Interest Rate	Interest Type(3)	CUSIP Number	Final Distribution Date(4)
Security Groups 6, 7, 8 and 9								
Combination 7(6)								
GI	\$ 1,917,030	IP	\$ 56,162,331	NTL(HPT)	(5)	HWAC/IO/DLY	38383K3W0	November 2074
HI	10,000,000							
IE	2,946,156							
IG	41,299,145							
Security Groups 8 and 9								
Combination 8(6)								
HI	\$10,000,000	ID	\$ 51,299,145	NTL(HPT)	(5)	HWAC/IO/DLY	38383K3X8	November 2074
IG	41,299,145							
Security Groups 11 and 16								
Combination 9(6)								
JJ	\$ 9,600,000	B(8)	\$ 7,000,000(9)	HPT	(5)	HWAC/HZ	38383K3Y6	November 2074
MF	7,000,000							
Security Groups 11, 12, 14, 15, 16 and 17								
Combination 10(6)								
IJ	\$51,025,545	IN	\$146,444,472	NTL(HPT)	(5)	HWAC/IO	38383K3Z3	November 2074
IL	5,000,000							
IM	7,000,000							
JJ	6,418,927							
MI	22,000,000							
NI	55,000,000							

REMIC Securities			MX Securities					
Class	Original Class Principal Balance or Class Notional Balance	Related MX Class	Maximum Original Class Principal Balance or Class Notional Balance(2)	Principal Type(3)	Interest Rate	Interest Type(3)	CUSIP Number	Final Distribution Date(4)
Security Groups 10, 11, 12, 13, 14, 15, 16, 17 and 18								
Combination 11(6)								
IH	\$14,985,289	KI	\$182,429,761	NTL(HPT)	(5)	HWAC/IO	38383K4A7	November 2074
IJ	51,025,545							
IL	5,000,000							
IM	7,000,000							
JI	6,418,927							
LI	10,000,000							
MI	22,000,000							
NI	55,000,000							
PI	11,000,000							
Security Groups 10, 13 and 18								
Combination 12(6)								
IH	\$14,985,289	IK	\$ 35,985,289	NTL(HPT)	(5)	HWAC/IO	38383K4B5	November 2074
LI	10,000,000							
PI	11,000,000							

(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 A will increase or decrease, as applicable, with 100% of the sum of (a) 90.000009000000% of the Class FD Principal Balance and (b) 100% of the Class DI Deferred Interest Amount.

- (8) In the event that the Interest Rate of this MX Class will equal or exceed 1,200% per annum for any Accrual Period, the Trustee will, prior to the close of business on the last Business Day of the calendar month immediately preceding the related Distribution Date, effect a mandatory exchange of this MX Class for its related REMIC Securities and, thereafter, no further exchanges of such REMIC Securities will be permitted for the related Combination.
- (9) The Class Principal Balance of Class B will increase or decrease, as applicable, with 100% of the sum of (a) 100% of the Class MF Principal Balance and (b) 59.9291076113% of the Class JI Deferred Interest Amount.

Assumed Characteristics of the HECMs and the Participations Underlying the Group 1 and 4 through 18 Trust Assets(1)

Group Subgroup	Payment Plan	Percentage of Trust Pool in Trust	HECM MBS Balance(2)	HECM Loan Balance	Approximate Weighted Average (in month(s))	HECM Type	Index	Rate Reset Frequency(4)	Approximate Weighted Average Rate (Month(5))	Approximate Weighted Average Rate Margin(6)	Approximate Weighted Average Rate (FEI(7))	Approximate Weighted Average Rate Margin(11)	Monthly Servicing Fee(12)	Initial Monthly Draw(13)	Subsequent Monthly Draw(14)	Approximate Weighted Average Remaining Term (in month(15))	Initial Available Credit(16)	Available Credit(17)	Maximum Amount(18)	Pool Number	HECM MBS Date
IA	Line of Credit	100%	\$19,192,404.32	\$ 19,268,431.05	3	FLI	1-year CMT	Monthly	1	6.158%	2.859%	0.900%	0.360%	(2)	\$ 10,292,007.19	0.00	\$ 68,813,864.00	DB444	DB444	October 2024	
IA	Modified Term	100%	671,311.27	671,311.27	2	FLI	1-year CMT	Monthly	1	5.913%	2.251%	0.900%	0.360%	(2)	\$ 2,750,000.00	2,750,000.00	74	150,553.62	1,926,000.00	DB444	October 2024
IA	Tenure	100%	82,504.18	82,504.18	3	FLI	1-year CMT	Monthly	1	5.913%	2.251%	0.900%	0.360%	(2)	397.12	397.12	(20)	0.00	343,000.00	DB444	October 2024
IA	Tenure	100%	158,258.32	160,386.70	3	FLI	1-year CMT	Monthly	1	6.415%	2.500%	0.900%	0.360%	(2)	2,003.42	2,003.42	2.26	0.00	1,149,825.00	DB444	October 2024
IA	Line of Credit	16.89503474%	18,904,824.42	18,958,809.23	2	FLI	1-year CMT	Monthly	1	6.073%	2.159%	0.900%	0.360%	(2)	5,215,292.66	5,215,292.66	0.00	0.00	53,925,700.00	DB458	October 2024
IA	Tenure	16.89503474%	481,993.89	481,993.89	3	FLI	1-year CMT	Monthly	1	5.898%	2.010%	0.900%	0.360%	(2)	2,989.33	2,989.33	(20)	0.00	1,982,825.00	DB458	October 2024
IA	Tenure	16.89503474%	665,888.61	666,362.95	3	FLI	1-year CMT	Monthly	1	6.060%	2.125%	0.900%	0.360%	(2)	6,071.16	6,071.16	4.2	0.00	2,028,325.00	DB458	October 2024
IA	Modified Tenure	16.89503474%	25,719.96	41,720.18	3	FLI	1-year CMT	Monthly	1	6.091%	2.796%	0.900%	0.360%	(2)	500.00	500.00	(20)	0.00	497,500.00	DB458	October 2024
IA	Line of Credit	100%	19,390,334.75	19,390,335.02	1	FLI	1-year CMT	Monthly	1	6.163%	2.406%	0.900%	0.360%	(2)	2,793,397.64	11,050,085.70	68,509,300.00	DB459	November 2024		
IA	Modified Term	100%	415,786.39	415,786.39	2	FLI	1-year CMT	Monthly	1	6.093%	2.178%	0.900%	0.360%	(2)	21,200.00	21,200.00	(9)	161,976.59	171,774.69	DB459	November 2024
IA	Tenure	100%	16,754.23	16,754.23	0	FLI	1-year CMT	Monthly	1	6.165%	2.128%	0.900%	0.360%	(2)	1,500.32	1,500.32	1.26	0.00	3,303,000.00	DB459	November 2024
IA	Modified Tenure	100%	181,740.13	181,740.13	1	FLI	1-year CMT	Monthly	1	5.784%	1.869%	0.900%	0.360%	(2)	3,500.00	3,500.00	(20)	219,804.31	1,251,000.00	DB459	November 2024
IA	Line of Credit	63.070170849%	30,522,917.21	30,615,886.81	2	FLI	1-year CMT	Monthly	1	6.092%	2.166%	0.900%	0.360%	(2)	5,310,906.15	16,655,054.07	108,662,349.00	DB452	October 2024		
IA	Modified Term	63.070170849%	385,314.05	385,314.05	2	FLI	1-year CMT	Monthly	1	6.599%	2.658%	0.900%	0.360%	(2)	6,650.00	6,650.00	(10)	95,495.26	2,372,000.00	DB452	October 2024
IA	Tenure	63.070170849%	44,401.15	44,401.15	2	FLI	1-year CMT	Monthly	1	6.518%	2.616%	0.900%	0.360%	(2)	3,855.04	3,855.04	(20)	0.00	641,000.00	DB452	October 2024
IA	Tenure	63.070170849%	32,351.11	32,351.11	2	FLI	1-year CMT	Monthly	1	6.502%	2.900%	0.900%	0.360%	(2)	1,303.04	1,303.04	199	0.00	457,000.00	DB452	October 2024
IA	Modified Tenure	63.070170849%	837,167.83	837,762.87	2	FLI	1-year CMT	Monthly	1	6.579%	2.457%	0.900%	0.360%	(2)	19,145.89	19,145.89	(20)	784,526.79	963,361.82	DB452	October 2024
IA	Line of Credit	100%	15,548,541.21	15,144,991.80	7	FLI	1-year CMT	Monthly	1	6.501%	2.415%	0.900%	0.360%	(2)	61,796,296.66	215,994,983.92	1,775,921,485.00	DB424	October 2024		
IA	Modified Term	100%	1,308,705.62	1,308,705.62	7	FLI	1-year CMT	Monthly	1	6.519%	2.570%	0.900%	0.360%	(2)	293,406.05	294,400.03	71	2,497,326.71	56,909,475.00	DB424	October 2024
IA	Tenure	100%	207,568.10	3,153,260.82	6	FLI	1-year CMT	Monthly	1	6.620%	2.676%	0.900%	0.360%	(2)	74,239.91	73,289.91	(20)	0.00	19,925,300.00	DB424	October 2024
IA	Tenure	100%	207,468.18	2,271,869.00	6	FLI	1-year CMT	Monthly	1	6.489%	2.551%	0.900%	0.360%	(2)	67,539.37	67,539.37	72	0.00	11,615,925.00	DB424	October 2024
IA	Modified Tenure	100%	571,025.59	6,465,798.22	7	FLI	1-year CMT	Monthly	1	6.698%	2.672%	0.900%	0.360%	(2)	104,346.99	105,340.99	(20)	4,732,988.41	46,541,875.00	DB424	October 2024
IA	Line of Credit	100%	21,930,388.99	22,179,231.48	3	FLI	1-year CMT	Monthly	1	5.912%	1.996%	0.900%	0.360%	(2)	1,690,379.62	1,690,379.62	56,512,925.00	DB235	September 2024		
IA	Modified Term	100%	191,095.02	191,095.02	6	FLI	1-year CMT	Monthly	1	6.329%	2.379%	0.900%	0.360%	(2)	27,500.00	27,500.00	6	4,870,903.22	4,870,903.22	DB235	September 2024
IA	Tenure	100%	70,272.28	71,274.51	3	FLI	1-year CMT	Monthly	1	6.169%	2.259%	0.900%	0.360%	(2)	447.17	447.17	(20)	181,610.79	895,000.00	DB235	September 2024
IA	Line of Credit	100%	22,213,952.61	22,599,479.36	2	FLI	1-year CMT	Monthly	1	5.970%	2.056%	0.900%	0.360%	(2)	1,575,147.70	5,560,138.08	56,437,350.00	DB265	October 2024		
IA	Tenure	100%	226,341.38	226,341.38	2	FLI	1-year CMT	Monthly	1	6.099%	2.000%	0.900%	0.360%	(2)	406.96	406.96	94	0.00	430,000.00	DB265	October 2024
IA	Line of Credit	100%	3,253,939.46	3,253,899.33	2	FLI	1-year CMT	Monthly	1	5.900%	1.989%	0.900%	0.360%	(2)	37,442.85	189,948.42	6,940,000.00	DB264	October 2024		
IA	Line of Credit	100%	10,016,500.63	10,028,325.75	2	FLI	1-year CMT	Monthly	1	5.677%	1.761%	0.900%	0.360%	(2)	346,551.89	2,881,381.33	27,011,121.00	DB875	October 2024		
IA	Modified Term	100%	4,292.21	4,292.21	2	FLI	1-year CMT	Monthly	1	6.066%	2.290%	0.900%	0.360%	(2)	500.00	500.00	118	8,564.90	181,000.00	DB875	October 2024
IA	Tenure	100%	97,990.96	98,656.95	2	FLI	1-year CMT	Monthly	1	6.066%	2.500%	0.900%	0.360%	(2)	592.52	592.52	(20)	0.00	418,000.00	DB875	October 2024
IA	Tenure	100%	175,855.32	177,285.53	4	FLI	1-year CMT	Monthly	1	5.911%	1.259%	0.900%	0.360%	(2)	1,316.20	1,316.20	154	0.00	493,000.00	DB875	October 2024
IB	Line of Credit	100%	5,267,343.15	584,691,264.13	4	FLI	1-year CMT	Monthly	1	6.115%	2.668%	0.900%	0.360%	(2)	66,535,319.35	277,906,231.05	2,010,219,751.00	DC2171	November 2024		
IB	Modified Term	100%	401,767.40	401,767.40	5	FLI	1-year CMT	Monthly	1	6.519%	2.577%	0.900%	0.360%	(2)	305,807.94	305,807.94	73	3,375,300.23	5,016,844.48	DC2171	November 2024
IB	Tenure	100%	85,025.68	3,321,112.79	4	FLI	1-year CMT	Monthly	1	6.442%	2.509%	0.900%	0.360%	(2)	79,287.53	79,287.53	(20)	0.00	21,599,300.00	DC382	August 2022
IB	Tenure	100%	78,881.60	2,491,499.26	4	FLI	1-year CMT	Monthly	1	6.368%	2.499%	0.900%	0.360%	(2)	75,928.67	75,928.67	72	5,803,007.05	13,162,825.00	DC2171	November 2024
IB	Modified Term	100%	262,614.61	7,952,945.72	4	FLI	1-year CMT	Monthly	1	6.414%	2.179%	0.900%	0.360%	(2)	130,619.27	130,619.27	(20)	0.00	56,414,700.00	DC2171	November 2024
IC	Line of Credit	12.5153682409%	38,533,899.87	45,965,431.84	28	FLI	1-year CMT	Monthly	1	6.178%	2.249%	0.900%	0.360%	(2)	6,550.00	6,550.00	59	426,067.12	92,440,800.00	CO382	August 2022
IC	Modified Term	12.5153682409%	671,668.69	671,668.69	28	FLI	1-year CMT	Monthly	1	6.194%	2.286%	0.900%	0.360%	(2)	6,550.00	6,550.00	(20)	0.00	217,000.00	CO382	August 2022
IC	Tenure	12.5153682409%	325,449.40	556,694.61	28	FLI	1-year CMT	Monthly	1	5.838%	1.848%	0.900%	0.360%	(2)	916.46	916.46	(20)	0.00	845,000.00	CO382	August 2022
IC	Modified Tenure	12.5153682409%	111,526.77	283,040.75	28	FLI	1-year CMT	Monthly	1	6.510%	2.550%	0.900%	0.360%	(2)	1,150.38	1,150.38	(20)	0.00	2,159,300.00	CO382	August 2022
ID	Line of Credit	51.0823805704%	9,930,645.40	10,038,178.29	37	FLI	1-year CMT	Monthly	1	5.899%	1.989%	0.900%	0.360%	(2)	5,000.00	5,000.00	72	997,006.12	15,658,875.00	CB388	November 2021
ID	Modified Term	51.0823805704%	545,184.75	545,184.75	38	FLI	1-year CMT	Monthly	1	6.465%	2.550%	0.900%	0.360%	(2)	5,000.00	5,000.00	(20)	0.00	1,395,000.00	CB388	November 2021
ID	Line of Credit	100%	3,251,301.36	12,773,709.31	16	FLI	1-year CMT	Monthly	1	6.665%	2.799%	0.900%	0.360%	(2)	1,200.00	1,200.00	35	17,966.40	465,000.00	DC906	September 2024
ID	Modified Term	100%	221.05	222.05	15	FLI	1-year CMT	Monthly	1	6.665%	1.750%	0.900%	0.360%	(2)	500.00	500.00	60	0.00	320,000.00	DC906	September 2024
ID	Tenure	100%	1,288.10	191,751.21	15	FLI	1-year CMT	Monthly	1	6.200%	2.300%	0.900%	0.360%	(2)	500.00	500.00	(20)	0.00	580,000.00	DC906	September 2024
ID	Line of Credit	100%	1,786,774.62	340,121,262.65	18	FLI	1-year CMT	Monthly	1	6.600%	2.101%	0.900%	0.360%	(2)	81,989.76	81,989.76	35	229,946,561.14	811,033,950.00	DC908	October 2024
ID	Modified Term	100%	151,878.73	151,878.73	21	FLI	1-year CMT	Monthly	1	5.963%	2.032%	0.900%	0.360%	(2)	61,122.66	65,347.71	35	2,946,356.14	21,280,950.00	DC908	October 2024

Group Subgroup	Payment Plan	Percentage of Foot in Trust	HECM MBS Balance(C)	HECM Loan Balance	Approximate Weighted Average (in month)(S)	HECM Type	Index	Rate, Post Frequency(C)	Approximate Weighted Average Rate(%)	Approximate Weighted Average Rate(Margin)(1)	Approximate Weighted Average Rate(FCI)(2)	Approximate Weighted Average Rate(FCI)(3)	Approximate Weighted Average Rate(FCI)(4)	Monthly Servicing Fee(C2)	Monthly Fee(C2)	Initial Monthly Draw(D)	Subsequent Monthly Draw(D)	Approximate Weighted Average Remaining Draw (month)(15)	Initial Available Credit(O)	Available Credit(O)	Maximum Amount(O)	PEL Number	HECM MBS Date
6	Line of Credit	100%	\$ 224,880,031	\$ 148,615,889.18	205	HEC	Monthly	1	5.826%	1.372%	14.838%	0.500%	0.500%	\$23,780.00	493.00	6,095.72	6,095.72	6	(\$ 62,171,343.88)	\$ 191,763,614.00	\$ 191,763,614.00	CK725	February 2022
6	Modified Term	100%	5,719.49	2,428,991.60	204	HEC	1-year CMT	Monthly	1	5.326%	1.422%	14.808%	0.500%	0.500%	49.50	6,095.72	6,095.72	6	(\$ 1,701,393.11)	\$ 3,700,225.00	\$ 3,700,225.00	CK725	February 2022
6	Term	100%	9,521.29	2,428,991.60	204	HEC	1-year CMT	Monthly	1	5.206%	1.299%	14.326%	0.500%	0.500%	285.00	6,375.88	6,375.88	6	0.00	0.00	2,588,050.00	CK725	February 2022
6	Term	100%	11,767.00	3,855,951.80	190	HEC	1-year CMT	Monthly	1	5.910%	2.000%	14.406%	0.500%	0.500%	35.00	7,600.00	7,600.00	170	0.00	0.00	415,000.00	CK725	February 2022
6	Modified Term	100%	19,417.29	6,010,513.57	205	HEC	1-year CMT	Monthly	1	5.470%	1.367%	15.128%	0.500%	0.500%	920.00	11,944.63	11,944.63	(2)	2,288,525.40	7,955,405.00	7,955,405.00	CK725	February 2022
6	Line of Credit	100%	3,455,908.2	209,941,124.17	207	HEC	1-year CMT	Monthly	1	5.440%	1.576%	14.998%	0.500%	0.500%	33,252.00	9,971.77	9,971.77	5	(\$ 107,904,483.94)	277,929,977.00	277,929,977.00	CK091	February 2022
6	Modified Term	100%	7,877.94	7,877.94	207	HEC	1-year CMT	Monthly	1	5.134%	1.224%	15.017%	0.500%	0.500%	425.00	9,971.77	9,971.77	3	(\$ 689,674.47)	3,756,660.00	3,756,660.00	CK091	February 2022
6	Term	100%	21,701.69	5,859,221.98	202	HEC	1-year CMT	Monthly	1	5.240%	1.359%	15.812%	0.500%	0.500%	60.00	15,332.04	15,332.04	(2)	0.00	0.00	5,620,280.00	CK091	February 2022
6	Modified Term	100%	33,059.20	10,411,575.06	210	HEC	1-year CMT	Monthly	1	5.201%	1.291%	14.938%	0.500%	0.500%	1,360.00	20,723.47	20,723.47	(2)	(\$ 4,703,296.73)	12,235,567.00	12,235,567.00	CK091	February 2022
6	Line of Credit	100%	298,485.69	210,395,373.40	209	HEC	1-year CMT	Monthly	1	5.307%	1.397%	14.778%	0.500%	0.500%	33,877.00	9,971.77	9,971.77	2	(\$ 108,306,578.03)	277,979,753.00	277,979,753.00	CK064	March 2022
6	Modified Term	100%	7,387.23	7,387.23	208	HEC	1-year CMT	Monthly	1	5.115%	1.259%	15.098%	0.500%	0.500%	425.00	9,971.77	9,971.77	2	(\$ 689,674.47)	3,756,660.00	3,756,660.00	CK064	March 2022
6	Term	100%	21,698.29	5,859,221.98	202	HEC	1-year CMT	Monthly	1	5.240%	1.359%	15.812%	0.500%	0.500%	60.00	15,332.04	15,332.04	(2)	0.00	0.00	5,620,280.00	CK064	March 2022
6	Modified Term	100%	31,682.34	10,411,575.06	210	HEC	1-year CMT	Monthly	1	5.210%	1.306%	15.812%	0.500%	0.500%	1,360.00	20,723.47	20,723.47	(2)	(\$ 4,703,296.73)	12,235,567.00	12,235,567.00	CK064	March 2022
6	Line of Credit	100%	175,397.80	148,773,501.43	208	HEC	1-year CMT	Monthly	1	5.314%	1.404%	15.240%	0.500%	0.500%	23,758.00	6,095.72	6,095.72	(2)	(\$ 62,738,658.91)	191,903,614.00	191,903,614.00	CK194	March 2022
6	Modified Term	100%	2,903.57	2,428,991.60	206	HEC	1-year CMT	Monthly	1	5.399%	1.429%	14.799%	0.500%	0.500%	49.50	6,095.72	6,095.72	15	(\$ 1,701,393.11)	3,700,225.00	3,700,225.00	CK184	March 2022
6	Term	100%	9,519.92	2,428,991.60	204	HEC	1-year CMT	Monthly	1	5.206%	1.299%	14.326%	0.500%	0.500%	285.00	6,375.88	6,375.88	(2)	0.00	0.00	2,588,050.00	CK184	March 2022
6	Modified Term	100%	11,715.14	3,855,951.80	190	HEC	1-year CMT	Monthly	1	5.916%	2.000%	15.076%	0.500%	0.500%	35.00	7,600.00	7,600.00	170	0.00	0.00	415,000.00	CK184	March 2022
6	Term	100%	11,788.69	3,855,951.80	190	HEC	1-year CMT	Monthly	1	5.910%	2.000%	15.076%	0.500%	0.500%	35.00	7,600.00	7,600.00	170	0.00	0.00	415,000.00	CK184	March 2022
6	Modified Term	100%	22,888.66	6,010,513.57	208	HEC	1-year CMT	Monthly	1	5.297%	1.376%	15.319%	0.500%	0.500%	920.00	11,944.63	11,944.63	(2)	2,288,525.40	7,955,405.00	7,955,405.00	CK184	March 2022
6	Line of Credit	100%	162,929.24	148,773,501.43	207	HEC	1-year CMT	Monthly	1	5.555%	1.416%	15.258%	0.500%	0.500%	23,758.00	6,095.72	6,095.72	(2)	(\$ 62,738,658.91)	191,903,614.00	191,903,614.00	CK295	April 2022
6	Modified Term	100%	574.091	574.091	201	HEC	1-year CMT	Monthly	1	5.226%	1.322%	15.826%	0.500%	0.500%	49.50	6,095.72	6,095.72	6	(\$ 1,701,393.11)	3,700,225.00	3,700,225.00	CK295	April 2022
6	Term	100%	9,515.51	2,428,991.60	204	HEC	1-year CMT	Monthly	1	5.206%	1.299%	14.326%	0.500%	0.500%	285.00	6,375.88	6,375.88	(2)	0.00	0.00	2,588,050.00	CK295	April 2022
6	Modified Term	100%	11,715.14	3,855,951.80	190	HEC	1-year CMT	Monthly	1	5.910%	2.000%	15.076%	0.500%	0.500%	35.00	7,600.00	7,600.00	170	0.00	0.00	415,000.00	CK295	April 2022
6	Line of Credit	100%	41,800.89	6,010,513.57	205	HEC	1-year CMT	Monthly	1	5.166%	1.246%	15.076%	0.500%	0.500%	920.00	11,944.63	11,944.63	(2)	2,288,525.40	7,955,405.00	7,955,405.00	CK295	April 2022
6	Modified Term	100%	362,975.08	214,897,072.62	208	HEC	1-year CMT	Monthly	1	5.291%	1.349%	14.673%	0.500%	0.500%	33,975.00	9,971.77	9,971.77	2	(\$ 110,522,816.31)	283,700,218.00	283,700,218.00	CK362	May 2022
6	Line of Credit	100%	7,881.74	7,881.74	208	HEC	1-year CMT	Monthly	1	5.111%	1.259%	15.106%	0.500%	0.500%	425.00	9,971.77	9,971.77	2	(\$ 689,674.47)	3,756,660.00	3,756,660.00	CK362	May 2022
6	Term	100%	21,671.46	5,859,221.98	202	HEC	1-year CMT	Monthly	1	5.240%	1.359%	15.812%	0.500%	0.500%	60.00	15,332.04	15,332.04	(2)	0.00	0.00	5,620,280.00	CK362	May 2022
6	Modified Term	100%	35,332.69	10,986,803.95	210	HEC	1-year CMT	Monthly	1	5.284%	1.316%	15.088%	0.500%	0.500%	1,425.00	21,873.47	21,873.47	(2)	(\$ 4,871,851.25)	12,961,476.00	12,961,476.00	CK392	May 2022
6	Line of Credit	100%	14,773.79	1,986,803.95	135	HEC	1-year CMT	Monthly	1	5.816%	1.952%	11.607%	0.500%	0.500%	100.00	1,919	1,919	(19)	(\$ 4,871,851.25)	12,961,476.00	12,961,476.00	CK392	May 2022
6	Line of Credit	100%	1,584,604.29	1,584,604.29	40	HEC	Annually	Annually	7	7.079%	2.346%	7.688%	0.500%	0.500%	3.00	40,766.90	40,766.90	(2)	(\$ 4,871,851.25)	267,000,180.00	267,000,180.00	CP128	September 2022
6	Modified Term	100%	103,892.40	103,892.40	39	HEC	1-year CMT	Monthly	7	7.220%	2.424%	7.611%	0.500%	0.500%	(21)	37,592.24	40,766.90	54	(\$ 1,141,878.44)	9,471,500.00	9,471,500.00	CP128	September 2022
6	Term	100%	16,299,334,609.9%	873,980.89	36	HEC	1-year CMT	Annually	3	6.696%	2.939%	7.709%	0.500%	0.500%	(21)	4,884.16	4,884.16	(2)	0.00	0.00	2,439,575.00	CP128	September 2022
6	Term	100%	16,299,334,609.9%	873,980.89	36	HEC	1-year CMT	Annually	4	6.924%	2.529%	7.619%	0.500%	0.500%	(21)	7,378.81	7,378.81	(2)	0.00	0.00	1,780,000.00	CP128	September 2022
6	Modified Term	100%	17,444.94	882,995.10	41	HEC	1-year CMT	Annually	4	6.924%	2.529%	7.619%	0.500%	0.500%	(21)	7,378.81	7,378.81	50	(\$ 1,780,000.00)	1,780,000.00	1,780,000.00	CP128	September 2022
6	Line of Credit	100%	25,399.05	1,335,940.21	41	HEC	1-year CMT	Annually	7	7.089%	2.250%	7.568%	0.500%	0.500%	(21)	7,873.31	8,073.31	(2)	(\$ 607,762.91)	4,732,975.00	4,732,975.00	CP128	September 2022
6	Line of Credit	100%	16,300,177,218.3%	1,335,940.21	28	HEC	1-year CMT	Monthly	1	5.773%	1.872%	7.971%	0.500%	0.500%	(21)	9,750.30	9,750.30	(2)	(\$ 40,281,876.48)	288,738,260.00	288,738,260.00	CP098	November 2022
6	Modified Term	100%	140,792.89	140,792.89	39	HEC	1-year CMT	Monthly	8	6.910%	2.328%	7.488%	0.500%	0.500%	(21)	2,802.50	2,802.50	40	(\$ 1,141,878.44)	9,471,500.00	9,471,500.00	CP098	November 2022
6	Line of Credit	100%	5,619.49	5,619.49	40	HEC	1-year CMT	Monthly	9	7.229%	2.352%	7.540%	0.500%	0.500%	(21)	5,511.40	5,511.40	(2)	0.00	0.00	2,896,375.00	CP098	November 2022
6	Term	100%	11,450.91	924,920.10	36	HEC	1-year CMT	Annually	4	6.752%	2.400%	7.822%	0.500%	0.500%	(21)	7,378.81	7,378.81	50	(\$ 1,780,000.00)	1,780,000.00	1,780,000.00	CP098	November 2022
6	Line of Credit	100%	16,300,177,218.3%	882,995.10	41	HEC	1-year CMT	Annually	4	6.924%	2.529%	7.619%	0.500%	0.500%	(21)	7,378.81	7,378.81	(2)	(\$ 607,762.91)	4,732,975.00	4,732,975.00	CP098	November 2022
6	Modified Term	100%	15,451.70	1,545,277.86	36	HEC	1-year CMT	Annually	8	7.288%	2.801%	8.099%	0.500%	0.500%	(21)	10,573.31	10,573.31	(2)	(\$ 922,740.44)	5,575,975.00	5,575,975.00	CP098	November 2022
6	Line of Credit	100%	247,653.04	6,114,013.16	35	HEC	1-year CMT	Monthly	1	5.773%	1.872%	7.971%	0.500%	0.500%	(21)	9,750.30	9,750.30	(2)	(\$ 775,451.05)	10,735,800.00	10,735,800.00	CK001	August 2023
6	Modified Term	100%	1,157.74	1,157.74	28	HEC	1-year CMT	Monthly	1	6.500%	2.000%	10.406%	0.500%	0.500%	(21)	975.00	975.00	175	(\$ 510,000.00)	510,000.00	510,000.00	CK001</	

Group Subgroup	Payment Plan	Percentage of Annual Food in Plan	HCM MBS Balance(\$)	HCM Fee Balance	Approximate Weighted Average (in months)	HCM Type	Index	Rate	Reset Frequency	Approximate Weighted Average Rate (Month)	Approximate Weighted Average Rate (Year)	Approximate Weighted Average Rate (Life)	Approximate Weighted Average Rate (Life)	Monthly Service Margin	Monthly Fee	Initial Monthly Draw	Subsequent Monthly Draw	Approximate Weighted Remaining Draw	Available Credit	Maximum Amount(\$)	Pay. Number	HCM MBS Date	
7	Modified Tenure	1.21241492%	\$ 225,636.55	\$ 225,636.55	1	1	Monthly	6.100%	2.52%	1.588%	0.500%	0.500%	0.500%	0.500%	(2)	\$ 3,700.00	\$ 3,700.00	(2)	153,248.85	1,410,000.00	D08325	November 2021	
8	Line of Credit	1.500330918%	35,815,600.74	1,485,025,909.89	32	1	Monthly	6.108%	2.249%	1.588%	0.500%	0.500%	0.500%	0.500%	(1)	929,700.45	979,332.34	49	113,750,818.48	2,930,692,527.00	78671721	May 2023	
8	Modified Term	1.500330918%	2,112,579.52	2,112,579.52	31	1	Monthly	6.248%	2.358%	1.911%	0.500%	0.500%	0.500%	0.500%	(2)	73,952.04	74,108.65	40	31,371,701.48	266,643,200.00	78671721	May 2023	
8	Tenure	1.500330918%	11,282,251.03	11,282,251.03	32	1	Monthly	6.248%	2.362%	1.911%	0.500%	0.500%	0.500%	0.500%	(2)	73,952.04	74,108.65	40	\$	34,198,350.00	78671721	May 2023	
8	Tenure	1.500330918%	157,691.95	184,103,862.02	30	1	Monthly	6.191%	2.298%	1.697%	0.500%	0.500%	0.500%	0.500%	(2)	114,352.47	115,253.08	92	0.00	181,024,325.00	78671721	May 2023	
8	Modified Tenure	1.500330918%	934,762.58	57,000,680.13	30	1	Monthly	6.258%	2.363%	1.928%	0.500%	0.500%	0.500%	0.500%	(2)	339,949.46	339,949.46	(2)	26,354,660.19	80,549,463.00	G35551	December 2021	
8	Line of Credit	31.2862993510%	481,260,285.49	7,182,416,168.46	32	1	Monthly	6.220%	2.320%	1.896%	0.500%	0.500%	0.500%	0.500%	(1)	1,104,243.91	1,161,199.66	54	(22)	14,788,866,152.57	15,648,809,058.00	78684021	August 2023
8	Modified Term	31.2862993510%	89,008.67	1,526,779.25	31	1	Monthly	6.273%	2.378%	1.967%	0.500%	0.500%	0.500%	0.500%	(2)	76,881.60	76,881.60	(2)	37,071,256.94	283,111,925.00	78684021	August 2023	
8	Tenure	31.2862993510%	99,898.76	7,225,924.74	32	1	Monthly	6.113%	2.509%	1.407%	0.500%	0.500%	0.500%	0.500%	(2)	88,221.50	88,221.50	88	0.00	29,888,600.00	78684021	August 2023	
8	Modified Tenure	31.2862993510%	73,818,672	53,244,202.75	32	1	Monthly	6.243%	2.356%	1.923%	0.500%	0.500%	0.500%	0.500%	(2)	32,242,76	32,242,76	(2)	25,817,502.30	170,725,750.00	78684021	August 2023	
8	Line of Credit	5.2739133609%	37,611,205.34	44,994,486.26	36	1	Monthly	5.999%	2.080%	1.209%	0.500%	0.500%	0.500%	0.500%	(1)	1,136.52	1,136.52	77	(22)	8,655,288	C0760	November 2021	
8	Modified Term	5.2739133609%	180,155.60	180,155.60	36	1	Monthly	6.500%	2.600%	1.789%	0.500%	0.500%	0.500%	0.500%	(2)	(23)	(23)	(23)	8,603,084.37	80,549,463.00	G35551	December 2021	
8	Tenure	5.2739133609%	73,600.25	92,988.44	36	1	Monthly	6.028%	2.750%	1.938%	0.500%	0.500%	0.500%	0.500%	(2)	444.68	444.68	(2)	6,775.38	99,000.00	C35551	December 2021	
8	Modified Tenure	20.0721072413%	21,828,424.31	171,245.57	36	1	Monthly	5.698%	2.490%	1.249%	0.500%	0.500%	0.500%	0.500%	(2)	200.00	200.00	(2)	545,578.18	822,375.00	G35551	December 2021	
8	Line of Credit	20.0721072413%	41,235,625.55	284,115,215.95	38	1	Monthly	6.578%	1.878%	1.100%	0.500%	0.500%	0.500%	0.500%	(2)	2,125.22	2,125.22	(2)	5,027,683.95	47,376,800.00	C0760	November 2021	
8	Modified Term	20.0721072413%	314,504.38	314,504.38	38	1	Monthly	5.620%	1.710%	1.106%	0.500%	0.500%	0.500%	0.500%	(2)	2,300.00	2,300.00	77	(22)	8,655,288	C0760	November 2021	
8	Tenure	20.0721072413%	220,780.84	272,111.61	37	1	Monthly	5.882%	1.972%	1.070%	0.500%	0.500%	0.500%	0.500%	(2)	1,136.52	1,136.52	(2)	0.00	785,000.00	C0760	November 2021	
8	Line of Credit	9.8889942395%	21,254,260.70	24,940,987.74	36	1	Monthly	5.821%	1.931%	1.070%	0.500%	0.500%	0.500%	0.500%	(2)	(19)	(19)	(19)	3,154,127.46	40,801,621.00	C07144	October 2024	
8	Modified Term	100%	6,710,741.60	6,710,741.60	2	1	Monthly	6.073%	2.188%	1.586%	0.500%	0.500%	0.500%	0.500%	(1)	16,089.08	16,089.08	84	1,608,000.00	271,169,945.00	DC1907	October 2024	
8	Line of Credit	100%	195,861.60	195,861.60	2	1	Monthly	6.093%	2.094%	1.348%	0.500%	0.500%	0.500%	0.500%	(1)	116,830.72	173,384.59	1,688,000.00	1,688,000.00	1,688,000.00	DC1907	October 2024	
8	Tenure	100%	409,855.81	409,855.81	2	1	Monthly	5.705%	1.875%	1.193%	0.500%	0.500%	0.500%	0.500%	(2)	10,515.00	10,515.00	97	13,352,887.95	100,789,237.00	D08325	November 2024	
8	Line of Credit	48.479685701%	10,190,899.87	10,216,938.19	2	1	Monthly	6.066%	1.828%	1.187%	0.500%	0.500%	0.500%	0.500%	(2)	9,200.00	9,200.00	78	90,007.60	4,650,880.39	D08321	October 2024	
8	Modified Term	48.479685701%	94,851.69	94,851.69	2	1	Monthly	6.300%	2.300%	1.588%	0.500%	0.500%	0.500%	0.500%	(2)	9,200.00	9,200.00	78	90,007.60	4,650,880.39	D08321	October 2024	
8	Tenure	48.479685701%	35,263.50	35,263.50	2	1	Monthly	6.350%	2.275%	1.628%	0.500%	0.500%	0.500%	0.500%	(2)	5,234.42	5,234.42	36	0.00	30,000.00	D08321	October 2024	
8	Modified Tenure	48.479685701%	35,971.92	36,000.14	2	1	Monthly	6.712%	2.730%	1.200%	0.500%	0.500%	0.500%	0.500%	(2)	1,603.01	1,603.01	(2)	6,710.74	49,000.00	D08321	October 2024	
8	Line of Credit	11.27072413%	30,639,528.16	30,639,528.16	0	1	Monthly	6.188%	2.159%	1.193%	0.500%	0.500%	0.500%	0.500%	(1)	3,663,497.49	13,352,887.95	100,789,237.00	100,789,237.00	100,789,237.00	D08325	November 2024	
8	Modified Term	11.27072413%	121,252.94	121,252.94	0	1	Monthly	6.499%	2.575%	1.493%	0.500%	0.500%	0.500%	0.500%	(2)	720.44	720.44	(2)	153,248.85	1,410,000.00	D08325	November 2024	
8	Tenure	11.27072413%	84,585.69	84,585.69	0	1	Monthly	6.575%	2.500%	1.500%	0.500%	0.500%	0.500%	0.500%	(2)	2,073.45	2,073.45	123	0.00	510,000.00	D08325	November 2024	
8	Tenure	11.27072413%	25,024.86	25,024.86	0	1	Monthly	6.625%	2.550%	1.620%	0.500%	0.500%	0.500%	0.500%	(2)	3,700.00	3,700.00	(2)	153,248.85	1,410,000.00	D08325	November 2024	
8	Modified Tenure	11.27072413%	223,636.55	223,636.55	1	1	Monthly	6.400%	2.259%	1.567%	0.500%	0.500%	0.500%	0.500%	(2)	10,515.00	10,515.00	97	(22)	14,788,866,152.57	15,648,809,058.00	78684021	August 2023
8	Line of Credit	16.319230825%	481,260,285.49	7,182,416,168.46	32	1	Monthly	6.220%	2.320%	1.896%	0.500%	0.500%	0.500%	0.500%	(1)	1,104,243.91	1,161,199.66	54	(22)	14,788,866,152.57	15,648,809,058.00	78684021	August 2023
9	Modified Term	16.319230825%	1,526,779.25	1,526,779.25	31	1	Monthly	6.273%	2.378%	1.967%	0.500%	0.500%	0.500%	0.500%	(2)	720.44	720.44	(2)	63,810.86	1,658,000.00	D08325	November 2024	
9	Tenure	16.319230825%	84,585.69	84,585.69	0	1	Monthly	6.575%	2.500%	1.500%	0.500%	0.500%	0.500%	0.500%	(2)	2,073.45	2,073.45	123	0.00	510,000.00	D08325	November 2024	
9	Tenure	16.319230825%	89,082.67	89,082.67	31	1	Monthly	6.413%	2.509%	1.407%	0.500%	0.500%	0.500%	0.500%	(2)	76,881.60	76,881.60	(2)	153,248.85	1,410,000.00	D08325	November 2024	
9	Modified Tenure	16.319230825%	223,636.55	223,636.55	1	1	Monthly	6.400%	2.259%	1.567%	0.500%	0.500%	0.500%	0.500%	(2)	10,515.00	10,515.00	97	(22)	14,788,866,152.57	15,648,809,058.00	78684021	August 2023
9	Line of Credit	5.908930170%	14,419,474.80	14,419,474.80	32	1	Monthly	5.862%	1.951%	1.028%	0.500%	0.500%	0.500%	0.500%	(1)	833.14	833.14	32	3,913,478.70	34,102,100.00	D06345	November 2024	
9	Tenure	5.908930170%	424,183.03	424,183.03	0	1	Monthly	5.789%	1.791%	1.079%	0.500%	0.500%	0.500%	0.500%	(2)	8,984.35	8,984.35	24	0.00	1,135,000.00	D06345	November 2024	
9	Modified Tenure	5.908930170%	217,818.07	217,818.07	0	1	Monthly	6.500%	2.500%	1.500%	0.500%	0.500%	0.500%	0.500%	(2)	1,200.00	1,200.00	(2)	69,658.10	895,000.00	D06345	November 2024	
10	Line of Credit	37.416062095%	16,539,944.20	16,539,944.20	2	1	Monthly	6.184%	2.280%	1.599%	0.500%	0.500%	0.500%	0.500%	(1)	2,317,535.68	8,651,340.45	57,795,555.00	57,795,555.00	57,795,555.00	D05723	October 2024	
10	Modified Term	37.416062095%	81,683.38	81,683.38	2	1	Monthly	6.622%	2.610%	1.930%	0.500%	0.500%	0.500%	0.500%	(2)	1,000.00	1,000.00	225	603.95	465,000.00	D05723	October 2024	
10	Tenure	37.416062095%	257,503.84	257,687.53	2	1	Monthly	6.012%	2.250%	1.380%	0.500%	0.500%	0.500%	0.500%	(2)	0.00	0.00	1,120,000.00	1,120,000.00	1,120,000.00	D05723	October 2024	
10	Tenure	37.416062095%	59,616.11	59,616.11	2	1	Monthly	6.807%	2.730%	1.246%	0.500%	0.500%	0.500%	0.500%	(2)	3,570.00	3,570.00	154	0.00	795,000.00	D05723	October 2024	
10	Modified Tenure	37.416062095%	304,754.25	305,981.47	2	1	Monthly	5.978%	2.197%	1.206%	0.500%	0.500%	0.500%	0.500%	(2)	1,004.00	1,004.00	(2)	95,276.22	107,422.85	D05723	October 2024	
10	Line of Credit	0.2489994187%	10,190,899.87	10,216,938.19	2	1	Monthly	6.069%	1.828%	1.187%	0.500%	0.500%	0.500%	0.500%	(1)	1,142,603.60	4,650,880.39	33,718,272.00	4,650,880.39	4,650,880.39	D08321		

Group	Subgroup	Payment Plan	Percentage of Total Fund in Trust	HFCM MIS Balance(\$)	HFCM Fee Balance(\$)	Approximate Weighted Average (in months)	HFCM Type	Index	Rate	Reset Frequency	Approximate Weighted Average Growth Rate	Approximate Weighted Average Margin	Approximate Weighted Average Life	Approximate Weighted Average Fee	Monthly Interest Fee	Initial Monthly Draw	Subsequent Monthly Draw	Approximate Weighted Remaining Draw	Available Credit	Maximum Amount	Roll Number	HFCM MBS Date
15	Line of Credit	Modified Term	0.8886254100%	661,101.56	661,101.56	0	FI	1	6.00%	1.97%	11.96%	0.90%	0.90%	0.90%	29,543.14	5,286.92	2,486,825.00	2,486,825.00	DB857	DB857	November 2021	
15	Line of Credit	Modified Term	7.75796502	7,757,965.02	7,757,965.02	0	FI	1	6.25%	1.92%	11.82%	0.90%	0.90%	0.90%	861,598.65	1,771.59	861,598.65	861,598.65	DB878	DB878	November 2021	
15	Line of Credit	Modified Term	42.1270563476%	356,068.41	356,068.41	0	FI	1	6.25%	2.00%	11.20%	0.90%	0.90%	0.90%	4,970.00	4,970.00	4,970.00	4,970.00	DB878	DB878	November 2021	
15	Line of Credit	Modified Term	42.1270563476%	90,319.57	90,319.57	0	FI	1	6.25%	2.00%	11.20%	0.90%	0.90%	0.90%	239.76	239.76	239.76	239.76	DB878	DB878	November 2021	
15	Line of Credit	Modified Term	1.5568013994%	357,622.356	357,622.356	13	FI	1	6.05%	2.18%	11.87%	0.90%	0.90%	0.90%	68,523.30	68,523.30	68,523.30	68,523.30	DB879	DB879	November 2021	
15	Line of Credit	Modified Term	51.6182315594%	113,423.62	113,423.62	18	FI	1	6.17%	2.32%	12.05%	0.90%	0.90%	0.90%	14,193.45	14,193.45	14,193.45	14,193.45	DB879	DB879	November 2021	
15	Line of Credit	Modified Term	16.7027	2,086,683.95	2,086,683.95	20	FI	1	6.11%	2.24%	12.05%	0.90%	0.90%	0.90%	40,273.41	40,273.41	40,273.41	40,273.41	DB879	DB879	November 2021	
15	Line of Credit	Modified Term	42.281055	2,148,724.45	2,148,724.45	13	FI	1	5.93%	1.75%	11.93%	0.90%	0.90%	0.90%	9,098.74	9,098.74	9,098.74	9,098.74	DB879	DB879	November 2021	
15	Line of Credit	Modified Term	14.35665	11,483,010.02	11,483,010.02	28	FI	1	5.97%	2.09%	12.02%	0.90%	0.90%	0.90%	1,200.00	1,200.00	1,200.00	1,200.00	DB879	DB879	November 2021	
15	Line of Credit	Modified Term	38.658413435%	14,419,474.80	14,419,474.80	0	FI	1	5.98%	1.95%	11.02%	0.90%	0.90%	0.90%	8,984.35	8,984.35	8,984.35	8,984.35	DB845	DB845	November 2021	
15	Line of Credit	Modified Term	38.658413435%	424,488.13	424,488.13	0	FI	1	5.78%	1.79%	10.79%	0.90%	0.90%	0.90%	1,200.00	1,200.00	1,200.00	1,200.00	DB845	DB845	November 2021	
15	Line of Credit	Modified Term	38.658413435%	217,816.07	217,816.07	0	FI	1	6.00%	2.50%	11.50%	0.90%	0.90%	0.90%	47,461.93	47,461.93	47,461.93	47,461.93	DB845	DB845	November 2021	
15	Line of Credit	Modified Term	0.895169991%	12,186,154.52	12,186,154.52	16	FI	1	6.20%	2.34%	11.87%	0.90%	0.90%	0.90%	1,222,281.03	1,222,281.03	1,222,281.03	1,222,281.03	DB289	DB289	November 2021	
15	Line of Credit	Modified Term	0.895169991%	1,402,659.14	1,402,659.14	14	FI	1	6.31%	2.47%	12.02%	0.90%	0.90%	0.90%	2,298.26	2,298.26	2,298.26	2,298.26	DB289	DB289	November 2021	
15	Line of Credit	Modified Term	0.895169991%	262,092.29	262,092.29	12	FI	1	6.31%	2.47%	12.02%	0.90%	0.90%	0.90%	4,000.00	4,000.00	4,000.00	4,000.00	DB289	DB289	November 2021	
15	Line of Credit	Modified Term	0.895169991%	183,186.63	183,186.63	15	FI	1	6.27%	2.82%	11.98%	0.90%	0.90%	0.90%	16,080.48	16,080.48	16,080.48	16,080.48	DB289	DB289	November 2021	
15	Line of Credit	Modified Term	0.895169991%	770,880.42	770,880.42	35	FI	1	6.56%	2.67%	12.45%	0.90%	0.90%	0.90%	495,168.03	495,168.03	495,168.03	495,168.03	DB289	DB289	November 2021	
16	Line of Credit	Modified Term	2.3672480272%	22,889,918.04	22,889,918.04	20	FI	1	5.81%	1.92%	11.60%	0.90%	0.90%	0.90%	3,488.00	3,488.00	3,488.00	3,488.00	DB235	DB235	January 2022	
16	Line of Credit	Modified Term	2.3672480272%	914,247.89	914,247.89	35	FI	1	5.87%	1.94%	11.70%	0.90%	0.90%	0.90%	5,301.66	5,301.66	5,301.66	5,301.66	DB235	DB235	January 2022	
16	Line of Credit	Modified Term	2.3672480272%	192,160.01	192,160.01	35	FI	1	5.87%	2.00%	12.00%	0.90%	0.90%	0.90%	2,298.26	2,298.26	2,298.26	2,298.26	DB235	DB235	January 2022	
16	Line of Credit	Modified Term	2.3672480272%	153,340.00	153,340.00	35	FI	1	5.87%	2.00%	12.00%	0.90%	0.90%	0.90%	4,000.00	4,000.00	4,000.00	4,000.00	DB235	DB235	January 2022	
16	Line of Credit	Modified Term	17.81602981%	21,307,235.56	21,307,235.56	0	FI	1	6.28%	2.21%	11.26%	0.90%	0.90%	0.90%	2,021.79	2,021.79	2,021.79	2,021.79	DB072	DB072	November 2021	
16	Line of Credit	Modified Term	17.81602981%	153,435.11	153,435.11	0	FI	1	6.28%	2.37%	11.28%	0.90%	0.90%	0.90%	3,488.00	3,488.00	3,488.00	3,488.00	DB072	DB072	November 2021	
16	Line of Credit	Modified Term	17.81602981%	50,704.53	50,704.53	0	FI	1	6.62%	2.97%	11.62%	0.90%	0.90%	0.90%	93,049.04	93,049.04	93,049.04	93,049.04	DB072	DB072	November 2021	
16	Line of Credit	Modified Term	2.488428899%	9,576,793.99	9,576,793.99	20	FI	1	6.19%	2.29%	10.89%	0.90%	0.90%	0.90%	95,992.17	95,992.17	95,992.17	95,992.17	DB082	DB082	November 2021	
16	Line of Credit	Modified Term	2.488428899%	1,109,401.22	1,109,401.22	19	FI	1	6.31%	2.45%	11.84%	0.90%	0.90%	0.90%	14,876.40	14,876.40	14,876.40	14,876.40	DB082	DB082	November 2021	
16	Line of Credit	Modified Term	2.488428899%	15,921,008.00	15,921,008.00	17	FI	1	6.33%	2.43%	11.88%	0.90%	0.90%	0.90%	14,876.40	14,876.40	14,876.40	14,876.40	DB082	DB082	November 2021	
16	Line of Credit	Modified Term	2.488428899%	301,385.77	301,385.77	17	FI	1	6.20%	2.39%	11.88%	0.90%	0.90%	0.90%	270,784.46	270,784.46	270,784.46	270,784.46	DB082	DB082	November 2021	
16	Line of Credit	Modified Term	2.488428899%	422,590.94	422,590.94	20	FI	1	6.28%	2.40%	10.74%	0.90%	0.90%	0.90%	342,176.49	342,176.49	342,176.49	342,176.49	DB082	DB082	November 2021	
16	Line of Credit	Modified Term	9.4195645193%	22,390,447.72	22,390,447.72	0	FI	1	6.26%	2.18%	11.27%	0.90%	0.90%	0.90%	2,100,868.49	2,100,868.49	2,100,868.49	2,100,868.49	DB096	DB096	November 2021	
16	Line of Credit	Modified Term	9.4195645193%	134,930.66	134,930.66	0	FI	1	6.91%	2.74%	11.91%	0.90%	0.90%	0.90%	3,900.00	3,900.00	3,900.00	3,900.00	DB096	DB096	November 2021	
16	Line of Credit	Modified Term	9.4195645193%	254,752.67	254,752.67	0	FI	1	6.32%	2.20%	11.32%	0.90%	0.90%	0.90%	11,698.40	11,698.40	11,698.40	11,698.40	DB096	DB096	November 2021	
16	Line of Credit	Modified Term	19.000615579%	183,035.95	183,035.95	0	FI	1	6.40%	2.97%	11.40%	0.90%	0.90%	0.90%	15,219.16	15,219.16	15,219.16	15,219.16	DB036	DB036	November 2021	
16	Line of Credit	Modified Term	8.287764788%	741,007.83	741,007.83	12	FI	1	6.16%	2.28%	12.14%	0.90%	0.90%	0.90%	5,225,142.87	5,225,142.87	5,225,142.87	5,225,142.87	DB634	DB634	November 2021	
16	Line of Credit	Modified Term	8.287764788%	52,879.23	52,879.23	18	FI	1	6.27%	2.57%	11.62%	0.90%	0.90%	0.90%	47,341.09	47,341.09	47,341.09	47,341.09	DB634	DB634	November 2021	
16	Line of Credit	Modified Term	8.287764788%	17,111.65	17,111.65	16	FI	1	6.09%	2.18%	11.87%	0.90%	0.90%	0.90%	15,331.59	15,331.59	15,331.59	15,331.59	DB634	DB634	November 2021	
16	Line of Credit	Modified Term	8.287764788%	1,206,320.28	1,206,320.28	0	FI	1	6.19%	2.28%	11.79%	0.90%	0.90%	0.90%	9,178,027.61	9,178,027.61	9,178,027.61	9,178,027.61	DB096	DB096	November 2021	
16	Line of Credit	Modified Term	8.287764788%	72,824.97	72,824.97	15	FI	1	6.27%	2.82%	12.12%	0.90%	0.90%	0.90%	39,510.23	39,510.23	39,510.23	39,510.23	DB096	DB096	November 2021	
16	Line of Credit	Modified Term	19.000615579%	442,550.97	442,550.97	34	FI	1	5.71%	1.81%	11.40%	0.90%	0.90%	0.90%	61,100.19	61,100.19	61,100.19	61,100.19	DB634	DB634	November 2021	
16	Line of Credit	Modified Term	19.000615579%	17,472.93	17,472.93	36	FI	1	5.84%	1.90%	11.40%	0.90%	0.90%	0.90%	27,891.73	27,891.73	27,891.73	27,891.73	DB634	DB634	November 2021	
16	Line of Credit	Modified Term	19.000615579%	10,136.43	10,136.43	35	FI	1	5.88%	1.95%	11.96%	0.90%	0.90%	0.90%	9,136.68	9,136.68	9,136.68	9,136.68	DB634	DB634	November 2021	
16	Line of Credit	Modified Term	19.000615579%	5,676.39	5,676.39	33	FI	1	5.40%	1.57%	11.28%	0.90%	0.90%	0.90%	4,735.64	4,735.64	4,735.64	4,735.64	DB634	DB634	November 2021	
17	Line of Credit	Modified Term	19.000615579%	1,660,127.99	1,660,127.99	36	FI	1	6.08%	2.18%	11.28%	0.90%	0.90%	0.90%	5,062.65	5,062.65	5,062.65	5,062.65	DB235	DB235	January 2022	
17	Line of Credit	Modified Term	19.000615579%	22,889,918.04	22,889,918.04	35	FI	1	6.19%	1.92%	11.60%	0.90%	0.90%	0.90%	95,992.17	95,992.17	95,992.17	95,992.17	DB235	DB235	January 2022	
17	Line of Credit	Modified Term	10.0873019802%	914,247.89	914,247.89	35	FI	1	5.87%	1.94%	11.70%	0.90%	0.90%	0.90%	5,301.66	5,301.66	5,301.66	5,301.66	DB235	DB235	January 2022	
17	Line of Credit	Modified Term	10.0873019802%	192,160.01	192,160.01	35	FI	1	5.87%	2.00%	12.00%	0.90%	0.90%	0.90%	2,298.26	2,298.26	2,298.26	2,298.26	DB235	DB235	January 2022	
17	Line of Credit	Modified Term	10.0873019802%	153,340.00	153,340.00	35	FI	1	5.87%	2.00%	12.00%	0.90%	0.90%	0.90%	4,000.00	4,000.00	4,000.00	4,000.00	DB235	DB235	January 2022	
17	Line of Credit	Modified Term																				

- (2) The HECM MBS Principal Balance is the sum of the outstanding principal amounts of the Participations underlying the related by HECM MBS or Ginnie Mae Platinum Certificate backed by HECM MBS for such payment plan as of November 1, 2024.
- (3) 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 or Ginnie Mae Platinum Certificate backed by HECM MBS for such payment plan as of November 1, 2024.
- (4) 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.
- (5) 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 December 2024.
- (6) 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 or Ginnie Mae Platinum Certificate backed by HECM MBS for such payment plan as of November 1, 2024.
- (7) 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 or Ginnie Mae Platinum Certificate backed by HECM MBS for such payment plan as of November 1, 2024.
- (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 November 1, 2024.
- (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 November 1, 2024.
- (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 or Ginnie Mae Platinum Certificate backed by HECM MBS for such payment plan as of November 1, 2024. 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 or Ginnie Mae Platinum Certificate backed by HECM MBS for such payment plan as of November 1, 2024. 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 or Ginnie Mae Platinum Certificate backed by 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 or Ginnie Mae Platinum Certificate backed by 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 November 1, 2024.
- (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.

(24) Platinum Pool

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 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(U)	Final Distribution Date	Principal Type(I)	Original Class Principal or Notional Balance	Underlying Certificate Factor(2)	Approximate Cumulative Deferred Interest Amount	Principal or Notional 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)
2A	Ginnie Mae	2017-H02	BI	January 30, 2017	38375UYG9	(5)	HWAC/IO/DLY	January 2007	NTL(HPT)	\$110,000,000	0.35409741	\$232,462	\$ 9,500,079	24.390000000000%	7.533%	98
2B	Ginnie Mae	2017-H02	HI	January 30, 2017	38375UYM6	(5)	HWAC/IO/DLY	January 2007	NTL(HPT)	57,142,347	0.34084328	26,994	19,476,585	100	7.646	101
2C	Ginnie Mae	2017-H20	G1	October 30, 2017	38375UN30	(5)	HWAC/IO/DLY	September 2007	NTL(HPT)	39,895,333	0.34861474	6,257	13,210,871	94.9868824002	8.034	102
2D	Ginnie Mae	2018-H13	ID	August 30, 2018	38380LHX4	(5)	HWAC/IO/DLY	July 2008	NTL(HPT)	32,152,068	0.40297720	7,941	12,207,819	94.2212115252	7.962	102
2E	Ginnie Mae	2019-H15	KI	September 30, 2019	38380LE33	(5)	HWAC/IO/DLY	September 2009	NTL(HPT)	28,261,463	0.42137964	0.00	11,908,805	100	7.828	97
3A	Ginnie Mae	2022-H14	FM	July 29, 2022	38382YVX8	(5)	FLT/HWAC/HZ	July 2072	HPT	48,628,823	0.98344065	N/A	47,823,561	100	6.105	29
3B	Ginnie Mae	2022-H24	FM	November 30, 2022	38382YD42	(5)	FLT/HWAC/HZ	November 2072	HPT	51,010,148	1.00062768	N/A	15,009,415	29.4059135057	6.316	25
3C	Ginnie Mae	2023-H28	MF	December 29, 2023	38383KKQ4	(5)	FLT/HWAC/HZ	November 2073	HPT	54,110,827	0.94168509	N/A	23,542,127	46.2014746143	6.099	16

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

(2) Underlying Certificate Factors are as of November 2024.

(3) The Principal or Notional Balance in Trust was obtained using the current Class Principal or Notional Balance of the related Underlying Certificate from data provided to the Sponsor by the participation agent as of November 1, 2024 instead of the truncated balance from ginniemae.gov.

(4) Based on information as of the first Business Day of November 2024.

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

Updated Exhibit A

Assumed Characteristics of the HECMs and the Participations Underlying the Group 2 and 3 Trust Assets(1)

Group or Subgroup	Payment Plan	Percentage of Trust	HECM MBS Balance(C)	HECM Loan Balance	HECM Age (in months) (G)	HECM Type	Index	Rate Reset Frequency (H)	Rate Reset Month (I)	Approximate Weighted Average Reset Rate (J)	Approximate Weighted Average Gross Income Rate (K)	Approximate Weighted Average Margin(7)	Approximate Weighted Average Lifetime Floor(8)	Approximate Weighted Average Interest Rate Cap(9)	Approximate Weighted Average Fee(10)	Approximate Weighted Average Margin(11)	Monthly Fee(12)	Initial Monthly Servicing Fee(13)	Subsequent Monthly Draw(14)	Approximate Weighted Remaining Term (in months) (15)	Available Credit(16)	Available Credit(17)	Maximum Amount(18)	Pool Number	HECM MBS Date
2A	Line of Credit	100%	\$ 909,688.38	\$ 1,956,479.20	96	FLT	1-year Adjusted CME Term SOFR	Annually	2	7.573%	3.730%	3.015%	9.539%	0.560%	1.250%	0.560%	(21)	(19)	(19)	(22)	\$ 475,567.70	\$ 2,574,000.00	AM122	December 2016	
2A	Line of Credit	100%	\$ 3,094,457.46	\$ 4,612,567.07	96	FLT	1-year Adjusted CME Term SOFR	Annually	2	7.507%	3.814%	3.099%	9.727%	0.560%	1.250%	0.560%	(21)	(19)	(19)	(22)	\$ 1,800,797.39	\$ 6,019,800.00	AR6647	January 2017	
2A	Modified Term	100%	\$ 615,132.04	\$ 615,132.04	95	FLT	1-year Adjusted CME Term SOFR	Annually	3	6.935%	3.195%	2.487%	9.128%	0.560%	1.250%	0.560%	(21)	\$ 3,106.99	\$ 3,106.99	30	(22)	109,740.91	1,528,500.00	AR6647	January 2017
2A	Modified Term	100%	\$ 4,694.46	\$ 216,358.77	95	FLT	1-year Adjusted CME Term SOFR	Annually	3	8.682%	4.340%	3.625%	10.270%	0.560%	1.250%	0.560%	(21)	1,679.22	1,701.34	(20)	(22)	0.02	\$ 460,000.00	AR6647	January 2017
2A	Tenure	100%	\$ 4,148.19	\$ 105,625.92	95	FLT	1-year Adjusted CME Term SOFR	Annually	3	7.832%	4.090%	3.375%	10.028%	0.560%	1.250%	0.560%	(21)	814.16	814.16	(20)	(22)	0.00	\$ 225,000.00	AR6647	January 2017
2A	Line of Credit	8.2600770%	\$ 4,265,500.95	\$ 8,081,756.70	95	FLT	1-year Adjusted CME Term SOFR	Annually	3	7.613%	3.866%	3.151%	9.803%	0.560%	1.250%	0.560%	(21)	(19)	(19)	(22)	1,792,357.07	10,925,000.00	AS6062	January 2017	
2A	Tenure	8.2600770%	\$ 8,860.50	\$ 8,860.50	95	FLT	1-year Adjusted CME Term SOFR	Annually	2	7.246%	3.506%	2.875%	9.496%	0.560%	1.250%	0.560%	(21)	520.01	520.01	(20)	(22)	0.00	\$ 160,000.00	AS6062	January 2017
2A	Line of Credit	100%	\$ 7,129,434.82	\$ 12,351,914.07	96	FLT	1-year Adjusted CME Term SOFR	Annually	2	7.456%	3.765%	3.050%	9.659%	0.560%	1.250%	0.560%	(21)	(19)	(19)	(22)	4,188,164.40	17,857,800.00	AS6063	January 2017	
2A	Modified Term	100%	\$ 94,725.45	\$ 94,725.45	96	FLT	1-year Adjusted CME Term SOFR	Annually	2	7.764%	4.090%	3.375%	9.994%	0.560%	1.250%	0.560%	(21)	2,454.03	2,454.03	8	(22)	259,867.26	1,108,000.00	AS6063	January 2017
2A	Modified Term	100%	\$ 100,999.10	\$ 643,773.02	95	FLT	1-year Adjusted CME Term SOFR	Annually	3	7.578%	3.883%	3.168%	9.829%	0.560%	1.250%	0.560%	(21)	4,081.38	4,081.38	(20)	(22)	313,695.10	1,351,500.00	AS6063	January 2017
2A	Tenure	100%	\$ 13,990.23	\$ 106,181.59	96	FLT	1-year Adjusted CME Term SOFR	Annually	2	7.988%	4.340%	3.625%	10.213%	0.560%	1.250%	0.560%	(21)	729.74	729.74	(20)	(22)	0.00	\$ 187,500.00	AS6063	January 2017
2A	Line of Credit	100%	\$ 5,188,147.18	\$ 9,311,407.47	95	FLT	1-year Adjusted CME Term SOFR	Annually	3	7.538%	3.820%	3.104%	9.736%	0.560%	1.250%	0.560%	(21)	(19)	(19)	(22)	3,767,934.82	13,914,300.00	AS6065	January 2017	
2A	Modified Term	100%	\$ 26,223.40	\$ 26,223.40	95	FLT	1-year Adjusted CME Term SOFR	Annually	3	7.255%	3.587%	2.872%	9.517%	0.560%	1.250%	0.560%	(21)	2,004.69	2,004.69	48	(22)	477,826.76	815,500.00	AS6065	January 2017
2A	Modified Term	100%	\$ 293,575.67	\$ 735,986.41	95	FLT	1-year Adjusted CME Term SOFR	Annually	3	7.843%	4.127%	3.412%	10.059%	0.560%	1.250%	0.560%	(21)	2,841.56	2,842.35	(20)	(22)	70,978.41	1,062,000.00	AS6065	January 2017
2A	Tenure	100%	\$ 6,282.06	\$ 152,699.63	95	FLT	1-year Adjusted CME Term SOFR	Annually	3	7.807%	4.090%	3.375%	10.028%	0.560%	1.250%	0.560%	(21)	1,190.04	1,190.04	(20)	(22)	0.00	\$ 225,000.00	AS6065	January 2017
2A	Line of Credit	100%	\$ 1,841,116.02	\$ 323,702,513.70	109	FLT	1-year Adjusted CME Term SOFR	Annually	7	7.891%	3.496%	2.781%	8.714%	0.560%	1.250%	0.560%	(21)	(19)	(19)	(22)	86,325,638.43	427,814,861.00	AN7816	December 2016	
2A	Modified Term	100%	\$ 120,659.99	\$ 120,659.99	108	FLT	1-year Adjusted CME Term SOFR	Annually	8	8.271%	3.508%	2.793%	8.802%	0.560%	1.250%	0.560%	(21)	81,989.43	81,989.43	25	(22)	3,150,598.86	25,553,700.00	AN7816	December 2016
2A	Tenure	100%	\$ 31,240.22	\$ 3,512,995.12	109	FLT	1-year Adjusted CME Term SOFR	Annually	8	8.140%	3.511%	2.795%	8.770%	0.560%	1.250%	0.560%	(21)	20,403.10	20,403.10	88	(22)	0.00	\$ 480,500.00	AN7816	December 2016
2A	Modified Term	100%	\$ 6,889.24	\$ 10,955,565.59	108	FLT	1-year Adjusted CME Term SOFR	Annually	8	8.077%	3.501%	2.786%	8.834%	0.560%	1.250%	0.560%	(21)	36,548.71	36,548.71	(20)	(22)	2,857,270.64	16,750,300.00	AN7816	December 2016
2A	Tenure	100%	\$ 9,862.57	\$ 8,935,612.49	112	FLT	1-year Adjusted CME Term SOFR	Annually	7	8.100%	3.506%	2.784%	8.603%	0.560%	1.250%	0.560%	(21)	38,421.29	38,421.29	(20)	(22)	0.00	\$ 14,253,000.00	AN7816	December 2016
2A	Line of Credit	100%	\$ 2,569,484.88	\$ 3,526,072.37	96	FLT	1-year Adjusted CME Term SOFR	Annually	2	7.388%	3.633%	2.918%	9.595%	0.560%	1.250%	0.560%	(21)	(19)	(19)	(22)	569,693.11	4,335,000.00	AN7817	December 2016	
2A	Modified Term	100%	\$ 241,059.36	\$ 241,059.36	96	FLT	1-year Adjusted CME Term SOFR	Annually	2	7.251%	3.539%	2.824%	9.466%	0.560%	1.250%	0.560%	(21)	1,300.00	1,300.00	21	(22)	227,155.89	758,000.00	AN7817	December 2016
2A	Tenure	100%	\$ 14,581.11	\$ 211,591.10	96	FLT	1-year Adjusted CME Term SOFR	Annually	2	7.301%	3.590%	2.875%	9.434%	0.560%	1.250%	0.560%	(21)	1,616.04	1,616.04	144	(22)	0.00	\$ 440,000.00	AN7817	December 2016
2A	Modified Term	100%	\$ 17,111.31	\$ 201,322.07	96	FLT	1-year Adjusted CME Term SOFR	Annually	2	7.026%	4.215%	3.500%	10.090%	0.560%	1.250%	0.560%	(21)	800.00	800.00	(20)	(22)	19,744.55	328,000.00	AN7817	December 2016
2A	Line of Credit	100%	\$ 2,678,698.02	\$ 4,442,246.67	96	FLT	1-year Adjusted CME Term SOFR	Annually	2	7.425%	3.770%	3.055%	9.676%	0.560%	1.250%	0.560%	(21)	(19)	(19)	(22)	885,089.45	5,002,000.00	AN7824	January 2017	
2A	Modified Term	100%	\$ 2,415.80	\$ 24,415.80	96	FLT	1-year Adjusted CME Term SOFR	Annually	2	7.611%	3.956%	3.250%	9.846%	0.560%	1.250%	0.560%	(21)	1,200.00	1,200.00	5	(22)	19.80	226,000.00	AN7824	January 2017
2A	Tenure	100%	\$ 8,807.64	\$ 120,757.23	96	FLT	1-year Adjusted CME Term SOFR	Annually	2	7.611%	3.956%	3.250%	9.846%	0.560%	1.250%	0.560%	(21)	665.89	665.89	(20)	(22)	0.00	\$ 232,000.00	AN7824	January 2017
2A	Line of Credit	100%	\$ 4,926,648.38	\$ 7,262,572.41	95	FLT	1-year Adjusted CME Term SOFR	Annually	2	7.552%	3.867%	3.152%	9.773%	0.560%	1.250%	0.560%	(21)	(19)	(19)	(22)	1,278,692.33	9,359,860.00	AY1972	January 2017	

Group or Subgroup	Payment Plan	Percentage of Pool in Trust	HECM MBS Principal Balance (\$)	HECM Loan Balance (\$)	Approximate Weighted HECM Use (in months)	HECM Type	Index	Rate Frequency	Rate Reset Month	Approximate Weighted Average Next Reset (5)	Approximate Weighted Average Interest Rate	Approximate Weighted Average Gross Rate (Cap)	Approximate Weighted Average MIP Fee (15)	Monthly Servicing Fee (11)	Initial Monthly Scheduled Draw (11)	Schedule Monthly Draw (15)	Approximate Weighted Average Remaining Draw Term (15)	Initial Line of Credit (16)	Available Line of Credit (17)	Maximum Claim Amount (18)	Pool Number	HECM MBS Issue Date
2A	Modified Term	100%	\$ 27,433.85	\$ 27,433.85	95	FLT	1-year Adjusted CME Term SOFR	Annually	2	7.686%	4.038%	9.937%	1.250%	(21) \$ 3,200.52	(21) \$ 3,200.52	3,200.52	18	(22) \$ 12,826.12	(22) \$ 12,826.12	\$ 975,000.00	AY1972	January 2017
2A	Line of Credit	100%	4,181,013.81	6,097,990.93	95	FLT	1-year Adjusted CME Term SOFR	Annually	3	7.669%	3.924%	9.844%	1.250%	(21) \$ 3,200.52	(21) \$ 3,200.52	3,200.52	(19)	(22) 1,446,561.74	(22) 1,446,561.74	871,350.00	AY1974	January 2017
2A	Modified Term	100%	190,660.65	190,660.65	95	FLT	1-year Adjusted CME Term SOFR	Annually	3	7.669%	3.924%	9.900%	1.250%	(21) \$ 3,200.52	(21) \$ 3,200.52	3,200.52	(23)	(22) 2,403.55	(22) 2,403.55	450,000.00	AY1974	January 2017
2A	Line of Credit	100%	1,430,745.17	284,874,890.30	102	FLT	1-year Adjusted CME Term SOFR	Annually	6	7.909%	3.650%	9.225%	1.250%	(21) \$ 3,200.52	(21) \$ 3,200.52	3,200.52	(19)	(22) 70,707,241.55	(22) 70,707,241.55	377,045,614.00	AY1979	December 2016
2A	Modified Term	100%	154,422.11	154,422.11	102	FLT	1-year Adjusted CME Term SOFR	Annually	7	8.282%	3.500%	9.128%	1.250%	(21) \$ 3,200.52	(21) \$ 3,200.52	3,200.52	21	(22) 1,805,853.06	(22) 1,805,853.06	21,014,500.00	AY1979	December 2016
2A	Term	100%	10,124.94	1,293,818.31	102	FLT	1-year Adjusted CME Term SOFR	Annually	8	8.422%	3.449%	8.992%	1.250%	(21) \$ 3,200.52	(21) \$ 3,200.52	3,200.52	50	(22) \$ 0.00	(22) \$ 0.00	1,998,000.00	AY1979	December 2016
2A	Modified Tenure	100%	48,698.43	7,811,960.51	101	FLT	1-year Adjusted CME Term SOFR	Annually	7	7.937%	3.454%	9.042%	1.250%	(21) \$ 3,200.52	(21) \$ 3,200.52	3,200.52	(20)	(22) 1,488,876.28	(22) 1,488,876.28	12,662,000.00	AY1979	December 2016
2A	Tenure	100%	61,684.48	6,374,452.02	101	FLT	1-year Adjusted CME Term SOFR	Annually	7	7.955%	3.512%	9.179%	1.250%	(21) \$ 3,200.52	(21) \$ 3,200.52	3,200.52	(20)	(22) 0.00	(22) 0.00	11,327,000.00	AY1979	December 2016
2A	Line of Credit	100%	1,901,073.42	312,023,026.41	114	FLT	1-year Adjusted CME Term SOFR	Annually	6	7.473%	3.218%	8.248%	1.250%	(21) \$ 3,200.52	(21) \$ 3,200.52	3,200.52	(19)	(22) 71,957,538.89	(22) 71,957,538.89	403,375,769.00	AY1984	December 2016
2A	Modified Term	100%	98,938.62	98,938.62	115	FLT	1-year Adjusted CME Term SOFR	Annually	6	7.473%	3.103%	8.102%	1.250%	(21) \$ 3,200.52	(21) \$ 3,200.52	3,200.52	22	(22) 1,972,881.96	(22) 1,972,881.96	21,580,000.00	AY1984	December 2016
2A	Term	100%	19,531.02	3,181,957.68	115	FLT	1-year Adjusted CME Term SOFR	Annually	5	7.867%	3.163%	8.138%	1.250%	(21) \$ 3,200.52	(21) \$ 3,200.52	3,200.52	28	(22) 0.00	(22) 0.00	4,100,100.00	AY1984	December 2016
2A	Modified Tenure	100%	76,176.39	12,096,907.55	115	FLT	1-year Adjusted CME Term SOFR	Annually	7	7.987%	3.012%	8.030%	1.250%	(21) \$ 3,200.52	(21) \$ 3,200.52	3,200.52	(20)	(22) 2,958,615.44	(22) 2,958,615.44	18,960,000.00	AY1984	December 2016
2A	Tenure	100%	42,772.48	6,845,327.80	115	FLT	1-year Adjusted CME Term SOFR	Annually	6	7.754%	3.292%	8.275%	1.250%	(21) \$ 3,200.52	(21) \$ 3,200.52	3,200.52	(20)	(22) 0.00	(22) 0.00	10,094,000.00	AY1984	December 2016
2B	Line of Credit	30.481049192%	2,626,619.20	497,159,975.05	110	FLT	1-year Adjusted CME Term SOFR	Annually	8	7.932%	3.428%	8.628%	1.250%	(21) \$ 3,200.52	(21) \$ 3,200.52	3,200.52	(19)	(22) 1,303,269.39	(22) 1,303,269.39	656,699,938.00	AS9972	October 2016
2B	Modified Term	30.481049192%	356,813.48	356,813.48	105	FLT	1-year Adjusted CME Term SOFR	Annually	9	8.348%	3.759%	9.222%	1.250%	(21) \$ 3,200.52	(21) \$ 3,200.52	3,200.52	26	(22) 7,656,615.70	(22) 7,656,615.70	33,369,000.00	AS9972	October 2016
2B	Term	30.481049192%	8,792.25	1,055,444.71	105	FLT	1-year Adjusted CME Term SOFR	Annually	6	8.127%	3.614%	8.938%	1.250%	(21) \$ 3,200.52	(21) \$ 3,200.52	3,200.52	66	(22) 0.00	(22) 0.00	1,408,000.00	AS9972	October 2016
2B	Modified Tenure	30.481049192%	160,622.99	21,658,485.88	107	FLT	1-year Adjusted CME Term SOFR	Annually	7	8.095%	3.582%	8.898%	1.250%	(21) \$ 3,200.52	(21) \$ 3,200.52	3,200.52	(20)	(22) 6,033,744.85	(22) 6,033,744.85	34,238,500.00	AS9972	October 2016
2B	Tenure	30.481049192%	88,490.64	12,708,832.15	109	FLT	1-year Adjusted CME Term SOFR	Annually	6	7.989%	3.554%	8.799%	1.250%	(21) \$ 3,200.52	(21) \$ 3,200.52	3,200.52	(20)	(22) 0.00	(22) 0.00	19,193,000.00	AS9972	October 2016
2B	Line of Credit	61.881697992%	3,323,173.40	6,957,611.82	95	FLT	1-year Adjusted CME Term SOFR	Annually	2	7.660%	3.986%	9.899%	1.250%	(21) \$ 3,200.52	(21) \$ 3,200.52	3,200.52	(19)	(22) 1,906,748.01	(22) 1,906,748.01	9,061,500.00	AS6066	January 2017
2B	Modified Term	61.881697992%	166,491.35	166,491.35	95	FLT	1-year Adjusted CME Term SOFR	Annually	3	7.297%	4.006%	10.020%	1.250%	(21) \$ 3,200.52	(21) \$ 3,200.52	3,200.52	165	(22) 20,001.05	(22) 20,001.05	421,000.00	AS6066	January 2017
2B	Modified Tenure	61.881697992%	222,448.14	529,092.76	95	FLT	1-year Adjusted CME Term SOFR	Annually	3	6.838%	3.155%	9.057%	1.250%	(21) \$ 3,200.52	(21) \$ 3,200.52	3,200.52	(20)	(22) 1,262,743.13	(22) 1,262,743.13	1,003,000.00	AS6066	January 2017
2B	Tenure	61.881697992%	345,415.57	511,925.61	95	FLT	1-year Adjusted CME Term SOFR	Annually	2	7.988%	4.510%	10.270%	1.250%	(21) \$ 3,200.52	(21) \$ 3,200.52	3,200.52	(20)	(22) 0.00	(22) 0.00	585,000.00	AS6066	January 2017
2B	Line of Credit	61.881666013%	2,704,073.69	577,171,000.55	106	FLT	1-year Adjusted CME Term SOFR	Annually	6	7.843%	3.450%	8.800%	1.250%	(21) \$ 3,200.52	(21) \$ 3,200.52	3,200.52	(19)	(22) 172,842,129.57	(22) 172,842,129.57	767,643,041.00	AL3177	November 2016
2B	Modified Term	61.881666013%	98,762.05	98,762.05	107	FLT	1-year Adjusted CME Term SOFR	Annually	6	7.307%	3.626%	8.704%	1.250%	(21) \$ 3,200.52	(21) \$ 3,200.52	3,200.52	43	(22) 5,227,042.86	(22) 5,227,042.86	27,134,800.00	AL3177	November 2016
2B	Modified Tenure	61.881666013%	93,801.90	13,519,954.10	109	FLT	1-year Adjusted CME Term SOFR	Annually	7	7.752%	3.548%	8.580%	1.250%	(21) \$ 3,200.52	(21) \$ 3,200.52	3,200.52	(20)	(22) 4,772,631.57	(22) 4,772,631.57	22,740,000.00	AL3177	November 2016
2B	Line of Credit	3.867274369%	20,284,996.92	37,614,833.56	96	FLT	1-year Adjusted CME Term SOFR	Annually	2	7.465%	3.811%	9.688%	1.250%	(21) \$ 3,200.52	(21) \$ 3,200.52	3,200.52	(19)	(22) 13,865,563.20	(22) 13,865,563.20	55,513,100.00	AL3185	December 2016
2B	Modified Term	3.867274369%	30,943.91	30,943.91	96	FLT	1-year Adjusted CME Term SOFR	Annually	2	7.638%	3.975%	9.848%	1.250%	(21) \$ 3,200.52	(21) \$ 3,200.52	3,200.52	24	(22) 87,932.34	(22) 87,932.34	470,000.00	AL3185	December 2016
2B	Modified Tenure	3.867274369%	74,026.13	476,119.68	96	FLT	1-year Adjusted CME Term SOFR	Annually	2	7.430%	3.767%	9.611%	1.250%	(21) \$ 3,200.52	(21) \$ 3,200.52	3,200.52	(20)	(22) 39,188.30	(22) 39,188.30	705,000.00	AL3185	December 2016
2B	Tenure	3.867274369%	179,210.19	305,921.72	96	FLT	1-year Adjusted CME Term SOFR	Annually	2	7.676%	4.013%	9.880%	1.250%	(21) \$ 3,200.52	(21) \$ 3,200.52	3,200.52	(20)	(22) 0.00	(22) 0.00	425,000.00	AL3185	December 2016
2B	Line of Credit	61.8816648091%	2,703,163.14	271,691,674.86	104	FLT	1-year Adjusted CME Term SOFR	Annually	6	7.252%	3.498%	8.936%	1.250%	(21) \$ 3,200.52	(21) \$ 3,200.52	3,200.52	(19)	(22) 18,137,014.65	(22) 18,137,014.65	316,229,800.00	AL3193	December 2016
2B	Modified Term	61.8816648091%	185,968.45	185,968.45	105	FLT	1-year Adjusted CME Term SOFR	Annually	7	7.945%	3.510%	8.944%	1.250%	(21) \$ 3,200.52	(21) \$ 3,200.52	3,200.52	38	(22) 3,399,494.38	(22) 3,399,494.38	27,460,000.00	AL3193	December 2016
2B	Term	61.8816648091%	42,469.88	4,895,017.57	105	FLT	1-year Adjusted CME Term SOFR	Annually	4	7.824%	3.612%	9.051%	1.250%	(21) \$ 3,200.52	(21) \$ 3,200.52	3,200.52	84	(22) 0.00	(22) 0.00	6,453,000.00	AL3193	December 2016
2B	Modified Tenure	61.8816648091%	153,608.93	15,811,652.36	107	FLT	1-year Adjusted CME Term SOFR	Annually	6	7.752%	3.438%	8.745%	1.250%	(21) \$ 3,200.52	(21) \$ 3,200.52	3,200.52	(20)	(22) 3,142,889.88	(22) 3,142,889.88	24,793,500.00	AL3193	December 2016
2B	Tenure	61.8816648091%	121,222.32	14,336,887.34	105	FLT	1-year Adjusted CME Term SOFR	Annually	6	7.831%	3.524%	8.972%	1.250%	(21) \$ 3,200.52	(21) \$ 3,200.52	3,200.52	(20)	(22) 69,592.67	(22) 69,592.67	23,093,000.00	AL3193	December 2016

Group or Subgroup	Payment Plan	Percentage of Pool in Trust	HECM MBS Principal Balance(D)	HECM Loan Balance	Approximate Weighted HECM Use (in months)	HECM Type	Index	Rate Reset Frequency (y)	Approximate Weighted Average Next Month	Approximate Weighted Average Interest Rate (6)	Approximate Weighted Average Gross Rate (6)	Approximate Weighted Average MIP Fee (1)	Monthly Servicing Fee (2)	Initial Monthly Scheduled Draw(1)	Schedule Monthly Draw(15)	Approximate Weighted Average Remaining Draw Term (15)	Initial Available Credit(16)	Available Line of Credit(17)	Maximum Claim Amount(18)	Pool Number	HECM MBS Issue Date
2B	Line of Credit	61.881651763%	\$3,347,134.45	\$574,260.59	107	FLT	1-year Adjusted CME Term SOFR	Annually	5	7.631%	3.988%	1.250%	0.360%	(2)	\$17,582,784.50	(19)	\$79,278,111.00	AL3195	December 2016		
2B	Modified Term	61.881651763%	34,765.00	34,765.00	106	FLT	1-year Adjusted CME Term SOFR	Annually	5	7.441%	3.293%	1.250%	0.360%	(2)	\$6,530.10	125	(2)	3,003,341.03	AL3195	December 2016	
2B	Modified Term	61.881651763%	41,029.98	5,211,222.39	110	FLT	1-year Adjusted CME Term SOFR	Annually	6	7.746%	3.626%	1.250%	0.360%	(2)	19,157.46	(20)	(2)	1,806,598.22	AL3195	December 2016	
2B	Line of Credit	61.881651763%	1,525,179.47	97,190,870.15	105	FLT	1-year Adjusted CME Term SOFR	Annually	4	7.561%	3.553%	1.250%	0.360%	(2)	31,052.58	(19)	(2)	5,822,362.50	AL3201	January 2017	
2B	Modified Term	61.881651763%	121,459.36	121,459.36	100	FLT	1-year Adjusted CME Term SOFR	Annually	9	7.649%	3.494%	1.250%	0.360%	(2)	19,418.43	99	(2)	773,125.00	AL3201	January 2017	
2B	Term	61.881651763%	2,352.27	4,386,888.82	108	FLT	1-year Adjusted CME Term SOFR	Annually	5	7.713%	3.399%	1.250%	0.360%	(2)	28,966.98	(20)	(2)	474,958.27	AL3201	January 2017	
2B	Modified Term	61.881651763%	36,843.57	5,576,722.66	102	FLT	1-year Adjusted CME Term SOFR	Annually	9	8.439%	3.614%	1.250%	0.360%	(2)	58,569.29	(20)	(2)	19,029,800.00	AL3201	January 2017	
2B	Term	61.881651763%	11,842.60	11,762,690.12	101	FLT	1-year Adjusted CME Term SOFR	Annually	4	7.541%	3.576%	1.250%	0.360%	(2)	98,692.00	(20)	(2)	12,428,382.15	AL3211	January 2017	
2B	Line of Credit	61.881651763%	1,861,026.80	183,549,613.33	104	FLT	1-year Adjusted CME Term SOFR	Annually	5	7.695%	3.551%	1.250%	0.360%	(2)	2,635.73	73	(2)	3,353,816.58	AL3211	January 2017	
2B	Modified Term	61.881651763%	125,856.71	125,856.71	105	FLT	1-year Adjusted CME Term SOFR	Annually	6	7.875%	3.487%	1.250%	0.360%	(2)	56,962.51	(20)	(2)	571,000.00	AL3211	January 2017	
2B	Term	61.881651763%	3,817.45	418,550.55	106	FLT	1-year Adjusted CME Term SOFR	Annually	6	7.540%	3.511%	1.250%	0.360%	(2)	15,536.99	(20)	(2)	21,662,500.00	AL3211	January 2017	
2B	Modified Term	61.881651763%	99,248.15	13,615,410.74	108	FLT	1-year Adjusted CME Term SOFR	Annually	6	7.718%	3.574%	1.250%	0.360%	(2)	26,656.24	(20)	(2)	63,208,784.57	AL3211	January 2017	
2B	Term	61.881651763%	25,762.80	3,492,542.78	104	FLT	1-year Adjusted CME Term SOFR	Annually	5	7.540%	3.498%	1.250%	0.360%	(2)	3,779.92	89	(2)	5,665,500.00	AL3211	January 2017	
2B	Line of Credit	61.881651763%	2,101,324.83	379,777,799.50	111	FLT	1-year Adjusted CME Term SOFR	Annually	7	7.662%	3.342%	1.250%	0.360%	(2)	21,339.57	(20)	(2)	467,482,896.00	AL3211	November 2016	
2B	Modified Term	61.881651763%	48,811.89	48,811.89	112	FLT	1-year Adjusted CME Term SOFR	Annually	7	7.659%	3.396%	1.250%	0.360%	(2)	2,605.24	85	(2)	2,327,595.56	AL3211	November 2016	
2B	Term	61.881651763%	5,718.83	658,098.27	106	FLT	1-year Adjusted CME Term SOFR	Annually	6	8.514%	3.813%	1.250%	0.360%	(2)	11,782.11	(20)	(2)	1,094,500.00	AL3211	November 2016	
2B	Modified Term	61.881651763%	42,165.54	6,803,135.01	109	FLT	1-year Adjusted CME Term SOFR	Annually	6	7.768%	3.538%	1.250%	0.360%	(2)	50,000.00	(20)	(2)	10,233,000.00	AL3211	November 2016	
2B	Term	61.881651763%	26,397.26	4,148,058.98	112	FLT	1-year Adjusted CME Term SOFR	Annually	6	7.701%	3.406%	1.250%	0.360%	(2)	50,000.00	(20)	(2)	5,796,500.00	AL3211	November 2016	
2B	Line of Credit	61.881651763%	4,212,250.19	6,859,087.62	96	FLT	1-year Adjusted CME Term SOFR	Annually	2	7.462%	3.804%	1.250%	0.360%	(2)	500.00	(20)	(2)	9,545,500.00	AL3211	January 2017	
2B	Modified Term	61.881651763%	36,410.74	36,410.74	96	FLT	1-year Adjusted CME Term SOFR	Annually	2	7.385%	3.713%	1.250%	0.360%	(2)	500.00	(20)	(2)	308,000.00	AL3211	January 2017	
2B	Line of Credit	61.881651763%	585,232.99	826,295.61	96	FLT	1-year Adjusted CME Term SOFR	Annually	2	7.402%	3.756%	1.250%	0.360%	(2)	500.00	(20)	(2)	508,000.00	AL3211	December 2016	
2B	Line of Credit	61.881651763%	4,061,955.92	6,442,669.44	95	FLT	1-year Adjusted CME Term SOFR	Annually	3	7.583%	3.939%	1.250%	0.360%	(2)	1,498.00	(20)	(2)	2,295,721.44	AL3211	January 2017	
2B	Modified Term	61.881651763%	81,639.47	81,639.47	95	FLT	1-year Adjusted CME Term SOFR	Annually	3	7.410%	3.713%	1.250%	0.360%	(2)	1,498.00	(20)	(2)	530,000.00	AL3211	January 2017	
2B	Modified Term	61.881651763%	21,399.20	122,273.98	95	FLT	1-year Adjusted CME Term SOFR	Annually	3	7.285%	3.509%	1.250%	0.360%	(2)	682.54	(20)	(2)	210,000.00	AL3211	January 2017	
2C	Line of Credit	100%	551,940.66	83,425,490.53	101	FLT	1-year Adjusted CME Term SOFR	Annually	6	7.912%	3.413%	1.250%	0.360%	(2)	4,924.28	(20)	(2)	19,026,304.53	AW8451	August 2017	
2C	Modified Term	100%	6,081.52	6,081.52	110	FLT	1-year Adjusted CME Term SOFR	Annually	9	7.729%	2.956%	1.250%	0.360%	(2)	4,924.28	203	(2)	72,217.65	AW8451	August 2017	
2C	Term	100%	1,295.95	358,276.74	117	FLT	1-year Adjusted CME Term SOFR	Annually	5	7.927%	3.833%	1.250%	0.360%	(2)	602.91	63	(2)	375,000.00	AW8451	August 2017	
2C	Modified Term	100%	2,338.73	481,719.93	106	FLT	1-year Adjusted CME Term SOFR	Annually	5	7.677%	3.346%	1.250%	0.360%	(2)	1,273.00	(20)	(2)	441,886.94	AW8451	August 2017	
2C	Term	100%	6,552.40	1,160,664.18	111	FLT	1-year Adjusted CME Term SOFR	Annually	7	8.085%	3.331%	1.250%	0.360%	(2)	5,184.89	(20)	(2)	1,955,000.00	AW8451	August 2017	
2C	Line of Credit	100%	2,784,019.73	51,944,264.11	97	FLT	1-year Adjusted CME Term SOFR	Annually	8	8.270%	3.586%	1.250%	0.360%	(2)	100,535.63	13	(2)	84,425,815.59	BB100	September 2017	
2C	Modified Term	100%	190,262.78	190,262.78	96	FLT	1-year Adjusted CME Term SOFR	Annually	7	8.062%	3.529%	1.250%	0.360%	(2)	9,195.73	62	(2)	3,036,423.31	BB100	September 2017	
2C	Term	100%	12,690.92	1,243,481.06	92	FLT	1-year Adjusted CME Term SOFR	Annually	6	8.103%	3.793%	1.250%	0.360%	(2)	9,195.73	62	(2)	1,896,150.00	BB100	September 2017	
2C	Modified Term	100%	49,498.97	5,504,209.54	101	FLT	1-year Adjusted CME Term SOFR	Annually	6	7.717%	3.272%	1.250%	0.360%	(2)	31,901.54	(20)	(2)	790,523.13	BB100	September 2017	
2C	Term	100%	50,488.42	5,181,289.22	99	FLT	1-year Adjusted CME Term SOFR	Annually	7	8.048%	3.460%	1.250%	0.360%	(2)	34,588.32	(20)	(2)	8,715,800.00	BB100	September 2017	

Group or Subgroup	Payment Plan	Percentage of Pool in Trust	HECM MBS Principal Balance(D)	HECM Loan Balance	Approximate Weighted HECM Use (in months)	HECM Interest Type	Index	Rate Reset Frequency (y)	Rate Reset Month (5)	Approximate Weighted Average Next Reset Month (5)	Approximate Weighted Average Gross Margin(7)	Approximate Weighted Average Gross Rate Cap(9)	Approximate Weighted Average MIP Fee(11)	Monthly Servicing Fee(12)	Initial Monthly Scheduled Draw(13)	Schedule Monthly Draw(14)	Approximate Weighted Average Remaining Draw Term (in months) (15)	Initial Available Line of Credit(16) or Credit(17)	Available Line of Credit(17)	Maximum Claim Amount(18)	Pool Number	HECM MBS Issue Date
2C	Line of Credit	100%	\$2,381,521.18	\$486,031,024.51	99	FLT	1-year Adjusted CME Term SOFR	Annually	7	8.033%	3.490%	9.188%	1.250%	(21)	(19)	(19)	(22)	\$ 31,873,696.46	\$ 577,688,215.00	BB103	BB103	September 2017
2C	Modified Term	100%	90,697.18	90,697.18	100	FLT	1-year Adjusted CME Term SOFR	Annually	6	7.910%	3.598%	9.280%	1.250%	(21)	(19)	(19)	(22)	\$ 77,829.90	\$ 77,829.90	BB105	BB105	September 2017
2C	Term	100%	36,744.15	5,977,267.45	104	FLT	1-year Adjusted CME Term SOFR	Annually	6	7.803%	3.442%	8.910%	1.250%	(21)	(19)	(19)	(22)	\$ 26,638.72	\$ 26,638.72	BB106	BB106	September 2017
2C	Modified Term	100%	81,060.80	11,808,132.87	104	FLT	1-year Adjusted CME Term SOFR	Annually	6	7.783%	3.478%	8.952%	1.250%	(21)	(19)	(19)	(22)	\$ 44,457.69	\$ 44,457.69	BB107	BB107	September 2017
2C	Term	100%	127,940.36	18,553,977.62	99	FLT	1-year Adjusted CME Term SOFR	Annually	6	7.900%	3.529%	9.209%	1.250%	(21)	(19)	(19)	(22)	\$ 81,518.40	\$ 81,518.40	BB108	BB108	September 2017
2C	Line of Credit	100%	2,570,062.05	684,337,473.97	100	FLT	1-year Adjusted CME Term SOFR	Annually	7	7.956%	3.511%	9.159%	1.250%	(21)	(19)	(19)	(22)	\$ 211,985.16755	\$ 982,317,575.00	BB115	BB115	September 2017
2C	Modified Term	100%	3,868.40	3,868.40	100	FLT	1-year Adjusted CME Term SOFR	Annually	7	8.000%	3.527%	9.179%	1.250%	(21)	(19)	(19)	(22)	\$ 212,464.11	\$ 212,464.11	BB115	BB115	September 2017
2C	Modified Term	100%	13,279.91	1,652,864.08	93	FLT	1-year Adjusted CME Term SOFR	Annually	7	8.155%	3.489%	9.555%	1.250%	(21)	(19)	(19)	(22)	\$ 2,809.65	\$ 2,809.65	BB115	BB115	September 2017
2C	Line of Credit	91.0425049959%	4,699,907.38	80,672,786.07	106	FLT	1-year Adjusted CME Term SOFR	Annually	8	7.900%	3.459%	8.860%	1.250%	(21)	(19)	(19)	(22)	\$ 166,902,683.80	\$ 1,081,189,019.00	BC5761	BC5761	September 2017
2C	Modified Term	91.0425049959%	300,234.67	300,234.67	108	FLT	1-year Adjusted CME Term SOFR	Annually	7	7.816%	3.288%	8.604%	1.250%	(21)	(19)	(19)	(22)	\$ 8,006,801.52	\$ 49,719,700.00	BC5761	BC5761	September 2017
2C	Term	91.0425049959%	44,355.40	4,749,698.68	107	FLT	1-year Adjusted CME Term SOFR	Annually	9	7.817%	3.328%	8.686%	1.250%	(21)	(19)	(19)	(22)	\$ 22,636.60	\$ 22,636.60	BC5761	BC5761	September 2017
2C	Modified Term	91.0425049959%	120,085.84	19,845,469.21	110	FLT	1-year Adjusted CME Term SOFR	Annually	7	7.675%	3.225%	8.676%	1.250%	(21)	(19)	(19)	(22)	\$ 62,528.97	\$ 62,528.97	BC5761	BC5761	September 2017
2C	Term	91.0425049959%	122,227.41	19,301,301.03	111	FLT	1-year Adjusted CME Term SOFR	Annually	7	7.889%	3.376%	8.553%	1.250%	(21)	(19)	(19)	(22)	\$ 82,454.17	\$ 82,454.17	BC5761	BC5761	September 2017
2D	Line of Credit	100%	2,131,457.40	144,234,274.78	94	FLT	1-year Adjusted CME Term SOFR	Annually	7	7.999%	3.482%	9.366%	1.250%	(21)	(19)	(19)	(22)	\$ 103,184,465.31	\$ 2,683,129.00	BC2050	BC2050	June 2018
2D	Modified Term	100%	147,724.24	147,724.24	96	FLT	1-year Adjusted CME Term SOFR	Annually	6	7.764%	3.525%	9.286%	1.250%	(21)	(19)	(19)	(22)	\$ 9,780,436.28	\$ 39,181,140.00	BC2050	BC2050	June 2018
2D	Modified Term	100%	133,656.66	23,321,954.39	97	FLT	1-year Adjusted CME Term SOFR	Annually	6	7.680%	3.317%	9.028%	1.250%	(21)	(19)	(19)	(22)	\$ 88,713.09	\$ 89,238.06	BC2050	BC2050	June 2018
2D	Term	100%	1,166.81	205,601.80	82	FLT	1-year Adjusted CME Term SOFR	Annually	3	7.017%	3.333%	9.722%	1.250%	(21)	(19)	(19)	(22)	\$ 859.63	\$ 859.63	BC2050	BC2050	June 2018
2D	Line of Credit	100%	2,454,939.93	264,169,970.31	93	FLT	1-year Adjusted CME Term SOFR	Annually	7	8.132%	3.503%	9.402%	1.250%	(21)	(19)	(19)	(22)	\$ 229,501,257.4	\$ 322,483,625.00	BC2067	BC2067	July 2018
2D	Modified Term	100%	193,755.87	19,375.87	97	FLT	1-year Adjusted CME Term SOFR	Annually	6	7.869%	3.506%	9.248%	1.250%	(21)	(19)	(19)	(22)	\$ 28,404,977.71	\$ 32,652,250.00	BC2067	BC2067	July 2018
2D	Term	100%	21,715.02	2,815,355.31	96	FLT	1-year Adjusted CME Term SOFR	Annually	7	7.817%	3.413%	9.175%	1.250%	(21)	(19)	(19)	(22)	\$ 16,947.59	\$ 16,947.59	BC2067	BC2067	July 2018
2D	Modified Term	100%	108,841.15	16,120,430.49	102	FLT	1-year Adjusted CME Term SOFR	Annually	6	7.739%	3.365%	8.888%	1.250%	(21)	(19)	(19)	(22)	\$ 67,286.69	\$ 67,286.69	BC2067	BC2067	July 2018
2D	Term	100%	89,667.97	11,075,320.34	99	FLT	1-year Adjusted CME Term SOFR	Annually	6	7.816%	3.516%	9.157%	1.250%	(21)	(19)	(19)	(22)	\$ 62,767.65	\$ 62,767.65	BC2067	BC2067	July 2018
2D	Line of Credit	100%	2,693,889.41	390,441,576.45	105	FLT	1-year Adjusted CME Term SOFR	Annually	6	7.800%	3.560%	9.017%	1.250%	(21)	(19)	(19)	(22)	\$ 103,449,457.15	\$ 519,979,451.00	BC9866	BC9866	May 2018
2D	Modified Term	100%	152,665.82	152,665.82	105	FLT	1-year Adjusted CME Term SOFR	Annually	7	8.017%	3.558%	9.018%	1.250%	(21)	(19)	(19)	(22)	\$ 98,298.11	\$ 98,298.11	BC9866	BC9866	May 2018
2D	Term	100%	44,027.75	5,343,668.38	105	FLT	1-year Adjusted CME Term SOFR	Annually	7	7.980%	3.638%	9.097%	1.250%	(21)	(19)	(19)	(22)	\$ 29,526.02	\$ 29,526.02	BC9866	BC9866	May 2018
2D	Modified Term	100%	71,248.67	12,167,454.47	106	FLT	1-year Adjusted CME Term SOFR	Annually	7	7.927%	3.507%	8.927%	1.250%	(21)	(19)	(19)	(22)	\$ 43,597.02	\$ 43,597.02	BC9866	BC9866	May 2018
2D	Term	100%	66,861.06	10,076,332.08	110	FLT	1-year Adjusted CME Term SOFR	Annually	7	8.001%	3.513%	8.713%	1.250%	(21)	(19)	(19)	(22)	\$ 44,337.01	\$ 44,337.01	BC9866	BC9866	May 2018
2D	Line of Credit	100%	1,591,308.80	390,407,999.32	104	FLT	1-year Adjusted CME Term SOFR	Annually	7	7.993%	3.588%	9.068%	1.250%	(21)	(19)	(19)	(22)	\$ 102,878,288.47	\$ 518,572,701.00	BC9861	BC9861	June 2018
2D	Modified Term	100%	127,146.46	127,146.46	108	FLT	1-year Adjusted CME Term SOFR	Annually	8	8.116%	3.513%	8.823%	1.250%	(21)	(19)	(19)	(22)	\$ 98,286.11	\$ 98,286.11	BC9861	BC9861	June 2018
2D	Term	100%	43,389.62	5,343,668.38	105	FLT	1-year Adjusted CME Term SOFR	Annually	7	7.982%	3.678%	9.105%	1.250%	(21)	(19)	(19)	(22)	\$ 29,526.02	\$ 29,526.02	BC9861	BC9861	June 2018
2D	Modified Term	100%	89,247.65	12,167,454.47	107	FLT	1-year Adjusted CME Term SOFR	Annually	7	7.976%	3.511%	8.868%	1.250%	(21)	(19)	(19)	(22)	\$ 43,597.02	\$ 43,597.02	BC9861	BC9861	June 2018
2D	Term	100%	66,749.87	10,076,332.08	110	FLT	1-year Adjusted CME Term SOFR	Annually	7	8.000%	3.513%	8.713%	1.250%	(21)	(19)	(19)	(22)	\$ 44,337.01	\$ 44,337.01	BC9861	BC9861	June 2018
2D	Line of Credit	100%	2,853,834.69	811,117,573.20	110	FLT	1-year Adjusted CME Term SOFR	Annually	7	7.820%	3.336%	8.553%	1.250%	(21)	(19)	(19)	(22)	\$ 167,483,474.41	\$ 1,032,146,519.00	BC295	BC295	July 2018
2D	Modified Term	100%	221,343.92	221,343.92	109	FLT	1-year Adjusted CME Term SOFR	Annually	7	7.804%	3.286%	8.566%	1.250%	(21)	(19)	(19)	(22)	\$ 151,891.74	\$ 151,891.74	BC295	BC295	July 2018

Group or Subgroup	Payment Plan	Percentage of Pool in Trust	HECM MBS Principal Balance(D)	HECM Loan Balance	Approximate Weighted HECM Use (in months)	HECM Interest Type	Index	Rate Frequency	Approximate Weighted Next Reset Month (5)	Approximate Weighted Average Gross Margin(7)	Approximate Weighted Average Gross Rate Cap(8)	Approximate Weighted Average MIP Fee(11)	Monthly Servicing Fee(12)	Initial Monthly Scheduled Draw(12)	Subsequent Monthly Scheduled Draw(13)	Approximate Weighted Average Rate Draw Term (in months) (15)	Initial Available Line of Credit(16) or Credit(17)	Available Line of Credit(17)	Maximum Claim Amount(18)	Pool Number	HECM MBS Issue Date	
																						2D
2D	Term	100%	\$ 33,991.66	\$ 4,719,698.68	110	FLT	1-year Adjusted CME Term SOFR	Annually	8	7.810%	3.341%	1.250%	0.360%	(21)	\$ 22,636.60	\$ 22,636.60	73	\$ 0.00	0.00	\$ 6,275,000.00	BI295	July 2018
2D	Modified Tenure	100%	134,176.15	19,757,288.32	112	FLT	1-year Adjusted CME Term SOFR	Annually	6	7.612%	3.239%	1.250%	0.360%	(21)	61,873.18	61,873.18	(20)	(22)	6,035,057.15	31,090,800.00	BI295	July 2018
2D	Tenure	100%	128,341.67	19,301,301.03	110	FLT	1-year Adjusted CME Term SOFR	Annually	7	7.500%	3.397%	1.250%	0.360%	(21)	82,454.17	82,454.17	(20)	0.00	0.00	29,975,000.00	BI295	July 2018
2E	Line of Credit	100%	2,046,958.32	87,007,824.52	93	FLT	1-year Adjusted CME Term SOFR	Annually	7	7.857%	3.504%	1.250%	0.360%	(21)	(19)	(19)	(19)	(22)	16,194,293.30	112,891,150.00	BN287	August 2019
2E	Modified Term	100%	183,103.84	183,103.84	95	FLT	1-year Adjusted CME Term SOFR	Annually	6	7.968%	3.606%	1.250%	0.360%	(21)	110,077.72	110,077.72	46	(22)	8,415,059.12	36,959,700.00	BN287	August 2019
2E	Modified Tenure	100%	135,713.47	20,544,197.87	97	FLT	1-year Adjusted CME Term SOFR	Annually	6	7.672%	3.416%	1.250%	0.360%	(21)	72,060.59	72,060.59	(20)	(22)	7,706,178.42	35,694,600.00	BN287	August 2019
2E	Line of Credit	100%	3,310,181.49	692,196,148.08	92	FLT	1-year Adjusted CME Term SOFR	Annually	6	7.818%	3.495%	1.250%	0.360%	(21)	(19)	(19)	(19)	(22)	10,231,662.12	799,797,522.00	BN295	September 2019
2E	Modified Tenure	100%	399.71	399.71	105	FLT	1-year Adjusted CME Term SOFR	Annually	5	7.572%	3.659%	1.250%	0.360%	(21)	18,442.46	18,442.46	(20)	(22)	0.12	425,000.00	BN295	September 2019
2E	Line of Credit	100%	2,269,614.94	24,188,819.18	93	FLT	1-year Adjusted CME Term SOFR	Annually	6	7.885%	3.529%	1.250%	0.360%	(21)	(19)	(19)	(22)	19,161,935.85	288,905,900.00	BN292	September 2019	
2E	Modified Term	100%	468,555.62	468,555.62	95	FLT	1-year Adjusted CME Term SOFR	Annually	6	7.800%	3.528%	1.250%	0.360%	(21)	200,139.17	200,139.17	33	(22)	12,217,264.90	79,851,410.00	BN292	September 2019
2E	Term	100%	69,658.96	9,264,094.18	96	FLT	1-year Adjusted CME Term SOFR	Annually	6	7.927%	3.588%	1.250%	0.360%	(21)	49,423.02	49,423.02	71	0.00	0.00	13,044,150.00	BN292	September 2019
2E	Modified Tenure	100%	252,852.52	38,865,905.77	98	FLT	1-year Adjusted CME Term SOFR	Annually	6	7.800%	3.416%	1.250%	0.360%	(21)	153,851.89	153,851.89	(20)	(22)	9,348,670.53	63,610,850.00	BN292	September 2019
2E	Tenure	100%	201,222.27	28,580,319.17	97	FLT	1-year Adjusted CME Term SOFR	Annually	6	7.877%	3.502%	1.250%	0.360%	(21)	144,686.39	144,686.39	(20)	0.00	0.00	47,756,150.00	BN292	September 2019
2E	Line of Credit	100%	2,410,538.40	809,040,619.56	110	FLT	1-year Adjusted CME Term SOFR	Annually	7	7.800%	3.372%	1.250%	0.360%	(21)	(19)	(19)	(19)	(22)	166,036,160.53	1,028,900,019.00	BP725	August 2019
2E	Modified Term	100%	267,126.45	267,126.45	111	FLT	1-year Adjusted CME Term SOFR	Annually	8	7.767%	3.228%	1.250%	0.360%	(21)	152,791.74	152,791.74	41	(22)	7,906,110.54	49,851,700.00	BP725	August 2019
2E	Term	100%	30,444.66	47,469,698.68	109	FLT	1-year Adjusted CME Term SOFR	Annually	8	7.891%	3.527%	1.250%	0.360%	(21)	22,636.60	22,636.60	79	0.00	0.00	6,375,000.00	BP725	August 2019
2E	Modified Tenure	100%	143,528.84	19,845,469.21	114	FLT	1-year Adjusted CME Term SOFR	Annually	7	7.571%	3.187%	1.250%	0.360%	(21)	62,526.97	62,526.97	(20)	(22)	6,077,889.33	31,699,800.00	BP725	August 2019
2E	Tenure	100%	118,902.86	19,301,301.03	111	FLT	1-year Adjusted CME Term SOFR	Annually	7	7.903%	3.376%	1.250%	0.360%	(21)	82,454.17	82,454.17	(20)	0.00	0.00	29,975,000.00	BP725	August 2019
3A	Line of Credit	71.6341551520%	12,847,112.49	15,100,357.58	29	FLT	1-year CMT	Monthly	1	6.000%	2.189%	0.500%	0.360%	(21)	(19)	(19)	(19)	(22)	3,742,070.01	30,601,675.00	CO056	July 2022
3A	Line of Credit	100%	38,312,895.09	46,011,696.30	29	FLT	1-year CMT	Monthly	1	6.110%	2.202%	0.500%	0.360%	(21)	(19)	(19)	(19)	(22)	9,416,071.53	91,758,275.00	CO056	July 2022
3A	Modified Term	100%	589,722.55	807,722.55	29	FLT	1-year CMT	Monthly	1	6.077%	2.080%	0.500%	0.360%	(21)	1,450.00	1,450.00	116	(22)	303.68	1,383,800.00	CO056	July 2022
3A	Term	100%	77,172.49	93,686.74	29	FLT	1-year CMT	Monthly	1	5.635%	1.756%	0.500%	0.360%	(21)	472.70	493.71	91	0.00	0.00	203,000.00	CO056	July 2022
3B	Modified Tenure	100%	161,150.87	245,344.68	29	FLT	1-year CMT	Monthly	1	6.201%	2.367%	0.500%	0.360%	(21)	1,693.19	1,693.19	(20)	(22)	78,571.16	860,000.00	CO056	July 2022
3B	Line of Credit	14.0729586699%	32,233,694.84	37,828,986.28	26	FLT	1-year CMT	Monthly	1	6.311%	2.398%	0.500%	0.360%	(21)	(19)	(19)	(19)	(22)	7,759,866.62	81,581,875.00	CP926	October 2022
3B	Modified Term	11.07209586699%	77,148.39	77,148.39	26	FLT	1-year CMT	Monthly	1	5.520%	1.610%	0.500%	0.360%	(21)	(23)	(23)	(23)	(22)	155,292.47	515,000.00	CP926	October 2022
3B	Modified Tenure	14.0729586699%	366,840.11	596,049.16	26	FLT	1-year CMT	Monthly	1	6.423%	2.540%	0.500%	0.360%	(21)	5,501.92	5,501.92	(20)	(22)	2,291,738.88	2,889,000.00	CP926	October 2022
3B	Line of Credit	10.88036032569%	27,582,772.24	33,001,432.02	26	FLT	1-year CMT	Monthly	1	6.348%	2.458%	0.500%	0.360%	(21)	(19)	(19)	(19)	(22)	5,062,075.38	70,664,163.00	CP929	October 2022
3B	Modified Term	10.88036032569%	195,970.11	195,970.11	26	FLT	1-year CMT	Monthly	1	6.615%	2.710%	0.500%	0.360%	(21)	(23)	(23)	(23)	(22)	288,483.02	970,800.00	CP929	October 2022
3B	Term	10.88036032569%	179,742.28	309,022.54	26	FLT	1-year CMT	Monthly	1	6.590%	2.658%	0.500%	0.360%	(21)	4,614.28	4,614.28	122	0.00	0.00	1,220,800.00	CP929	October 2022
3B	Modified Tenure	10.88036032569%	479,071.95	615,099.44	26	FLT	1-year CMT	Monthly	1	6.493%	2.590%	0.500%	0.360%	(21)	1,706.24	1,707.69	(20)	(22)	2,957,34.25	2,115,800.00	CP929	October 2022
3B	Term	10.88036032569%	84,645.10	189,616.66	26	FLT	1-year CMT	Monthly	1	5.895%	2.006%	0.500%	0.360%	(21)	3,815.35	3,815.35	(20)	0.00	0.00	652,000.00	CP929	October 2022
3B	Line of Credit	30.34382956684%	1,679,815.56	147,859,281.81	39	FLT	1-year CMT	Monthly	1	6.168%	2.263%	0.500%	0.360%	(21)	20,344.19	20,344.19	58	(22)	751,187.52	9,693,750.00	CP931	October 2022
3B	Modified Term	30.34382956684%	485,784.49	85,784.49	40	FLT	1-year CMT	Monthly	1	6.330%	2.422%	0.500%	0.360%	(21)	3,609.85	3,609.85	91	0.00	0.00	1,622,875.00	CP931	October 2022
3B	Term	30.34382956684%	5,471.68	921,145.77	37	FLT	1-year CMT	Monthly	1	6.077%	2.182%	0.500%	0.360%	(21)	1,960.53	1,960.53	(20)	(22)	47,124.79	1,524,375.00	CP931	October 2022
3B	Modified Tenure	30.34382956684%	3,081.61	603,122.74	41	FLT	1-year CMT	Monthly	1	5.786%	1.859%	0.500%	0.360%	(21)	1,201.21	1,201.21	(19)	(20)	0.00	675,000.00	CP931	October 2022
3B	Term	30.34382956684%	39,739,815.25	211,865,382.71	28	FLT	1-year CMT	Monthly	1	6.886%	2.455%	0.500%	0.360%	(21)	(19)	(19)	(19)	(22)	32,413,024.38	427,657,454.00	CP932	October 2022
3B	Modified Term	100%	71,060.86	71,060.86	28	FLT	1-year CMT	Monthly	1	6.336%	2.118%	0.500%	0.360%	(21)	17,668.48	19,299.03	61	(22)	1,305,469.25	8,470,500.00	CP932	October 2022
3B	Term	100%	19,036.53	445,468.88	27	FLT	1-year CMT	Monthly	1	6.335%	2.606%	0.500%	0.360%	(21)	7,444.16	7,444.16	95	0.00	0.00	1,705,000.00	CP932	October 2022
3B	Modified Tenure	100%	24,665.69	1,492,205.26	28	FLT	1-year CMT	Monthly	1	6.491%	2.564%	0.500%	0.360%	(21)	8,167.22	8,167.22	(20)	(22)	361,607.58	4,242,000.00	CP932	October 2022
3B	Term	100%	28,869.67	161,371.83	28	FLT	1-year CMT	Monthly	1	6.188%	2.258%	0.500%	0.360%	(21)	8,463.12	8,463.12	(20)	0.00	0.00	4,435,000.00	CP932	October 2022
3B	Line of Credit	100%	39,739,815.25	481,709,977.04	25	FLT	1-year CMT	Monthly	1	6.987%	2.397%	0.500%	0.360%	(21)	(19)	(19)	(19)	(22)	7,916,657.20	105,346,900.00	CP934	November 2022
3B	Modified Term	100%	474,406.38	474,406.38	26	FLT	1-year CMT	Monthly	1	6.572%	2.679%	0.500%	0.360%	(21)	7,298.20	8,000.00	16	(22)	552,916.57	2,502,000.00	CP934	November 2022
3B	Term	100%	120,882.95	160,882.95	25	FLT	1-year CMT	Monthly	1	6.395%	2.436%	0.500%	0.360%	(21)	1,409.68	1,501.12	23	0.00	0.00	301,000.00	CP934	November 2022

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 Type	Index	Rate Reset Frequency (4)	Approximate Weighted Average Next Reset Month (5)	Approximate Weighted Average Gross Margin(7)	Approximate Weighted Average Gross Interest Rate Cap(6)	Approximate Weighted Average MIP Fee(10)	Approximate Weighted Servicing Fee Margin(11)	Monthly Servicing Fee(12)	Initial Monthly Scheduled Draw(13)	Schedule Monthly Draw(14)	Approximate Weighted Average Next Draw Term (in months) (15)	Initial Available Line of Credit(16) or Credit(17)	Available Line of Credit(17)	Maximum Claim Amount(18)	Pool Number	HECM MBS Issue Date
3B	Modified Tenure	100%	\$ 223,989.06	\$ 45,599.06	25	FLT	1-year CMT	Monthly	1	6.120%	2.523%	0.500%	0.360%	(21)	\$ 5,176.66	\$ 5,176.66	(20)	(2)	\$ 35,149,214	2,710,900.00	CP9514	November 2022
3C	Line of Credit	100%	21,853,134.01	23,977,281.15	15	FLT	1-year CMT	Monthly	1	6.000%	2.179%	0.500%	0.360%	(21)	(19)	(19)	(19)	(22)	5,971,317.81	62,198,420.00	CW9877	September 2023
3C	Modified Term	100%	45,332.84	45,332.84	15	FLT	1-year CMT	Monthly	1	5.900%	2.000%	0.500%	0.360%	(21)	3,000.00	3,000.00	(6)	(22)	133,904.69	718,000.00	CW9877	September 2023
3C	Modified Tenure	100%	482,800.63	1,072,724.05	15	FLT	1-year CMT	Monthly	1	6.288%	2.462%	0.500%	0.360%	(21)	14,500.00	14,500.00	(20)	(22)	1,336,315.98	4,379,900.00	CW9877	September 2023
3C	Line of Credit	100%	6,945,977.33	7,975,378.84	15	FLT	1-year CMT	Monthly	1	5.860%	1.934%	0.500%	0.360%	(21)	(19)	(19)	(19)	(22)	1,961,711.22	20,586,200.00	CW9878	September 2023
3C	Modified Term	100%	45,919.05	45,919.05	15	FLT	1-year CMT	Monthly	1	5.281%	1.375%	0.500%	0.360%	(21)	500.00	500.00	(10)	(22)	183,075.55	560,000.00	CW9878	September 2023
3C	Term	100%	112,867.62	124,766.11	15	FLT	1-year CMT	Monthly	1	6.150%	2.250%	0.500%	0.360%	(21)	733.78	733.78	165	(22)	90.00	340,000.00	CW9878	September 2023
3C	Line of Credit	100%	7,859,768.67	7,517,891.90	14	FLT	1-year CMT	Monthly	1	5.857%	1.952%	0.500%	0.360%	(21)	(19)	(19)	(22)	2,412,035.13	20,689,080.00	CW9910	October 2023	
3C	Modified Term	100%	137,833.02	137,833.02	14	FLT	1-year CMT	Monthly	1	6.030%	2.125%	0.500%	0.360%	(21)	2,000.00	2,000.00	209	(22)	2,191.24	825,000.00	CW9910	October 2023
3C	Term	100%	116,231.25	317,528.86	14	FLT	1-year CMT	Monthly	1	5.775%	1.870%	0.500%	0.360%	(21)	17,088.05	17,088.05	103	(22)	0.00	1,854,800.00	CW9910	October 2023
3C	Modified Tenure	100%	64,628.95	89,599.24	14	FLT	1-year CMT	Monthly	1	5.280%	1.375%	0.500%	0.360%	(21)	300.00	300.00	(20)	(22)	166,885.52	450,000.00	CW9910	October 2023
3C	Line of Credit	100%	85,781,886.92	9,689,187.57	13	FLT	1-year CMT	Monthly	1	6.125%	2.25%	0.500%	0.360%	(21)	(19)	(19)	(22)	293,351.78	28,015,910.00	CW9877	November 2023	
3C	Modified Term	100%	69,320.63	69,320.63	14	FLT	1-year CMT	Monthly	1	6.155%	2.250%	0.500%	0.360%	(21)	6,400.00	6,400.00	10	(22)	51,406.86	620,000.00	CW9877	November 2023
3C	Term	100%	33,519.00	92,037.07	14	FLT	1-year CMT	Monthly	1	5.905%	2.000%	0.500%	0.360%	(21)	5,103.58	5,103.58	46	(22)	0.00	590,000.00	CW9877	November 2023
3C	Line of Credit	0.8626/8973%	21,631,068.86	27,955,840.27	15	FLT	1-year CMT	Monthly	1	6.141%	2.210%	0.500%	0.360%	(21)	(19)	(19)	(22)	11,367,166.05	89,977,700.00	CX0117	September 2023	
3C	Modified Term	0.8626/8973%	350,693.06	350,693.06	15	FLT	1-year CMT	Monthly	1	6.172%	2.214%	0.500%	0.360%	(21)	2,064.85	4,000.00	152	(22)	701,283.96	1,154,000.00	CX0117	September 2023
3C	Term	0.8626/8973%	69,510.06	152,899.77	15	FLT	1-year CMT	Monthly	1	6.190%	2.229%	0.500%	0.360%	(21)	5,591.16	5,591.16	168	(22)	0.00	1,371,000.00	CX0117	September 2023
3C	Term	0.8626/8973%	347,330.91	801,289.19	17	FLT	1-year CMT	Monthly	1	6.239%	2.329%	0.500%	0.360%	(21)	3,024.39	3,024.39	(20)	(22)	0.00	1,917,000.00	CX0117	September 2023
3C	Line of Credit	100%	1,713,867.57	717,385,869.91	36	FLT	1-year CMT	Monthly	1	6.889%	2.469%	0.500%	0.360%	(21)	(19)	(19)	(22)	102,961,317.79	1,268,206,314.00	CX2317	September 2023	
3C	Modified Term	100%	25,326.86	25,326.86	42	FLT	1-year CMT	Monthly	1	6.429%	2.503%	0.500%	0.360%	(21)	37,089.94	37,605.95	85	(22)	1,112,317.69	9,747,960.00	CX2317	September 2023
3C	Modified Tenure	100%	23,864.94	3,539,268.85	36	FLT	1-year CMT	Monthly	1	6.460%	2.545%	0.500%	0.360%	(21)	12,972.43	12,972.43	(20)	(22)	551,237.08	7,752,000.00	CX2317	September 2023
3C	Line of Credit	100%	12,603,891.39	15,669,916.66	17	FLT	1-year CMT	Monthly	1	6.327%	2.426%	0.500%	0.360%	(21)	(19)	(19)	(22)	907,172.41	30,275,453.00	CX3650	September 2023	
3C	Modified Term	100%	151,694.55	151,694.55	15	FLT	1-year CMT	Monthly	1	5.655%	1.750%	0.500%	0.360%	(21)	1,200.00	1,200.00	33	(22)	17,966.40	405,000.00	CX3650	September 2023
3C	Term	100%	179,882.68	191,751.21	15	FLT	1-year CMT	Monthly	1	6.280%	2.300%	0.500%	0.360%	(21)	500.00	500.00	(6)	(22)	0.00	320,000.00	CX3650	September 2023

- The information in this Updated Exhibit A is provided by the Sponsor as of November 1, 2024. It is based on information regarding the HECM MBS, the related Participations and the HECMs related to the Participations underlying the Group 2 and 3 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 November 1, 2024. The information shown in this Updated Exhibit A is for 100% of the relevant pool; however, the Group 2 and 3 securities are only entitled to the Group 2 and 3 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 November 1, 2024.
- 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 November 1, 2024.
- 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 December 2024.
- 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 November 1, 2024.

- (7) 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 November 1, 2024.
- (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 November 1, 2024.
- (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 November 1, 2024.
- (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 November 1, 2024. 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 November 1, 2024. 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 November 1, 2024.
- (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 and 3 Trust Assets will differ from the approximate weighted averages shown above, perhaps significantly. See *"The Trust Assets — The Participations"* in this Supplement.



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November 22, 2024**

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