

# \$3,581,821,265 Government National Mortgage Association GINNIE MAE®

# Guaranteed REMIC Pass-Through Securities and MX Securities Ginnie Mae REMIC Trust 2024-126

#### 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 Certificates 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-15 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 August 30, 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(2)	Interest Rate	Principal Type(3)	Interest Type(3)	CUSIP Number	Final Distribution Date(4)
	Datatice(2)	Rate	Type(3)	Type(3)	rumber	Date(4)
Security Group 1	\$ 40,570,000	5.00%	SEQ	FIX	38384UUL1	March 2053
AB	5,680,000	5.00%	SEQ	FIX	38384UUM9	August 2054
FA	50,000,000	(5)	PT	FLT	38384UUN7	August 2054 August 2054
FC	85,000,000	(5)	PT	FLT	38384UUP2	August 2054
SA	37,333,333	(5)	NTL(PT)	INV/IO	38384UUQ0	August 2054
SC	97,666,667	(5)	NTL(PT)	INV/IO	38384UUR8	August 2054
TA	12,666,667	(5)	NTL(PT)	INV/IO	38384UUS6	August 2054
Security Group 2						
FB	50,000,000	(5)	PT	FLT	38384UUT4	August 2054
SB	50,000,000	(5)	NTL(PT)	INV/IO	38384UUU1	August 2054
Security Group 3						
JA	30,000,000	5.00	SEQ	FIX	38384UUV9	December 2049
JC(1)	13,806,000	5.00	SEQ	FIX	38384UUW7	December 2049
JF	200,000,000	(5)	PT NTL(PT)	FLT INV/IO	38384UUX5	August 2054
JS	200,000,000 6,597,000	(5) 5.00	SEQ/AD	FIX	38384UUY3 38384UUZ0	August 2054 August 2035
JZ(1)	9,058,846	5.00	SEQ	FIX/Z	38384UVA4	August 2053 August 2054
VJ(1)	3,036,000	5.00	SEQ/AD	FIX	38384UVB2	August 2035
ZJ(1)	4,168,821	5.00	SÈQ	FIX/Z	38384UVC0	August 2054
Security Group 4						
BC	51,000,000	6.00	SEQ/AD	FIX	38384UVD8	October 2046
ZB	7,771,130	6.00	SEQ	FIX/Z	38384UVE6	August 2054
Security Group 5						
KA	30,000,000	6.00	SEQ	FIX	38384UVF3	March 2051
KY(1)	10,175,702	6.00	SEQ	FIX	38384UVG1	August 2054
Security Group 6	20 205 000	5.50	CEO(1)	THE C	2020 41 17 17 10	D 1 2020
B(1)	28,395,000 15,000,000	5.50 5.50	SEQ/AD SEQ	FIX FIX/Z	38384UVH9 38384UVJ5	December 2038 August 2054
	13,000,000	3.50	SEQ	1170/2	303040 133	riugust 2004
Security Group 7 FJ(1)	160,000,000	(5)	PT	FLT	38384UVK2	August 2054
HA(1)	106,340,000	5.00	SEQ	FIX	38384UVL0	April 2052
HB(1)	17,249,000	5.00	SEQ	FIX	38384UVM8	January 2054
HF	50,000,000	(5)	PT	FLT	38384UVN6	August 2054
HL(1)	6,411,000	5.00	SEQ	FIX	38384UVP1	August 2054
HS	50,000,000	(5)	NTL(PT)	INV/IO	38384UVQ9	August 2054
SJ	160,000,000 160,000,000	(5) (5)	NTL(PT) NTL(PT)	INV/IO INV/IO	38384UVR7 38384UVS5	August 2054 August 2054
TJ(1)	100,000,000	(5)	NIL(II)	1144/10	303040 133	August 2004
Security Group 8 CF	3,007,874	(5)	PT	FLT	38384UVT3	August 2054
CS	3,007,874	(5)	NTL(PT)	INV/IO	38384UVU0	August 2054 August 2054
TC	3,007,874	(5)	NTL(PT)	INV/IO	38384UVV8	August 2054
Security Group 9						
AF	50,000,000	(5)	PT	FLT	38384UVW6	August 2054
AS	50,000,000	(5)	NTL(PT)	INV/IO	38384UVX4	August 2054
BF BS	50,000,000 50,000,000	(5) (5)	PT NTL(PT)	FLT INV/IO	38384UVY2 38384UVZ9	August 2054 August 2054
FV(1)	100,000,000	(5)	PT PT	FLT	38384UWA3	August 2054 August 2054
K(1)	126,876,000	5.00	SEQ	FIX	38384UWB1	November 2050
KB(1)	15,273,000	5.00	SEQ	FIX	38384UWC9	March 2052
LB(1)	25,521,000	5.00	SEQ	FIX	38384UWD7	February 2054
LM(1)	7,330,000	5.00	SEQ	FIX	38384UWE5	August 2054
S	100,000,000	(5)	NTL(PT)	INV/IO	38384UWF2	August 2054
TV(1)	100,000,000 100,000,000	(5) (5)	NTL(PT) NTL(PT)	INV/IO INV/IO	38384UWG0 38384UWH8	August 2054 August 2054
Security Group 10	100,000,000	(3)	IVIL(II)	1144/10	363640 1116	August 2004
AT	45,000,000	5.00	PT	FIX	38384UWJ4	August 2054
KF(1)	70,094,518	(5)	PT	FLT	38384UWK1	August 2054
MA	100,000,000	5.00	SEQ	FIX	38384UWL9	October 2051
MB(1)	75,000,000	5.00	SEQ	FIX	38384UWM7	October 2051
MV(1)	10,927,000	5.00	SEQ/AD	FIX	38384UWN5	August 2035
MZ(1)	15,003,340 15,000,000	5.00 5.00	SEQ PT	FIX/Z FIX	38384UWP0 38384UWQ8	August 2054
PT	70,094,518	(5)	NTL(PT)	INV/IO	38384UWR6	August 2054 August 2054
TI(1)	70,094,518	(5)	NTL(PT)	INV/IO	38384UWS4	August 2054 August 2054
VM(1)	8,195,000	5.00	SEQ/AD	FIX	38384UWT2	August 2035
ZM(1)	11,252,735	5.00	SÈQ	FIX/Z	38384UWU9	August 2054

(Cover continued on next page)



Ramirez & Co., Inc.

Class of REMIC Securities	Original Principal Balance(2)	Interest Rate	Principal Type(3)	Interest Type(3)	CUSIP Number	Final Distribution Date(4)
Security Group 11			VI ·····	31 - (-7		( /
D(1)	\$ 19,485,000	4.50%	SEQ	FIX	38384UWV7	November 2051
DB(1)	5,515,000 50,000,000	4.50 (5)	SEQ PT	FIX FLT	38384UWW5 38384UWX3	August 2054 August 2054
DB(1) DF DS	50,000,000	(5)	NTL(PT)	INV/IO	38384UWY1	August 2054 August 2054
Security Group 12	, ,	(-)				
DA	18,455,000	5.00	SEQ	FIX	38384UWZ8	February 2053
DL	2,795,000	5.00	SEQ	FIX	38384UXA2	August 2054
FDSD	85,000,000 85,000,000	(5) (5)	PT NTL(PT)	FLT INV/IO	38384UXB0 38384UXC8	August 2054 August 2054
Security Group 13	65,000,000	(5)	IVIL(II)	1144/10	363640240	August 2004
AD	75,000,000	5.50	SEQ	FIX	38384UXD6	January 2052
DY	17,593,278	5.50	SEQ	FIX	38384UXE4	August 2054
Security Group 14						
FG	200,000,000	(5)	PT	FLT	38384UXF1	August 2054
GA(1)	36,581,000 4,609,000	3.00 3.00	SEQ SEQ	FIX FIX	38384UXG9 38384UXH7	December 2050 May 2052
GL(1)	8,810,000	3.00	SEQ	FIX	38384UXJ3	August 2054
GL(1)	73,162,000	4.50	SEQ	FIX	38384UXK0	December 2050
JB(1)	9,218,000	4.50 4.50	SEQ	FIX FIX	38384UXL8 38384UXM6	May 2052
JM(1)	17,620,000 200,000,000	(5)	SEQ NTL(PT)	INV/IO	38384UXN4	August 2054 August 2054
Security Group 15	,,	(-)				
EF	20,000,000	(5)	PT	FLT	38384UXP9	August 2064
FE	100,000,000	(5)	PT	FLT	38384UXQ7	August 2064
IT	20,000,000 120,000,000	(5) (5)	NTL(PT) NTL(PT)	INV/IO INV/IO	38384UXR5 38384UXS3	August 2064 August 2064
	120,000,000	(5)	IVIL(II)	1144/10	36364CA33	August 2004
Security Group 16 GF	200,000,000	(5)	PT	FLT	38384UXT1	August 2064
GS(1)	200,000,000	(5)	NTL(PT)	INV/IO	38384UXU8	August 2064
Security Group 17						
ST(1)	65,000,000	(5)	NTL(TAC/AD)	INV/IO	38384UXV6	August 2064
TF	65,000,000 65,000,000	(5)	TAC/AD NTL(TAC/AD)	FLT INV/IO	38384UXW4 38384UXX2	August 2064 August 2064
ZU	14,268,293	7.00	SUP	FIX/Z	38384UXY0	August 2064
Security Group 18						
EA(1)	46,814,000	4.50	SEQ	FIX	38384UXZ7	November 2051
EB(1)	5,506,000 7,680,000	4.50 4.50	SEQ SEQ	FIX FIX	38384UYA1 38384UYB9	February 2053 August 2054
LF	300,000,000	(5)	PT	FLT	38384UYC7	August 2054 August 2054
LS	180,000,000	(5)	NTL(PT)	INV/IO	38384UYD5	August 2054
QA(1)	66,452,000	4.50 4.50	SEQ	FIX	38384UYE3	April 2051
QB(1)	3,769,000 8,028,000	4.50	SEQ SEQ	FIX FIX	38384UYF0 38384UYG8	November 2051 January 2053
QL(1)	11,751,000	4.50	SEQ	FIX	38384UYH6	August 2054
YS	120,000,000	(5)	NTL(PT)	INV/IO	38384UYJ2	August 2054
Security Group 19						
CA(1)	37,003,000 4,621,147	2.25 2.25	SC/SEQ SC/SEQ	FIX FIX	38384UYK9 38384UYL7	December 2044 December 2044
Security Group 20	4,021,147	2.23	SCISEQ	11/4	363640 IL/	December 2044
FL	80,000,000	(5)	PT	FLT	38384UYM5	August 2054
SL	80,000,000	(5)	NTL(PT)	INV/IO	38384UYN3	August 2054
Security Group 21						
BA(1)	29,267,000	2.25	SC/SEQ	FIX	38384UYP8	October 2044
BY(1)	1,956,982	2.25	SC/SEQ	FIX	38384UYQ6	October 2044
Security Group 22	27,583,000	2.25	SC/SEQ	FIX	38384UYR4	September 2044
N(1)	3,215,599	2.25 2.25	SC/SEQ SC/SEQ	FIX	38384UYS2	September 2044
Security Group 23	0,210,000					
PA(1)	50,000,000	6.00	PAC/AD	FIX	38384UYT0	March 2054
PZ	457,000	6.00	PAC/AD	FIX/Z	38384UYU7	August 2054
<u>UZ</u>	15,867,000	6.00	SUP	FIX/Z	38384UYV5	August 2054
Security Group 24	100,000,000	(5)	NITH (DT)	DIVITO	20204117/7/2	4
SW(1)	100,000,000 100,000,000	(5) (5)	NTL(PT) NTL(PT)	INV/IO INV/IO	38384UYW3 38384UYX1	August 2054 August 2054
WA(1)	35,915,000	5.00	SEQ	FIX	38384UYY9	October 2050
WB(1)	14,085,000	5.00	SEQ	FIX	38384UYZ6	August 2054
WF(1)	100,000,000	(5)	PT	FLT	38384UZA0	August 2054
Residual	0	0.00	NPR	NPR	38384UZB8	August 2064
RR	L 0	0.00	14110	14114	303040ZB0	August 2004

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

# **AVAILABLE INFORMATION**

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

- this Offering Circular Supplement (this "Supplement"),
- the Base Offering Circular and
- in the case of the Group 19, 21 and 22 securities, each disclosure document relating to the Underlying Certificates (the "Underlying Certificate Disclosure Documents").

The Base Offering Circular 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.

Please consult the standard abbreviations of Class Types included in the Base Offering Circular as Appendix I and the glossary included in the Base Offering Circular as Appendix II for definitions of capitalized terms.

# TABLE OF CONTENTS

Page		Page
S-3	ERISA Matters	S-69
S-15	Legal Investment Considerations	S-70
S-19	Plan of Distribution	S-70
S-20	Increase in Size	S-70
S-20	Legal Matters	S-70
	Schedule I: Available Combinations	S-I-1
S-25	Schedule II: Scheduled Principal	
	Balances	S-II-1
S-67	Exhibit A: Underlying Certificates	A-1
	S-3 S-15 S-19 S-20 S-20 S-25	S-3 ERISA Matters S-15 Legal Investment Considerations S-19 Plan of Distribution S-20 Increase in Size S-20 Legal Matters Schedule I: Available Combinations S-25 Schedule II: Scheduled Principal Balances

# **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:** BMO Capital Markets Corp.

Co-Sponsor: Samuel A. Ramirez & Company, Inc.

Trustee: U.S. Bank National Association

**Tax Administrator:** The Trustee **Closing Date:** August 30, 2024

**Distribution Dates:** For the Group 22 Securities, the 16th day of each month or, if the 16th day is not a Business Day, the first Business Day thereafter, commencing in September 2024. For the Group 1 through 21, 23 and 24 Securities, the 20th day of each month or, if the 20th day is not a Business Day, the first Business Day thereafter, commencing in September 2024.

# **Trust Assets:**

Trust Asset Group or Subgroup <sup>(2)</sup>	Trust Asset Type	Certificate Rate	Original Term To Maturity (in years)
1A	Ginnie Mae II	7.000%	30
1B	Ginnie Mae II	7.000%	30
2	Ginnie Mae II	7.500%	30
3	Ginnie Mae II	6.500%	30
4	Ginnie Mae II	6.000%	30
5	Ginnie Mae II	6.000%	30
6	Ginnie Mae II	5.500%	30
7A	Ginnie Mae II	6.000%	30
7B	Ginnie Mae II	6.000%	30
8	Ginnie Mae II	7.500%	30
9A	Ginnie Mae II	6.000%	30
9B	Ginnie Mae II	6.000%	30
9C	Ginnie Mae II	6.000%	30
10A	Ginnie Mae II	5.500%	30
10B	Ginnie Mae II	5.500%	30
10C	Ginnie Mae II	5.500%	30
11	Ginnie Mae II	6.500%	30
12	Ginnie Mae II	7.000%	30
13	Ginnie Mae II	5.500%	30
14	Ginnie Mae II	6.000%	30
15A	Ginnie Mae II	6.500%	40
15B	Ginnie Mae II	6.500%	40
16	Ginnie Mae II	7.000%	40
17	Ginnie Mae II	7.000%	40

Trust Asset Group or Subgroup <sup>(2)</sup>	Trust Asset Type	Certificate Rate	Original Term To Maturity (in years)
18A	Ginnie Mae II	6.500%	30
18B	Ginnie Mae II	6.500%	30
19	<b>Underlying Certificates</b>	(1)	(1)
20	Ginnie Mae II	6.500%	30
21	<b>Underlying Certificates</b>	(1)	(1)
22	<b>Underlying Certificates</b>	(1)	(1)
23	Ginnie Mae II	6.000%	30
24	Ginnie Mae II	6.000%	30

<sup>(1)</sup> Certain information regarding the Underlying Certificates is set forth in Exhibit A 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 a certain MX Class in Groups 16 and 17, payments on each Group will be based solely on payments on the Trust Asset Group with the same numerical designation.

# Assumed Characteristics of the Mortgage Loans Underlying the Group 1 through 18, 20, 23 and 24 Trust Assets<sup>(1)</sup>:

Weighted Average Remaining Term to Maturity (in months)	Weighted Average Loan Age (in months)	Weighted Average Mortgage Rate <sup>(2)</sup>
354	2	7.507%
354	2	7.507%
356	1	7.867%
358	1	7.089%
356	1	6.551%
359	1	6.600%
350	2	6.026%
357	1	6.614%
357	1	6.614%
	Remaining Term to Maturity (in months)  354  354  356  358  356  359  350  357	Remaining Term to Maturity (in months)         Weighted Average Loan Age (in months)           354         2           356         1           358         1           359         1           350         2           357         1

<sup>&</sup>lt;sup>(2)</sup> The Group 1, 7, 9, 10, 15 and 18 Trust Assets consist of the enumerated subgroups (each, a "Subgroup").

Principal Balance	Weighted Average Remaining Term to Maturity (in months)	Weighted Average Loan Age (in months)	Weighted Average Mortgage Rate <sup>(2)</sup>
Group 8 Trust Assets \$3,007,874	351	9	8.154%
<b>Subgroup 9A Trust Assets</b> \$100,000,000	357	1	6.597%
<b>Subgroup 9B Trust Assets</b> \$125,000,000	357	1	6.597%
<b>Subgroup 9C Trust Assets</b> \$150,000,000	357	1	6.597%
<b>Subgroup 10A Trust Assets</b> \$75,000,000	354	5	6.065%
Subgroup 10B Trust Assets \$157,412,925	354	3	6.112%
Subgroup 10C Trust Assets \$118,059,668	354	3	6.112%
<b>Group 11 Trust Assets</b> \$75,000,000	358	1	6.971%
<b>Group 12 Trust Assets</b> \$106,250,000	359	1	7.543%
<b>Group 13 Trust Assets</b> \$92,593,278	350	2	6.027%
<b>Group 14 Trust Assets</b> \$350,000,000	358	2	6.528%
<b>Subgroup 15A Trust Assets</b> (4) \$113,641,509	477	2	7.089%
<b>Subgroup 15B Trust Assets</b> (4) \$6,358,491	468	10	7.080%
<b>Group 16 Trust Assets</b> (4) \$200,000,000	472	6	7.439%
<b>Group 17 Trust Assets</b> <sup>(4)</sup> \$79,268,293	472	6	7.439%
Subgroup 18A Trust Assets \$180,000,000	355	1	7.035%
Subgroup 18B Trust Assets \$270,000,000	355	1	7.035%
<b>Group 20 Trust Assets</b> \$80,000,000	355	1	7.035%
<b>Group 23 Trust Assets</b> \$66,324,000	353	0	6.569%
<b>Group 24 Trust Assets</b> \$150,000,000	353	0	6.569%
(1) As of August 1, 2024.			

- <sup>(2)</sup> The Mortgage Loans underlying the Group 1 through 18, 20, 23 and 24 Trust Assets may bear interest at rates ranging from 0.25% to 1.50% per annum above the related Certificate Rate.
- (3) More than 10% of the Mortgage Loans underlying the Group 5 Trust Assets may be higher balance Mortgage Loans. *See "Risk Factors" in this Supplement.*
- <sup>(4)</sup> The Mortgage Loans underlying the Group 15, 16 and 17 Trust Assets are modified loans with terms greater than or equal to 361 but not more than 480 months from the pool issuance date.

The actual remaining terms to maturity, loan ages and Mortgage Rates of many of the Mortgage Loans underlying the Group 1 through 18, 20, 23 and 24 Trust Assets will differ from the weighted averages shown above, perhaps significantly. See "The Trust Assets — The Mortgage Loans" in this Supplement.

**Characteristics of the Group 19, 21 and 22 Trust Assets:** See Exhibit A to this Supplement for certain information regarding the characteristics of the related Underlying Certificates.

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

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

**Increased Minimum Denomination Classes:** Each Class that constitutes a Principal Only or Interest Only Class. *See "Description of the Securities" — Form of Securities" in this Supplement.* 

**Interest Rates:** The Interest Rates for the Fixed Rate Classes are shown on the front cover of this Supplement or on Schedule I to this Supplement.

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

Class	Interest Rate Formula(1)	Initial Interest Rate(2)	Minimum Rate	Maximum Rate	Delay (in days)	30-day Average SOFR for Minimum Interest Rate
Security Group 1						
FA	30-day Average SOFR + 0.75%	6.09410%	0.75%	8.00%	0	0.00%
FC	30-day Average SOFR + 0.85%	6.20353%	0.85%	7.50%	0	0.00%
SA	7.25% - 30-day Average SOFR	1.90590%	0.00%	7.25%	0	7.25%
SC	6.65% - 30-day Average SOFR	1.29769%	0.00%	6.65%	0	6.65%
TA	7.25% - 30-day Average SOFR	0.60000%	0.00%	0.60%	0	7.25%
Security Group 2						
FB	30-day Average SOFR + 0.85%	6.19410%	0.85%	7.50%	0	0.00%
SB	6.65% - 30-day Average SOFR	1.30590%	0.00%	6.65%	0	6.65%
Security Group 3						
JF	30-day Average SOFR + 1.05%	6.40353%	1.05%	7.00%	0	0.00%
JS	5.95% - 30-day Average SOFR	0.59647%	0.00%	5.95%	0	5.95%

Class	Interest Rate Formula(1)	Initial Interest Rate(2)	Minimum Rate	Maximum Rate	Delay (in days)	30-day Average SOFR for Minimum Interest Rate
Security Group 7						
FH	30-day Average SOFR + 1.20%	6.50000%	1.20%	6.50%	0	0.00%
FJ	30-day Average SOFR + 1.10%	6.45350%	1.10%	6.50%	0	0.00%
FN	30-day Average SOFR + 1.20%	6.50000%	1.20%	6.50%	0	0.00%
HF	30-day Average SOFR + 1.05%	6.40350%	1.05%	7.00%	0	0.00%
HS	5.95% – 30-day Average SOFR	0.59650%	0.00%	5.95%	0	5.95%
SJ	5.30% - 30-day Average SOFR	0.00000%	0.00%	5.30%	0	5.30%
TJ	5.40% - 30-day Average SOFR	0.04650%	0.00%	0.10%	0	5.40%
Security Group 8	,					
CF	30-day Average SOFR + 0.90%	6.25113%	0.90%	7.50%	0	0.00%
CS	6.50% - 30-day Average SOFR	1.14887%	0.00%	6.50%	0	6.50%
TC	6.60% - 30-day Average SOFR	0.10000%	0.00%	0.10%	0	6.60%
Security Group 9						
AF	30-day Average SOFR + 0.85%	6.19446%	0.85%	7.50%	0	0.00%
AS	6.65% – 30-day Average SOFR	1.30554%	0.00%	6.65%	0	6.65%
BF	30-day Average SOFR + 1.05%	6.39446%	1.05%	7.00%	0	0.00%
BS	5.95% – 30-day Average SOFR	0.60554%	0.00%	5.95%	0	5.95%
F	30-day Average SOFR + 1.25%	6.50000%	1.25%	6.50%	0	0.00%
FV	30-day Average SOFR + 1.05%	6.39446%	1.05%	6.50%	0	0.00%
S	5.25% - 30-day Average SOFR	0.00000%	0.00%	5.25%	0	5.25%
TV	5.45% – 30-day Average SOFR	0.10000%	0.00%	0.10%	0	5.45%
TW	5.35% - 30-day Average SOFR	0.00554%	0.00%	0.10%	0	5.35%
VF	30-day Average SOFR + 1.15%	6.49446%	1.15%	6.50%	0	0.00%
Security Group 10						
FM	30-day Average SOFR + 0.85%	6.20350%	0.85%	7.50%	0	0.00%
KF	30-day Average SOFR + 0.75%	6.10350%	0.75%	7.50%	0	0.00%
KS	6.75% – 30-day Average SOFR	1.39650%	0.00%	6.75%	0	6.75%
SM	6.65% – 30-day Average SOFR	1.29650%	0.00%	6.65%	0	6.65%
TI	6.75% – 30-day Average SOFR	0.10000%	0.00%	0.10%	0	6.75%
DF	30-day Average SOFR + 0.85%	6.20353%	0.85%	7.50%	0	0.00%
DS Security Group 12	6.65% – 30-day Average SOFR	1.29647%	0.00%	6.65%	0	6.65%
FD	30-day Average SOFR + 0.85%	6.20116%	0.85%	7.50%	0	0.00%
SD	6.65% – 30-day Average SOFR	1.29884%	0.00%	6.65%	0	6.65%
Security Group 14	,					
FG	30-day Average SOFR + 0.85%	6.20116%	0.85%	7.50%	0	0.00%
SG	6.65% - 30-day Average SOFR	1.29884%	0.00%	6.65%	0	6.65%
Security Group 15						
EF	30-day Average SOFR + 1.30%	6.50000%	1.30%	6.50%	0	0.00%
FE	30-day Average SOFR + 1.35%	6.50000%	1.35%	6.50%	0	0.00%
IT	5.20% – 30-day Average SOFR	0.00000%	0.00%	0.05%	0	5.20%
SE	5.15% - 30-day Average SOFR	0.00000%	0.00%	5.15%	0	5.15%
Security Group 16						
GF	30-day Average SOFR + 1.10%	6.45283%	1.10%	7.00%	0	0.00%
GS	5.90% – 30-day Average SOFR	0.54717%	0.00%	5.90%	0	5.90%
Security Group 17						
ST	5.90% – 30-day Average SOFR	0.54647%	0.00%	5.90%	0	5.90%
TF	30-day Average SOFR + 1.02%	6.37353%	1.02%	7.00%	0	0.00%
TG	5.98% – 30-day Average SOFR	0.08000%	0.00%	0.08%	0	5.98%
TS	5.98% – 30-day Average SOFR	0.62647%	0.00%	5.98%	0	5.98%
Security Groups 16 and 17		4				
SK Security Group 18	5.90% – 30-day Average SOFR	0.54700%	0.00%	5.90%	0	5.90%
LF	30-day Average SOFR + 0.85%	6.19446%	0.85%	7.50%	0	0.00%
LS	6.65% - 30-day Average SOFR	1.30554%	0.00%	6.65%	0	6.65%
YS	6.65% - 30-day Average SOFR	1.30554%	0.00%	6.65%	0	6.65%

Class	Interest Rate Formula(1)	Initial Interest Rate(2)	Minimum Rate	Maximum Rate	Delay (in days)	30-day Average SOFR for Minimum Interest Rate
Security Group 20						
FL	30-day Average SOFR + 1.21%	6.50000%	1.21%	6.50%	0	0.00%
SL	5.29% - 30-day Average SOFR	0.00000%	0.00%	5.29%	0	5.29%
Security Group 24						
FW	30-day Average SOFR + 1.15%	6.50000%	1.15%	6.50%	0	0.00%
SW	5.35% - 30-day Average SOFR	0.00000%	0.00%	5.35%	0	5.35%
TD	5.45% - 30-day Average SOFR	0.09681%	0.00%	0.10%	0	5.45%
WF	30-day Average SOFR + 1.05%	6.40319%	1.05%	6.50%	0	0.00%

- (1) 30-day Average SOFR will be established as described under "Description of the Securities Interest Distributions Floating Rate and Inverse Floating Rate Classes" in this Supplement.
- (2) The initial Interest Rate will be in effect during the first Accrual Period; the Interest Rate will adjust monthly thereafter.

**Allocation of Principal:** On each Distribution Date for a Security Group, the following distributions will be made to the related Securities:

#### **SECURITY GROUP 1**

The Subgroup 1A Principal Distribution Amount and the Subgroup 1B Principal Distribution Amount will be allocated as follows:

- 66.666660714% of the Subgroup 1A Principal Distribution Amount and 10.1131073852% of the Subgroup 1B Principal Distribution Amount to FA, until retired
- 33.333339286% of the Subgroup 1A Principal Distribution Amount and 22.0226211577% of the Subgroup 1B Principal Distribution Amount, sequentially, to AB and AY, in that order, until retired
- 67.8642714571% of the Subgroup 1B Principal Distribution Amount to FC, until retired

# **SECURITY GROUP 2**

The Group 2 Principal Distribution Amount will be allocated to FB, until retired

# **SECURITY GROUP 3**

The Group 3 Principal Distribution Amount, the JZ Accrual Amount and the ZJ Accrual Amount will be allocated as follows:

- The JZ Accrual Amount, sequentially, to JV and JZ, in that order, until retired
- The ZJ Accrual Amount, sequentially, to VJ and ZJ, in that order, until retired
- 74.9999990625% of the Group 3 Principal Distribution Amount to JF, until retired
- 17.12094222860% of the Group 3 Principal Distribution Amount, sequentially, to JA, JV and JZ, in that order, until retired
- 7.87905786515% of the Group 3 Principal Distribution Amount, sequentially, to JC, VJ and ZJ, in that order, until retired

The Group 4 Principal Distribution Amount and the ZB Accrual Amount will be allocated, sequentially, to BC and ZB, in that order, until retired

#### **SECURITY GROUP 5**

The Group 5 Principal Distribution Amount will be allocated, sequentially, to KA and KY, in that order, until retired

#### **SECURITY GROUP 6**

The Group 6 Principal Distribution Amount and the BZ Accrual Amount will be allocated, sequentially, to B and BZ, in that order, until retired

#### **SECURITY GROUP 7**

The Subgroup 7A Principal Distribution Amount and the Subgroup 7B Principal Distribution Amount will be allocated as follows:

- 50% of the Subgroup 7A Principal Distribution Amount to HF, until retired
- 66.66666667% of the Subgroup 7B Principal Distribution Amount to FJ, until retired
- 50% of the Subgroup 7A Principal Distribution Amount and 33.33333333333 of the Subgroup 7B Principal Distribution Amount, sequentially, to HA, HB and HL, in that order, until retired

# **SECURITY GROUP 8**

The Group 8 Principal Distribution Amount will be allocated to CF, until retired

#### **SECURITY GROUP 9**

The Subgroup 9A Principal Distribution Amount, the Subgroup 9B Principal Distribution Amount and the Subgroup 9C Principal Distribution Amount will be allocated as follows:

- 50% of the Subgroup 9A Principal Distribution Amount to BF, until retired
- 40% of the Subgroup 9B Principal Distribution Amount to AF, until retired
- 50% of the Subgroup 9A Principal Distribution Amount, 60% of the Subgroup 9B Principal Distribution Amount and 33.33333333333% of the Subgroup 9C Principal Distribution Amount, sequentially, to K, KB, LB and LM, in that order, until retired
- 66.666666667% of the Subgroup 9C Principal Distribution Amount to FV, until retired

# **SECURITY GROUP 10**

The Subgroup 10A Principal Distribution Amount, the Subgroup 10B Principal Distribution Amount, the Subgroup 10C Principal Distribution Amount, the MZ Accrual Amount and the ZM Accrual Amount will be allocated as follows:

- The MZ Accrual Amount, sequentially, to MV and MZ, in that order, until retired
- The ZM Accrual Amount, sequentially, to VM and ZM, in that order, until retired

- 80% of the Subgroup 10A Principal Distribution Amount, concurrently, to AT and PT, pro rata, until retired
- 20% of the Subgroup 10A Principal Distribution Amount, 20% of the Subgroup 10B Principal Distribution Amount and 19.9999994918% of the Subgroup 10C Principal Distribution Amount to KF, until retired
- 80% of the Subgroup 10B Principal Distribution Amount, sequentially, to MA, MV and MZ, in that order, until retired
- 80.000005082% of the Subgroup 10C Principal Distribution Amount, sequentially, to MB, VM and ZM, in that order, until retired

The Group 11 Principal Distribution Amount will be allocated, concurrently, as follows:

- 66.666666667% to DF, until retired
- 33.333333333%, sequentially, to D and DB, in that order, until retired

# **SECURITY GROUP 12**

The Group 12 Principal Distribution Amount will be allocated, concurrently, as follows:

- 80% to FD, until retired
- 20%, sequentially, to DA and DL, in that order, until retired

#### **SECURITY GROUP 13**

The Group 13 Principal Distribution Amount will be allocated, sequentially, to AD and DY, in that order, until retired

#### **SECURITY GROUP 14**

The Group 14 Principal Distribution Amount will be allocated, concurrently, as follows:

- 57.1428571429% to FG, until retired
- 14.2857142857%, sequentially, to GA, GB and GL, in that order, until retired
- 28.5714285714%, sequentially, to J, JB and JM, in that order, until retired

#### **SECURITY GROUP 15**

The Group 15 Principal Distribution Amount will be allocated, concurrently, to EF and FE, pro rata, until retired

# **SECURITY GROUP 16**

The Group 16 Principal Distribution Amount will be allocated to GF, until retired

The Group 17 Principal Distribution Amount and the ZU Accrual Amount will be allocated in the following order of priority:

- 1. To TF, until reduced to its Scheduled Principal Balance for that Distribution Date
- 2. To ZU, until retired
- 3. To TF, without regard to its Scheduled Principal Balance, until retired

# **SECURITY GROUP 18**

The Subgroup 18A Principal Distribution Amount and the Subgroup 18B Principal Distribution Amount will be allocated as follows:

- 66.666666667% of the Subgroup 18A Principal Distribution Amount and 66.666666667% of the Subgroup 18B Principal Distribution Amount to LF, until retired
- 33.333333333% of the Subgroup 18A Principal Distribution Amount, sequentially, to EA, EB and EL, in that order, until retired
- 33.3333333333% of the Subgroup 18B Principal Distribution Amount, sequentially, to QA, QB, QK and QL, in that order, until retired

# **SECURITY GROUP 19**

The Group 19 Principal Distribution Amount will be allocated, sequentially, to CA and CB, in that order, until retired

#### **SECURITY GROUP 20**

The Group 20 Principal Distribution Amount will be allocated to FL, until retired

#### **SECURITY GROUP 21**

The Group 21 Principal Distribution Amount will be allocated, sequentially, to BA and BY, in that order, until retired

#### **SECURITY GROUP 22**

The Group 22 Principal Distribution Amount will be allocated, sequentially, to N and NY, in that order, until retired

# **SECURITY GROUP 23**

The Group 23 Principal Distribution Amount, the PZ Accrual Amount and the UZ Accrual Amount will be allocated as follows:

- The PZ Accrual Amount, sequentially, to PA and PZ, in that order, until retired
- The Group 23 Principal Distribution Amount and the UZ Accrual Amount in the following order of priority:
- 1. Sequentially, to PA and PZ, in that order, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date

- 2. To UZ, until retired
- 3. Sequentially, to PA and PZ, in that order, without regard to their Aggregate Scheduled Principal Balance, until retired

The Group 24 Principal Distribution Amount will be allocated, concurrently, as follows:

- 66.666666667% to WF, until retired
- 33.33333333%, sequentially, to WA and WB, in that order, until retired

**Scheduled Principal Balances:** The Scheduled Principal Balances or Aggregate Scheduled Principal Balances for the Classes listed below are included in Schedule II to this Supplement. They were calculated using among other things the following Structuring Range or Rate:

Security Group		Structuring Range or Rate
	PAC Classes	
23	PA and PZ (in the aggregate)	140% PSA through 350% PSA
	TAC Class	
17	TF	600% PSA

**Accrual Classes:** Interest will accrue on each Accrual Class identified on the front cover of this Supplement at the per annum rate set forth on that page. However, no interest will be distributed to the Accrual Classes as interest. Interest so accrued on each Accrual Class on each Distribution Date will constitute an Accrual Amount, which will be added to the Class Principal Balance of that Class on each Distribution Date and will be distributable as principal as set forth in this Terms Sheet under "Allocation of Principal."

**Notional Classes:** The Notional Classes will not receive distributions of principal 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 to that extent with, the Class Principal Balances or the outstanding principal balance of the related Trust Asset Subgroup indicated:

Class	Notional Balance	Represents Approximately
Security Group 1		
SA	. \$ 37,333,333	66.666660714% of the Subgroup 1A Trust Assets
SC	. \$ 12,666,667	10.1131073852% of the Subgroup 1B Trust Assets
	85,000,000	100% of FC (PT Class)
	\$ 97,666,667	
TA	. 12,666,667	10.1131073852% of the Subgroup 1B Trust Assets
Security Group 2		
SB	. \$ 50,000,000	100% of FB (PT Class)
Security Group 3		
JS	. \$200,000,000	100% of JF (PT Class)
Security Group 5		
MI	. \$ 2,543,925	25% of KY (SEQ Class)

Class	Original Class Notional Balance	Represents Approximately
Security Group 6		
BI	\$ 5.162.727	18.1818181818% of B (SEQ/AD Class)
Security Group 7	+ 3,,,,	
HI	\$ 8.861.666	8.3333333333% of HA (SEQ Class)
HS		100% of HF (PT Class)
IH	, ,	8.333333333% of HA and HB (in the aggregate) (SEQ Classes)
NI		8.3333333333% of HA, HB and HL (in the aggregate) (SEQ Classes)
SJ	, ,	100% of FJ (PT Class)
TJ		100% of FJ (PT Class)
Security Group 8		
CS	\$ 3.007.874	100% of CF (PT Class)
ГС		100% of CF (PT Class)
Security Group 9	3,007,07	20010 02 02 (2 2 0000)
AS	\$ 50,000.000	100% of AF (PT Class)
BS	, ,	100% of BF (PT Class)
IL	, ,	16.6666666667% of K, KB and LB (in the aggregate) (SEQ Classes)
IN		16.666666667% of K, KB, LB and LM (in the aggregate) (SEQ Classes)
KI	, ,	16.666666667% of K (SEQ Class)
		16.6666666667% of K and KB (in the aggregate) (SEQ Classes)
S		100% of FV (PT Class)
TV		100% of FV (PT Class)
ΓW		100% of FV (PT Class)
Security Group 10	100,000,000	100/0 0111 (11 0100)
IP	\$ 6,818,181	9.0909090909% of MB (SEQ Class)
KS	, ,	100% of KF (PT Class)
SM	, . ,	100% of KF (PT Class)
TI		100% of KF (PT Class)
Security Group 11	, 0,00 -,0 -0	20070 02 22 (2 2 02000)
DI	\$ 13.489.615	69.2307692308% of D (SEQ Class)
DS	, ,	100% of DF (PT Class)
Security Group 12	30,000,000	
SD	\$ 85,000,000	100% of FD (PT Class)
Security Group 14	4 05,000,000	
GI	\$ 6,096,833	16.666666667% of GA (SEQ Class)
ID		8.3333333333 of J, JB and JM (in the aggregate) (SEQ Classes)
IG	6,865,000	16.666666667% of GA and GB (in the aggregate) (SEQ Classes)
IJ	6,865,000	8.333333333% of J and JB (in the aggregate) (SEQ Classes)
IX	8,333,333	16.666666667% of GA, GB and GL (in the aggregate) (SEQ Classes)
JI	6,096,833	8.3333333333% of J (SEQ Class)
SG		100% of FG (PT Class)
Security Group 15		10070 0213 (11 01100)
T	\$ 20,000,000	100% of EF (PT Class)
SE		100% of EF and FE (in the aggregate) (PT Classes)
Security Group 16	120,000,000	100/0 of Di mile 12 (in the aggregate) (i i omored)
_		4000/ COR (PER CL.)
GS	\$200,000,000	100% of GF (PT Class)

	Original Class	
Class	Notional Balance	Represents Approximately
Security Groups 16 and 17		
SK	\$200,000,000	100% of GF (PT Class)
	65,000,000	100% of TF (TAC/AD Class)
	\$265,000,000	
Security Group 17		
ST	\$ 65,000,000	100% of TF (TAC/AD Class)
TG	65,000,000	100% of TF (TAC/AD Class)
TS	65,000,000	100% of TF (TAC/AD Class)
Security Group 18		
EI	\$ 3,601,076	7.6923076923% of EA (SEQ Class)
I	4,615,384	7.6923076923% of EA, EB and EL (in the aggregate) (SEQ Classes)
IE	4,024,615	7.6923076923% of EA and EB (in the aggregate) (SEQ Classes)
IM	6,923,076	7.6923076923% of QA, QB, QK and QL (in the aggregate) (SEQ Classes)
IQ	5,401,615	7.6923076923% of QA and QB (in the aggregate) (SEQ Classes)
IY	6,019,153	7.6923076923% of QA, QB and QK (in the aggregate) (SEQ Classes)
LS	,,	66.666666667% of the Subgroup 18B Trust Assets
QI		7.6923076923% of QA (SEQ Class)
YS	120,000,000	66.666666667% of the Subgroup 18A Trust Assets
Security Group 19		
CI	, ,	50% of CA (SC/SEQ Class)
IC	20,812,073	50% of CA and CB (in the aggregate) (SC/SEQ Classes)
Security Group 20		
SL	\$ 80,000,000	100% of FL (PT Class)
Security Group 21		
IB		45% of BA (SC/SEQ Class)
XI	14,050,791	45% of BA and BY (in the aggregate) (SC/SEQ Classes)
Security Group 22	h	/m/ Car law/( 1 ) (00/0mg of )
AI	, ,	45% of N and NY (in the aggregate) (SC/SEQ Classes)
IA	12,412,350	45% of N (SC/SEQ Class)
Security Group 23	h 16.666666	22 22222222222
PI	\$ 10,000,000	33.3333333333% of PA (PAC/AD Class)
Security Group 24	h /1//////	0.2222222224/ f.W.A.   1.W.D.(', d.   , ) (0.00 cl. )
IW	. , ,	8.333333333% of WA and WB (in the aggregate) (SEQ Classes)
SW	, ,	100% of WF (PT Class)
TD	, ,	100% of WF (PT Class)
WI	2,992,916	8.33333333333% of WA (SEQ Class)

**Tax Status:** Double REMIC Series. *See "Certain United States Federal Income Tax Consequences" in this Supplement and in the Base Offering Circular.* 

**Regular and Residual Classes:** Class RR is a Residual Class and represents the Residual Interest of the Issuing REMIC and the Pooling REMIC. All other Classes of REMIC Securities are Regular Classes.

#### **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 underlying mortgage loans 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 mortgage loans underlying the related trust assets. Any historical data regarding mortgage loan prepayment rates may not be indicative of the rate of future prepayments on the underlying mortgage loans, and no assurances can be given about the rates at which the underlying mortgage loans will prepay. We expect the rate of principal payments on the underlying mortgage loans to vary. Borrowers generally may prepay their mortgage loans at any time without penalty.

The terms of the mortgage loans may be modified to permit, among other things, a partial release of security, which releases a portion of the mortgaged property from the lien securing the related mortgage loan. Partial releases of security may reduce the value of the remaining security and also allow the related borrower to sell the released property and generate proceeds that may be used to prepay the related mortgage loan in whole or in part.

In addition to voluntary prepayments, mortgage loans can be prepaid as a result of governmental mortgage insurance claim payments, loss mitigation arrangements, repurchases or liquidations of defaulted mortgage loans. Although under certain circumstances Ginnie Mae issuers have the option to repurchase defaulted mortgage loans from the related pool underlying a Ginnie Mae MBS certificate, they are not obligated to do so. Defaulted mortgage loans that remain in pools backing Ginnie Mae 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 underlying mortgage loans. Any such event may damage the related mortgaged properties that secure the mortgage loans 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 mortgage loans in such areas resulting in prepayments on the related securities due to governmental mortgage insurance claim payments, loss mitigation arrangements, repurchases or liquidations of defaulted mortgage loans. Insurance payments on damaged or destroyed homes may also lead to prepayments on the underlying mortgage loans. 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 loans from the related pool underlying a Ginnie Mae MBS certificate, even if such loans are not delinquent or 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 mortgage loans and the resulting effect on the timing or rate of principal payments on your 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 (principal only securities, for example) 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.

Under certain circumstances, a Ginnie Mae issuer has the right to repurchase a defaulted mortgage loan from the related pool of mortgage loans underlying a particular Ginnie Mae MBS certificate, the effect of which would be comparable to a prepayment of such mortgage loan. At its option and without Ginnie Mae's prior consent, a Ginnie Mae issuer may repurchase any mortgage loan at an amount equal to par less any amounts previously advanced by such issuer in connection with its responsibilities as servicer of such mortgage loan to the extent that (i) in the case of a mortgage loan included in a pool of mortgage loans underlying a Ginnie Mae MBS certificate issued on or before December 1, 2002, such mortgage loan has been delinquent for four consecutive months, and at least one delinquent payment remains uncured or (ii) in the case of a mortgage loan included in a pool of mortgage loans underlying a Ginnie Mae MBS certificate issued on or after January 1, 2003, no payment has been made on such mortgage loan for three consecutive months. Any such repurchase will result in prepayment of the principal balance or reduction in the notional balance of the securities ultimately backed by such mortgage loan. No assurances can be given as to the timing or frequency of any such repurchases.

The levels of 30-day Average SOFR will affect the yields on the floating rate and inverse floating rate securities. If 30-day Average SOFR performs differently from what you expect, the yield on the floating rate and inverse floating rate securities may be lower than you expect. Lower levels of such index will generally reduce the yield on the floating rate securities; higher levels of such index will generally reduce the yield on the inverse floating rate securities. You should bear in mind that the timing of changes in the level of such index may affect your yield:

generally, the earlier a change, the greater the effect on your yield. It is doubtful that such index will remain constant.

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.

Support securities will be more sensitive to rates of principal payments than other securities. If principal prepayments result in principal distributions on any distribution date equal to or less than the amount needed to produce scheduled payments on the PAC and TAC classes, the related support class will not receive any principal distribution on that date. If prepayments result in principal distributions on any distribution date greater than the amount needed to produce scheduled payments on the PAC and TAC classes for that distribution date, this excess will be distributed to the related support class.

The rate of payments on the underlying certificates will directly affect the rate of payments on the group 19, 21 and 22 securities. The underlying certificates will be sensitive in varying degrees to:

- the rate of payments of principal (including prepayments) of the related mortgage loans, and
- the priorities for the distribution of principal among the classes of the related underlying series.

As described in the related underlying certificate disclosure documents, the principal entitlements

of certain of the underlying certificates included in trust asset groups 19, 21 and 22 on any payment date are calculated, directly or indirectly, on the basis of schedules; no assurance can be given that the underlying certificates will adhere to their schedules. Further, prepayments on the related mortgage loans may have occurred at rates faster or slower than those initially assumed.

This supplement contains no information as to whether the underlying certificates have adhered to any applicable principal balance schedules, whether any related supporting classes remain outstanding or whether the underlying certificates otherwise have performed as originally anticipated. Additional information as to the underlying certificates may be obtained by performing an analysis of current principal factors of the underlying certificates in light of applicable information contained in the related underlying certificate disclosure documents.

Up to 10% of the mortgage loans underlying the group 1 through 4 and 6 through 24 trust assets and up to 100% of the mortgage loans underlying the group 5 trust assets may be higher balance mortgage loans. Subject to special pooling parameters set forth in the Ginnie Mae Mortgage-Backed Securities Guide, qualifying federally-insured or guaranteed mortgage loans that exceed certain balance thresholds established by Ginnie Mae ("higher balance mortgage loans") may be included in Ginnie Mae guaranteed pools. There are no historical performance data regarding the prepayment rates for higher balance mortgage loans. If the higher balance mortgage loans prepay faster or slower than expected, the weighted average lives and yields of the related securities are likely to be affected, perhaps significantly. Furthermore, higher balance mortgage loans tend to be concentrated in certain geographic areas, which may experience relatively higher rates of defaults in the event of adverse economic conditions. No assurances can be given about the prepayment experience or performance of the higher balance mortgage loans.

An investment in the floating rate and inverse floating rate securities entails risks

not associated with an investment in conventional fixed rate securities or securities linked to established market indices. The Federal Reserve Bank of New York began to publish SOFR in April 2018 and compounded averages of SOFR in March 2020. Although the Federal Reserve Bank of New York has also published historical indicative SOFR from August 2014 to March 2018, such pre-publication data necessarily involves assumptions, estimates and approximations. You should not rely on any historical changes or trends in SOFR as an indicator of future changes in SOFR. Daily shifts in SOFR have been, and may in the future be, greater than those in comparable market indices. Because the interest rate applicable to any accrual period for securities with an interest rate based on SOFR will be calculated by reference to the daily rates of SOFR during an approximate 30-day period commencing and ending before the related accrual period as described under "Description of the Securities - Interest Distributions - Floating Rate and Inverse Floating Rate Classes" in this supplement, the return on and value of the floating rate and inverse floating rate securities may fluctuate more than debt securities linked to less volatile indices.

30-day Average SOFR is a relatively new market index, and the floating rate and inverse floating rate 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 may evolve over time, and trading prices of some securities indexed to 30-day Average SOFR may be lower than those of later-issued securities as a result. Similarly, if 30-day Average 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 floating rate and inverse floating rate securities and the suitability of investing in the floating rate and inverse floating rate securities in light of your particular circumstances.

Interest on the floating rate and inverse 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 floating rate and inverse floating rate 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 floating rate and inverse floating rate securities.

If 30-day Average SOFR is no longer published or cannot be used, the amount of interest payable on the floating rate and inverse 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 and inverse floating rate securities, which could adversely affect the return on, value of, and market for, the floating rate and inverse floating rate 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 the group 19, 21 and 22 securities and, in particular, the support, interest only, principal only, accrual 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 underlying mortgage loans will affect the weighted average lives and yields of your securities. The yield and decrement tables in this supple-

ment are based on assumed characteristics which are likely to be different from the actual characteristics. As a result, the yields on your securities could be lower than you expected, even if the mortgage loans prepay at the constant prepayment rates set forth in the applicable table.

It is highly unlikely that the underlying mortgage loans will prepay at any of the prepayment rates assumed in this supplement, or at any constant prepayment rate.

# 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 through 18, 20, 23 and 24)

The Trust MBS are either:

- 1. Ginnie Mae II MBS Certificates guaranteed by Ginnie Mae, or
- 2. Ginnie Mae Platinum Certificates backed by Ginnie Mae II MBS Certificates and guaranteed by Ginnie Mae.

Each Mortgage Loan underlying a Ginnie Mae II MBS Certificate issued prior to July 1, 2003 bears interest at a Mortgage Rate 0.50% to 1.50% per annum greater than the related Certificate Rate. Each Mortgage Loan underlying a Ginnie Mae II MBS Certificate issued on or after July 1, 2003 bears interest at a Mortgage Rate 0.25% to 0.75% per annum greater than the related Certificate Rate. Ginnie Mae receives a fee (the "Ginnie Mae Certificate Guaranty Fee") for its guaranty of each Ginnie Mae II MBS Certificate of 0.06% per annum of the outstanding principal balance of each related Mortgage Loan. The difference between (a) the Mortgage Rate and (b) the sum of the Certificate Rate and the rate of the Ginnie Mae Certificate Guaranty Fee is used to pay the related servicers of the Mortgage Loans a monthly servicing fee.

# The Underlying Certificates (Groups 19, 21 and 22)

The Group 19, 21 and 22 Trust Assets are Underlying Certificates that represent beneficial ownership interests in one or more 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 Document. Each Underlying Certificate Disclosure Document may be obtained from the Information Agent as described under "Available Information" in this Supplement or on ginniemae.gov.

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, the offering document. See "Underlying Certificates" in the Base Offering Circular.

Each Underlying Certificate provides for monthly distributions and is further described in the table contained in Exhibit A to this Supplement.

# The Mortgage Loans

The Mortgage Loans underlying the Group 1 through 18, 20, 23 and 24 Trust Assets are expected to have, on a weighted average basis, the characteristics set forth in the Terms Sheet under "Assumed Characteristics of the Mortgage Loans Underlying the Group 1 through 18, 20, 23 and 24 Trust Assets" and the general characteristics described in the Base Offering Circular. The Mortgage Loans will consist of first lien, single-family, fixed rate, residential mortgage loans that are insured or guaranteed by the Federal Housing Administration, the United States Department of Veterans Affairs, Rural Development (formerly the Rural Housing Service) or the United States Department of Housing and Urban Development ("HUD"). See "The Ginnie Mae Certificates — General" in the Base Offering Circular:

Specific information regarding the characteristics of the Mortgage Loans underlying the Trust MBS is not available. For purposes of this Supplement, certain assumptions have been made regarding the remaining terms to maturity, loan ages and Mortgage Rates of the Mortgage Loans underlying the Trust MBS. However, the actual remaining terms to maturity, loan ages and Mortgage Rates of many of the Mortgage Loans will differ from the characteristics assumed, perhaps significantly. This will be the case even if the weighted average characteristics of the Mortgage Loans are the same as the assumed characteristics. Small differences in the characteristics of the Mortgage Loans can have a significant effect on the Weighted Average Lives and yields of the Securities. See "Risk Factors" and "Yield, Maturity and Prepayment Considerations" 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 (other than the Increased Minimum Denomination Classes) will be issued in minimum dollar denominations of initial principal balance of \$1,000 and integral multiples of \$1 in excess of \$1,000. The Increased Minimum Denomination Classes will be issued in minimum denominations that equal \$100,000 in initial principal or notional balance.

# **Distributions**

Distributions on the Securities will be made on each Distribution Date as specified under "Terms Sheet — Distribution Dates" 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 Distribution Amount will be distributed to the 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 on each Distribution Date to the Holders of all Classes of Securities entitled to distributions of interest.

- Interest will be calculated on the basis of a 360-day year consisting of twelve 30-day months.
- Interest distributable (or accrued in the case of an Accrual Class) 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.
- Investors can calculate the amount of interest to be distributed (or accrued in the case of an Accrual Class) on each Class of Securities for any Distribution Date by using the Class Factors published in the preceding month. See "— Class Factors" below.

# Categories of Classes

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

#### Accrual Periods

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

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

#### Fixed Rate Classes

Each Fixed Rate Class will bear interest at the per annum Interest Rate shown on the front cover of this Supplement or on Schedule I to this Supplement.

# Floating Rate and Inverse Floating Rate Classes

The Floating Rate and Inverse Floating Rate Classes will bear interest as shown under "Terms Sheet — Interest Rates" in this Supplement. The Interest Rates for the Floating Rate and Inverse Floating Rate Classes will be based on 30-day Average SOFR as described below.

The Interest Rate for the Floating Rate and Inverse Floating Rate Classes 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.

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 on ginniemae.gov or by calling the Information Agent at (800) 234-GNMA.

#### Accrual Classes

Each of Classes BZ, JZ, MZ, PZ, UZ, ZB, ZJ, ZM and ZU is an Accrual Class. Interest will accrue on the Accrual Classes and be distributed as described under "Terms Sheet — Accrual Classes" in this Supplement.

# **Principal Distributions**

The Principal Distribution Amount for each Group or Subgroup, as applicable, and each Accrual Amount will be distributed to the Holders entitled thereto as described under "Terms Sheet — Allocation of Principal" in this Supplement. Investors can calculate the amount of principal to be distributed with respect to any Distribution Date by using the Class Factors published in the preceding and current months. See "— Class Factors" below.

# Categories of Classes

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

#### Notional Classes

The Notional Classes will not receive principal distributions. 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 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 Trust REMICs, as described in "Certain United States Federal Income Tax Consequences" in this Supplement and 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 Trust REMICs after the Class Principal Balance or Class Notional Balance of each Class of Regular Securities 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 applicable 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 an Accrual Class) or any 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 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.
- Based on the Class Factors published in the preceding and current months (and Interest Rates), investors in any Class (other than an Accrual Class) can calculate the amount of principal and interest to be distributed to that Class and investors in an Accrual Class can calculate the total amount of principal to be distributed to (or interest to be added to the Class Principal Balance of) that Class on the Distribution Date in the current month.
- 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 the Trust and retire the Securities.

Upon any termination of the Trust, the Holder of any 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 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. The Residual Holders will be entitled to their pro rata share of any assets remaining in the Trust REMICs after payment in full of the amounts described in the foregoing sentence. However, any remaining assets are not likely to be significant.

# **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 or Classes shown on Schedule I to this Supplement. Similarly, all or a portion of the related MX Class or Classes may be exchanged for proportionate interests in the related Class or Classes of REMIC Securities and, in the case of Combinations 5, 6, 7, 8, 10, 14, 16, 18, 20, 27, 28, 30, 31, 32, 33, 34, 36, 40, 41, 42, 44, 45, 47, 48, 50, 51, 52, 53, 54, 55, 56, 58, 59 and 60, other related MX Classes. 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.

In the case of Combinations 5, 6, 7, 8, 10, 14, 16, 18, 20, 27, 28, 30, 31, 32, 33, 34, 36, 40, 41, 42, 44, 45, 47, 48, 50, 51, 52, 53, 54, 55, 56, 58 and 60, the related REMIC Securities may be exchanged for proportionate interests in various subcombinations of MX Classes. Similarly, all or a portion of these MX Classes may be exchanged for proportionate interests in the related REMIC Securities or in other subcombinations of the related MX Classes. Each subcombination 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. See the example under "Description of the Securities — Modification and Exchange" in the Base Offering Circular.

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 U.S. Bank National Association, One Federal Street, 3rd Floor, Boston, MA 02110, Attention: Ginnie Mae REMIC Program Agency Group 2024-126. 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  $\frac{1}{32}$  of 1% of the outstanding principal balance (or notional balance) of the Securities surrendered for exchange (but not less than \$2,000 or more than \$25,000); provided, however, that no fee will be payable in respect of an interest only security unless all securities involved in the exchange are interest only securities. If the

notional balance of the interest only securities surrendered exceeds that of the interest only securities received, the fee will be based on the latter. 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 Mortgage Loans will affect the Weighted Average Lives of and the yields realized by investors in the related Securities.

- The Mortgage Loans do not contain "due-on-sale" provisions, and any Mortgage Loan may be prepaid in full or in part at any time without penalty.
- The rate of payments (including prepayments and payments in respect of liquidations) on the Mortgage Loans is dependent on a variety of economic, geographic, social and other factors, including prevailing market interest rates and general economic factors.

The rate of prepayments with respect to single-family mortgage loans has fluctuated significantly in recent years. Although there is no assurance that prepayment patterns for the Mortgage Loans will conform to patterns for more traditional types of conventional fixed rate mortgage loans, generally:

- if mortgage interest rates fall materially below the Mortgage Rates on any of the Mortgage Loans (giving consideration to the cost of refinancing), the rate of prepayment of those Mortgage Loans would be expected to increase; and
- if mortgage interest rates rise materially above the Mortgage Rates on any of the Mortgage Loans, the rate of prepayment of those Mortgage Loans would be expected to decrease.

In addition, following any Mortgage Loan default and the subsequent liquidation of the underlying Mortgaged Property, the principal balance of the Mortgage Loan will be distributed through a combination of liquidation proceeds, advances from the related Ginnie Mae Issuer and, to the extent necessary, proceeds of Ginnie Mae's guaranty of the Ginnie Mae Certificates. As a result, defaults experienced on the Mortgage Loans will accelerate the distribution of principal of the Securities.

The terms of the Mortgage Loans may be modified to permit, among other things, a partial release of security, which releases a portion of the mortgaged property from the lien securing the related Mortgage Loan. Partial releases of security may allow the related borrower to sell the released property and generate proceeds that may be used to prepay the related Mortgage Loan in whole or in part.

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 19, 21 and 22 Securities are urged to review the discussion under "Risk Factors — The rate of payments on the underlying certificates will directly affect the rate of payments on the group 19, 21 and 22 securities" in this Supplement.

#### **Accretion Directed Classes**

Classes B, BC, JV, MV, PA, PZ, TF, VJ and VM are Accretion Directed Classes. The related Accrual Amounts will be applied to making principal distributions on those Classes as described in this Supplement. Each of Classes ST and TG is a Notional Class whose Class Notional Balance is determined by reference to the Class Principal Balance of the related Accretion Directed Class shown under "Terms Sheet — Notional Classes" in this Supplement.

Each of the Accretion Directed Classes has the AD designation in the suffix position, rather than the prefix position, in its class principal type because it does not have principal payment stability through the applicable pricing prepayment assumption. Classes JV, MV, VJ and VM will have principal payment stability only through the prepayment rate shown in the table below. The remaining Accretion Directed Classes are not listed in the table below because, although they are entitled to receive payments from the related Accrual Amounts, they do not have principal payment stability through any constant prepayment rate significantly higher than 0% PSA, except within any applicable Effective Range.

The Accretion Directed Classes are entitled to principal payments in an amount equal to interest accrued on the related Accrual Classes. With respect to the Classes listed in the table below, the Weighted Average Life of each such Class cannot exceed its Weighted Average Life as shown in the following table under any constant prepayment scenario, even a scenario where there are no prepayments.

- Moreover, based on the Modeling Assumptions, if the related Mortgage Loans prepay at any
  constant rate at or below the rate for an Accretion Directed Class shown in the table below, the
  Class Principal Balance of such Class would be reduced to zero on, but not before, its Final Distribution Date, and the Weighted Average Life of such Class would equal its maximum Weighted
  Average Life shown in the table below.
- However, the Weighted Average Lives of Classes JV, MV, VJ and VM, will be reduced at prepayment speeds higher than the constant rates shown in the table below. See "Yield, Maturity and Prepayment Considerations Decrement Tables" in this Supplement.

# **Accretion Directed Classes**

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Security Group	Class	Average Life (in years)(1)	Final Distribution Date	Prepayment Rate at or below
3	JV	6.0	August 2035	145% PSA
3	VJ	6.0	August 2035	145% PSA
10	MV	6.0	August 2035	215% PSA
10	VM	6.0	August 2035	215% PSA

<sup>(1)</sup> The maximum Weighted Average Life for each Class shown in this table is based on the Modeling Assumptions and the assumption that the related Mortgage Loans prepay at any constant rate at or below the rate shown in the table for such Class.

The Mortgage Loans will have characteristics that differ from those of the Modeling Assumptions. Therefore, even if the related Mortgage Loans prepay at a rate at or somewhat below the "at or below" rate shown for Class JV, MV, VJ or VM, the Class Principal Balance of such Class could be reduced to zero before its Final Distribution Date, and its Weighted Average Life could be shortened.

# Securities that Receive Principal on the Basis of Schedules

As described in this Supplement, each PAC and TAC Class will receive principal payments in accordance with a schedule calculated on the basis of, among other things, a Structuring Range or Rate. See "Terms Sheet — Scheduled Principal Balances." However, whether any such Class will adhere to its schedule and receive "Scheduled Payments" on a Distribution Date will largely depend on the level of prepayments experienced by the related Mortgage Loans.

Each PAC and TAC Class exhibits an Effective Range or Rate of constant prepayment rates at which such Class will receive Scheduled Payments. That range or rate may differ from the Structuring Range or Rate used to create the related principal balance schedule. Based on the Modeling Assumptions, the *initial* Effective Range or Rate for the PAC and TAC Classes are as follows:

Security Group		Initial Effective Range or Rate
	PAC Classes	
23	PA and PZ (in the aggregate)	140% PSA through 350% PSA
	TAC Class	
17	TF	600% PSA

- The principal payment stability of the PAC Classes will be supported by the related Support Class.
- The principal payment stability of the TAC Class will be supported by the related Support Class.

If the Class supporting a given Class is retired before the Class being supported is retired, the outstanding Class will no longer have an Effective Range or Rate and will become more sensitive to prepayments on the related Mortgage Loans.

There is no assurance that the related Mortgage Loans will have the characteristics assumed in the Modeling Assumptions, which were used to determine the initial Effective Range or Rate. If the initial Effective Range or Rate were calculated using the actual characteristics of the related Mortgage Loans, the initial Effective Range or Rate could differ from those shown in the above table, or an initial Effective Rate might not exist. Therefore, even if the Mortgage Loans were to prepay at a constant rate within the initial Effective Range or at the initial Effective Rate shown for any Class in the above table, that Class could fail to receive Scheduled Payments.

Moreover, the related Mortgage Loans will not prepay at any *constant* rate. Non-constant prepayment rates can cause any PAC or TAC Class not to receive Scheduled Payments, even if prepayment rates remain within the initial Effective Range (or if prepayment rates average the Effective Rate) for that Class. Further, the Effective Range for any PAC Class can narrow, shift over time or cease to exist, and the Effective Rate for any TAC Class can change or cease to exist, depending on the actual characteristics of the related Mortgage Loans.

If the related Mortgage Loans prepay at rates that are generally below the Effective Range or Rate for any PAC or TAC Class, the amount available to pay principal on the Securities may be insufficient to produce Scheduled Payments on such related PAC or TAC Class, and its Weighted Average Life may be extended, perhaps significantly.

If the related Mortgage Loans prepay at rates that are generally above the Effective Range or Rate for any PAC or TAC Class, its supporting Class may be retired earlier than that PAC or TAC Class, and its Weighted Average Life may be shortened, perhaps significantly.

# **Assumability**

Each Mortgage Loan may be assumed, subject to HUD review and approval, upon the sale of the related Mortgaged Property. See "Yield, Maturity and Prepayment Considerations — Assumability of Government Loans" in the Base Offering Circular.

# **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.

- 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**

Unless otherwise indicated, the tables that follow have been prepared on the basis of the characteristics of the Underlying Certificates, the priorities of distributions on the Underlying Certificates and the following assumptions (the "Modeling Assumptions"), among others:

- 1. The Mortgage Loans underlying the Group 1 through 18, 20, 23 and 24 Trust Assets have the assumed characteristics shown under "Assumed Characteristics of the Mortgage Loans Underlying the Group 1 through 18, 20, 23 and 24 Trust Assets" in the Terms Sheet, except in the case of information set forth under the 0% PSA Prepayment Assumption Rate, for which each Mortgage Loan underlying a Group 1 through 14, 18, 20, 23 or 24 Trust Asset is assumed to have an original and a remaining term to maturity of 360 months, each Mortgage Loan underlying a Group 15, 16 or 17 Trust Asset is assumed to have an original and a remaining term to maturity of 480 months and each Mortgage Loan underlying a Group 1 through 18, 20, 23 or 24 Trust Asset is assumed to have a Mortgage Rate of 1.50% per annum higher than the related Certificate Rate.
- 2. The Mortgage Loans prepay at the constant percentages of PSA (described below) shown in the related table.
- 3. Distributions on the Group 22 Securities are always received on the 16th day of the month, and distributions on the Group 1 through 21, 23 and 24 Securities are always received on the 20th day of the month, in each case, whether or not a Business Day, commencing in September 2024.
  - 4. A termination of the Trust or any Underlying Trusts does not occur.
  - 5. The Closing Date for the Securities is August 30, 2024.
- 6. 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.
- 7. Distributions on the Underlying Certificates are made as described in the related Underlying Certificate Disclosure Documents.
  - 8. Each Class is held from the Closing Date and is not exchanged in whole or in part.

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 Mortgage Loans will not have the characteristics assumed, many Distribution Dates will occur on a Business Day after the 16th or 20th day of the month, as appli-

cable, and 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, Prepayment Speed Assumption ("PSA"), is the standard prepayment assumption model of The Securities Industry and Financial Markets Association. PSA represents an assumed rate of prepayment each month relative to the then outstanding principal balance of the Mortgage Loans to which the model is applied. See "Yield, Maturity and Prepayment Considerations — Standard Prepayment Assumption Models" in the Base Offering Circular.

The decrement tables set forth below are based on the assumption that the Mortgage Loans prepay at the indicated percentages of PSA (the "PSA Prepayment Assumption Rates"). As used in the tables, each of the PSA Prepayment Assumption Rates reflects a percentage of the 100% PSA assumed prepayment rate. The Mortgage Loans will not prepay at any of the PSA Prepayment Assumption Rates, and the timing of changes in the rate of prepayments actually experienced on the Mortgage Loans will not follow the pattern described for the PSA 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 assumption that the related Mortgage Loans prepay at the PSA Prepayment Assumption Rates. 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 PSA Prepayment Assumption Rate. 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 balance, 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 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.

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 Mortgage Loans underlying the related Trust Assets and the Modeling Assumptions.

# Percentages of Original Class Principal (or Class Notional) Balances and Weighted Average Lives

Security Group 1 PSA Prepayment Assumption Rates

			Cla	ss AB		Class AY Class FA												
Distribution Date	0%	100%	400%	680%	1,050%	1,400%	0%	100%	400%	680%	1,050%	1,400%	0%	100%	400%	680%	1,050%	1,400%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
August 2025	99	97	91	86	78	71	100	100	100	100	100	100	99	97	92	87	81	75
August 2026	98	91	73	57	38	21	100	100	100	100	100	100	98	92	76	62	45	31
August 2027	97	84	52	28	5	0	100	100	100	100	100	43	98	86	58	37	17	5
August 2028	96	77	35	11	0	0	100	100	100	100	51	7	97	80	43	22	6	1
August 2029	95	70	23	0	0	0	100	100	100	100	18	1	95	74	32	13	2	0
August 2030	94	64	14	0	0	0	100	100	100	60	7	0	94	69	24	7	1	0
August 2031	92	58	7	0	0	0	100	100	100	35	2	0	93	63	18	4	0	0
August 2032	91	53	1	0	0	0	100	100	100	20	1	0	92	59	14	2	0	0
August 2033	89	47	0	0	0	0	100	100	82	12	0	0	90	54	10	1	0	0
August 2034	87	43	0	0	0	0	100	100	61	7	0	0	89	50	8	1	0	0
August 2035	85	38	0	0	0	0	100	100	45	4	0	0	87	46	6	0	0	0
August 2036	83	34	0	0	0	0	100	100	34	2	0	0	85	42	4	0	0	0
August 2037	80	29	0	0	0	0	100	100	25	1	0	0	83	38	3	0	0	0
August 2038	78	25	0	0	0	0	100	100	18	1	0	0	81	35	2	0	0	0
August 2039	75	22	0	0	0	0	100	100	13	0	0	0	78	31	2	0	0	0
August 2040	72	18	0	0	0	0	100	100	10	0	0	0	75	28	1	0	0	0
August 2041	69	15	0	0	0	0	100	100	7	0	0	0	72	25	1	0	0	0
August 2042	65	12	0	0	0	0	100	100	5	0	0	0	69	23	1	0	0	0
August 2043	61	9	0	0	0	0	100	100	4	0	0	0	66	20	0	0	0	0
August 2044	57	6	0	0	0	0	100	100	3	0	0	0	62	18	0	0	0	0
August 2045	52	4	0	0	0	0	100	100	2	0	0	0	58	15	0	0	0	0
August 2046	47	1	0	0	0	0	100	100	1	0	0	0	53	13	0	0	0	0
August 2047	41	0	0	0	0	0	100	91	1	0	0	0	49	11	0	0	0	0
August 2048	35	0	0	0	0	0	100	75	1	0	0	0	43	9	0	0	0	0
August 2049	29	0	0	0	0	0	100	59	0	0	0	0	37	7	0	0	0	0
August 2050	22	0	0	0	0	0	100	45	0	0	0	0	31	6	0	0	0	0
August 2051	14	0	0	0	0	0	100	31	0	0	0	0	24	4	0	0	0	0
August 2052	5	0	0	0	0	0	100	18	0	0	0	0	17	2	0	0	0	0
August 2053	0	0	0	0	0	0	72	6	0	0	0	0	9	1	0	0	0	0
August 2054	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	19.6	9.5	3.5	2.3	1.7	1.4	29.3	25.8	11.6	6.9	4.3	3.1	20.8	11.5	4.5	2.9	2.0	1.6

PSA Prepayment Assumption Rates

					FSA	rrepayment 2	assumption	1 Kates				
			Classes F0	C, SC and	TA				Cla	iss SA		
Distribution Date	0%	100%	400%	680%	1,050%	1,400%	0%	100%	400%	680%	1,050%	1,400%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100
August 2025	99	97	92	87	81	75	99	97	92	87	81	75
August 2026	98	92	76	62	45	31	98	92	76	62	45	31
August 2027	98	86	58	37	17	5	98	86	58	37	17	5
August 2028	97	80	43	22	6	1	97	80	43	22	6	1
August 2029	95	74	32	13	2	0	95	74	32	13	2	0
August 2030	94	69	24	7	1	0	94	69	24	7	1	0
August 2031	93	63	18	4	0	0	93	63	18	4	0	0
August 2032	92	59	14	2	0	0	92	59	14	2	0	0
August 2033	90	54	10	1	0	0	90	54	10	1	0	0
August 2034	89	50	8	1	0	0	89	50	8	1	0	0
August 2035	87	46	6	0	0	0	87	46	6	0	0	0
August 2036	85	42	4	0	0	0	85	42	4	0	0	0
August 2037	83	38	3	0	0	0	83	38	3	0	0	0
August 2038	81	35	2	0	0	0	81	35	2	0	0	0
August 2039	78	31	2	0	0	0	78	31	2	0	0	0
August 2040	75	28	1	0	0	0	75	28	1	0	0	0
August 2041	72	25	1	0	0	0	72	25	1	0	0	0
August 2042	69	23	1	0	0	0	69	23	1	0	0	0
August 2043	66	20	0	0	0	0	66	20	0	0	0	0
August 2044	62	18	0	0	0	0	62	18	0	0	0	0
August 2045	58	15	0	0	0	0	58	15	0	0	0	0
August 2046	53	13	0	0	0	0	53	13	0	0	0	0
August 2047	49	11	0	0	0	0	49	11	0	0	0	0
August 2048	43	9	0	0	0	0	43	9	0	0	0	0
August 2049	37	7	0	0	0	0	37	7	0	0	0	0
August 2050	31	6	0	0	0	0	31	6	0	0	0	0
August 2051	24	4	0	0	0	0	24	4	0	0	0	0
August 2052	17	2	0	0	0	0	17	2	0	0	0	0
August 2053	9	1	0	0	0	0	9	1	0	0	0	0
August 2054	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average												
Life (years)	20.8	11.5	4.5	2.9	2.0	1.6	20.8	11.5	4.5	2.9	2.0	1.6

Security Group 2 PSA Prepayment Assumption Rates

			Classes	s FB and SB		
Distribution Date	0%	100%	400%	700%	1,050%	1,400%
Initial Percent	100	100	100	100	100	100
August 2025	99	98	93	89	83	78
August 2026	99	93	78	64	48	34
August 2027	98	87	59	37	18	6
August 2028	97	80	44	21	7	1
August 2029	96	75	33	12	2	0
August 2030	95	69	25	7	1	0
August 2031	94	64	19	4	0	0
August 2032	92	59	14	2	0	0
August 2033	91	55	10	1	0	0
August 2034	89	50	8	1	0	0
August 2035	88	46	6	0	0	0
August 2036	86	42	4	0	0	0
August 2037	84	39	3	0	0	0
August 2038	82	35	2	0	0	0
August 2039	79	32	2	0	0	0
August 2040	77	29	1	0	0	0
August 2041	74	26	1	0	0	0
August 2042	71	23	1	0	0	0
August 2043	67	21	0	0	0	0
August 2044	64	18	0	0	0	0
August 2045	59	16	0	0	0	0
August 2046	55	14	0	0	0	0
August 2047	50	12	0	0	0	0
August 2048	45	10	0	0	0	0
August 2049	39	8	0	0	0	0
August 2050	32	6	0	0	0	0
August 2051	25	4	0	0	0	0
August 2052	18	3	0	0	0	0
August 2053	9	1	0	0	0	0
August 2054	0	0	0	0	0	0
Weighted Average						
Life (years)	21.0	11.7	4.6	2.9	2.1	1.7

Security Group 3
PSA Prepayment Assumption Rates

•			Cla	ss JA			Class JC				Classes JF, JS and JT						Class JL							
Distribution Date	0%	100%	350%	580%	900%	1,200%	0%	100%	350%	580%	900%	1,200%	0%	100%	350%	580%	900%	1,200%	0%	100%	350%	580%	900% 1	,200%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
August 2025	99	96	91	85	78	71	99	96	91	85	78	71	99	98	94	90	85	81	100	100	100	100	100	100
August 2026	97	89	70	53	31	12	97	89	70	53	31	12	98	93	80	69	55	42	100	100	100	100	100	100
August 2027	96	79	44	16	0	0	96	79	44	16	0	0	97	86	63	45	26	12	100	100	100	100	75	36
August 2028	94	70	23	0	0	0	94	70	23	0	0	0	96	80	49	29	12	3	100	100	100	85	34	10
August 2029	92	61	6	0	0	0	92	61	6	0	0	0	95	74	38	19	5	1	100	100	100	54	15	3
August 2030	91	52	0	0	0	0	91	52	0	0	0	0	94	69	30	12	2	0	100	100	87	35	7	1
August 2031	89	44	0	0	0	0	89	44	0	0	0	0	92	63	23	8	1	0	100	100	67	22	3	0
August 2032	86	37	0	0	0	0	86	37	0	0	0	0	91	59	18	5	0	0	100	100	52	14	1	0
August 2033	84	30	0	0	0	0	84	30	0	0	0	0	89	54	14	3	0	0	100	100	40	9	1	0
August 2034	81	23	0	0	0	0	81	23	0	0	0	0	88	50	11	2	0	0	100	100	31	6	0	0
August 2035	78	17	0	0	0	0	78	17	0	0	0	0	86	46	8	1	0	0	100	100	24	4	0	0
August 2036	75	11	0	0	0	0	75	11	0	0	0	0	84	42	6	1	0	0	100	100	19	2	0	0
August 2037	72	6	0	0	0	0	72	6	0	0	0	0	82	38	5	1	0	0	100	100	14	1	0	0
August 2038	69	0	0	0	0	0	69	0	0	0	0	0	79	35	4	0	0	0	100	100	11	1	0	0
August 2039	65	0	0	0	0	0	65	0	0	0	0	0	77	31	3	0	0	0	100	91	8	1	0	0
August 2040	60	0	0	0	0	0	60	0	0	0	0	0	74	28	2	0	0	0	100	83	6	0	0	0
August 2041	56	0	0	0	0	0	56	0	0	0		0	71	25	2	0	0	0	100	74	5	0	0	0
August 2042	51	0	0	0	0	0	51	0	0	0	0	0	68	23	1	0	0	0	100	66	4	0	0	0
August 2043	46	0	0	0	0	0	46	0	0	0		0	64	20	1	0	0	0	100	59	3	0	0	0
August 2044	40	0	0	0	0	0	40	0	0	0		0	60	18	1	0	0	0	100	52	2	0	0	0
August 2045	34	0	0	0	0	0	34	0	0	0		0	56		0	0	0	0	100	45	1	0	0	0
August 2046		0	0	0	0	0	27	0	0	0		0	52	13	0		0	0	100	39	1	0	0	0
August 2047	19	0	0	0	0	0	19	0	0	0		0	47	11	0		0	0	100	33	1	0	0	0
August 2048		0	0	0	0	0	12	0	0	0		0	42	9	0		0	0	100	27	1	0	0	0
August 2049	3	0	0	0	0	0	3	0	0	0	0	0	36	8	0		0	0	100	22	0	0	0	0
August 2050	0	0	0	0	0	0	0		0	0	0	0	30	6			0	0	88	17	0	0	0	0
August 2051	0	0	0	0	0	0	0	0	0	0	0	0	23	4	0		0	0	68	12	0	0	0	0
August 2052	0	0	0	0	0	0	0	0	0	0		0	16		0		0	0	47	8	0	0	0	0
August 2053	0	0	0	0	0		0		0	0		0	8		0		0	0	25	3	0	0	0	0
August 2054	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average					_						_													
Life (years)	16.7	6.7	2.8	2.0	1.6	1.3	16.7	6.7	2.8	2.0	1.6	1.3	20.5	11.5	5.0	3.4	2.4	1.9	27.8	20.8	9.3	5.9	3.9	3.0

Security Group 3 PSA Prepayment Assumption Rates

			Clas	ss JV			Class JY				Class JZ						Class VJ							
Distribution Date	0%	100%	350%	580%	900%	1,200%	0%	100%	350%	580%	900%	1,200%	0%	100%	350%	580%	900%	1,200%	0%	100%	350%	580%	900%	1,200%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
August 2025	93	93	93	93	93	93	100	100	100	100	100	100	105	105	105	105	105	105	93	93	93	93	93	93
August 2026	86	86	86	86	86	86	100	100	100	100	100	100	110	110	110	110	110	110	86	86	86	86	86	86
August 2027	78	78	78	78	18	0	100	100	100	100	75	36	116	116		116	116	62	78	78	78	78	18	0
August 2028	70	70	70	33	0	0	100	100	100	85	34	10	122	122	122	122	59	17	70	70	70	33	0	0
August 2029	61	61	61	0	0	0	100	100	100	54	15	3	128	128	128	94	27	5	61	61	61	0	0	0
August 2030	52	52	21	0	0	0	100	100	87	35	7	1	135	135	135	60	12	1	52	52	21	0	0	0
August 2031	43	43	0	0	0	0	100	100	67	22	3	0	142	142	116	39	5	0	43	43	0	0	0	0
August 2032	33	33	0	0	0	0	100	100	52	14	1	0	149	149	90	25	2	0	33	33	0	0	0	0
August 2033	22	22	0	0	0	0	100	100	40	9	1	0	157	157	70	16	1	0	22	22	0	0	0	0
August 2034	11	11	0	0	0	0	100	100	31	6	0	0	165	165	54	10	0	0	11	11	0	0	0	0
August 2035	0	0	0	0	0	0	100	100	24	4	0	0	173	173	42	6	0	0	0	0	0	0	0	0
August 2036	0	0	0	0	0	0	100	100	19	2	0	0	173	173	32	4	0	0	0	0	0	0	0	0
August 2037	0	0	0	0	0	0	100	100	14	1	0	0	173	173	25	3	0	0	0	0	0	0	0	0
August 2038	0	0	0	0	0	0	100	100	11	1	0	0	173	173	19	2	0	0	0	0	0	0	0	0
August 2039	0	0	0	0	0	0	100	91	8	1	0	0	173	158	14	1	0	0	0	0	0	0	0	0
August 2040	0	0	0	0	0	0	100	83	6	0	0	0	173	143	11	1	0	0	0	0	0	0	0	0
August 2041	0	0	0	0	0	0	100	74	5	0	0	0	173	128	8	0	0	0	0	0	0	0	0	0
August 2042	0	0	0	0	0	0	100	66	4	0	0	0	173	115	6	0	0	0	0	0	0	0	0	0
August 2043	0	0	0	0	0	0	100	59	3	0	0	0	173	102	5	0	0	0	0	0	0	0	0	0
August 2044	0	0	0	0	0	0	100	52	2	0	0	0	173	89	3	0	0	0	0	0	0	0	0	0
August 2045	0	0	0	0	0	0	100	45	1	0	0	0	173	78	2	0	0	0	0	0	0	0	0	0
August 2046	0	0	0	0	0	0	100	39	1	0	0	0	173	67	2	0	0	0	0	0	0	0	0	0
August 2047	0	0	0	0	0	0	100	33	1	0	0	0	173	57	1	0	0	0	0	0	0	0	0	0
August 2048	0	0	0	0	0	0	100	27	1	0	0	0	173	47	1	0	0	0	0	0	0	0	0	0
August 2049	0	0	0	0	0	0	100	22	0	0	0	0	173	38	1	0	0	0	0	0	0	0	0	0
August 2050	0	0	0	0	0	0	88	17	0	0	0	0	151	29	0	0	0	0	0	0	0	0	0	0
August 2051	0	0	0	0	0	0	68	12	0	0	0	0	118	21	0	0	0	0	0	0	0	0	0	0
August 2052	0	0	0	0	0	0	47	8	0	0	0	0	82	13	0	0	0	0	0	0	0	0	0	0
August 2053	0	0	0	0	0	0	25	3	0	0	0	0	43	6		0	0	0	0	0	0	0	0	0
August 2054	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average				_ /																		_ ,	- /	
Life (years)	6.0	6.0	4.6	3.4	2.6	2.2	27.8	20.8	9.3	5.9	3.9	3.0	27.8	20.8	10.2	6.6	4.4	3.3	6.0	6.0	4.6	3.4	2.6	2.2

PSA Prepayment Assumption Rates

			Cla	ass Z			Class ZJ					
Distribution Date	0%	100%	350%	580%	900%	1,200%	0%	100%	350%	580%	900%	1,200%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100
August 2025	105	105	105	105	105	105	105	105	105	105	105	105
August 2026	110	110	110	110	110	110	110	110	110	110	110	110
August 2027	116	116	116	116	116	62	116	116	116	116	116	62
August 2028	122	122	122	122	59	17	122	122	122	122	59	17
August 2029	128	128	128	94	27	5	128	128	128	94	27	5
August 2030	135	135	135	60	12	1	135	135	135	60	12	1
August 2031	142	142	116	39	5	0	142	142	116	39	5	0
August 2032	149	149	90	25	2	0	149	149	90	25	2	0
August 2033	157	157	70	16	1	0	157	157	70	16	1	0
August 2034	165	165	54	10	0	0	165	165	54	10	0	0
August 2035	173	173	42	6	0	0	173	173	42	6	0	0
August 2036	173	173	32	4	0	0	173	173	32	4	0	0
August 2037	173	173	25	3	0	0	173	173	25	3	0	0
August 2038	173	173	19	2	0	0	173	173	19	2	0	0
August 2039	173	158	14	1	0	0	173	158	14	1	0	0
August 2040	173	143	11	1	0	0	173	143	11	1	0	0
August 2041	173	128	8	0	0	0	173	128	8	0	0	0
August 2042	173	115	6	0	0	0	173	115	6	0	0	0
August 2043	173	102	5	0	0	0	173	102	5	0	0	0
August 2044	173	89	3	0	0	0	173	89	3	0	0	0
August 2045	173	78	2	0	0	0	173	78	2	0	0	0
August 2046	173	67	2	0	0	0	173	67	2	0	0	0
August 2047	173	57	1	0	0	0	173	57	1	0	0	0
August 2048	173	47	1	0	0	0	173	47	1	0	0	0
August 2049	173	38	1	0	0	0	173	38	1	0	0	0
August 2050	151	29	0	0	0	0	151	29	0	0	0	0
August 2051	118	21	0	0	0	0	118	21	0	0	0	0
August 2052	82	13	0	0	0	0	82	13	0	0	0	0
August 2053	43	6	0	0	0	0	43	6	0	0	0	0
August 2054	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average												
Life (years)	27.8	20.8	10.2	6.6	4.4	3.3	27.8	20.8	10.2	6.6	4.4	3.3

Security Group 4
PSA Prepayment Assumption Rates

			Class BC					Class ZB		
Distribution Date	0%	100%	350%	550%	700%	0%	100%	350%	550%	700%
Initial Percent	100	100	100	100	100	100	100	100	100	100
August 2025	98	96	92	88	86	106	106	106	106	106
August 2026	96	89	75	64	56	113	113	113	113	113
August 2027	94	81	54	36	24	120	120	120	120	120
August 2028	91	72	37	16	5	127	127	127	127	127
August 2029	88	64	23	3	0	135	135	135	135	91
August 2030	86	57	12	0	0	143	143	143	102	52
August 2031	83	49	3	0	0	152	152	152	67	30
August 2032	79	42	0	0	0	161	161	134	44	17
August 2033	76	35	0	0	0	171	171	104	29	10
August 2034	72	29	0	0	0	182	182	80	19	5
August 2035	68	22	0	0	0	193	193	61	12	3
August 2036	64	16	0	0	0	205	205	47	8	2
August 2037	60	10	0	0	0	218	218	36	5	1
August 2038	55	4	0	0	0	231	231	28	3	1
August 2039	50	0	0	0	0	245	231	21	2	0
August 2040	44	0	0	0	0	261	208	16	1	0
August 2041	38	0	0	0	0	277	186	12	1	0
August 2042	32	0	0	0	0	294	166	9	1	0
August 2043	25	0	0	0	0	312	147	7	0	0
August 2044	17	0	0	0	0	331	129	5	0	0
August 2045	10	0	0	0	0	351	112	4	0	0
August 2046	1	0	0	0	0	373	96	3	0	0
August 2047	0	0	0	0	0	345	81	2	0	0
August 2048	0	0	0	0	0	306	66	1	0	0
August 2049	0	0	0	0	0	264	53	1	0	0
August 2050	0	0	0	0	0	219	40	1	0	0
August 2051	0	0	0	0	0	170	29	0	0	0
August 2052	0	0	0	0	0	118	17	0	0	0
August 2053	0	0	0	0	0	61	7	0	0	0
August 2054	0	0	0	0	0	0	0	0	0	0
Weighted Average										
Life (years)	13.8	7.2	3.5	2.6	2.2	26.5	21.1	11.2	7.7	6.2

Security Group 5 PSA Prepayment Assumption Rates

			Cla	ss KA			C	Classes KY, MC, MD, ME, MG, MH, MI and MJ							
Distribution Date	0%	100%	300%	500%	750%	1,000%	0%	100%	300%	500%	750%	1,000%			
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100			
August 2025	99	97	93	89	83	78	100	100	100	100	100	100			
August 2026	97	90	76	63	48	33	100	100	100	100	100	100			
August 2027	96	81	56	34	11	0	100	100	100	100	100	81			
August 2028	94	73	39	13	0	0	100	100	100	100	73	32			
August 2029	93	65	25	0	0	0	100	100	100	95	39	13			
August 2030	91	57	13	0	0	0	100	100	100	66	21	5			
August 2031	89	50	4	0	0	0	100	100	100	45	11	2			
August 2032	87	44	0	0	0	0	100	100	90	31	6	1			
August 2033	85	38	0	0	0	0	100	100	73	21	3	0			
August 2034	82	32	0	0	0	0	100	100	58	15	2	0			
August 2035	80	26	Ŏ	Ŏ	Õ	Ö	100	100	46	10	1	Õ			
August 2036	77	21	0	0	0	0	100	100	37	7	1	0			
August 2037	74	16	0	0	0	0	100	100	29	5	0	0			
August 2038	71	12	Ŏ	Ŏ	Ŏ	Õ	100	100	23	3	Ŏ	Õ			
August 2039	67	7	0	0	0	0	100	100	18	2	0	0			
August 2040	63	3	0	0	0	Õ	100	100	15	1	0	Õ			
August 2041	59	Ő	Ö	Õ	Ŏ	Ŏ	100	98	11	ī	Ŏ	Õ			
August 2042	55	0	0	0	0	0	100	88	9	1	0	0			
August 2043	50	0	0	0	0	Õ	100	78	Ź	0	0	Õ			
August 2044	45	Õ	Ŏ	Õ	Ŏ	Ŏ	100	68	5	Õ	Ŏ	Õ			
August 2045	39	0	0	0	0	Õ	100	60	4	0	0	Õ			
August 2046	34	0	0	Õ	0	Ŏ	100	51	3	0	Õ	Õ			
August 2047	27	Ŏ	ő	Ŏ	Ő	ŏ	100	43	2	Ŏ	Ő	ŏ			
August 2048	20	0	0	0	0	Õ	100	36	2	0	0	Õ			
August 2049	13	0	0	0	0	Õ	100	29	1	0	Õ	Õ			
August 2050	5	Ŏ	ő	Ŏ	Õ	ŏ	100	22	1	Ŏ	Ő	ŏ			
August 2051	Ó	0	0	0	0	Ŏ	89	16	0	0	0	Õ			
August 2052	Õ	0	0	0	0	Õ	61	10	0	0	0	Õ			
August 2053	Ŏ	Ŏ	ő	Ŏ	Ŏ	ŏ	32	5	ő	Ŏ	Ŏ	ŏ			
August 2054	ő	Ŏ	Õ	Ő	Ő	ŏ	0	ó	ő	Ő	Õ	ŏ			
Weighted Average	~	~	~	~	~	~	9	9	,	9	~	0			
Life (years)	17.4	7.6	3.6	2.5	1.9	1.6	28.4	22.6	11.9	7.5	5.1	3.9			

Security Group 6 PSA Prepayment Assumption Rates

	Classe	es B, BD, E	E, BG, BI,	BW, BX a	nd XB		Class BZ						
Distribution Date	0%	100%	280%	450%	600%	0%	100%	280%	450%	600%			
Initial Percent	100	100	100	100	100	100	100	100	100	100			
August 2025	95	92	88	83	80	106	106	106	106	106			
August 2026	91	81	66	53	41	112	112	112	112	112			
August 2027	86	68	41	19	2	118	118	118	118	118			
August 2028	80	54	19	0	0	125	125	125	110	76			
August 2029	74	41	0	0	0	132	132	131	79	48			
August 2030	68	29	0	0	0	139	139	107	57	30			
August 2031	62	17	0	0	0	147	147	87	40	19			
August 2032	55	5	0	0	0	155	155	71	29	12			
August 2033	47	0	0	0	0	164	150	57	21	7			
August 2034	40	0	0	0	0	173	138	46	15	5			
August 2035	31	0	0	0	0	183	126	38	10	3			
August 2036	23	0	0	0	0	193	114	30	7	2			
August 2037	13	0	0	0	0	204	104	24	5	1			
August 2038	3	0	0	0	0	216	94	19	4	1			
August 2039	0	0	0	0	0	214	85	16	3	0			
August 2040	0	0	0	0	0	206	76	12	2	0			
August 2041	0	0	0	0	0	197	68	10	1	0			
August 2042	0	0	0	0	0	187	60	8	1	0			
August 2043	0	0	0	0	0	177	53	6	1	0			
August 2044	0	0	0	0	0	166	46	5	0	0			
August 2045	0	0	0	0	0	154	40	3	0	0			
August 2046	0	0	0	0	0	141	34	3	0	0			
August 2047	0	0	0	0	0	128	28	2	0	0			
August 2048	0	0	0	0	0	113	23	1	0	0			
August 2049	0	0	0	0	0	97	18	1	0	0			
August 2050	0	0	0	0	0	80	13	1	0	0			
August 2051	0	0	0	0	0	62	9	0	0	0			
August 2052	0	0	0	0	0	43	4	0	0	0			
August 2053	0	0	0	0	0	22	1	0	0	0			
August 2054	0	0	0	0	0	0	0	0	0	0			
Weighted Average													
Life (years)	8.2	4.4	2.7	2.0	1.8	23.6	16.6	9.7	6.7	5.2			

Security Group 7 PSA Prepayment Assumption Rates

	Cla	sses FH	i, FJ, FN	i, SJ and	l TJ	Cla	Classes HA, HC, HD, HE, HG and HI					Class HB					Classes HF and HS				
Distribution Date	0%	100%	350%	550%	700%	0%	100%	350%	550%	700%	0%	100%	350%	550%	700%	0%	100%	350%	550%	700%	
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
August 2025	99	97	94	91	88	99	97	92	89	86	100	100	100	100	100	99	97	94	91	88	
August 2026	98	92	80	70	63	98	91	75	64	55	100	100	100	100	100	98	92	80	70	63	
August 2027	97	86	63	47	37	96	83	54	35	23	100	100	100	100	100	97	86	63	47	37	
August 2028	96	80	49	31	21	95	75	37	16	4	100	100	100	100	100	96	80	49	31	21	
August 2029	95	74	38	21	12	93	68	24	3	0	100	100	100	100	54	95	74	38	21	12	
August 2030	93	68	30	14	7	92	61	14	0	0	100	100	100	65	15	93	68	30	14	7	
August 2031	92	63	23	9	4	90	55	6	0	0	100	100	100	30	0	92	63	23	9	4	
August 2032	90	58	18	6	2	88	49	0	0	0	100	100	97	7	0	90	58	18	6	2	
August 2033	89	53	14	4	1	86	43	0	0	0	100	100	66	0	0	89	53	14	4	1	
August 2034	87	49	11	3	1	84	38	0	0	0	100	100	43	0	0	87	49	11	3	1	
August 2035	85	45	8	2	0	81	33	0	0	0	100	100	24	0	0	85	45	8	2	0	
August 2036	83	41	6	1	0	79	28	0	0	0	100	100	10	0	0	83	41	6	1	0	
August 2037	80	37	5	1	0	76	23	0	0	0	100	100	0	0	0	80	37	5	1	0	
August 2038	78	34	4	0	0	73	19	0	0	0	100	100	0	0	0	78	34	4	0	0	
August 2039	75	31	3	0	0	70	15	0	0	0	100	100	0	0	0	75	31	3	0	0	
August 2040	73	28	2	0	0	67	12	0	0	0	100	100	0	0	0	73	28	2	0	0	
August 2041	70	25	2	0	0	63	8	0	0	0	100	100	0	0	0	70	25	2	0	0	
August 2042	66	22	1	0	0	59	5	0	0	0	100	100	0	0	0	66	22	1	0	0	
August 2043	63	20	1	0	0	54	2	0	0	0	100	100	0	0	0	63	20	1	0	0	
August 2044	59	17	1	0	0	50	0	0	0	0	100	92	0	0	0	59	17	1	0	0	
August 2045	55	15	0	0	0	45	0	0	0	0	100	75	0	0	0	55	15	0	0	0	
August 2046	50	13	0	0	0	39	0	0	0	0	100	59	0	0	0	50	13	0	0	0	
August 2047	46	11	0	0	0	33	0	0	0	0	100	44	0	0	0	46	11	0	0	0	
August 2048	40	9	0	0	0	27	0	0	0	0	100	30	0	0	0	40	9	0	0	0	
August 2049	35	7	0	0	0	20	0	0	0	0	100	17	0	0	0	35	7	0	0	0	
August 2050	29	5	0	0	0	13	0	0	0	0	100	4	0	0	0	29	5	0	0	0	
August 2051	22	4	0	0	0	5	0	0	0	0	100	0	0	0	0	22	4	0	0	0	
August 2052	16	2	0	0	0	0	0	0	0	0	80	0	0	0	0	16	2	0	0	0	
August 2053	8	1	0	0	0	0	0	0	0	0	24	0	0	0	0	8	1	0	0	0	
August 2054	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Weighted Average																					
Life (years)	20.2	11.4	5.0	3.5	2.9	18.3	8.5	3.5	2.6	2.2	28.5	22.7	9.9	6.5	5.2	20.2	11.4	5.0	3.5	2.9	

Security Group 7
PSA Prepayment Assumption Rates

	Classes HJ, HK, HM, HN, HP and IH						Class HL					Classes NA, NB, NC, ND, NE and NI					Class HY					
Distribution Date	0%	100%	350%	550%	700%	0%	100%	350%	550%	700%	0%	100%	350%	550%	700%	0%	100%	350%	550%	700%		
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100		
August 2025	99	97	93	90	88	100	100	100	100	100	99	97	94	91	88	100	100	100	100	100		
August 2026	98	92	79	69	61	100	100	100	100	100	98	92	80	70	63	100	100	100	100	100		
August 2027	97	85	61	44	34	100	100	100	100	100	97	86	63	47	37	100	100	100	100	100		
August 2028	96	79	46	28	17	100	100	100	100	100	96	80	49	31	21	100	100	100	100	100		
August 2029	94	72	35	16	8	100	100	100	100	100	95	74	38	21	12	100	100	100	100	66		
August 2030	93	67	26	9	2	100	100	100	100	100	93	68	30	14	7	100	100	100	74	38		
August 2031	91	61	19	4	0	100	100	100	100	80	92	63	23	9	4	100	100	100	49	22		
August 2032	90	56	13	1	0	100	100	100	100	45	90	58	18	6	2	100	100	97	32	12		
August 2033	88	51	9	0	0	100	100	100	78	26	89	53	14	4	1	100	100	75	21	7		
August 2034	86	46	6	0	0	100	100	100	51	15	87	49	11	3	1	100	100	58	14	4		
August 2035	84	42	3	0	0	100	100	100	33	8	85	45	8	2	0	100	100	45	9	2		
August 2036	82	38	1	0	0	100	100	100	22	5	83	41	6	1	0	100	100	34	6	1		
August 2037	79	34	0	0	0	100	100	97	14	3	80	37	5	1	0	100	100	26	4	1		
August 2038	77	30	0	0	0	100	100	74	9	1	78	34	4	0	0	100	100	20	2	0		
August 2039	74	27	0	0	0	100	100	56	6	1	75	31	3	0	0	100	100	15	2	0		
August 2040	71	24	0	0	0	100	100	43	4	0	73	28	2	0	0	100	100	12	1	0		
August 2041	68	21	0	0	0	100	100	32	2	0	70	25	2	0	0	100	100	9	1	0		
August 2042	65	18	0	0	0	100	100	24	2	0	66	22	1	0	0	100	100	7	0	0		
August 2043	61	15	0	0	0	100	100	18	1	0	63	20	1	0	0	100	100	5	0	0		
August 2044	57	13	0	0	0	100	100	13	1	0	59	17	1	0	0	100	94	4	0	0		
August 2045	52	11	0	0	0	100	100	10	0	0	55	15	0	0	0	100	82	3	0	0		
August 2046	48	8	0	0	0	100	100	7	0	0	50	13	0	0	0	100	70	2	0	0		
August 2047	43	6	0	0	0	100	100	5	0	0	46	11	0	0	0	100	59	1	0	0		
August 2048	37	4	0	0	0	100	100	3	0	0	40	9	0	0	0	100	49	1	0	0		
August 2049	32	2	0	0	0	100	100	2	0	0	35	7	0	0	0	100	39	1	0	0		
August 2050	25	1	0	0	0	100	100	1	0	0	29	5	0	0	0	100	30	0	0	0		
August 2051	18	0	0	0	0	100	79	1	0	0	22	4	0	0	0	100	21	0	0	0		
August 2052	11	0	0	0	0	100	49	0	0	0	16	2	0	0	0	85	13	0	0	0		
August 2053	3	0	0	0	0	100	20	0	0	0	8	1	0	0	0	44	6	0	0	0		
August 2054	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Weighted Average Life (years)	19.7	10.5	4.4	3.1	2.6	29.7	28.0	16.4	10.8	8.4	20.2	11.4	5.0	3.5	2.9	28.9	24.2	11.7	7.7	6.1		

Security Group 8 PSA Prepayment Assumption Rates

	Classes CF, CS and TC											
Distribution Date	0%	100%	400%	700%	1,050%	1,400%						
Initial Percent	100	100	100	100	100	100						
August 2025	99	96	87	77	66	55						
August 2026	99	90	67	48	28	13						
August 2027	98	84	51	27	10	2						
August 2028	97	78	38	16	4	0						
August 2029	96	72	29	9	1	0						
August 2030	95	67	21	5	1	C						
August 2031	94	62	16	3 2	0	0						
August 2032	92	57	12	2	0	C						
August 2033	91	53	9	1	0	C						
August 2034	89	49	7	1	0	C						
August 2035	88	45	5	0	0	C						
August 2036	86	41	4	0	0	C						
August 2037	84	37	3	0	0	C						
August 2038	82	34	2	0	0	C						
August 2039	79	31	1	0	0	C						
August 2040	77	28	1	0	0	C						
August 2041	74	25	1	0	0	C						
August 2042	71	22	1	0	0	C						
August 2043	67	20	0	0	0	C						
August 2044	64	18	0	0	0	C						
August 2045	59	15	0	0	0	C						
August 2046	55	13	0	0	0	C						
August 2047	50	11	0	0	0	C						
August 2048	45	9	0	0	0	C						
August 2049	39	7	0	0	0	C						
August 2050	32	5	0	0	0	C						
August 2051	25	4	0	0	0	C						
August 2052	18	2	0	0	0	C						
August 2053	9	0	Ŏ	Õ	Ö	Č						
August 2054	Ó	0	0	0	0	(						
Weighted Average												
Life (years)	21.0	11.3	4.1	2.4	1.6	1.2						

Security Group 9 PSA Prepayment Assumption Rates

		Class	es AF a	nd AS			Class	es BF a	nd BS		Class	es F, FV	, s, <b>TV</b> ,	TW an	d VF	Clas		LK, LN, and LU	LP, LQ	, LT
Distribution Date	0%	100%	137%	250%	400%	0%	100%	137%	250%	400%	0%	100%	137%	250%	400%	0%	100%	137%	250%	400%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
August 2025	99	97	97	95	93	99	97	97	95	93	99	97	97	95	93	99	97	97	95	93
August 2026	98	92	91	85	77	98	92	91	85	77	98	92	91	85	77	98	92	90	84	76
August 2027	97	86	82	72	59	97	86	82	72	59	97	86	82	72	59	97	85	81	70	57
August 2028	96	80	74	60	44	96	80	74	60	44	96	80	74	60	44	96	79	73	58	41
August 2029	95	74	67	50	33	95	74	67	50	33	95	74	67	50	33	94	73	66	48	30
August 2030	93	68	61	42	25	93	68	61	42	25	93	68	61	42	25	93	67	59	39	21
August 2031	92	63	55	35	18	92	63	55	35	18	92	63	55	35	18	91	61	53	32	15
August 2032	90	58	49	29	14	90	58	49	29	14	90	58	49	29	14	90	56	47	26	10
August 2033	89	53	44	24	10	89	53	44	24	10	89	53	44	24	10	88	51	42	21	6
August 2034	87	49	40	20	8	87	49	40	20	8	87	49	40	20	8	86	47	37	17	3
August 2035	85	45	35	17	6	85	45	35	17	6	85	45	35	17	6	84	42	33	13	1
August 2036	83	41	32	14	4	83	41	32	14	4	83	41	32	14	4	82	38	29	10	0
August 2037	80	37	28	11	3	80	37	28	11	3	80	37	28	11	3	80	35	25	_	0
August 2038	78	34	25	9	2	78	34	25	9	2	78	34	25	9	2	77	31	22	2	0
August 2039	75	31	22	8	2	75	31	22	8	2	75	31	22	8	2	74	28	19	4	0
August 2040	73	28	19	0	1	73	28	19	0	1	73	28	19	6	1	71	24	16	2	0
August 2041	70	25 22	17	2	1	70 66	25 22	17	2	1	70	25 22	17	2	1	68	21	13	1	0
August 2042	66	20	15 13	4	1	63	20	15 13	4	0	66	20	15 13	4	0	65 61	19 16	11 9	0	0
August 2043	63 59	17	11	2	0	59	17	11	3	0	63 59	17	13	3	0	57	14	9	0	0
August 2045	55	15	9	2	0	55	15	9	2	0	55	15	9	2	0	53	11	_	0	0
August 2046	50	13	9	2	0	50	13	8	2	0	50	13	8	2	0	48	9	<i>y</i>	0	0
August 2047	46	11	6	1	0	46	11	6	1	0	46	11	6	1	0	43	7	2	0	0
August 2048	40	9	5	1	0	40	9	5	1	0	40	9	5	1	0	38	5	1	0	0
August 2049	35	7	4	1	0	35	7	4	1	0	35	7	4	1	0	32	3	0	0	0
August 2050	29	5	3	0	ŏ	29	5	3	0	ŏ	29	ź	3	0	ŏ	26	1	ő	ŏ	ŏ
August 2051	22	4	2	Ŏ	Ŏ	22	4	2	Ő	Õ	22	4	2	Ő	Ŏ	19	0	ő	Ŏ	ő
August 2052	16	2	1	Ŏ	Ŏ	16	2	1	Ő	Õ	16	2	1	Ő	Ŏ	12	Ŏ	ő	Ŏ	ő
August 2053	8	1	1	Ő	Ö	8	1	1	Ŏ	Ŏ	8	1	1	Ő	Ŏ	4	Ŏ	Õ	Ö	Õ
August 2054	Ö	0	0	Ö	Ö	0	0	0	Ö	Ö	Ö	0	0	Ö	Ö	0	Ö	Ŏ	Ö	Ŏ
Weighted Average																				
Life (years)	20.2	11.4	9.7	6.5	4.5	20.2	11.4	9.7	6.5	4.5	20.2	11.4	9.7	6.5	4.5	19.8	10.6	8.9	5.8	4.1

PSA	Prepaymen	t Assumption	Rates

	Clas	ses IN,	L, NL, N and NT		NQ	Class		C, KD, and KI	KE, KG	, KH		(	lass Kl	3		Clas	sses LA,	LC, LD and LJ	, LE, LI	I, LI
Distribution Date	0%	100%	137%	250%	400%	0%	100%	137%	250%	400%	0%	100%	137%	250%	400%	0%	100%	137%	250%	400%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
August 2025	99	97	97	95	93	99	96	96	93	90	100	100	100	100	100	99	97	96	94	91
August 2026	98	92	91	85	77	97	90	87	79	69	100	100	100	100	100	98	91	88	81	72
August 2027	97	86	82	72	59	96	81	75	61	43	100	100	100	100	100	96	83	78	65	49
August 2028	96	80	74	60	44	94	72	65	45	23	100	100	100	100	100	95	75	68	51	31
August 2029	95	74	67	50	33	93	64	55	31	7	100	100	100	100	100	93	68	60	39	17
August 2030	93	68	61	42	25	91	56	46	20	0	100	100	100	100	66	92	61	52	29	7
August 2031	92	63	55	35	18	89	49	38	10	0	100	100	100	100	0	90	54	44	20	0
August 2032	90	58	49	29	14	87	42	30	2	0	100	100	100	100	0	88	48	37	13	0
August 2033	89	53	44	24	10	84	36	23	0	0	100	100	100	63	0	86	43	31	7	0
August 2034	87	49	40	20	8	82	30	17	0	0	100	100	100	16	0	84	37	26	2	0
August 2035	85	45	35	17	6	79	24	11	0	0	100	100	100	0	0	81	32	21	0	0
August 2036	83	41	32	14	4	76	19	6	0	0	100	100	100	0	0	79	27	16	0	0
August 2037	80	37	28	11	3	73	14	1	0	0	100	100	100	0	0	76	23	12	0	0
August 2038	78	34	25	9	2	70	9	0	0	0	100	100	71	0	0	73	19	8	0	0
August 2039	75	31	22	8	2	66	4	0	0	0	100	100	37	0	0	70	15	4	0	0
August 2040	73	28	19	6	1	62	0	0	0	0	100	100	7	0	0	66	11	1	0	0
August 2041	70	25	17	5	1	58	0	0	0	0	100	69	0	0	0	63	7	0	0	0
August 2042	66	22	15	4	1	53	0	0	0	0	100	38	0	0	0	58	4	0	0	0
August 2043	63	20	13	3	0	49	0	0	0	0	100	9	0	0	0	54	1	0	0	0
August 2044	59	17	11	3	0	43	0	0	0	0	100	0	0	0	0	49	0	0	0	0
August 2045	55	15	9	2	0	38	0	0	0	0	100	0	0	0	0	44	0	0	0	0
August 2046	50	13	8	2	0	32	0	0	0	0	100	0	0	0	0	39	0	0	0	0
August 2047	46	11	6	1	0	25	0	0	0	0	100	0	0	0	0	33	0	0	0	0
August 2048	40	9	2	1	0	18 10	0	0	0	0	100	0	0	0	0	27	0	0	0	0
August 2049	35	/	4	1	0	10	0	0	0	0	100 100	0	0	0	0	20 12	0	0	0	0
August 2050	29	2	2	0		2	_		0	0	42		0	0	0	12		0		0
August 2051	22	4	2	0	0	0	0	0				0	0	0		2	0	0	0	0
August 2052	16	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
August 2053	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Life (years)	20.2	11.4	9.7	6.5	4.5	17.2	7.4	6.0	3.9	2.8	26.9	17.6	14.7	9.3	6.2	18.2	8.5	6.9	4.5	3.2

Security Group 9 PSA Prepayment Assumption Rates

		(	Class LI	3			(	Class LO	ĵ			(	Class LM	1			(	Class LY	7	
Distribution Date	0%	100%	137%	250%	400%	0%	100%	137%	250%	400%	0%	100%	137%	250%	400%	0%	100%	137%	250%	400%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
August 2025	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
August 2026	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
August 2027	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
August 2028	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
August 2029	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
August 2030	100	100	100	100	100	100	100	100	100	89	100	100	100	100	100	100	100	100	100	100
August 2031	100	100	100	100	97	100	100	100	100	67	100	100	100	100	100	100	100	100	100	98
August 2032	100	100	100	100	65	100	100	100	100	50	100	100	100	100	100	100	100	100	100	73
August 2033	100	100	100	100	41	100	100	100	88	37	100	100	100	100	100	100	100	100	100	54
August 2034	100	100	100	100	23	100	100	100	73	27	100	100	100	100	100	100	100	100	100	40
August 2035	100	100	100	86	10	100	100	100	61	20	100	100	100	100	100	100	100	100	89	30
August 2036	100	100	100	66	0	100	100	100	50	15	100	100	100	100	98	100	100	100	73	22
August 2037	100	100	100	49	0	100	100	100	41	11	100	100	100	100	73	100	100	100	60	16
August 2038	100	100	100	35	0	100	100	91	34	8	100	100	100	100	53	100	100	100	50	12
August 2039	100	100	100	24	0	100	100	80	28	6	100	100	100	100	39	100	100	100	41	9
August 2040	100	100	100	14	0	100	100	70	23	4	100	100	100	100	28	100	100	100	33	6
August 2041	100	100	88	6	0	100	90	62	18	3	100	100	100	100	21	100	100	90	27	5
August 2042	100	100	73	0	0	100	80	54	15	2	100	100	100	97	15	100	100	79	22	3
August 2043	100	100	59	0	0	100	71	46	12	2	100	100	100	78	11	100	100	68	17	2
August 2044	100	89	46	0	0	100	62	40	9	1	100	100	100	62	8	100	91	58	14	2
August 2045	100	74	35	0	0	100	54	34	7	1	100	100	100	48	5	100	79	49	11	1
August 2046	100	59	25	0	0	100	47	28	6	1	100	100	100	38	4	100	68	41	8	1
August 2047	100	45	15	0	0	100	39	23	4	0	100	100	100	29	3	100	58	34	6	1
August 2048	100	32	7	0	0	100	32	19	3	0	100	100	100	21	2	100	47	28	5	0
August 2049	100	20	0	0	0	100	26	15	2	0	100	100	96	15	1	100	38	22	3	0
August 2050	100	9	0	0	0	100	20	11	2	0	100	100	72	11	1	100	29	16	2	0
August 2051	100	0	0	0	0	82	14	8	1	0	100	93	50	7	0	100	21	11	2	0
August 2052	78	0	0	0	0	57	9	5	1	0	100	57	30	4	0	83	13	7	1	0
August 2053	27	0	0	0	0	29	4	2	0	0	100	24	12	1	0	43	5	3	0	0
August 2054	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average																				
Life (years)	28.6	22.8	20.0	13.3	8.9	28.2	22.0	19.4	13.3	9.0	29.8	28.2	27.1	21.6	15.1	28.8	24.0	21.6	15.2	10.2

Security Group 10 PSA Prepayment Assumption Rates

		Class	es AT aı	nd PT		Clas	ses FM,	KF, KS	, SM an	d TI	Class	es IP, K	M, MB,	MW an	d MX			Class M		
Distribution Date	0%	100%	280%	450%	600%	0%	100%	280%	450%	600%	0%	100%	280%	450%	600%	0%	100%	280%	450%	600%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
August 2025	99	96	92	88	85	99	97	93	90	87	99	96	92	88	84	99	97	93	90	87
August 2026	98	91	79	69	60	98	91	81	71	63	97	89	76	64	55	98	91	81	72	64
August 2027	97	84	65	49	38	97	85	66	51	40	96	81	58	39	25	97	85	67	52	40
August 2028	95	78	53	36	24	95	78	54	37	25	94	73	43	21	6	95	78	55	37	26
August 2029	94	72	43	26	15	94	72	44	26	16	93	65	30	8	0	94	72	45	27	16
August 2030	93	66	35	18	9	93	67	36	19	10	91	58	20	0	0	93	67	36	19	10
August 2031	91	61	29	13	6	91	62	30	14	6	89	52	12	0	0	91	62	30	14	6
August 2032	89	56	24	9	4	89	57	24	10	4	87	45	5	0	0	89	57	24	10	4
August 2033	88	52	19	7	2	88	52	20	7	2	85	40	0	0	0	88	52	20	7	2
August 2034	86	47	16	5	1	86	48	16	5	2	82	34	0	0	0	86	48	16	5	2
August 2035	84	43	13	3	1	84	44	13	3	1	80	29	0	0	0	84	44	13	4	1
August 2036	82	39	10	2	1	82	40	10	2	1	77	24	0	0	0	82	40	10	2	1
August 2037	79	36	8	2	0	79	36	8	2	0	74	20	0	0	0	79	36	8	2	0
August 2038	77	32	7	1	0	77	33	7	1	0	71	15	0	0	0	77	33	7	1	0
August 2039	74	29	5	1	0	74	29	5	1	0	67	11	0	0	0	74	30	5	1	0
August 2040	71	26	4	1	0	71	26	4	1	0	64	8	0	0	0	71	27	4	1	0
August 2041	68	23	3	0	0	68	24	3	0	0	60	4	0	0	0	68	24	3	0	0
August 2042	65	21	3	0	0	65	21	3	0	0	56	1	0	0	0	65	21	3	0	0
August 2043	61	18	2	0	0	61	19	2	0	0	51	0	0	0	0	61	19	2	0	0
August 2044	57	16	2	0	0	57	16	2	0	0	46	0	0	0	0	57	16	2	0	0
August 2045	53	14	1	0	0	53	14	1	0	0	41	0	0	0	0	53	14	1	0	0
August 2046	49	12	1	0	0	49	12	1	0	0	36	0	0	0	0	49	12	1	0	0
August 2047	44	10	1	0	0	44	10	1	0	0	30	0	0	0	0	44	10	1	0	0
August 2048	39	8	0	0	0	39	8	0	0	0	23	0	0	0	0	39	8	0	0	0
August 2049	34	6	0	0	0	34	6	0	0	0	16	0	0	0	0	34	7	0	0	0
August 2050	28	5	0	0	0	28	5	0	0	0	9	0	0	0	0	28	5	0	0	0
August 2051	22	3	0	0	0	22	3	0	0	0	1	0	0	0	0	22	3	0	0	0
August 2052	15	2	0	0	0	15	2	0	0	0	0	0	0	0	0	15	2	0	0	0
August 2053	8	1	0	0	0	8	1	0	0	0	0	0	0	0	0	8	1	0	0	0
August 2054	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average																				
Life (years)	19.9	11.0	5.7	3.8	3.0	19.9	11.1	5.8	3.9	3.1	17.6	8.0	3.9	2.7	2.2	19.9	11.1	5.8	4.0	3.1

Security Group 10 PSA Prepayment Assumption Rates

		(	Class M	4			(	class M	K			(	Class MI	L			(	class MV	7	
Distribution Date	0%	100%	280%	450%	600%	0%	100%	280%	450%	600%	0%	100%	280%	450%	600%	0%	100%	280%	450%	600%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
August 2025	99	96	92	88	84	100	100	100	100	100	100	100	100	100	100	93	93	93	93	93
August 2026	97	89	76	64	55	100	100	100	100	100	100	100	100	100	100	86	86	86	86	86
August 2027	96	81	58	39	25	100	100	100	100	100	100	100	100	100	100	78	78	78	78	78
August 2028	94	73	43	21	6	100	100	100	100	100	100	100	100	100	100	70	70	70	70	70
August 2029	93	65	30	8	0	100	100	100	100	78	100	100	100	100	78	61	61	61	61	9
August 2030	91	58	20	0	0	100	100	100	93	49	100	100	100	93	49	52	52	52	35	0
August 2031	89	52	12	0	0	100	100	100	67	31	100	100	100	67	31	43	43	43	0	0
August 2032	87	45	5	0	0	100	100	100	48	19	100	100	100	48	19	33	33	33	0	0
August 2033	85	40	0	0	0	100	100	96	34	12	100	100	96	34	12	22	22	12	0	0
August 2034	82	34	0	0	0	100	100	77	24	8	100	100	77	24	8	11	11	0	0	0
August 2035	80	29	0	0	0	100	100	63	17	5	100	100	63	17	5	0	0	0	0	0
August 2036	77	24	0	0	0	100	100	51	12	3	100	100	51	12	3	0	0	0	0	0
August 2037	74	20	0	0	0	100	100	41	9	2	100	100	41	9	2	0	0	0	0	0
August 2038	71	15	0	0	0	100	100	33	6	1	100	100	33	6	1	0	0	0	0	0
August 2039	67	11	0	0	0	100	100	26	4	1	100	100	26	4	1	0	0	0	0	0
August 2040	64	8	0	0	0	100	100	21	3	0	100	100	21	3	0	0	0	0	0	0
August 2041	60	4	0	0	0	100	100	16	2	0	100	100	16	2	0	0	0	0	0	0
August 2042	56	1	0	0	0	100	100	13	1	0	100	100	13	1	0	0	0	0	0	0
August 2043	51	0	0	0	0	100	90	10	1	0	100	90	10	1	0	0	0	0	0	0
August 2044	46	0	0	0	0	100	79	8	1	0	100	79	8	1	0	0	0	0	0	0
August 2045	41	0	0	0	0	100	68	6	0	0	100	68	6	0	0	0	0	0	0	0
August 2046	36	0	0	0	0	100	58	4	0	0	100	58	4	0	0	0	0	0	0	0
August 2047	30	0	0	0	0	100	49	3	0	0	100	49	3	0	0	0	0	0	0	0
August 2048	23	0	0	0	0	100	40	2	0	0	100	40	2	0	0	0	0	0	0	0
August 2049	16	0	0	0	0	100	32	2	0	0	100	32	2	0	0	0	0	0	0	0
August 2050	9	0	0	0	0	100	24	1	0	0	100	24	1	0	0	0	0	0	0	0
August 2051	1	0	0	0	0	100	16	1	0	0	100	16	1	0	0	0	0	0	0	0
August 2052	0	0	0	0	0	72	10	0	0	0	72	10	0	0	0	0	0	0	0	0
August 2053	0	0	0	0	0	37	3	0	0	0	37	3	0	0	0	0	0	0	0	0
August 2054	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average	17 (	0.0	2.0	0.7	2.2	20. (	22.2	12.2	0.7		20.6	22.2	12.2	0.7		( 0	(0	- 0	/ -	2.0
Life (years)	17.6	8.0	3.9	2.7	2.2	28.6	23.2	13.3	8.7	6.6	28.6	23.2	13.3	8.7	6.6	6.0	6.0	5.8	4.7	3.9

		(	Class M	Y			(	lass M	Z			C	lass VM	1			(	lass ZM	1	
Distribution Date	0%	100%	280%	450%	600%	0%	100%	280%	450%	600%	0%	100%	280%	450%	600%	0%	100%	280%	450%	600%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
August 2025	100	100	100	100	100	105	105	105	105	105	93	93	93	93	93	105	105	105	105	105
August 2026	100	100	100	100	100	110	110	110	110	110	86	86	86	86	86	110	110	110	110	110
August 2027	100	100	100	100	100	116	116	116	116	116	78	78	78	78	78	116	116	116	116	116
August 2028	100	100	100	100	100	122	122	122	122	122	70	70	70	70	70	122	122	122	122	122
August 2029	100	100	100	100	78	128	128	128	128	128	61	61	61	61	9	128	128	128	128	128
August 2030	100	100	100	93	49	135	135	135	135	85	52	52	52	35	0	135	135	135	135	85
August 2031	100	100	100	67	31	142	142	142	115	53	43	43	43	0	0	142	142	142	115	53
August 2032	100	100	100	48	19	149	149	149	82	33	33	33	33	0	0	149	149	149	82	33
August 2033	100	100	96	34	12	157	157	157	59	21	22	22	12	0	0	157	157	157	59	21
August 2034	100	100	77	24	8	165	165	134	42	13	11	11	0	0	0	165	165	134	42	13
August 2035	100	100	63	17	5	173	173	108	30	8	0	0	0	0	0	173	173	108	30	8
August 2036	100	100	51	12	3	173	173	87	21	5	0	0	0	0	0	173	173	87	21	5
August 2037	100	100	41	9	2	173	173	70	15	3	0	0	0	0	0	173	173	70	15	3
August 2038	100	100	33	6	1	173	173	56	10	2	0	0	0	0	0	173	173	56	10	2
August 2039	100	100	26	4	1	173	173	45	7	1	0	0	0	0	0	173	173	45	7	1
August 2040	100	100	21	3	0	173	173	36	5	1	0	0	0	0	0	173	173	36	5	1
August 2041	100	100	16	2	0	173	173	28	4	0	0	0	0	0	0	173	173	28	4	0
August 2042	100	100	13	1	0	173	173	22	2	0	0	0	0	0	0	173	173	22	2	0
August 2043	100	90	10	1	0	173	156	17	2	0	0	0	0	0	0	173	156	17	2	0
August 2044	100	79	8	1	0	173	136	13	1	0	0	0	0	0	0	173	136	13	1	0
August 2045	100	68	6	0	0	173	118	10	1	0	0	0	0	0	0	173	118	10	1	0
August 2046	100	58	4	0	0	173	101	8	1	0	0	0	0	0	0	173	101	8	1	0
August 2047	100	49	3	0	0	173	84	6	0	0	0	0	0	0	0	173	84	6	0	0
August 2048	100	40	2	0	0	173	69	4	0	0	0	0	0	0	0	173	69	4	0	0
August 2049	100	32	2	0	0	173	55	3	0	0	0	0	0	0	0	173	55	3	0	0
August 2050	100	24	1	0	0	173	41	2	0	0	0	0	0	0	0	173	41	2	0	0
August 2051	100	16	1	0	0	173	28	1	0	0	0	0	0	0	0	173	28	1	0	0
August 2052	72	10	0	0	0	125	17	1	0	0	0	0	0	0	0	125	17	1	0	0
August 2053	37	3	0	0	0	65	5	0	0	0	0	0	0	0	0	65	5	0	0	0
August 2054	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average																				
Life (years)	28.6	23.2	13.3	8.7	6.6	28.6	23.2	13.7	9.4	7.2	6.0	6.0	5.8	4.7	3.9	28.6	23.2	13.7	9.4	7.2

Security Group 11 PSA Prepayment Assumption Rates

	Clas	ses D, l	DC, DE,	DG, D	H, DI ar	nd DO			Cla	ss DB				Cla	sses DF	, DS an	d DT	
Distribution Date	0%	100%	350%	580%	900%	1,200%	0%	100%	350%	580%	900%	1,200%	0%	100%	350%	580%	900%	1,200%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
August 2025	99	97	92	88	81	75	100	100	100	100	100	100	99	97	94	90	85	81
August 2026	98	91	74	60	42	26	100	100	100	100	100	100	98	93	80	69	55	42
August 2027	97	82	52	30	4	0	100	100	100	100	100	56	97	86	63	45	26	12
August 2028	95	74	35	9	0	0	100	100	100	100	53	15	96	80	49	29	12	3
August 2029	94	67	21	0	0	0	100	100	100	84	24	4	95	74	38	19	5	1
August 2030	92	60	10	0	0	0	100	100	100	54	11	1	94	69	30	12	2	0
August 2031	90	53	1	0	0	0	100	100	100	35	5	0	92	63	23	8	1	0
August 2032	88	47	0	0	0	0	100	100	81	22	2	0	91	58	18	5	0	0
August 2033	86	41	0	0	0	0	100	100	63	14	1	0	89	54	14	3	0	0
August 2034	84	35	0	0	0	0	100	100	48	9	0	0	88	49	11	2	0	0
August 2035	82	30	0	0	0	0	100	100	37	6	0	0	86	45	8	1	0	0
August 2036	79	25	0	0	0	0	100	100	29	4	0	0	84	42	6	1	0	0
August 2037	77	20	0	0	0	0	100	100	22	2	0	0	82	38	5	1	0	0
August 2038	73	16	0	0	0	0	100	100	17	1	0	0	79	34	4	0	0	0
August 2039	70	12	0	0	0	0	100	100	13	1	0	0	77	31	3	0	0	0
August 2040	67	8	0	0	0	0	100	100	10	1	0	0	74	28	2	0	0	0
August 2041	63	4	0	0	0	0	100	100	7	0	0	0	71	25	2	0	0	0
August 2042	59	1	0	0	0	0	100	100	6	0	0	0	68	23	1	0	0	0
August 2043	54	0	0	0	0	0	100	91	4	0	0	0	64	20	1	0	0	0
August 2044	49	0	0	0	0	0	100	80	3	0	0	0	60	18	1	0	0	0
August 2045	44	0	0	0	0	0	100	70	2	0	0	0	56	15	0	0	0	0
August 2046	38	0	0	0	0	0	100	60	2	0	0	0	52	13	0	0	0	0
August 2047	32	0	0	0	0	0	100	51	1	0	0	0	47	11	0	0	0	0
August 2048	25	0	0	0	0	0	100	42	1	0	0	0	42	9	0	0	0	0
August 2049	18	0	0	0	0	0	100	34	1	0	0	0	36	7	0	0	0	0
August 2050	10	0	0	0	0	0	100	26	0	0	0	0	30	6	0	0	0	0
August 2051	2	0	0	0	0	0	100	19	0	0	0	0	23	4	0	0	0	0
August 2052	0	0	0	0	0	0	74	12	0	0	0	0	16	3	0	0	0	0
August 2053	0	0	0	0	0	0	38	5	0	0	0	0	8	1	0	0	0	0
August 2054	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average																		
Life (years)	18.2	8.1	3.4	2.4	1.8	1.5	28.7	23.4	11.0	6.9	4.5	3.3	20.5	11.5	5.0	3.4	2.4	1.9

Security Group 12 PSA Prepayment Assumption Rates

			Cl	ass DA					Cl	ass DL				-	Classes	FD and	SD	
Distribution Date	0%	100%	400%	680%	1,050%	1,400%	0%	100%	400%	680%	1,050%	1,400%	0%	100%	400%	680%	1,050%	1,400%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
August 2025	99	97	92	87	81	74	100	100	100	100	100	100	99	98	93	89	83	78
August 2026	98	92	74	59	40	24	100	100	100	100	100	100	98	93	78	65	48	34
August 2027	97	84	53	29	6	0	100	100	100	100	100	46	98	86	59	38	18	6
August 2028	96	77	36	11	0	0	100	100	100	100	51	7	97	80	44	23	7	1
August 2029	95	71	23	0	0	0	100	100	100	100	19	1	95	75	33	13	2	0
August 2030	93	64	14	0	0	0	100	100	100	58	7	0	94	69	25	8	1	0
August 2031	92	58	6	0	0	0	100	100	100	34	2	0	93	64	19	4	0	0
August 2032	90	53	1	0	0	0	100	100	100	20	1	0	92	59	14	3	0	0
August 2033	89	48	0	0	0	0	100	100	79	11	0	0	90	54	10	2	0	0
August 2034	87	43	0	0	0	0	100	100	59	7	0	0	89	50	8	1	0	0
August 2035	85	38	0	0	0	0	100	100	44	4	0	0	87	46	6	1	0	0
August 2036	83	34	0	0	0	0	100	100	32	2	0	0	85	42	4	0	0	0
August 2037	80	29	0	0	0	0	100	100	24	1	0	0	83	39	3	0	0	0
August 2038	78	25	0	0	0	0	100	100	18	1	0	0	81	35	2	0	0	0
August 2039	75	22	0	0	0	0	100	100	13	0	0	0	78	32	2	0	0	0
August 2040	72	18	0	0	0	0	100	100	9	0	0	0	75	29	1	0	0	0
August 2041	68	15	0	0	0	0	100	100	7	0	0	0	72	26	1	0	0	0
August 2042	65	12	0	0	0	0	100	100	5	0	0	0	69	23	1	0	0	0
August 2043	61	9	0	0	0	0	100	100	4	0	0	0	66	21	0	0	0	0
August 2044	56	6	0	0	0	0	100	100	3	0	0	0	62	18	0	0	0	0
August 2045	52	3	0	0	0	0	100	100	2	0	0	0	58	16	0	0	0	0
August 2046	46	1	0	0	0	0	100	100	1	0	0	0	53	14	0	0	0	0
August 2047	41	0	0	0	0	0	100	89	1	0	0	0	49	12	0	0	0	0
August 2048	35	0	0	0	0	0	100	74	1	0	0	0	43	10	0	0	0	0
August 2049	28	0	0	0	0	0	100	60	0	0	0	0	37	8	0	0	0	0
August 2050	21	0	0	0	0	0	100	47	0	0	0	0	31	6	0	0	0	0
August 2051	13	0	0	0	0	0	100	34	0	0	0	0	24	4	0	0	0	0
August 2052	4	0	0	0	0	0	100	22	0	0	0	0	17	3	0	0	0	0
August 2053	0	0	0	0	0	0	67	10	0	0	0	0	9	1	0	0	0	0
August 2054	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average																		
Life (years)	19.5	9.5	3.5	2.4	1.8	1.5	29.3	25.9	11.5	6.9	4.3	3.1	20.8	11.7	4.6	3.0	2.1	1.7

Security Group 13 PSA Prepayment Assumption Rates

			Class AD						Class DY		
Distribution Date	0%	100%	280%	450%	600%	09	6	100%	280%	450%	600%
Initial Percent	100	100	100	100	100	1	00	100	100	100	100
August 2025	99	96	93	89	86	1	00	100	100	100	100
August 2026	97	90	78	67	58	1	00	100	100	100	100
August 2027	96	82	60	42	28	1	00	100	100	100	100
August 2028	94	74	45	23	9	1	00	100	100	100	100
August 2029	93	66	32	10	0	1	00	100	100	100	87
August 2030	91	59	22	1	0	1	00	100	100	100	55
August 2031	89	53	14	0	0	1	00	100	100	74	34
August 2032	87	47	7	0	0	1	00	100	100	52	21
August 2033	85	41	1	0	0	1	00	100	100	37	13
August 2034	82	35	0	0	0	1	00	100	85	27	8
August 2035	80	30	0	0	0	1	00	100	68	19	5
August 2036	77	25	0	0	0	1	00	100	55	13	3
August 2037	74	21	0	0	0	1	00	100	44	9	2
August 2038	71	17	0	0	0	1	00	100	35	7	1
August 2039	68	13	0	0	0	1	00	100	28	5	1
August 2040	64	9	0	0	0	1	00	100	22	3	0
August 2041	61	5	0	0	0	1	00	100	18	2	0
August 2042	56	2	0	0	0	1	00	100	14	2	0
August 2043	52	0	0	0	0	1	00	96	11	1	0
August 2044	47	0	0	0	0	1	00	84	8	1	0
August 2045	42	0	0	0	0	1	00	72	6	0	0
August 2046	37	0	0	0	0	1	00	61	5	0	0
August 2047	31	0	0	0	0	1	00	51	4	0	0
August 2048	25	0	0	0	0	1	00	41	3	0	0
August 2049	18	0	0	0	0	1	00	32	2	0	0
August 2050	11	0	0	0	0	1	00	24	1	0	0
August 2051	3	0	0	0	0	1	00	16	1	0	0
August 2052	0	0	0	0	0		78	8	0	0	0
August 2053	0	0	0	0	0		40	1	0	0	0
August 2054	0	0	0	0	0		0	0	0	0	0
Weighted Average											
Life (years)	17.8	8.2	4.0	2.8	2.3	28	3.7	23.4	13.6	9.0	6.9

Security Group 14 PSA Prepayment Assumption Rates

		es DJ, DK GU, GV, C				Class	es G, GA JE	, GC, GD , JG and		J, JD,		Class	ses GB ar	nd JB	
Distribution Date	0%	100%	345%	500%	700%	0%	100%	345%	500%	700%	0%	100%	345%	500%	700%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
August 2025	99	97	93	90	87	99	96	90	87	82	100	100	100	100	100
August 2026	98	92	79	71	61	97	89	71	60	47	100	100	100	100	100
August 2027	97	86	62	49	35	96	80	48	31	12	100	100	100	100	100
August 2028	96	79	48	34	20	94	72	30	10	0	100	100	100	100	28
August 2029	95	73	38	23	12	93	64	15	0	0	100	100	100	63	0
August 2030	93	68	30	16	7	91	56	4	0	0	100	100	100	0	0
August 2031	92	63	23	11	4	89	49	0	0	0	100	100	58	0	0
August 2032	90	58	18	8	2	87	42	0	0	0	100	100	3	0	0
August 2033	89	53	14	5	1	84	36	0	0	0	100	100	0	0	0
August 2034	87	49	11	4	1	82	30	0	0	0	100	100	0	0	0
August 2035	85	45	8	2	0	79	24	0	0	0	100	100	0	0	0
August 2036	83	41	6	2	0	76	19	0	0	0	100	100	0	0	0
August 2037	80	37	5	1	0	73	14	0	0	0	100	100	0	0	0
August 2038	78	34	4	1	0	70	9	0	0	0	100	100	0	0	0
August 2039	75	31	3	1	0	66	5	0	0	0	100	100	0	0	0
August 2040	73	28	2	0	0	63	1	0	0	0	100	100	0	0	0
August 2041	70	25	2	0	0	58	0	0	0	0	100	76	0	0	0
August 2042	66	22	1	0	0	54	0	0	0	0	100	47	0	0	0
August 2043	63	19	1	0	0	49	0	0	0	0	100	20	0	0	0
August 2044	59	17	1	0	0	44	0	0	0	0	100	0	0	0	0
August 2045	55	15	1	0	0	38	0	0	0	0	100	0	0	0	0
August 2046	50	13	0	0	0	32	0	0	0	0	100	0	0	0	0
August 2047	46	11	0	0	0	26	0	0	0	0	100	0	0	0	0
August 2048	40	9	0	0	0	19	0	0	0	0	100	0	0	0	0
August 2049	35	7	0	0	0	11	0	0	0	0	100	0	0	0	0
August 2050	29	6	0	0	0	3	0	0	0	0	100	0	0	0	0
August 2051	22	4	0	0	0	0	0	0	0	0	53	0	0	0	0
August 2052	16	2	0	0	0	0	0	0	0	0	0	0	0	0	0
August 2053	8	1	0	0	0	0	0	0	0	0	0	0	0	0	0
August 2054	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average															
Life (years)	20.2	11.3	5.0	3.7	2.8	17.2	7.4	3.1	2.4	1.9	27.0	18.0	7.2	5.2	3.9

Security Group 14 PSA Prepayment Assumption Rates

	Class	ses GH, G	K, GM, GK, JN an		IG, IJ,		Class	es GL ar	nd JM			Class	ses GY aı	nd YJ	
Distribution Date	0%	100%	345%	500%	700%	0%	100%	345%	500%	700%	0%	100%	345%	500%	700%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
August 2025	99	97	92	88	84	100	100	100	100	100	100	100	100	100	100
August 2026	98	90	74	65	53	100	100	100	100	100	100	100	100	100	100
August 2027	96	82	54	39	22	100	100	100	100	100	100	100	100	100	100
August 2028	95	75	37	20	3	100	100	100	100	100	100	100	100	100	75
August 2029	93	68	25	7	0	100	100	100	100	66	100	100	100	87	43
August 2030	92	61	14	0	0	100	100	100	92	37	100	100	100	60	25
August 2031	90	55	7	0	0	100	100	100	63	21	100	100	86	41	14
August 2032	88	49	0	0	0	100	100	100	43	12	100	100	67	28	8
August 2033	86	43	0	0	0	100	100	79	30	7	100	100	52	19	5
August 2034	84	38	0	0	0	100	100	61	20	4	100	100	40	13	3
August 2035	82	33	0	0	0	100	100	47	14	2	100	100	31	9	1
August 2036	79	28	0	0	0	100	100	36	9	1	100	100	24	6	1
August 2037	76	24	0	0	0	100	100	28	6	1	100	100	18	4	0
August 2038	73	20	0	0	0	100	100	21	4	0	100	100	14	3	0
August 2039	70	16	0	0	0	100	100	16	3	0	100	100	11	2	0
August 2040	67	12	0	0	0	100	100	12	2	0	100	100	8	1	0
August 2041	63	9	0	0	0	100	100	9	1	0	100	92	6	1	0
August 2042	59	5	0	0	0	100	100	7	1	0	100	82	5	1	0
August 2043	55	2	0	0	0	100	100	5	1	0	100	73	3	0	0
August 2044	50	0	0	0	0	100	97	4	0	0	100	64	3	0	0
August 2045	45	0	0	0	0	100	84	3	0	0	100	55	2	0	0
August 2046	40	0	0	0	0	100	72	2	0	0	100	48	1	0	0
August 2047	34	0	0	0	0	100	61	1	0	0	100	40	1	0	0
August 2048	28	0	0	0	0	100	51	1	0	0	100	33	1	0	0
August 2049	21	0	0	0	0	100	41	1	0	0	100	27	0	0	0
August 2050	14	0	0	0	0	100	31	0	0	0	100	21	0	0	0
August 2051	6	0	0	0	0	100	22	0	0	0	84	15	0	0	0
August 2052	0	0	0	0	0	88	14	0	0	0	58	9	0	0	0
August 2053	0	0	0	0	0	46	6	0	0	0	30	4	0	0	0
August 2054	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average															
Life (years)	18.3	8.6	3.5	2.7	2.1	28.9	24.3	11.9	8.4	6.0	28.3	22.1	10.2	7.3	5.3

Security Group 15 PSA Prepayment Assumption Rates

			Classes EF,	FE, IT and S	Е	
Distribution Date	0%	100%	350%	600%	900%	1,200%
Initial Percent	100	100	100	100	100	100
August 2025	100	98	93	89	83	78
August 2026	99	93	79	66	52	38
August 2027	99	87	63	42	24	11
August 2028	98	81	49	27	11	3
August 2029	98	76	39	17	5	1
August 2030	97	71	30	11	2	0
August 2031	97	66	24	7	1	0
August 2032	96	62	19	4	0	0
August 2033	95	58	15	3	0	0
August 2034	95	54	11	2	0	0
August 2035	94	50	9	1	0	0
August 2036	93	46	7	1	0	0
August 2037	92	43	5	0	0	0
August 2038	91	40	4	0	0	0
August 2039	90	37	3	0	0	0
August 2040	89	34	3 3 2	0	0	0
August 2041	88	32	2	0	0	0
August 2042	86	29	2	0	0	0
August 2043	85	27	1	0	0	0
August 2044	83	25	1	0	0	0
August 2045	81	23	1	0	0	0
August 2046	79	21	1	0	0	0
August 2047	77	19	0	0	0	0
August 2048	75	17	0	0	0	0
August 2049	73	16	0	0	0	0
August 2050	70	14	0	0	0	0
August 2051	67	13	0	0	0	0
August 2052	64	11	0	0	0	0
August 2053	61	10	0	0	0	0
August 2054	57	9	0	0	0	0
August 2055	53	8	0	0	0	0
August 2056	49	7	0	0	0	0
August 2057	45	6	0	0	0	0
August 2058	40	5	0	0	0	0
August 2059	34	4	0	0	0	0
August 2060	28	3	0	0	0	0
August 2061	22	2	0	0	0	0
August 2062	15	1	Ö	Ö	Ö	Ö
August 2063	8	0	ŏ	ŏ	ŏ	0
August 2064	ő	ŏ	ŏ	ŏ	ŏ	Ö
Weighted Average	~	V	0	V	V	
Life (years)	29.2	13.5	5.1	3.2	2.3	1.8
2		20.00				

Security Group 16 PSA Prepayment Assumption Rates

			Classes	s GF and GS		
Distribution Date	0%	100%	400%	650%	1,000%	1,300%
Initial Percent	100	100	100	100	100	100
August 2025	100	97	90	83	74	67
August 2026	99	92	72	56	37	23
August 2027	99	86	54	34	15	5
August 2028	99	80	41	21	6	1
August 2029	98	75	31	13	2	0
August 2030	98	70	23	8	1	0
August 2031	97	65	18	5 3	0	0
August 2032	97	61	13	3	0	0
August 2033	96	57	10	2	0	0
August 2034	95	53	8	1	0	0
August 2035	95	49	6	1	0	0
August 2036	94	46	4	0	0	0
August 2037	93	43	3	0	0	0
August 2038	92	40	2	0	0	0
August 2039	91	37	2	0	0	0
August 2040	90	34	1	0	0	0
August 2041	89	31	1	0	0	0
August 2042	87	29	1	0	0	0
August 2043	86	27	1	0	0	0
August 2044	84	25	0	0	0	0
August 2045	83	22	0	0	0	0
August 2046	81	21	0	0	0	0
August 2047	79	19	0	0	0	0
August 2048	77	17	0	0	0	0
August 2049	74	15	0	0	0	0
August 2050	72	14	0	0	0	0
August 2051	69	13	0	0	0	0
August 2052	66	11	0	0	0	0
August 2053	63	10	0	0	0	0
August 2054	59	9	0	0	0	0
August 2055	55	8	0	0	0	0
August 2056	51	6	0	0	0	0
August 2057	46	5	0	0	0	0
August 2058	41	4	0	0	0	0
August 2059	36	3	0	0	0	0
August 2060	30	3	0	0	0	0
August 2061	23	2	0	0	0	0
August 2062	16	1	0	0	0	0
August 2063	8	0	0	0	0	0
August 2064	0	0	0	0	0	0
Weighted Average						
Life (years)	29.6	13.3	4.3	2.8	1.9	1.5

Security Group 17 PSA Prepayment Assumption Rates

			Classes ST	, TF, TG at	nd TS				Cl	ass ZU		
Distribution Date	0%	100%	400%	650%	1,000%	1,300%	0%	100%	400%	650%	1,000%	1,300%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100
August 2025	98	95	86	80	80	80	107	107	107	100	51	8
August 2026	96	87	62	47	46	28	115	115	115	99	0	ŏ
August 2027	94	78	39	19	18	6	123	123	123	103	ő	Ö
August 2028	91	69	21	1	7	ĭ	132	132	132	111	ő	Ö
August 2029	89	60	7	0	3	0	142	142	142	70	ŏ	ŏ
August 2030	86	52	Ó	Ő	ĭ	ŏ	152	152	130	42	ő	Ŏ
August 2031	83	$\frac{\sqrt{44}}{44}$	ő	Ő	0	ŏ	163	163	98	26	ő	Ŏ
August 2032	79	36	ő	ő	ő	ŏ	175	175	74	16	ŏ	ŏ
August 2033	76	28	ő	Õ	ŏ	Ö	187	187	56	9	ŏ	Ö
August 2034	72	20	0	Ő	0	ő	201	201	42	6	ő	0
August 2035	68	13	ő	ő	ő	ŏ	215	215	32	3	ŏ	ŏ
August 2036	64	5	0	0	0	ŏ	231	231	24	2	Ő	ő
August 2037	59	ó	0	0	0	ő	248	237	18	1	0	ő
August 2038	54	0	0	0	0	0	266	220	13	1	0	ő
August 2039	48	0	0	0	ő	ŏ	285	204	10	0	ő	ő
August 2040	43	0	0	0	0	0	305	188	7	0	0	0
August 2041	36	0	ő	0	0	ő	328	174	6	0	0	0
August 2042	30	0	0	0	0	0	351	161	4	0	0	0
August 2042	22	0	0	0	0	0	377	148	3	0	0	0
August 2044	14	0	0	0	0	0	404	136	2	0	0	0
August 2045	6	0	0	0	0	0	433	125	2	0	0	0
August 2046	0	0	0	0	0	0	450	114	1	0	0	0
August 2047	0	0	0	0	0	0	439	104	1	0	0	0
August 2048	0	0	0	0	0	0	427	95	1	0	0	0
August 2049	0	0	0	0	0	0	414	86	1	0	0	0
August 2050	0	0	0	0	0	0	399	77	0	0	0	0
August 2051	0	0	0	0	0	0	384	69	0	0	0	0
August 2052	0	0	0	0	0	0	367	62	0	0	0	0
August 2053	0	0	0	0	0	0	349	55	0	0	0	0
August 2054	0	0	0	0	0	0	328	48	0	0	0	0
August 2055	0	0	0	0	0	0	307	42	0	0	0	0
August 2056	0	0	0	0	0	0	283	36	0	0	0	0
August 2057	0	0	0	0	0	0	257	30	0	0	0	0
August 2058	0	0	0	0	0	0	229	25	0	0	0	0
August 2059	0	0	0	0	0	0	199	19	0	0	0	0
August 2060	0	0	0	0	0	0	165	15	0	0	0	0
August 2061	0	0	0	0	0	0	129	10	0	0	0	0
August 2062	0	0	0	0	0	0	90	6	0	0	0	0
August 2063	0	0	0	0	0	0	47	1	0	0	0	0
August 2064	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average	U	U	U	U	U	U	U	U	U	U	U	U
Life (years)	13.6	6.4	2.6	2.0	2.1	1.7	33.1	22.8	9.1	6.0	1.0	0.6
Luc (years)	10.0	0.4	2.0	2.0	2.1	1./	33.1	44.0	9.1	0.0	1.0	0.0

Security Groups 16 and 17 PSA Prepayment Assumption Rates

			C	lass SK		
Distribution Date	0%	100%	400%	650%	1,000%	1,300%
Initial Percent	100	100	100	100	100	100
August 2025	99	97	89	82	76	70
August 2026	99	91	69	54	39	25
August 2027	98	84	50	30	16	5
August 2028	97	78	36	16	6	1
August 2029	96	71	25	9	2	0
August 2030	95	66	18	6	1	0
August 2031	94	60	13	3	0	0
August 2032	92	55	10	2	0	0
August 2033	91	50	8	1	0	0
August 2034	90	45	6	1	0	0
August 2035	88	40	4	0	0	0
August 2036	86	36	3	0	0	0
August 2037	85	32	2	0	0	0
August 2038	83	30	2	Ö	Ö	Ö
August 2039	81	28	1	Ö	Õ	Ö
August 2040	78	26	1	Ö	Õ	Ö
August 2041	76	24	i	ŏ	ŏ	ŏ
August 2042	73	22	1	Ö	Õ	Ö
August 2043	70	20	0	Õ	Õ	Ö
August 2044	67	18	Ö	Ö	Ö	Ö
August 2045	64	17	Õ	Õ	Õ	Ö
August 2046	61	16	Õ	Õ	Õ	Ö
August 2047	60	14	ŏ	ŏ	ŏ	ŏ
August 2048	58	13	Õ	Õ	Õ	Ö
August 2049	56	12	Õ	Õ	Õ	Ö
August 2050	54	11	ŏ	ŏ	ŏ	ŏ
August 2051	52	9	ŏ	ŏ	ŏ	ŏ
August 2052	50	8	ŏ	ŏ	ŏ	ŏ
August 2053	47	7	ŏ	ő	ŏ	ŏ
August 2054	45	7	ŏ	ŏ	ŏ	ŏ
August 2055	42	6	ŏ	ŏ	ŏ	ŏ
August 2056	38	5	ŏ	ő	ŏ	ŏ
August 2057	35	4	ő	Ö	ő	0
August 2058	31		0	0	0	0
August 2059	27	3 3	ő	ő	ő	0
August 2060	22	2	ő	Ö	ő	0
August 2061	18	1	0	0	0	0
August 2062	12	1	0	0	0	0
August 2063	6	0	0	0	0	0
August 2005 August 2064	0	0	0	0	0	0
Weighted Average	U	U	U	U	U	U
Life (years)	25.7	11.6	3.9	2.6	1.9	1.5
Life (years)	4)./	11.0	5.9	2.0	1.9	1.5

Security Group 18 PSA Prepayment Assumption Rates

•	C	lasses F	A, EC, 1	ED, EG,	EH and	d EI			Clas	ss EB			Cl	asses E	, EK, F	M, EN,	EP and	IE.			Clas	ss EL		
Distribution Date	0%	100%	350%	580%	900%	1,200%	0%	100%	350%	580%	900%	1,200%	0%	100%	350%	580%	900%	1,200%	0%	100%	350%	580%	900%	1,200%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
August 2025	99	97	92	88	81	75	100	100	100	100	100	100	99	97	93	89	83	78	100	100	100	100	100	100
August 2026	98	91	74	60	42	26	100	100	100	100	100	100	98	92	77	64	48	33	100	100	100	100	100	100
August 2027	97	82	52	30	5	0	100	100	100	100	100	0	97	84	57	37	15	0	100	100	100	100	100	97
August 2028	95	74	35	9	0	0	100	100	100	100	0	0	96	77	42	19	0	0	100	100	100	100	91	27
August 2029	94	67	21	0	0	0	100	100	100	63	0	0	94	70	29	7	0	0	100	100	100	100	41	7
August 2030	92	60	10	0	0	0	100	100	100	0	0	0	93	64	19	0	0	0	100	100	100	93	19	2
August 2031	90	53	1	0	0	0	100	100	100	0	0	0	91	58	12	0	0	0	100	100	100	60	8	1
August 2032	88	47	0	0	0	0	100	100	55	0	0	0	90	52	6	0	0	0	100	100	100	38	4	0
August 2033	86	41	0	0	0	0	100	100	11	0	0	0	88	47	1	0	0	0	100	100	100	24	2	0
August 2034	84	35	0	0	0	0	100	100	0	0	0	0	86	42	0	0	0	0	100	100	83	16	1	0
August 2035	82	30	0	0	0	0	100	100	0	0	0	0	84	37	0	0	0	0	100	100	64	10	0	0
August 2036	79	25	0	0	0	0	100	100	0	0	0	0	81	33	0	0	0	0	100	100	49	6	0	0
August 2037	77	20	0	0	0	0	100	100	0	0	0	0	79	29	0	0	0	0	100	100	38	4	0	0
August 2038	74	16	0	0	0	0	100	100	0	0	0	0	76	25	0	0	0	0	100	100	29	3	0	0
August 2039	70	12	0	0	0	0	100	100	0	0	0	0	73	21	0	0	0	0	100	100	22	2	0	0
August 2040	67	8	0	0	0	0	100	100	0	0	0	0	70	17	0	0	0	0	100	100	17	1	0	0
August 2041	63	4	0	0	0	0	100	100	0	0	0	0	67	14	0	0	0	0	100	100	13	1	0	0
August 2042	59	1	0	0	0	0	100	100	0	0	0	0	63	11	0	0	0	0	100	100	9	0	0	0
August 2043	54	0	0	0	0	0	100	77	0	0	0	0	59	8	0	0	0	0	100	100	7	0	0	0
August 2044	49	0	0	0	0	0	100	50	0	0	0	0	55	5	0	0	0	0	100	100	- 5	0	0	0
August 2045	44	0	0	0	0	0	100	25	0	0	0	0	50	3	0	0	0	0	100	100	4	0	0	0
August 2046	38	0	0	0	0	0	100	2	0	0	0	0	45	0	0	0	0	0	100	100	3	0	0	0
August 2047	32	0	0	0	0	0	100	0	0	0	0	0	39	0	0	0	0	0	100	85	2	0	0	0
August 2048	25	0	0	0	0	0	100	0	0	0	0	0	33	0	0	0	0	0	100	70	1	0	0	0
August 2049	18	0	0	0	0	0	100	0	0	0	0	0	27	0	0	0	0	0	100	56	1	0	0	0
August 2050	10	0	0	0	0	0	100	0	0	0	0	0	20	0	0	0	0	0	100	43	1	0	0	0
August 2051	2	0	0	0	0	0	100	0	0	0	0	0	12	0	0	0	0	0	100	30	0	0	0	0
August 2052	0	0	0	0	0	0	37	0	0	0	0	0	4	0	0	0	0	0	100	18	0	0	0	0
August 2053	0	0	0	0		0	0	0	0	0	0	0	0		0	0	0	0	66	6	0	0	0	0
August 2054	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average	40 -						o= -	20.0	0.5				40 -				0.6		20.	25 /	40 -			2.5
Life (years)	18.2	8.1	3.4	2.4	1.8	1.5	27.9	20.1	8.2	5.2	3.5	2.8	19.2	9.4	3.9	2.7	2.0	1.6	29.3	25.6	13.0	8.1	5.2	3.8

	Cla	sses E(	), ET, E	U, EV, I	W, I an	d YS			Cla	ss EY			Classe	s IM, L	5, MN,	MP, MQ	), MT a	ınd MU	Clas	ses IQ	QH, Q	J, QM,	QN and	l QP
Distribution Date	0%	100%	350%	580%	900%	1,200%	0%	100%	350%	580%	900%	1,200%	0%	100%	350%	580%	900%	1,200%	0%	100%	350%	580%	900%	1,200%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
August 2025	99	97	94	90	85	81	100	100	100	100	100	100	99	97	94	90	85	81	99	97	92	88	81	75
August 2026	98	93	80	69	55	42	100	100	100	100	100	100	98	93	80	69	55	42	98	91	74	60	42	26
August 2027	97 97	86	63	45	26	12	100	100	100	100	100	56	97 97	86	63	45	26	12	97 97	82	52	30	5	0
August 2028	96	80	49	29	12	3	100	100	100	100	53	16	96	80	49	29	12	12	95	74	35	9	0	0
August 2029	95	74	38	19	5	1	100	100	100	85	24	4	95	74	38	19	5	1	94	67	21	0	0	0
August 2030	94	68	30	12	2	0	100	100	100	54	11	1	94	68	30	12	2	0	92	60	10	0	0	0
August 2031	92	63	23	8	1	0	100	100	100	35	- 11	0	92	63	23	8	1	0	90	53	10	0	0	0
August 2032	91	58	18	5	0	0	100	100	81	22	2	0	91	58	18	5	0	0	88	47	0	0	0	0
August 2033	89	54	14	3	0	0	100	100	63	14	1	0	89	54	14	3	0	0	86	41	0	0	0	0
August 2034	88	49	11	2	0	0	100	100	49	9	0	0	88	49	11	2	0	0	84	35	0	0	0	0
August 2035	86	45	8	1	0	0	100	100	37	6	0	0	86	45	8	1	0	0	82	30	0	0	0	0
August 2036	84	41	6	1	ő	Ő	100	100	29	4	Ő	0	84	41	6	1	Ő	Ŏ	79	25	0	ő	ő	Ő
August 2037	82	38	5	1	0	0	100	100	22	2	0	0	82	38	5	1	0	0	77	20	0	0	ő	0
August 2038	79	34	4	0	ŏ	Ő	100	100	17	1	ő	Ő	79	34	4	0	Ŏ	Ŏ	74	16	ő	Ŏ	ŏ	ő
August 2039	77	31	3	0	0	0	100	100	13	1	0	0	77	31	3	Ő	0	0	70	12	0	0	0	0
August 2040	74	28	2	0	0	0	100	100	10	1	0	0	74	28	2	0	0	0	67	8	0	0	0	0
August 2041	71	25	2	Õ	Ö	Ő	100	100	7	0	Ŏ	Ö	71	25	2	Ŏ	0	Õ	63	4	Ö	Ö	Ö	Ö
August 2042	68	22	1	0	0	0	100	100	5	0	0	0	68	22	1	0	0	0	59	1	0	0	0	0
August 2043	64	20	1	0	0	0	100	90	4	0	0	0	64	20	1	0	0	0	54	0	0	0	0	0
August 2044	60	17	1	0	0	0	100	79	3	0	0	0	60	17	1	0	0	0	49	0	0	0	0	0
August 2045	56	15	0	0	0	0	100	69	2	0	0	0	56	15	0	0	0	0	44	0	0	0	0	0
August 2046	52	13	0	0	0	0	100	59	2	0	0	0	52	13	0	0	0	0	38	0	0	0	0	0
August 2047	47	11	0	0	0	0	100	50	1	0	0	0	47	11	0	0	0	0	32	0	0	0	0	0
August 2048	42	9	0	0	0	0	100	41	1	0	0	0	42	9	0	0	0	0	25	0	0	0	0	0
August 2049	36	7	0	0	0	0	100	33	1	0	0	0	36	7	0	0	0	0	18	0	0	0	0	0
August 2050	30	5	0	0	0	0	100	25	0	0	0	0	30	5	0	0	0	0	10	0	0	0	0	0
August 2051	23	4	0	0	0	0	100	17	0	0	0	0	23	4	0	0	0	0	2	0	0	0	0	0
August 2052	16	2	0	0	0	0	74	10	0	0	0	0	16	2	0	0	0	0	0	0	0	0	0	0
August 2053	8	1	0	0	0	0	38	4	0	0	0	0	8	1	0	0	0	0	0	0	0	0	0	0
August 2054	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average																								
Life (years)	20.5	11.4	5.0	3.4	2.4	1.9	28.7	23.3	11.0	6.9	4.5	3.3	20.5	11.4	5.0	3.4	2.4	1.9	18.2	8.1	3.4	2.4	1.8	1.5

Security Group 18 PSA Prepayment Assumption Rates

	C	lasses I	Y, Q, Q	Г, QU, (	(V and	QW			Cla	ss LF			Clas	ses QA	, QC, Q	D, QE,	QG and	QI			Clas	s QB		
Distribution Date	0%	100%	350%	580%	900%	1,200%	0%	100%	350%	580%	900%	1,200%	0%	100%	350%	580%	900% 1	,200%	0%	100%	350%	580%	900%	1,200%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
August 2025	99	97	93	89	83	78	99	97	94	90	85	81	99	97	92	87	80	74	100	100	100	100	100	100
August 2026	98	91	77	64	48	33	98	93	80	69	55	42	98	90	73	58	38	21	100	100	100	100	100	100
August 2027	97	84	57	37	14	0	97	86	63	45	26	12	96	81	50	26	0	0	100	100	100	100	85	0
August 2028	96	77	41	18	0	0	96	80	49	29	12	3	95	73	31	4	0	Ű.	100	100	100	100	0	Ű.
August 2029	94	70	29	6	Ő	Ő	95	74	38	19	5	ĭ	93	65	16	0	Ŏ	Õ	100	100	100	0	Ŏ	Õ
August 2030	93	64	19	0	0	0	94	68	30	12	2	0	92	57	5	0	0	0	100	100	100	0	0	0
August 2031	91	58	11	0	0	0	92	63	23	8	1	0	90	50	0	0	0	0	100	100	25	0	0	0
August 2032	90	52	6	0	0	0	91	58	18	5	0	0	88	44	0	0	0	0	100	100	0	0	0	0
August 2033	88	47	1	0	0	0	89	54	14	3	0	0	86	37	0	0	0	0	100	100	0	0	0	0
August 2034	86	42	0	0	0	0	88	49	11	2	0	0	83	31	0	0	0	0	100	100	0	0	0	0
August 2035	84	37	0	0	0	0	86	45	8	1	0	0	81	26	0	0	0	0	100	100	0	0	0	0
August 2036	81	33	0	0	0	0	84	41	6	1	0	0	78	21	0	0	0	0	100	100	0	0	0	0
August 2037	79	28	0	0	0	0	82	38	5	1	0	0	75	16	0	0	0	0	100	100	0	0	0	0
August 2038	76	24	0	0	0	0	79	34	4	0	0	0	72	11	0	0	0	0	100	100	0	0	0	0
August 2039	73	21	0	0	0	0	77	31	3	0	0	0	69	7	0	0	0	0	100	100	0	0	0	0
August 2040	70	17	0	0	0	0	74	28	2	0	0	0	65	3	0	0	0	0	100	100	0	0	0	0
August 2041	67	14	0	0	0	0	71	25	2	0	0	0	61	0	0	0	0	0	100	75	0	0	0	0
August 2042	63	11	0	0	0	0	68	22	1	0	0	0	56	0	0	0	0	0	100	10	0	0	0	0
August 2043	59	8	0	0	0	0	64	20	1	0	0	0	52	0	0	0	0	0	100	0	0	0	0	0
August 2044	55	5	0	0	0	0	60	17	1	0	0	0	46	0	0	0	0	0	100	0	0	0	0	0
August 2045	50	2	0	0	0	0	56	15	0	0	0	0	41	0	0	0	0	0	100	0	0	0	0	0
August 2046	45	0	0	0	0	0	52	13	0	0	0	0	35	0	0	0	0	0	100	0	0	0	0	0
August 2047	39	0	0	0	0	0	47	11	0	0	0	0	28	0	0	0	0	0	100	0	0	0	0	0
August 2048	33	0	0	0	0	0	42	9	0	0	0	0	21	0	0	0	0	0	100	0	0	0	0	0
August 2049	27	0	0	0	0	0	36	_	0	0	0	0	14	0	0	0	0	0	100	0	0	0	0	0
August 2050	20	0	0	0	0	0	30	5	0	0	0	0	5	0	0	0	0	0	100	0	0	0	0	0
August 2051	12	0	0	0	0	0	23	4	0	0	0	0	0	0	0	0	0	0	34	0	0	0	0	0
August 2052	4	0	0	0	0	0	16	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
August 2053	0	0	0	0	0	0	8	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
August 2054	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average	10.2	0.2	2.0	2.7	2.0	1.6	20.5	11 4	<i>5</i> 0	2 4	2.6	1.0	177	76	2.2	2.2	1 7	1.4	26.0	17 6	6.8	4.4	2.1	25
Life (years)	19.2	9.3	3.9	Z./	2.0	1.6	20.5	11.4	5.0	3.4	2.4	1.9	17.7	7.6	3.2	2.3	1.7	1.4	20.9	17.4	0.8	4.4	3.1	2.5

•			Clas	ss QK					Cla	ss QL					Clas	s QY					Clas	s YQ		
Distribution Date	0%	100%	350%	580%	900%	1,200%	0%	100%	350%	580%	900%	1,200%	0%	100%	350%	580%	900%	1,200%	0%	100%	350%	580%	900%	1,200%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
August 2025	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
August 2026		100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
August 2027	100	100	100	100	100	0	100	100	100	100	100	95	100	100		100	98	47	100	100	100	100	100	56
August 2028		100	100	100	0	Ő	100	100	100	100	89	26	100	100		100	44	13	100	100	100	100	53	16
August 2029	100	100	100	62	ŏ	Ŏ	100	100	100	100	40	7	100	100	100	71	20	4	100	100	100	85	24	4
August 2030	100	100	100	0	0	0	100	100	100	92	18	2	100	100		46	9	1	100	100	100	54	11	1
August 2031	100	100	100	0	0	0	100	100	100	59	8	1	100	100	88	29	4	0	100	100	100	35	5	0
August 2032	100	100	54	Ŏ	Ö	Ö	100	100	100	38	4	0	100	100	68	19	2	Ö	100	100	81	22	2	Ŏ
August 2033	100	100	9	0	0	0	100	100	100	24	2	0	100	100	53	12	1	0	100	100	63	14	1	0
August 2034	100	100	0	0	0	0	100	100	82	15	1	0	100	100	41	8	0	0	100	100	49	9	0	0
August 2035	100	100	0	0	0	0	100	100	63	10	0	0	100	100	31	5	0	0	100	100	37	6	0	0
August 2036	100	100	0	0	0	0	100	100	48	6	0	0	100	100	24	3	0	0	100	100	29	4	0	0
August 2037	100	100	0	0	0	0	100	100	37	4	0	0	100	100	19	2	0	0	100	100	22	2	0	0
August 2038	100	100	0	0	0	0	100	100	28	2	0	0	100	100	14	1	0	0	100	100	17	1	0	0
August 2039	100	100	0	0	0	0	100	100	22	2	0	0	100	100	11	1	0	0	100	100	13	1	0	0
August 2040	100	100	0	0	0	0	100	100	16	1	0	0	100	100	8	0	0	0	100	100	10	1	0	0
August 2041	100	100	0	0	0	0	100	100	12	1	0	0	100	96	6	0	0	0	100	100	7	0	0	0
August 2042	100	100	0	0	0	0	100	100	9	0	0	0	100	86	5	0	0	0	100	100	5	0	0	0
August 2043		76	0	0	0	0	100	100	7	0	0	0	100	76	3	0	0	0	100	90	4	0	0	0
August 2044		49	0	0	0	0	100	100	5	0	0	0	100	67	3	0	0	0	100	79	3	0	0	0
August 2045		23	0	0	0	0	100	100	4	0	0	0	100	58	2	0	0	0	100	69	2	0	0	0
August 2046		0	0	0	0	0	100	99	3	0	0	0	100	50		0	0	0	100	59	2	0	0	0
August 2047		0	0	0	0	0	100	84	2	0	0	0	100	42	1	0	0	0	100	50	1	0	0	0
August 2048		0	0	0	0	0	100	69	1	0	0	0	100	34	1	0	0	0	100	41	1	0	0	0
August 2049	100	0	0	0	0	0	100	55	1	0	0	0	100	27	0	0	0	0	100	33	1	0	0	0
August 2050	100	0	0	0	0	0	100	42	1	0	0	0	100	21	0		0	0	100	25	0	0	0	0
August 2051	100	0	0	0	0	0	100	29	0	0	0	0	89	15	0	0	0	0	100	17	0	0	0	0
August 2052	36	0	0	0	0	0	100	17	0	0	0	0	62	9		0	0	0	74	10	0	0	0	0
August 2053	0	0	0	0	0	0	65	6	0	0	0	0	32	3			0	0	38	4	0	0	0	0
August 2054	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average																								
Life (years)	27.8	20.0	8.1	5.2	3.5	2.8	29.2	25.5	12.9	8.0	5.1	3.7	28.4	22.3	10.3	6.5	4.2	3.2	28.7	23.3	11.0	6.9	4.5	3.3

Security Group 19 PSA Prepayment Assumption Rates

	Cla	isses CA,	CD, CE, and CO	CG, CH,	CI			Class CB	1		Classe	s CJ, CK,	CL, CM,	CN, IC a	nd OC
Distribution Date	0%	100%	130%	250%	400%	0%	100%	130%	250%	400%	0%	100%	130%	250%	400%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
August 2025	95	88	85	77	66	100	100	100	100	100	95	89	87	80	70
August 2026	89	76	72	58	42	100	100	100	100	100	90	79	75	63	48
August 2027	83	65	60	42	23	100	100	100	100	100	85	69	64	48	32
August 2028	77	55	49	29	10	100	100	100	100	100	79	60	55	37	20
August 2029	70	45	39	18	1	100	100	100	100	100	74	51	46	27	12
August 2030	63	37	30	9	0	100	100	100	100	59	68	44	38	19	7
August 2031	56	28	22	2	0	100	100	100	100	33	61	36	30	13	4
August 2032	49	21	14	0	0	100	100	100	78	23	54	29	24	9	3
August 2033	41	13	7	0	0	100	100	100	45	15	47	23	18	5	2
August 2034	33	7	2	0	0	100	100	100	31	10	40	17	13	3	1
August 2035	24	1	0	0	0	100	100	75	22	6	32	12	8	2	1
August 2036	15	0	0	0	0	100	67	45	15	4	24	7	5	2	0
August 2037	5	0	0	0	0	100	40	27	9	2	16	4	3	1	0
August 2038	0	0	0	0	0	70	20	14	4	1	8	2	2	0	0
August 2039	0	0	0	0	0	32	6	4	1	0	4	1	0	0	0
August 2040	0	0	0	0	0	7	0	0	0	0	1	0	0	0	0
August 2041	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
August 2042	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
August 2043	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
August 2044	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
August 2045	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	7.5	4.9	4.3	2.8	1.9	14.6	12.8	12.2	9.6	7.0	8.3	5.7	5.2	3.6	2.5

Security Group 20 PSA Prepayment Assumption Rates

		13A1	Classes F	t and et	naics	
Distribution Date	0%	100%	350%	580%	900%	1,200%
Initial Percent	100	100	100	100	100	100
August 2025	99	97	94	90	85	81
August 2026	98	93	80	69	55	42
August 2027	97	86	63	45	26	12
August 2028	96	80	49	29	12	3
August 2029	95	74	38	19	5	1
August 2030	94	68	30	12	2	0
August 2031	92	63	23	8	1	0
August 2032	91	58	18	5 3	0	0
August 2033	89	54	14	3	0	0
August 2034	88	49	11	2	0	0
August 2035	86	45	8	1	0	0
August 2036	84	41	6	1	0	0
August 2037	82	38	5 4	1	0	0
August 2038	79	34		0	0	0
August 2039	77	31	3	0	0	0
August 2040	74	28	2	0	0	0
August 2041	71	25	2	0	0	0
August 2042	68	22	1	0	0	0
August 2043	64	20	1	0	0	0
August 2044	60	17	1	0	0	0
August 2045	56	15	0	0	0	0
August 2046	52	13	0	0	0	0
August 2047	47	11	0	0	0	0
August 2048	42	9	0	0	0	0
August 2049	36	7	0	0	0	0
August 2050	30	5	0	0	0	0
August 2051	23	4	0	0	0	0
August 2052	16	2	0	0	0	0
August 2053	8	1	0	0	0	0
August 2054	0	0	0	0	0	0
Weighted Average						
Life (years)	20.5	11.4	5.0	3.4	2.4	1.9

Security Group 21 PSA Prepayment Assumption Rates

	Cla	sses BA, F	BH, BJ, I BO and II		вм,	Cla		BP, BQ, )B and X		BV,			Class BY	-	
Distribution Date	0%	100%	140%	250%	400%	0%	100%	140%	250%	400%	0%	100%	140%	250%	400%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
August 2025	95	88	85	78	67	95	89	86	79	69	100	100	100	100	100
August 2026	89	76	72	59	43	90	78	73	62	47	100	100	100	100	100
August 2027	83	66	59	44	26	84	68	62	47	30	100	100	100	100	100
August 2028	77	56	48	31	13	78	59	52	35	18	100	100	100	100	100
August 2029	70	46	38	20	6	72	50	42	25	12	100	100	100	100	100
August 2030	63	38	29	12	2	66	42	34	17	8	100	100	100	100	100
August 2031	56	30	21	7	0	59	34	26	13	5	100	100	100	100	84
August 2032	48	22	14	4	0	52	27	20	10	3	100	100	100	100	54
August 2033	40	15	9	1	0	44	20	15	7	2	100	100	100	100	36
August 2034	32	9	5	0	0	36	15	11	5	1	100	100	100	73	24
August 2035	23	5	2	0	0	27	11	8	3	1	100	100	100	51	15
August 2036	13	1	0	0	0	18	7	5	2	1	100	100	82	34	9
August 2037	5	0	0	0	0	11	5	3	1	0	100	73	52	20	5
August 2038	0	0	0	0	0	6	2	2	1	0	89	37	26	9	2
August 2039	0	0	0	0	0	1	1	0	0	0	23	9	6	2	0
August 2040	0	0	0	0	0	0	0	0	0	0	5	2	1	0	0
August 2041	0	0	0	0	0	0	0	0	0	0	3	1	1	0	0
August 2042	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
August 2043	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
August 2044	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
August 2045	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average	7 4	5.0	4.3	3.0	2.1	7.9	5.6	4.9	3.6	2.5	1 4 7	12.0	12.2	11 4	8.8
Life (years)	7.4	5.0	4.5	5.0	∠.1	7.9	5.0	4.9	5.0	4.5	14.7	13.8	13.2	11.4	8.8

Security Group 22 PSA Prepayment Assumption Rates

						10111	Tepayin	C111 11330	mpuon	itutes					
	Cla	Classes AC, AE, AG, AH, AI, AJ, Classes IA, N, NG, NH, NJ, NK, NO, NU and NV							Class NY						
Distribution Date	0%	100%	140%	250%	400%	0%	100%	140%	250%	400%	0%	100%	140%	250%	400%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
August 2025	95	89	87	81	72	94	88	85	78	69	100	100	100	100	100
August 2026	89	79	75	65	52	88	77	72	61	46	100	100	100	100	100
August 2027	84	70	64	51	37	82	66	60	46	29	100	100	100	100	100
August 2028	78	61	55	41	26	75	56	49	34	17	100	100	100	100	100
August 2029	71	52	46	32	18	68	47	40	24	9	100	100	100	100	100
August 2030	65	45	38	24	12	61	38	31	16	2	100	100	100	100	100
August 2031	58	37	31	18	8	53	30	23	9	0	100	100	100	100	81
August 2032	50	31	25	14	6	44	22	16	4	0	100	100	100	100	53
August 2033	43	24	19	10	4	36	16	10	0	0	100	100	100	95	35
August 2034	35	19	15	7	2	27	9	5	0	0	100	100	100	66	22
August 2035	27	14	10	5	1	18	4	0	0	0	100	100	98	43	13
August 2036	19	9	7	3	1	9	0	0	0	0	100	86	63	26	7
August 2037	10	5	3	1	0	0	0	0	0	0	100	45	32	12	3
August 2038	2	1	1	0	0	0	0	0	0	0	23	10	7	2	1
August 2039	0	0	0	0	0	0	0	0	0	0	2	1	1	0	0
August 2040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
August 2041	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
August 2042	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
August 2043	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
August 2044	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
August 2045	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average															
Life (years)	7.8	5.8	5.3	4.0	2.9	7.1	5.0	4.4	3.2	2.2	13.7	12.9	12.5	10.9	8.6

Security Group 23 PSA Prepayment Assumption Rates

	Classe	s PA, PB, PJ,	PC, PD, PK and		PH, PI,		Class PZ					Class UZ			
Distribution Date	0%	140%	200%	350%	400%	0%	140%	200%	350%	400%	0%	140%	200%	350%	400%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
August 2025	97	94	94	94	94	106	106	106	106	106	106	106	103	95	92
August 2026	93	84	84	84	84	113	113	113	113	113	113	113	101	72	62
August 2027	90	70	70	70	70	120	120	120	120	120	120	120	96	42	25
August 2028	86	57	57	57	57	127	127	127	127	127	127	127	95	24	3
August 2029	81	45	45	45	43	135	135	135	135	135	135	135	96	16	Õ
August 2030	77	34	34	34	32	143	143	143	143	143	143	143	99	16	0
August 2031	72	24	24	24	23	152	152	152	152	152	152	146	100	17	0
August 2032	67	17	17	17	17	161	161	161	161	161	161	146	98	18	0
August 2033	62	11	11	11	12	171	171	171	171	171	171	143	94	19	0
August 2034	56	6	6	6	9	182	182	182	182	182	182	138	90	20	0
August 2035	49	2	2	2	6	193	193	193	193	193	193	132	85	21	0
August 2036	43	0	0	0	4	205	136	136	136	205	205	125	80	23	0
August 2037	36	0	0	0	2	218	0	0	0	218	218	115	72	20	0
August 2038	28	0	0	0	1	231	0	0	0	231	231	101	61	15	0
August 2039	20	0	0	0	0	245	0	0	0	239	245	89	51	12	0
August 2040	11	0	0	0	0	261	0	0	0	174	261	78	43	9	0
August 2041	2	0	0	0	0	277	0	0	0	126	277	68	36	7	0
August 2042	0	0	0	0	0	0	0	0	0	91	277	59	30	5	0
August 2043	0	0	0	0	0	0	0	0	0	65	262	51	25	4	0
August 2044	0	0	0	0	0	0	0	0	0	46	246	43	20	3	0
August 2045	0	0	0	0	0	0	0	0	0	32	229	37	17	2	0
August 2046	0	0	0	0	0	0	0	0	0	22	211	30	13	1	0
August 2047	0	0	0	0	0	0	0	0	0	15	191	25	10	1	0
August 2048	0	0	0	0	0	0	0	0	0	10	169	20	8	1	0
August 2049	0	0	0	0	0	0	0	0	0	6	146	15	6	0	0
August 2050	0	0	0	0	0	0	0	0	0	4	121	11	4	0	0
August 2051	0	0	0	0	0	0	0	0	0	2	94	7	3	0	0
August 2052	0	0	0	0	0	0	0	0	0	1	65	4	1	0	0
August 2053	0	0	0	0	0	0	0	0	0	0	34	1	0	0	0
August 2054	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average															
Life (years)	10.2	5.0	5.0	5.0	5.0	17.3	12.1	12.1	12.1	17.9	24.7	17.3	15.0	5.4	2.3

Security Group 24 PSA Prepayment Assumption Rates

	Classe	es FW, IW WJ,	7, KT, SW WK and		F, WH,	Clas	ses WA,	WC, WE	, WG and	d WI			Class WI	3	
Distribution Date	0%	100%	345%	500%	700%	0%	100%	345%	500%	700%	0%	100%	345%	500%	700%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
August 2025	99	98	94	92	90	99	97	92	89	86	100	100	100	100	100
August 2026	98	93	81	74	66	97	90	74	64	52	100	100	100	100	100
August 2027	97	86	64	52	39	96	81	50	33	15	100	100	100	100	100
August 2028	96	80	50	36	22	94	72	31	11	0	100	100	100	100	78
August 2029	95	74	39	25	13	93	64	15	0	0	100	100	100	88	45
August 2030	93	68	31	17	7	91	56	3	0	0	100	100	100	61	25
August 2031	92	63	24	12	4	89	48	0	0	0	100	100	84	42	15
August 2032	90	58	18	8	2	86	42	0	0	0	100	100	66	29	8
August 2033	89	53	14	6	1	84	35	0	0	0	100	100	51	20	5
August 2034	87	49	11	4	1	82	29	0	0	0	100	100	39	13	3
August 2035	85	45	9	3	0	79	23	0	0	0	100	100	30	9	1
August 2036	83	41	7	2	0	76	18	0	0	0	100	100	23	6	1
August 2037	80	37	5	1	0	73	13	0	0	0	100	100	18	4	0
August 2038	78	34	4	1	0	69	8	0	0	0	100	100	14	3	0
August 2039	75	30	3	1	0	66	3	0	0	0	100	100	10	2	0
August 2040	73	27	2	0	0	62	0	0	0	0	100	97	8	1	0
August 2041	70	25	2	0	0	58	0	0	0	0	100	87	6	1	0
August 2042	66	22	1	0	0	53	0	0	0	0	100	77	5	1	0
August 2043	63	19	1	0	0	48	0	0	0	0	100	68	3	0	0
August 2044	59	17	1	0	0	43	0	0	0	0	100	60	2	0	0
August 2045	55	15	1	0	0	37	0	0	0	0	100	52	2	0	0
August 2046	50	12	0	0	0	31	0	0	0	0	100	44	1	0	0
August 2047	46	10	0	0	0	24	0	0	0	0	100	37	1	0	0
August 2048	40	9	0	0	0	17	0	0	0	0	100	30	1	0	0
August 2049	35	7	0	0	0	9	0	0	0	0	100	24	0	0	0
August 2050	29	5	0	0	0	1	0	0	0	0	100	18	0	0	0
August 2051	22	3	0	0	0	0	0	0	0	0	80	12	0	0	0
August 2052	16	2	0	0	0	0	0	0	0	0	55	7	0	0	0
August 2053	8	1	0	0	0	0	0	0	0	0	29	2	0	0	0
August 2054	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average															
Life (years)	20.2	11.3	5.1	3.8	3.0	17.1	7.3	3.2	2.5	2.0	28.2	21.7	10.2	7.3	5.4

#### **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 Mortgage Loan prepayment rates under a variety of scenarios,
- in the case of the Group 19, 21 and 22 Securities, the investor's own projection of payment rates on the Underlying Certificates under a variety of scenarios and
- in the case of a Floating Rate or an Inverse Floating Rate Class, the investor's own projection of levels of 30-day Average SOFR under a variety of scenarios.

No representation is made regarding Mortgage Loan prepayment rates, Underlying Certificate payment rates, 30-day Average SOFR levels or the yield of any Class.

Prepayments: Effect on Yields

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

- In the case of Regular Securities 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 Securities or MX Securities purchased at a discount (especially the Principal Only Classes), slower than anticipated rates of principal payments could result in actual yields to investors that are lower than the anticipated yields.

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

Rapid rates of prepayments on the Mortgage Loans 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 Mortgage Loans 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 Mortgage Loans will not prepay at any constant rate until maturity, nor will all of the Mortgage Loans underlying any Trust Asset Group 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 Mortgage Loans, 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.

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

Low levels of 30-day Average SOFR can reduce the yield of the Floating Rate Classes. High levels of 30-day Average SOFR can reduce the yield of the Inverse Floating Rate Classes. In addition, the Floating Rate Classes will not necessarily benefit from a higher yield at high levels of 30-day Average SOFR and certain Inverse Floating Rate Classes may not benefit from particularly low levels of 30-day Average SOFR because the rate on such Classes is capped at a maximum rate described under "Terms Sheet — Interest Rates."

Payment Delay: Effect on Yields of the Fixed Rate Classes

The effective yield on any Fixed Rate 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 added to the principal amount of) that Class even though interest began to accrue approximately 46 or 50 days earlier, as applicable.

#### **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 PSA and, in the case of the Inverse Floating Rate Classes, at various constant levels of 30-day Average SOFR.

The Mortgage Loans will not prepay at any constant rate until maturity, and it is unlikely that 30-day Average SOFR will remain constant. Moreover, it is likely that the Mortgage Loans will experience actual prepayment 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 (in the case of interest-bearing Classes), 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 Inverse Floating Rate Class for each Accrual Period following the first Accrual Period will be based on the indicated level of 30-day Average SOFR and (2) the purchase price of each Class (expressed as a percentage of Original Class Principal Balance or original Class Notional Balance) plus accrued interest (in the case of interest-bearing Classes) 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 SA to Prepayments Assumed Price 9.5%\*

	PSA Prepayment Assumption Rates								
30-day Average SOFR	100%	400%	680%	1,050%	1,400%				
4.34410%	25.8%	10.0%	(5.6)%	(27.3)%	(48.9)%				
5.34410%	13.8%	(2.8)%	(19.5)%	(43.1)%	(67.0)%				
6.29705%	1.8%	(15.6)%	(33.4)%	(59.8)%	(87.6)%				
7.25000% and above	**	**	**	**	**				

#### Sensitivity of Class SC to Prepayments Assumed Price 6.5%\*

	PSA Prepayment Assumption Rates								
30-day Average SOFR	100%	400%	680%	1,050%	1,400%				
4.35231%	31.3%	15.8%	0.6%	(20.4)%	(41.3)%				
5.35231%	13.7%	(3.0)%	(19.6)%	(43.3)%	(67.2)%				
6.00116%	1.8%	(15.7)%	(33.5)%	(59.8)%	(87.7)%				
6.65000% and above	**	**	**	***	**				

# Sensitivity of Class TA to Prepayments Assumed Price 1.5%\*

	PSA Prepayment Assumption Rates							
30-day Average SOFR	100%	400%	680%	1,050%	1,400%			
6.65% and below	37.2%	22.0%	7.3%	(13.2)%	(33.4)%			
6.95%	14.0%	(2.6)%	(19.3)%	(42.9)%	(66.7)%			
7.25% and above	**	**	***	***	排排			

#### **SECURITY GROUP 2**

# Sensitivity of Class SB to Prepayments Assumed Price 5.5%\*

	PSA Prepayment Assumption Rates							
30-day Average SOFR	100%	400%	700%	1,050%	1,400%			
4.34410%	39.3%	24.7%	9.7%	(8.5)%	(27.3)%			
5.34410%	18.3%	2.3%	(14.7)%	(35.5)%	(57.2)%			
5.99705%	4.4%	(12.7)%	(31.3)%	(55.1)%	(80.8)%			
6.65000% and above	**	**	**	**	skak			

<sup>\*</sup> The price does not include accrued interest. Accrued interest has been added to the price in calculating the yields set forth in the table.

<sup>\*\*</sup> Indicates that investors will suffer a loss of virtually all of their investment.

#### **SECURITY GROUP 3**

#### Sensitivity of Class JS to Prepayments Assumed Price 5.0%\*

	PSA Prepayment Assumption Rates							
30-day Average SOFR	100%	350%	580%	900%	1,200%			
4.35353%	27.3%	14.6%	2.4%	(15.1)%	(32.1)%			
5.35353%	4.2%	(9.9)%	(23.8)%	(44.8)%	(66.1)%			
5.65177%	(3.9)%	(18.4)%	(32.8)%	(55.2)%	(79.1)%			
5.95000% and above	**	**	冰冰	3/4 3/4	**			

#### **SECURITY GROUP 5**

#### Sensitivity of Class MI to Prepayments Assumed Price 20.0%\*

PSA	Prepayment	Assumption	Rates

100%	300%	500%	750%	1,000%	1,144%
31.3%	29.6%	25.0%	16.7%	6.5%	0.0%

#### **SECURITY GROUP 6**

#### Sensitivity of Class BI to Prepayments Assumed Price 6.0%\*

#### **PSA Prepayment Assumption Rates**

100%	280%	450%	600%	1,287%
89.4%	74.5%	60.1%	48.0%	0.1%

#### **SECURITY GROUP 7**

# Sensitivity of Class HI to Prepayments Assumed Price 14.5%\*

#### **PSA Prepayment Assumption Rates**

100%	350%	550%	582%	700%
36.0%	17.9%	2.5%	0.1%	(8.6)%

#### Sensitivity of Class HS to Prepayments Assumed Price 6.25%\*

#### **PSA Prepayment Assumption Rates** 100% 550% 700% 30-day Average SOFR 350% 19.8% 6.7% (4.3)%(12.7)%(25.5)% 1.0% (13.3)% (35.1)% (20.5)% 5.65175% ..... (6.1)%(33.0)% (43.1)% \*\* \*\* \*\* 5.95000% and above .....

<sup>\*</sup> The price does not include accrued interest. Accrued interest has been added to the price in calculating the yields set forth in the table.

<sup>\*\*</sup> Indicates that investors will suffer a loss of virtually all of their investment.

# Sensitivity of Class IH to Prepayments Assumed Price 16.75%\*

PSA	Prepay	ment	Assum <sub>1</sub>	ption	Rates
-----	--------	------	--------------------	-------	-------

100%	350%	550%	622%	700%
30.9%	16.9%	4.5%	0.0%	(4.9)%

# Sensitivity of Class NI to Prepayments Assumed Price 17.75%\*

#### **PSA Prepayment Assumption Rates**

		· .		
100%	350%	550%	664%	700%
29.0%	16.5%	6.1%	0.0%	(1.9)%

# Sensitivity of Class SJ to Prepayments Assumed Price 4.25%

#### **PSA Prepayment Assumption Rates**

30-day Average SOFR	100%	350%	550%	700%
3.88025%	28.6%	16.0%	5.5%	(2.5)%
4.35350%	16.0%	2.6%	(8.6)%	(17.3)%
4.82675%	3.0%	(11.2)%	(23.3)%	(32.8)%
5.30000% and above	**	3[43]4	3[43]4	**

# Sensitivity of Class TJ to Prepayments Assumed Price 1.0%\*

# PSA Prepayment Assumption Rates

		1 ,	<u> </u>			
30-day Average SOFR	100%	350%	550%	700%		
5.30% and below	1.6%	(12.7)%	(24.8)%	(34.5)%		
5.35%	(5.7)%	(20.2)%	(32.6)%	(42.8)%		
5.40% and above	**	**	***	**		

#### **SECURITY GROUP 8**

#### Sensitivity of Class CS to Prepayments Assumed Price 7.5%\*

	* *				
30-day Average SOFR	100%	400%	700%	1,050%	1,400%
4.35113%	22.9%	4.4%	(16.0)%	(42.8)%	(74.4)%
5.35113%	7.9%	(10.7)%	(31.5)%	(59.6)%	(93.6)%
5.92557%	(1.6)%	(20.2)%	(41.2)%	(70.8)%	**
6.50000% and above	**	**	**	**	**

<sup>\*</sup> The price does not include accrued interest. Accrued interest has been added to the price in calculating the yields set forth in the table.

<sup>\*\*</sup> Indicates that investors will suffer a loss of virtually all of their investment.

# Sensitivity of Class TC to Prepayments Assumed Price 1.0%\*

PSA Pre	payment A	Assumpti	ion Rates
---------	-----------	----------	-----------

30-day Average SOFR	100%	400%	700%	1,050%	1,400%
6.50% and below	1.5%	(17.2)%	(38.3)%	(67.7)%	**
6.55%	(5.8)%	(24.2)%	(46.2)%	(77.4)%	**
6.60% and above	**	**	**	**	**

#### **SECURITY GROUP 9**

# Sensitivity of Class AS to Prepayments Assumed Price 8.0%\*

	PSA Prepayment Assumption Rates				
30-day Average SOFR	100%	137%	250%	400%	
4.34446%	23.7%	21.8%	16.0%	8.1%	
5.34446%	9.4%	7.4%	1.2%	(7.3)%	
5.99723%	(0.8)%	(2.9)%	(9.3)%	(18.2)%	
6.65000% and above	**	**	**	**	

#### Sensitivity of Class BS to Prepayments Assumed Price 6.0%\*

	<b>PSA Prepayment Assumption Rates</b>			
30-day Average SOFR	100%	137%	250%	400%
4.34446%	21.2%	19.3%	13.4%	5.5%
5.34446%	1.7%	(0.3)%	(6.7)%	(15.5)%
5.64723%	(5.6)%	(7.7)%	(14.1)%	(23.1)%
5.95000% and above	***	**	**	**

# Sensitivity of Class IL to Prepayments Assumed Price 16.5%\*

#### **PSA Prepayment Assumption Rates**

100%	137%	250%	400%	645%
31.6%	29.7%	23.5%	14.9%	0.0%

# Sensitivity of Class IN to Prepayments Assumed Price 17.5%\*

100%	137%	250%	400%	675%
29.6%	27.8%	22.1%	14.5%	0.0%

<sup>\*</sup> The price does not include accrued interest. Accrued interest has been added to the price in calculating the yields set forth in the table.

<sup>\*\*</sup> Indicates that investors will suffer a loss of virtually all of their investment.

#### Sensitivity of Class KI to Prepayments Assumed Price 12.5%\*

**PSA Prepayment Assumption Rates** 

100%	137%	250%	400%	612%
42.5%	39.7%	30.5%	17.5%	0.0%

#### Sensitivity of Class LI to Prepayments Assumed Price 13.75%\*

**PSA Prepayment Assumption Rates** 

100%	137%	250%	400%	622%
38.5%	36.1%	28.2%	16.8%	0.0%

# Sensitivity of Class S to Prepayments Assumed Price 4.5%

**PSA Prepayment Assumption Rates** 

	F / F			
30-day Average SOFR	100%	137%	250%	400%
3.89169%	24.9%	23.1%	17.3%	9.5%
4.34446%	13.5%	11.6%	5.5%	(2.8)%
4.79723%	1.6%	(0.4)%	(6.8)%	(15.6)%
5.25000% and above	**	非非	**	**

#### Sensitivity of Class TV to Prepayments Assumed Price 1.0%\*

**PSA Prepayment Assumption Rates** 

30-day Average SOFR	100%	137%	250%	400%
5.35% and below	1.6%	(0.4)%	(6.8)%	(15.6)%
5.40%	(5.7)%	(7.8)%	(14.2)%	(23.2)%
5.45% and above	ajt ajt	**	**	神神

#### Sensitivity of Class TW to Prepayments Assumed Price 1.0%\*

PSA Prepayment Assumption Rates

30-day Average SOFR	100%	137%	250%	400%
5.25% and below	1.5%	(0.5)%	(6.9)%	(15.7)%
5.30%	(5.7)%	(7.8)%	(14.3)%	(23.2)%
5.35% and above	**	**	**	**

#### **SECURITY GROUP 10**

# Sensitivity of Class IP to Prepayments Assumed Price 16.5%\*

100%	280%	382%	450%	600%
25.6%	9.8%	0.1%	(6.4)%	(20.4)%

<sup>\*</sup> The price does not include accrued interest. Accrued interest has been added to the price in calculating the yields set forth in the table.

<sup>\*\*</sup> Indicates that investors will suffer a loss of virtually all of their investment.

#### Sensitivity of Class KS to Prepayments Assumed Price 5.5%\*

	PSA Prepayment Assumption Rates			
30-day Average SOFR	100%	280%	450%	600%
4.35350%	40.4%	31.1%	22.0%	13.8%
5.35350%	19.5%	9.6%	(0.1)%	(9.0)%
6.05175%	4.8%	(5.6)%	(15.8)%	(25.3)%
6.75000% and above	**	**	***	**

#### Sensitivity of Class SM to Prepayments Assumed Price 12.5%\*

	PSA Prepayment Assumption Rates				
30-day Average SOFR	100%	280%	450%	600%	
4.35350%	11.3%	1.1%	(8.9)%	(18.1)%	
5.35350%	1.8%	(8.6)%	(19.0)%	(28.6)%	
6.00175%	(5.7)%	(16.1)%	(26.6)%	(36.4)%	
6.65000% and above	**	**	**	**	

# Sensitivity of Class TI to Prepayments Assumed Price 1.0%\*

	PSA Prepayment Assumption Rates				
30-day Average SOFR	100%	280%	450%	600%	
6.65% and below	1.3%	(9.1)%	(19.5)%	(29.1)%	
6.70%	(6.0)%	(16.5)%	(26.9)%	(36.8)%	
6.75% and above	**	**	**	**	

#### **SECURITY GROUP 11**

#### Sensitivity of Class DI to Prepayments Assumed Price 19.0%\*

**PSA Prepayment Assumption Rates** 

100%	350%	415%	580%	900%	1,200%
27.1%	5.9%	0.0%	(14.1)%	(37.9)%	(55.8)%

#### Sensitivity of Class DO to Prepayments Assumed Price 82.0%

100%	350%	<u>580%</u>	900%	1,200%
2.6%	6.2%	8.8%	11.7%	13.9%

<sup>\*</sup> The price does not include accrued interest. Accrued interest has been added to the price in calculating the yields set forth in the table.

<sup>\*\*</sup> Indicates that investors will suffer a loss of virtually all of their investment.

# Sensitivity of Class DS to Prepayments Assumed Price 11.0%\*

	<b>PSA Prepayment Assumption Rates</b>				
30-day Average SOFR	100%	350%	580%	900%	1,200%
4.35353%	14.7%	1.2%	(11.9)%	(31.0)%	(49.9)%
5.35353%	4.0%	(10.2)%	(24.1)%	(45.0)%	(66.4)%
6.00177%	(4.1)%	(18.5)%	(32.9)%	(55.4)%	(79.3)%
6.65000% and above	**	**	**	**	**

#### **SECURITY GROUP 12**

# Sensitivity of Class SD to Prepayments Assumed Price 6.0%\*

30-day Average SOFR	PSA Prepayment Assumption Rates				
	100%	400%	680%	1,050%	1,400%
4.35116%	34.9%	20.1%	5.8%	(13.8)%	(33.0)%
5.35116%	15.8%	(0.4)%	(16.4)%	(38.9)%	(61.1)%
6.00058%	3.0%	(14.2)%	(31.6)%	(57.1)%	(83.3)%
6.65000% and above	**	**	***	**	**

#### **SECURITY GROUP 14**

# Sensitivity of Class GI to Prepayments Assumed Price 18.25%\*

PSA Prepayment Assumption Rates							
100%	343%	345%	500%	700%			
24.4%	0.1%	(0.1)%	(15.7)%	(33.8)%			

# Sensitivity of Class ID to Prepayments Assumed Price 25.0%\*

PSA Prepayment Assumption Rates						
100%	345%	426%	500%	700%		
17.8%	4.6%	0.0%	(4.2)%	(15.9)%		

# Sensitivity of Class IG to Prepayments Assumed Price 20.25%\*

PSA Prepayment Assumption Rates						
100%	345%	360%	500%	700%		
22.1%	1.4%	0.1%	(12.6)%	(29.6)%		

<sup>\*</sup> The price does not include accrued interest. Accrued interest has been added to the price in calculating the yields set forth in the table.

<sup>\*\*</sup> Indicates that investors will suffer a loss of virtually all of their investment.

#### Sensitivity of Class IJ to Prepayments Assumed Price 20.25%\*

**PSA Prepayment Assumption Rates** 

100%	345%	360%	500%	700%
22.1%	1.4%	0.1%	(12.6)%	(29.6)%

# Sensitivity of Class IX to Prepayments Assumed Price 25.0%\*

**PSA Prepayment Assumption Rates** 

100%	345%	426%	500%	700%
17.8%	4.6%	0.0%	(4.2)%	(15.9)%

# Sensitivity of Class JI to Prepayments Assumed Price 18.25%\*

**PSA Prepayment Assumption Rates** 

100%	343%	345%	500%	700%
24.4%	0.1%	(0.1)%	(15.7)%	(33.8)%

#### Sensitivity of Class SG to Prepayments Assumed Price 12.0%\*

**PSA Prepayment Assumption Rates** 

30-day Average SOFR	100%	345%	500%	700%
4.35116%	12.5%	(1.1)%	(10.1)%	(22.2)%
5.35116%	2.6%	(11.5)%	(20.9)%	(33.8)%
6.00058%	(5.0)%	(19.3)%	(28.9)%	(42.2)%
6.65000% and above	**	**	**	**

#### **SECURITY GROUP 15**

#### Sensitivity of Class IT to Prepayments Assumed Price 1.0%

30-day Average SOFR	100%	350%	600%	900%	1,200%
5.150% and below	(3.4)%	(18.4)%	(35.1)%	(58.1)%	(83.6)%
5.175%	(7.8)%	(22.8)%	(40.4)%	(65.0)%	(92.1)%
5.200% and above	**	**	**	**	**

<sup>\*</sup> The price does not include accrued interest. Accrued interest has been added to the price in calculating the yields set forth in the table.

<sup>\*\*</sup> Indicates that investors will suffer a loss of virtually all of their investment.

#### Sensitivity of Class SE to Prepayments Assumed Price 2.25%

30-day Average SOFR	PSA Prepayment Assumption Rates				
	100%	350%	600%	900%	1,200%
3.95530%	52.1%	39.8%	27.1%	11.3%	(5.0)%
4.35353%	31.6%	18.5%	4.8%	(12.3)%	(30.3)%
4.75177%	11.8%	(2.4)%	(17.5)%	(37.0)%	(57.8)%
5.15000% and above	非非	**	**	**	**

#### **SECURITY GROUP 16**

# Sensitivity of Class GS to Prepayments Assumed Price 2.5%\*

	PSA Prepayment Assumption Rates				
30-day Average SOFR	100%	400%	650%	1,000%	1,300%
4.35283%	62.8%	46.1%	31.5%	9.5%	(10.9)%
5.35283%	16.5%	(1.4)%	(17.6)%	(42.5)%	(66.5)%
5.62642%	4.2%	(14.2)%	(31.1)%	(57.8)%	(84.4)%
5.90000% and above	**	**	**	**	**

#### **SECURITY GROUP 17**

# Sensitivity of Class ST to Prepayments Assumed Price 2.75%\*

30-day Average SOFR	PSA Prepayment Assumption Rates				
	100%	400%	650%	1,000%	1,300%
4.35353%	51.3%	25.3%	6.9%	9.2%	(8.2)%
5.35353%	6.1%	(29.4)%	(51.6)%	(41.2)%	(64.2)%
5.62677%	(9.4)%	(50.9)%	(74.7)%	(56.7)%	(82.8)%
5.90000% and above	**	**	**	**	**

# Sensitivity of Class TG to Prepayments Assumed Price 1.0%\*

		PSA Prepa	yment Assum	ption Rates	
30-day Average SOFR	100%	400%	650%	1,000%	1,300%
5.90% and below	(13.3)%	(56.5)%	(80.8)%	(60.3)%	(87.2)%
5.94%	(23.5)%	(71.3)%	(96.6)%	(68.8)%	(97.7)%
5.98% and above	**	**	**	**	**

<sup>\*</sup> The price does not include accrued interest. Accrued interest has been added to the price in calculating the yields set forth in the table.

<sup>\*\*</sup> Indicates that investors will suffer a loss of virtually all of their investment.

#### Sensitivity of Class TS to Prepayments Assumed Price 3.0%\*

	<b>PSA Prepayment Assumption Rates</b>						
30-day Average SOFR	100%	400%	650%	1,000%	1,300%		
4.35353%	48.9%	22.6%	4.1%	6.5%	(11.1)%		
5.35353%	7.5%	(27.6)%	(49.6)%	(39.7)%	(62.5)%		
5.66677%	(8.5)%	(49.5)%	(73.3)%	(55.9)%	(81.7)%		
5 98000% and above	**	**	3/4:3/4	***	**		

#### **SECURITY GROUPS 16 AND 17**

# Sensitivity of Class SK to Prepayments Assumed Price 2.5%\*

	PSA Prepayment Assumption Rates						
30-day Average SOFR	100%	400%	650%	1,000%	1,300%		
4.3530%	61.7%	43.5%	28.3%	11.4%	(8.1)%		
5.3530%	15.1%	(4.2)%	(20.8)%	(41.4)%	(65.0)%		
5.6265%	2.8%	(16.4)%	(33.5)%	(57.1)%	(83.4)%		
5.9000% and above	**	**	**	**	**		

#### **SECURITY GROUP 18**

# Sensitivity of Class EI to Prepayments Assumed Price 14.5%\*

PSA Prepayment Assumption Rates									
100%	350%	580%	612%	900%	1,200%				
39.7%	20.7%	2.5%	0.1%	(20.1)%	(37.8)%				

# Sensitivity of Class I to Prepayments Assumed Price 18.75%\*

PSA Prepayment Assumption Rates								
100%	350%	580%	686%	900%	1,200%			
30.1%	17.6%	5.7%	0.0%	(11.5)%	(28.2)%			

#### Sensitivity of Class IE to Prepayments Assumed Price 16.0%\*

PSA Prepayment Assumption Rates									
100%	350%	580%	629%	900%	1,200%				
35.8%	19.7%	3.5%	0.1%	(17.9)%	(35.5)%				

<sup>\*</sup> The price does not include accrued interest. Accrued interest has been added to the price in calculating the yields set forth in the table.

<sup>\*\*</sup> Indicates that investors will suffer a loss of virtually all of their investment.

#### Sensitivity of Class IM to Prepayments Assumed Price 16.75%\*

#### **PSA Prepayment Assumption Rates**

100%	350%	580%	790%	900%	1,200%
34.9%	22.6%	10.9%	0.0%	(5.8)%	(22.0)%

# Sensitivity of Class IQ to Prepayments Assumed Price 12.5%\*

#### **PSA Prepayment Assumption Rates**

100%	350%	580%	766%	900%	1,200%
48.2%	30.5%	13.2%	0.0%	(8.7)%	(26.3)%

# Sensitivity of Class IY to Prepayments Assumed Price 14.0%\*

#### **PSA Prepayment Assumption Rates**

100%	350%	580%	756%	900%	1,200%
42.6%	27.2%	11.7%	0.0%	(9.0)%	(26.3)%

#### Sensitivity of Class LS to Prepayments Assumed Price 7.25%\*

#### **PSA Prepayment Assumption Rates**

30-day Average SOFR	100%	350%	580%	900%	1,200%
4.34446%	27.2%	14.5%	2.4%	(15.1)%	(32.1)%
5.34446%	11.4%	(2.3)%	(15.6)%	(35.2)%	(54.7)%
5.99723%	0.4%	(13.9)%	(28.0)%	(49.6)%	(72.0)%
6.65000% and above	**	**	**	**	**

# Sensitivity of Class QI to Prepayments Assumed Price 12.0%\*

#### **PSA Prepayment Assumption Rates**

100%	350%	580%	759%	900%	1,200%
50.2%	31.2%	13.1%	0.0%	(9.4)%	(27.2)%

#### Sensitivity of Class YS to Prepayments Assumed Price 8.25%\*

30-day Average SOFR	100%	350%	580%	900%	1,200%
4.34446%	22.7%	9.8%	(2.6)%	(20.7)%	(38.2)%
5.34446%	8.9%	(5.0)%	(18.5)%	(38.6)%	(58.7)%
5.99723%	(1.1)%	(15.4)%	(29.7)%	(51.6)%	(74.5)%
6.65000% and above	**	**	**	**	**

<sup>\*</sup> The price does not include accrued interest. Accrued interest has been added to the price in calculating the yields set forth in the table.

<sup>\*\*</sup> Indicates that investors will suffer a loss of virtually all of their investment.

#### **SECURITY GROUP 19**

#### Sensitivity of Class CI to Prepayments Assumed Price 15.75%\*

**PSA Prepayment Assumption Rates** 

100%	130%	182%	250%	400%
10.0%	6.5%	0.1%	(9.3)%	(32.7)%

#### Sensitivity of Class CO to Prepayments Assumed Price 82.0%

**PSA Prepayment Assumption Rates** 

100%	130%	250%	400%
4.3%	4.9%	7.5%	11.3%

#### Sensitivity of Class IC to Prepayments Assumed Price 18.0%\*

**PSA Prepayment Assumption Rates** 

100%	130%	208%	250%	400%
9.3%	6.8%	0.0%	(3.7)%	(17.3)%

# Sensitivity of Class OC to Prepayments Assumed Price 79.25%

**PSA Prepayment Assumption Rates** 

	1 /		
100%	130%	250%	400%
4.3%	4.8%	7.1%	10.6%

#### **SECURITY GROUP 20**

# Sensitivity of Class SL to Prepayments Assumed Price 3.75%

30-day Average SOFR	100%	350%	580%	900%	1,200%
3.88479%	33.3%	20.9%	9.2%	(7.7)%	(24.1)%
4.35319%	19.1%	5.9%	(6.8)%	(25.3)%	(43.4)%
4.82160%	4.7%	(9.4)%	(23.2)%	(44.1)%	(65.2)%
5.29000% and above	afeafe	**	**	**	**

<sup>\*</sup> The price does not include accrued interest. Accrued interest has been added to the price in calculating the yields set forth in the table.

<sup>\*\*</sup> Indicates that investors will suffer a loss of virtually all of their investment.

#### **SECURITY GROUP 21**

# Sensitivity of Class BO to Prepayments Assumed Price 81.75%

**PSA Prepayment Assumption Rates** 

100%	140%	250%	400%
4.3%	5.0%	7.2%	10.7%

#### Sensitivity of Class IB to Prepayments Assumed Price 17.75%\*

**PSA Prepayment Assumption Rates** 

100%	140%	194%	250%	400%
10.3%	6.1%	0.1%	(6.6)%	(26.6)%

# Sensitivity of Class OB to Prepayments Assumed Price 80.0%

**PSA Prepayment Assumption Rates** 

100%	140%	250%	400%
4.3%	4.9%	6.9%	10.2%

# Sensitivity of Class XI to Prepayments Assumed Price 19.25%\*

**PSA Prepayment Assumption Rates** 

100%	140%	216%	250%	400%
9.8%	6.4%	0.1%	(2.8)%	(15.4)%

#### **SECURITY GROUP 22**

#### Sensitivity of Class AI to Prepayments Assumed Price 20.0%\*

**PSA Prepayment Assumption Rates** 

100%	140%	245%	250%	400%
9.8%	7.2%	0.0%	(0.3)%	(11.1)%

#### Sensitivity of Class AO to Prepayments Assumed Price 79.5%

	1 /	1	
100%	140%	250%	400%
4.2%	4.7%	6.3%	9.0%

<sup>\*</sup> The price does not include accrued interest. Accrued interest has been added to the price in calculating the yields set forth in the table.

#### Sensitivity of Class IA to Prepayments Assumed Price 17.5%\*

**PSA Prepayment Assumption Rates** 

100%	140%	212%	250%	400%
10.9%	7.2%	0.0%	(4.1)%	(22.2)%

# Sensitivity of Class NO to Prepayments Assumed Price 82.0%

**PSA Prepayment Assumption Rates** 

100%	140%	250%	400%
4.2%	4.8%	6.7%	9.8%

#### **SECURITY GROUP 23**

#### Sensitivity of Class PI to Prepayments Assumed Price 16.5%\*

**PSA Prepayment Assumption Rates** 

140%	200%	350%	400%	892%
21.4%	21.4%	21.4%	21.4%	0.0%

#### **SECURITY GROUP 24**

#### Sensitivity of Class IW to Prepayments Assumed Price 12.5%\*

**PSA Prepayment Assumption Rates** 

1000/	2/50/	5000/	<b>=</b> 0.00/	1.0020/
100%	345%	500%	700%	1,082%
45.5%	34.5%	27.4%	18.1%	0.0%

# Sensitivity of Class SW to Prepayments Assumed Price 3.0%

30-day Average SOFR	100%	345%	500%	700%
3.85479%	47.7%	36.7%	29.7%	20.5%
4.35319%	28.4%	16.5%	8.7%	(1.6)%
4.85160%	9.5%	(3.8)%	(12.5)%	(24.3)%
5.35000% and above	**	**	**	**

<sup>\*</sup> The price does not include accrued interest. Accrued interest has been added to the price in calculating the yields set forth in the table.

<sup>\*\*</sup> Indicates that investors will suffer a loss of virtually all of their investment.

# Sensitivity of Class TD to Prepayments Assumed Price 1.0%\*

	PSA Prepayment Assumption Rates				
30-day Average SOFR	100%	345%	500%	700%	
5.35% and below	1.6%	(12.2)%	(21.4)%	(34.0)%	
5.40%	(5.8)%	(19.8)%	(29.3)%	(42.4)%	
5.45% and above	**	**	**	**	

#### Sensitivity of Class WI to Prepayments Assumed Price 8.0%\*

#### **PSA Prepayment Assumption Rates**

100%	345%	500%	700%	1,365%
75.7%	59.9%	49.5%	36.5%	0.0%

<sup>\*</sup> The price does not include accrued interest. Accrued interest has been added to the price in calculating the yields set forth in the table.

#### 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 for United States federal income tax purposes. Separate REMIC elections will be made for the Pooling REMIC and the Issuing REMIC.

#### **Regular Securities**

The Regular Securities will be treated as debt instruments issued by the Issuing REMIC for United States federal income tax purposes. Income on the Regular Securities must be reported under an accrual method of accounting.

The Notional and Accrual Classes of Regular Securities will be issued with original issue discount ("OID"), and certain other Classes of Regular Securities may be issued with 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.

<sup>\*\*</sup> Indicates that investors will suffer a loss of virtually all of their investment.

The prepayment assumption that should be used in determining the rates of accrual of OID, if any, on the Regular Securities (as described in "Yield, Maturity and Prepayment Considerations" in this Supplement) is as follows:

Group(s)	<u>PSA</u>
1 and 12	680%
2 and 8	700%
3, 11, 18 and 20	580%
4 and 7	350%
5	500%
6, 10 and 13	280%
9	137%
14 and 24	345%
15	600%
16 and 17	650%
19	130%
21 and 22	140%
23	200%

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 Mortgage Loans underlying any Group of Trust Assets actually will occur or the level of 30-day Average SOFR at any time after the date of this Supplement. See "Certain United States Federal Income Tax Consequences" in the Base Offering Circular.

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

#### **Residual Securities**

The Class RR Securities will represent the beneficial ownership of the Residual Interest in the Pooling REMIC and the beneficial ownership of the Residual Interest in the 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 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 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 assumption 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, if any, from (1) August 1, 2024 on the Fixed Rate Classes and (2) August 20, 2024 on the Floating Rate and Inverse Floating Rate Classes. The Sponsor may effect these transactions by sales to or through certain securities dealers. These dealers may receive compensation in the form of discounts, concessions or commissions from the Sponsor and/or commissions from any purchasers for which they act as agents. Some of the Securities may be sold through dealers in relatively small sales. In the usual case, the commission charged on a relatively small sale of securities will be a higher percentage of the sales price than that charged on a large sale of securities.

#### **INCREASE IN SIZE**

Before the Closing Date, Ginnie Mae, the Trustee and the Sponsor may agree to increase the size of this offering. In that event, the Securities will have the same characteristics as described in this Supplement, except that (1) the Original Class Principal Balance (or original Class Notional Balance) and (2) the Scheduled Principal Balances or Aggregate Scheduled Principal Balances of each Class receiving principal distributions or interest distributions based upon a notional balance from the same Trust Asset Group will increase by the same proportion. The Trust Agreement, the Final Data Statement, the Final Schedules 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)

MX Securities	ginal Class Original Class Principal Balance hotional Related or Class Notional AX Class Balance(2) Type(3) Rate Type(3) Number	,806,000 JT \$21,010,821 PT 5.00% FIX 38384UZC6 August 2054 ,036,000 ,168,821	,058,846 Z \$13,227,667 SEQ 5.00% FIX/Z 38384UZD4 ;168,821	5.97,000 JL \$15,655,846 SEQ 5.00% FIX 38384UZE2 August 2054,058,846	,597,000 JY \$22,860,667 SEQ 5.00% FIX 38384UZF9 ,058,846 ,036,000 ,168,821	1,175,702         MC         \$10,175,702         SEQ         4.50%         FIX         38384UZG7           MD         10,175,702         SEQ         5.00         FIX         38384UZH5           ME         10,175,702         SEQ         5.00         FIX         38384UZHS           MG         10,175,702         SEQ         5.25         FIX         38384UZK8           MH         10,175,702         SEQ         5.50         FIX         38384UZKS
M	'					
	'	\$21,010,821	\$13,227,667	\$15,655,846	\$22,860,667	\$10,175,702 10,175,702 10,175,702 10,175,702 10,175,702
	Related MX Clas	JT	Z	JL	Y	MC MD ME MG MH
	Original Class Principal Balance or Class Notional Balance	\$13,806,000 3,036,000 4,168,821	\$ 9,058,846 4,168,821	\$ 6,597,000 9,058,846	\$ 6,597,000 9,058,846 3,036,000 4,168,821	\$10,175,702
REMIC Securities	Class	Security Group 3  Combination 1  JC  VJ  Zj  Combination 2	Combination 3	JV JZ Combination 4	JV JZ VJ ZJ Security Group 5 Combination 5(6)	KY

REMIC Securities				M	MX Securities			
7	Original Class Principal Balance or Class Notional	Related	Maximum Original Class Principal Balance or Class Notional	Principal	Interest	Interest	CUSIP	Final Distribution
Class	Balance	MX Class	Balance(2)	Type(3)	Rate	Type(3)	Number	Date(4)
<b>Security Group 6</b> Combination 6(6)								
В	\$ 28,395,000	BD	\$ 28,395,000	SEQ/AD	4.50%	FIX	38384UZP7	December 2038
		BE	28,395,000	SEQ/AD	5.00	FIX	38384UZQ5	December 2038
		BG	18,930,000	SEQ/AD	00.9	FIX	38384UZR3	December 2038
		BI	5,162,727	NTL(SEQ/AD)	5.50	FIX/IO	38384UZS1	December 2038
		BW	28,395,000	SEQ/AD	4.75	FIX	38384UZT9	December 2038
		BX	28,395,000	SEQ/AD	5.25	FIX	38384UZU6	December 2038
		XB	22,716,000	SEQ/AD	5.75	FIX	38384UZV4	December 2038
Security Group 7								
Combination 7(0) HA	\$106,340,000	HC	\$106,340,000	SEO	4.50%	FIX	38384UZW2	April 2052
		HD	106,340,000	SEQ	4.75	FIX	38384UZX0	April 2052
		HE	70,893,333	SEQ	5.25	FIX	38384UZY8	April 2052
		HG	53,170,000	$\widetilde{\mathrm{SEQ}}$	5.50	FIX	38384UZZ5	April 2052
		IHI	8,861,666	NTL(SEQ)	00.9	FIX/IO	38384UA25	April 2052
Combination 8(6)								
HA	\$106,340,000	HĴ	\$123,589,000	SEQ	4.50%	FIX	38384UA33	January 2054
HB	17,249,000	HK	123,589,000	SEQ	4.75	FIX	38384UA41	January 2054
		HM	123,589,000	SEQ	5.00	FIX	38384UA58	January 2054
		HN	82,392,666	SEQ	5.25	FIX	38384UA66	January 2054
		HP	61,794,500	SEQ	5.50	FIX	38384UA74	January 2054
Combination 0		Ħ	10,299,085	NIL(SEQ)	00.00	FIX/IO	28284∪A82	January 2054
HB	\$ 17.249,000	НУ	\$ 23,660,000	SEO	2 00%	FIX	3838411A90	August 2054
H	6,411,000	i i	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	y [		1		
Combination 10(6)								
HA	\$106,340,000	NA	\$130,000,000	PT	4.50%	FIX	38384UB24	August 2054
HB	17,249,000	NB	130,000,000	PT	4.75	FIX	38384UB32	August 2054
HL	6,411,000	NC	130,000,000	PT	5.00	FIX	38384UB40	August 2054
		ND	999'999'98	PT	5.25	FIX	38384UB57	August 2054
		NE	65,000,000	PT	5.50	FIX	38384UB65	August 2054
		N	10,833,333	NTL(PT)	00.9	FIX/IO	38384UB73	August 2054

REMIC Securities				N	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)
Combination 11			,					,
FJ	\$ 10,000,000 10,000,000	FH	\$ 10,000,000	PT	(5)	FLT	38384UB81	August 2054
Combination 12								
FJ TJ	\$150,000,000 150,000,000	H	\$150,000,000	PT	(5)	FLT	38384UB99	August 2054
Security Group 9  Combination 13								
KB	\$ 15,273,000	TG	\$ 48,124,000	SEQ	5.00%	FIX	38384UC23	August 2054
LB	25,521,000 7.330.000							
Combination 14(6)								
K	\$126,876,000	LA	\$142,149,000	SEQ	5.00%	FIX	38384U8K8	March 2052
KB	15,273,000	$\Gamma$ C	142,149,000	SEQ	4.75	FIX	38384UC31	March 2052
		TD	142,149,000	SEQ	4.00	FIX	38384UC49	March 2052
		ΓE	142,149,000	SEQ	4.50	FIX	38384UC56	March 2052
		ΙΉ	113,719,200	SEQ	5.25	FIX	38384UC64	March 2052
		Π	23,691,500	NTL(SEQ)	00.9	FIX/IO	38384UC72	March 2052
		ĽÌ	94,766,000	SEQ	5.50	FIX	38384UC80	March 2052
Combination 15								
FV	\$100,000,000	$\Lambda$ F	\$100,000,000	PT	(5)	FLT	38384UC98	August 2054
TV	100,000,000							
Combination 10(6) K	\$126,876,000	KC	\$126,876,000	SEO	4.00%	FIX	38384UD22	November 2050
		KD	126,876,000	SEQ	4.50	FIX	38384UD30	November 2050
		KE	126,876,000	$\widetilde{ ext{SEQ}}$	4.75	FIX	38384UD48	November 2050
		KG	101,500,800	SEQ	5.25	FIX	38384UD55	November 2050
		KH	84,584,000	SEQ	5.50	FIX	38384UD63	November 2050
		KI	21,146,000	NTL(SEQ)	00.9	FIX/IO	38384UD71	November 2050
Combination 17								
LB	\$ 25,521,000 7.330.000	LY	\$ 32,851,000	SEQ	2.00%	FIX	38384UD89	August 2054

REMIC Securities				N	MX Securities			
7	Original Class Principal Balance or Class Notional	Related	Maximum Original Class Principal Balance or Class Notional	Principal	Interest	Interest	disno	Final Distribution
Class	Balance	MX Class	Balance(2)	Type(3)	Rate	Type(3)	Number	Date(4)
Combination 18(6)								
K	\$126,876,000	IL	\$ 27,945,000	NTL(SEQ)	%00.9	FIX/IO	38384UD97	February 2054
KB	15,273,000	LK	167,670,000	SEQ	4.75	FIX	38384UE21	February 2054
LB	25,521,000	LN	167,670,000	SEQ	4.00	FIX	38384UE39	February 2054
		LP	167,670,000	SEQ	4.50	FIX	38384UE47	February 2054
		ľó	134,136,000	SEQ	5.25	FIX	38384UE54	February 2054
		LT	167,670,000	SEQ	5.00	FIX	38384UE62	February 2054
		$\Gamma\Omega$	111,780,000	SEQ	5.50	FIX	38384UE70	February 2054
Combination 19								
FV	\$100,000,000	Н	\$100,000,000	PT	(5)	FLT	38384UE88	August 2054
TV	100,000,000							
TW	100,000,000							
Combination 20(6)								
K	\$126,876,000	Z	\$ 29,166,666	NTL(PT)	%00.9	FIX/IO	38384UE96	August 2054
KB	15,273,000	Τ	175,000,000	PT	5.00	FIX	38384UF20	August 2054
LB	25,521,000	NL	175,000,000	PT	4.00	FIX	38384UF38	August 2054
LM	7,330,000	NM	175,000,000	PT	4.50	FIX	38384UF46	August 2054
		NP	175,000,000	PT	4.75	FIX	38384UF53	August 2054
		NQ	140,000,000	PT	5.25	FIX	38384UF61	August 2054
		NT	116,666,666	PT	5.50	FIX	38384UF79	August 2054
Security Group 10								
Combination 21								
MB	\$ 75,000,000	M	\$ 94,447,735	PT	5.00%	FIX	38384UF87	August 2054
VM	8,195,000							
ZM	11,252,735							
Combination 22								
VM	\$ 8,195,000	MK	\$ 19,447,735	SEQ	5.00%	FIX	38384UF95	August 2054
ZM	11,252,735							
Combination 23								
MV	\$ 10,927,000	ML	\$ 25,930,340	SEQ	5.00%	FIX	38384UG29	August 2054
7117	010,000,01							

REMIC Securities	rities			N	MX Securities			
	Original Class Principal Balance	Deloted	Maximum Original Class Principal Balance	Dei: ocioni	1040401	Totogot	Gign	Final Dietalbution
Class	Balance	MX Class	Balance(2)	Type(3)	Rate	Type(3)	Number	Date(4)
Combination 24								
MV	\$ 10,927,000	MY	\$ 45,378,075	SEQ	5.00%	FIX	38384UG37	August 2054
MZ	15,003,340							
m VM	8,195,000							
ZM	11,252,735							
Combination 25								
SM	\$ 70,094,518	KS	\$ 70,094,518	NTL(PT)	(5)	OI/ANI	38384UG45	August 2054
TI	70,094,518							)
Combination 26								
KF	\$ 70,094,518	FM	\$ 70,094,518	PT	(5)	FLT	38384UG52	August 2054
TI	70,094,518							)
Combination 27(6)								
MB	\$ 75,000,000	П	\$ 6,818,181	NTL(SEQ)	5.50%	FIX/IO	38384UG60	October 2051
		KM	50,000,000	SEQ	5.25	FIX	38384UG78	October 2051
		MM	75,000,000	SEQ	4.50	FIX	38384UG86	October 2051
		MX	75,000,000	SEQ	4.75	FIX	38384UG94	October 2051
Security Group 11								
Collibination 28(9)	000 00% 01 \$	2		Cij	\000°	73151	001111/0000	1300 1
U	4 19,485,000	$\Gamma$	9 19,485,000	SEC	4.00%	FLX	28284UH28	November 2051
		DE	19,485,000	SEQ	4.50	FIX	38384UH36	November 2051
		DG	18,459,473	SEQ	4.75	FIX	38384UH44	November 2051
		DH	17,536,500	SEQ	5.00	FIX	38384UH51	November 2051
		DI	13,489,615	NTL(SEQ)	6.50	FIX/IO	38384UН69	November 2051
		DO	19,485,000	SEQ	0.00	ЬО	38384UH77	November 2051
Combination 29								
D DB	\$ 19,485,000 5,515,000	DT	\$ 25,000,000	PT	4.50%	FIX	38384UH85	August 2054

REMIC Securities				II.	MX Securities	S		
200	Original Class Principal Balance or Class Notional	Related	Maximum Original Class Principal Balance or Class Notional	Principal	Interest	Interest	CUSIP	Final Distribution
Class	Balance	MA Class	balance(2)	1ype(3)	Kate	1ype(5)	Number	Date(4)
<b>Security Group 14</b> Combination 30(6)								
ſ	\$ 73,162,000	DJ	\$100,000,000	PT	4.00%	FIX	38384UН93	August 2054
JB	9,218,000	DK	100,000,000	PT	4.50	FIX	38384UJ26	August 2054
JM	17,620,000	DM	50,000,000	PT	5.00	FIX	38384UJ34	August 2054
		DN	33,333,333	PT	5.50	FIX	38384UJ42	August 2054
			8,333,333	NTL(PT)	00.9	FIX/IO	38384UJ59	August 2054
Combination 31(6)								
GA	\$ 36,581,000	GH	\$ 41,190,000	SEQ	2.00%	FIX	38384UJ67	May 2052
GB	4,609,000	GK	41,190,000	SEQ	2.50	FIX	38384UJ75	May 2052
		$_{ m GM}$	41,190,000	SEQ	3.00	FIX	38384UJ83	May 2052
		GN	16,476,000	SEQ	4.50	FIX	38384UJ91	May 2052
		GP	13,730,000	SEQ	5.00	FIX	38384UK24	May 2052
		IG	6,865,000	NTL(SEQ)	00.9	FIX/IO	38384UK32	May 2052
Combination 32(6)								
GA	\$ 36,581,000	GQ	\$ 50,000,000	PT	2.00%	FIX	38384UK40	August 2054
GB	4,609,000	CL	50,000,000	PT	2.50	FIX	38384UK57	August 2054
TS	8,810,000	GU	50,000,000	PT	3.00	FIX	38384UK65	August 2054
		GV	20,000,000	PT	4.50	FIX	38384UK73	August 2054
		GW	16,666,666	PT	5.00	FIX	38384UK81	August 2054
		X	8,333,333	NTL(PT)	00.9	FIX/IO	38384UK99	August 2054
Combination $33(6)$								
	\$ 73,162,000	Œ	\$ 73,162,000	SEQ	4.00%	FIX	38384UL23	December 2050
		JE	36,581,000	SEQ	5.00	FIX	38384UL31	December 2050
		JG	24,387,333	SEQ	5.50	FIX	38384UL49	December 2050
		Ц	6,096,833	NTL(SEQ)	00.9	FIX/IO	38384UL56	December 2050
Combination 34(6)		,		)				
GA	\$ 36,581,000	Ŋ	\$ 12,193,666	SEQ	5.00%	FIX	38384UL64	December 2050
		CC	36,581,000	SEQ	2.00	FIX	38384UL72	December 2050
		GD	36,581,000	SEQ	2.50	FIX	38384UL80	December 2050
		GE	14,632,400	SEQ	4.50	FIX	38384UL98	December 2050
		5	6,096,833	NTL(SEQ)	00.9	FIX/IO	38384UM22	December 2050

REMIC Securities				MX	<b>MX Securities</b>			
	Original Class Principal Balance or Class Notional	Related	Maximum Original Class Principal Balance or Class Notional	Principal	Interest	Interest	disno	Final Distribution
Class	Balance	MX Class	Balance(2)	Type(3)	Kate	Type(3)	Number	Date(4)
Combination 35								
JB	\$ 9,218,000	YJ	\$ 26,838,000	SEQ	4.50%	FIX	38384UM30	August 2054
JM	17,620,000							
Combination $36(6)$								
Ţ	\$ 73,162,000	IJ	\$ 6,865,000	NTL(SEQ)	%00.9	FIX/IO	38384UM48	May 2052
JB	9,218,000	Щ	82,380,000	SEQ	4.00	FIX	38384UM55	May 2052
		Ж	82,380,000	SEQ	4.50	FIX	38384UM63	May 2052
		Z	41,190,000	SEQ	5.00	FIX	38384UM71	May 2052
		JP	27,460,000	SEQ	5.50	FIX	38384UM89	May 2052
Combination 37								
GB	\$ 4,609,000	GY	\$ 13,419,000	SEQ	3.00%	FIX	38384UM97	August 2054
TD	8,810,000							
Security Group 17								
Combination 38								
ST	\$ 65,000,000	LS	\$ 65,000,000	NTL(TAC/AD)	(5)	OI/ANI	38384UN21	August 2064
TG	65,000,000							
Security Groups 16 and 17								
Combination $39(7)$								
GS	\$200,000,000	SK	\$265,000,000	\$265,000,000 NTL(PT/TAC/AD)	(5)	OI//NI	38384UN39	August 2064
ST	65,000,000							1
Security Group 18								
Combination 40(6)								
QA	\$ 66,452,000	IX	\$ 6,019,153	NTL(SEQ)	6.50%	FIX/IO	38384UN47	January 2053
QB	3,769,000	0	78,249,000	SEQ	4.00	FIX	38384UN54	January 2053
QK	8,028,000	QT	78,249,000	SEQ	4.50	FIX	38384UN62	January 2053
		OO	78,249,000	SEQ	4.25	FIX	38384UN70	January 2053
		QV	52,166,000	SEQ	4.75	FIX	38384UN88	January 2053
		ΜÒ	39,124,500	SEQ	5.00	FIX	38384UN96	January 2053

REMIC Securities				N .	MX Securities			
	Original Class Principal Balance or Class Notional	Related	Maximum Original Class Principal Balance or Class Notional	Principal	Interest	Interest	CUSIP	Final Distribution
Class	Balance	MX Class	Balance(2)	Type(3)	Rate	Type(3)	Number	Date(4)
Combination 41(6)								
EA	\$ 46,814,000	EC	\$ 46,814,000	SEQ	4.00%	FIX	38384UP29	November 2051
		ED	46,814,000	SEQ	4.25	FIX	38384UP37	November 2051
		EG	31,209,333	SEQ	4.75	FIX	38384UP45	November 2051
		EH	23,407,000	SEQ	5.00	FIX	38384UP52	November 2051
		EI	3,601,076	NTL(SEQ)	6.50	FIX/IO	38384UP60	November 2051
Combination 42(6)								
EA	\$ 46,814,000	EĴ	\$ 52,320,000	SEQ	4.00%	FIX	38384UP78	February 2053
EB	5,506,000	EK	52,320,000	SEQ	4.25	FIX	38384UP86	February 2053
		EM	52,320,000	SEQ	4.50	FIX	38384UP94	February 2053
		EN	34,880,000	SEQ	4.75	FIX	38384UQ28	February 2053
		EP	26,160,000	SEQ	5.00	FIX	38384UQ36	February 2053
		IE	4,024,615	NTL(SEQ)	6.50	FIX/IO	38384UQ44	February 2053
Combination 43								
QB	\$ 3,769,000	QY	\$ 23,548,000	SEQ	4.50%	FIX	38384UQ51	August 2054
QK	8,028,000							
OL Combination (166)	11,751,000							
Combination $44(6)$	000	Ş			1	(1)	0/01+/000	1000
QA	\$ 66,452,000	WI ,	\$ 6,923,076	NIL(PI)	6.50%	FIX/IO	38384UQ69	August 2054
QB	3,769,000	W	90,000,000	ΡΤ	4.00	FIX	38384UQ77	August 2054
QK	8,028,000	MP	90,000,000	PT	4.25	FIX	38384UQ85	August 2054
TÒ	11,751,000	MQ	90,000,000	PT	4.50	FIX	38384UQ93	August 2054
		MT	60,000,000	PT	4.75	FIX	38384UR27	August 2054
		MU	45,000,000	PT	5.00	FIX	38384UR35	August 2054
Combination 45(6)								
QA	\$ 66,452,000	ÓС	\$ 66,452,000	SEQ	4.00%	FIX	38384UR43	April 2051
		QD	66,452,000	SEQ	4.25	FIX	38384UR50	April 2051
		ÓE	44,301,333	SEQ	4.75	FIX	38384UR68	April 2051
		50	33,226,000	SEQ	5.00	FIX	38384UR76	April 2051
		ΟĪ	5,111,692	NTL(SEQ)	6.50	FIX/IO	38384UR84	April 2051

REMIC Securities				M	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)
——Combination 46								
EB EL	\$ 5,506,000 7,680,000	EY	\$ 13,186,000	SEQ	4.50%	FIX	38384UR92	August 2054
Combination 47(6)								
EA	\$ 46,814,000	EQ	\$ 60,000,000	PT	4.00%	FIX	38384U8H5	August 2054
EB	5,506,000	ET	60,000,000	PT	4.50	FIX	38384U8J1	August 2054
EL	7,680,000	EU	60,000,000	PT	4.25	FIX	38384US26	August 2054
		EV	40,000,000	PT	4.75	FIX	38384US34	August 2054
		EW	30,000,000	PT	5.00	FIX	38384US42	August 2054
		Ι	4,615,384	NTL(PT)	6.50	FIX/IO	38384US59	August 2054
Combination 48(6)								1
QA	\$ 66,452,000	ο	\$ 5,401,615	NTL(SEQ)	6.50%	FIX/IO	38384US67	November 2051
QB	3,769,000	ÓН	70,221,000	SEQ	4.00	FIX	38384US75	November 2051
		Ö	70,221,000	SEQ	4.25	FIX	38384US83	November 2051
		QM	70,221,000	SEQ	4.50	FIX	38384US91	November 2051
		ÓN	46,814,000	SEQ	4.75	FIX	38384UT25	November 2051
		QP	35,110,500	SEQ	5.00	FIX	38384UT33	November 2051
Combination 49								
QK	\$ 8,028,000	YQ	\$ 19,779,000	SEQ	4.50%	FIX	38384UT41	August 2054
Security Group 19	11,/71,000							
COIIIDIIIaudii 20(0) CA	\$ 37,003,000		\$ 37,003,000	SC/SEO	2.00%	FIX	38384UT58	December 2044
		CE	33,302,700	SC/SEQ	2.50	FIX	38384UT66	December 2044
		90	20,814,187	SC/SEQ	4.00	FIX	38384UT74	December 2044
		CH	18,501,500	SC/SEQ	4.50	FIX	38384UT82	December 2044
		J (	18,501,500	NTL(SC/SEQ)	4.50	FIX/IO	38384UT90 38384HT123	December 2044 December 2044
			000,000,70	770/00	3		C40 01000	

REMIC Securities				M	MX Securities			
	Original Class Principal Balance or Class Notional	Related	Maximum Original Class Principal Balance or Class Notional	Principal	Interest	Interest	CUSIP	Final Distribution
Class	Balance	MX Class	Balance(2)	Type(3)	Rate	Type(3)	Number	Date(4)
Combination 51(6)								
CA	\$ 37,003,000	Ç	\$ 41,624,147	SC/PT	2.00%	FIX	38384UU31	December 2044
CB	4,621,147	CK	41,624,147	SC/PT	2.25	FIX	38384UU49	December 2044
		CL	37,461,732	SC/PT	2.50	FIX	38384UU56	December 2044
		$_{ m CM}$	23,413,582	SC/PT	4.00	FIX	38384UU64	December 2044
		CN	20,812,073	SC/PT	4.50	FIX	38384UU72	December 2044
		IC	20,812,073	NTL(SC/PT)	4.50	FIX/IO	38384UU80	December 2044
		00	41,624,147	SC/PT	0.00	Ю	38384UU98	December 2044
Security Group 21								
Combination 52(6)								
BA	\$ 29,267,000	BN	\$ 31,223,982	SC/PT	2.00%	FIX	38384UV22	October 2044
BY	1,956,982	BP	31,223,982	SC/PT	2.25	FIX	38384UV30	October 2044
		BQ	28,101,583	SC/PT	2.50	FIX	38384UV48	October 2044
		BT	17,563,489	SC/PT	4.00	FIX	38384UV55	October 2044
		BU	15,611,991	SC/PT	4.50	FIX	38384UV63	October 2044
		BV	14,050,791	SC/PT	5.00	FIX	38384UV71	October 2044
		OB	31,223,982	SC/PT	0.00	Ю	38384UV89	October 2044
		X	14,050,791	NTL(SC/PT)	5.00	FIX/IO	38384UV97	October 2044
Combination 53(6)								
BA	\$ 29,267,000	BH	\$ 29,267,000	SC/SEQ	2.00%	FIX	38384UW21	October 2044
		BJ	26,340,300	SC/SEQ	2.50	FIX	38384UW39	October 2044
		BK	16,462,687	SC/SEQ	4.00	FIX	38384UW47	October 2044
		BL	14,633,500	SC/SEQ	4.50	FIX	38384UW54	October 2044
		$_{ m BM}$	13,170,150	SC/SEQ	5.00	FIX	38384UW62	October 2044
		ВО	29,267,000	SC/SEQ	0.00	Ю	38384UW70	October 2044
		IB	13,170,150	NTL(SC/SEQ)	5.00	FIX/IO	38384UW88	October 2044

REMIC Securities				M	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 Group 22								
Combination 54(6)								
Z	\$ 27,583,000	IA	\$ 12,412,350	NTL(SC/SEQ)	5.00%	FIX/IO	38384UW96	September 2044
		NG	27,583,000	SC/SEQ	2.00	FIX	38384UX20	September 2044
		NH	27,583,000	SC/SEQ	2.25	FIX	38384UX38	September 2044
		Ź	24,824,700	SC/SEQ	2.50	FIX	38384UX46	September 2044
		NK	15,515,437	SC/SEQ	4.00	FIX	38384UX53	September 2044
		NO	27,583,000	SC/SEQ	0.00	ЬО	38384UX61	September 2044
		NC	13,791,500	SC/SEQ	4.50	FIX	38384UX79	September 2044
		NA	12,412,350	SC/SEQ	5.00	FIX	38384UX87	September 2044
Combination 55(6)								
Z	\$ 27,583,000	AC	\$ 30,798,599	SC/PT	2.00%	FIX	38384UX95	September 2044
NY	3,215,599	AE	27,718,739	SC/PT	2.50	FIX	38384UY29	September 2044
		AG	17,324,211	SC/PT	4.00	FIX	38384UY37	September 2044
		AH	15,399,299	SC/PT	4.50	FIX	38384UY45	September 2044
		AI	13,859,369	NTL(SC/PT)	5.00	FIX/IO	38384UY52	September 2044
		ĄĴ	13,859,369	SC/PT	5.00	FIX	38384UY60	September 2044
		AK	30,798,599	SC/PT	2.25	FIX	38384UY78	September 2044
		AO	30,798,599	SC/PT	0.00	ЬО	38384UY86	September 2044
Security Group 23 Combination 56(6)								
PA	\$ 50,000,000	PB	\$ 50,000,000	PAC/AD	5.00%	FIX	38384UY94	March 2054
		PC	50,000,000	PAC/AD	5.25	FIX	38384UZ28	March 2054
		PD	50,000,000	PAC/AD	5.50	FIX	38384UZ36	March 2054
		PE	50,000,000	PAC/AD	5.75	FIX	38384UZ44	March 2054
		PG	50,000,000	PAC/AD	00.9	FIX	38384UZ51	March 2054
		ЬН	50,000,000	PAC/AD	4.00	FIX	38384UZ69	March 2054
		ΡΙ	16,666,666	NTL(PAC/AD)	00.9	FIX/IO	38384UZ77	March 2054
		PJ	50,000,000	PAC/AD	4.25	FIX	38384UZ85	March 2054
		PK	50,000,000	PAC/AD	4.50	FIX	38384UZ93	March 2054
		bΓ	50,000,000	PAC/AD	4.75	FIX	38384U2A6	March 2054

REMIC Securities	8			M	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	Final Distribution Date(4)
Security Group 24 Combination 57								
TD	\$100,000,000 100,000,000	FW	\$100,000,000	PT	(5)	FLT	38384U2B4	August 2054
Combination 58(6)								
WA	\$ 35,915,000	WC	\$ 35,915,000	SEQ	4.50%	FIX	38384U2C2	October 2050
		WE	35,915,000	SEQ	4.75	FIX	38384U2D0	October 2050
		MG	23,943,333	SEQ	5.25	FIX	38384U2E8	October 2050
		WI	2,992,916	NTL(SEQ)	00.9	FIX/IO	38384U2F5	October 2050
Combination 59								
FW(8)	\$100,000,000	KT	\$150,000,000	PT	%00.9	FIX	38384U2G3	August 2054
SW	100,000,000							ı
WA	35,915,000							
WB	14,085,000							
Combination 60(6)								
WA	\$ 35,915,000	IW	\$ 4,166,666	NTL(PT)	%00.9	FIX/IO	38384U2H1	August 2054
WB	14,085,000	MH	50,000,000	PT	4.50	FIX	38384U2J7	August 2054
		WJ	50,000,000	PT	4.75	FIX	38384U2K4	August 2054
		WK	50,000,000	PT	5.00	FIX	38384U2L2	August 2054
		WL	33,333,333	PT	5.25	FIX	38384U2M0	August 2054

.) All exchanges must comply with minimum denomination restrictions.

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.

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

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

The Interest Rate will be calculated as described under "Terms Sheet — Interest Rates" in this Supplement. (2)

58 and 60, various subcombinations are permitted. See "Description of the Securities — Modification and Exchange" in the Base Offering In the case of Combinations 5, 6, 7, 8, 10, 14, 16, 18, 20, 27, 28, 30, 31, 32, 33, 34, 36, 40, 41, 42, 44, 45, 47, 48, 50, 51, 52, 53, 54, 55, 56, Circular for a discussion of subcombinations.

Derived from REMIC Classes relating to separate Groups.

(7) Derived fa(8) MX Class.

## Schedule II

## SCHEDULED PRINCIPAL BALANCES

Distribution Date	Class TF	Classes PA and PZ (in the aggregate)
Initial Balance	\$65,000,000.00	\$50,457,000.00
September 2024	64,311,407.02	50,300,331.74
October 2024	63,541,033.52	50,127,458.13
November 2024	62,689,956.12	49,938,397.61
December 2024	61,759,510.03	49,733,179.90
January 2025	60,751,287.65	49,511,846.06
February 2025	59,667,135.82	49,274,448.46
March 2025	58,509,151.82	49,021,050.80
April 2025	57,279,677.86	48,751,728.06
May 2025	55,981,294.34	48,466,566.50
June 2025	54,616,811.63	48,165,663.55
July 2025	53,189,260.66	47,849,127.81
August 2025	51,701,882.06	47,517,078.94
September 2025	50,158,114.08	47,169,647.57
October 2025	48,561,579.33	46,806,975.19
November 2025	46,916,070.30	46,429,214.07
December 2025	45,225,533.78	46,036,527.08
January 2026	43,494,054.33	45,629,087.55
February 2026	41,725,836.71	45,207,079.17
March 2026	39,925,187.61	44,770,695.74
April 2026	38,096,496.54	44,320,141.05
May 2026	36,244,216.14	43,855,628.66
June 2026	34,372,842.06	43,377,381.67
July 2026	32,486,892.35	42,885,632.55
August 2026	30,590,886.73	42,380,622.86
September 2026	28,760,662.92	41,862,603.06
October 2026	26,993,777.82	41,331,832.20
November 2026	25,287,877.94	40,788,577.69
December 2026	23,640,696.09	40,233,115.02
January 2027	22,050,048.23	39,665,727.48
February 2027	20,513,830.45	39,086,705.86
March 2027	19,030,015.96	38,510,896.03
April 2027	17,596,652.31	37,938,268.76
May 2027	16,211,858.63	37,368,794.97
June 2027	14,873,823.05	36,802,445.78
July 2027	13,580,800.10	36,239,192.50
August 2027	12,331,108.32	35,679,006.60
September 2027	11,123,127.90	35,121,859.74
October 2027	9,955,298.40	34,567,723.78
November 2027	8,826,116.60	34,016,570.71
December 2027	7,734,134.35	33,468,372.73
January 2028	6,677,956.60	32,923,102.21
February 2028	5,656,239.42	32,380,731.68
March 2028	4,667,688.14	31,841,233.85

Distribution Date	Class TF	Classes PA and PZ (in the aggregate)
April 2028	\$ 3,711,055.51	\$31,304,581.60
May 2028	2,785,139.98	30,770,747.97
June 2028	1,888,784.04	30,239,706.17
July 2028	1,020,872.57	29,711,429.59
August 2028	180,331.27	29,185,891.75
September 2028	0.00	28,663,066.37
October 2028	0.00	28,142,927.31
November 2028	0.00	27,625,448.60
December 2028	0.00	27,110,604.42
January 2029	0.00	26,598,369.11
February 2029	0.00	26,088,717.17
March 2029	0.00	25,581,623.24
April 2029	0.00	25,077,062.15
May 2029	0.00	24,575,008.83
June 2029	0.00	24,075,438.41
July 2029	0.00	23,578,326.14
August 2029	0.00	23,083,647.42
September 2029	0.00	22,591,377.81
October 2029	0.00	22,101,493.02
November 2029	0.00	21,613,968.88
December 2029	0.00	21,128,781.38
January 2030	0.00	20,645,906.65
February 2030	0.00	20,165,320.97
March 2030	0.00	19,687,000.75
April 2030	0.00	19,212,962.46
May 2030	0.00	18,748,291.59
June 2030	0.00	18,292,798.17
July 2030	0.00	17,846,296.02
August 2030	0.00	17,408,602.66
September 2030	0.00	16,979,539.24
October 2030	0.00	16,558,930.45
November 2030	0.00	16,146,604.49
December 2030	0.00	15,742,392.97
January 2031	0.00	15,346,130.82
February 2031	0.00	14,957,656.30
March 2031	0.00	14,576,810.85
April 2031	0.00	14,203,439.08
May 2031	0.00	13,837,388.69
June 2031	0.00	13,478,510.41
July 2031	0.00	13,126,657.93
August 2031	0.00	12,781,687.87
September 2031	0.00	12,443,459.69
October 2031	0.00	12,111,835.64
November 2031	0.00	11,786,680.74
December 2031	0.00	11,467,862.67
January 2032	0.00	11,155,251.74
February 2032	0.00	10,848,720.87
March 2032	0.00	10,548,145.50
17441C11 40 J4	0.00	10,710,117.70

Distribution Date	_	Class TF	Classes PA and PZ (in the aggregate)
April 2032	\$	0.00	\$10,253,403.52
May 2032		0.00	9,964,375.30
June 2032		0.00	9,680,943.55
July 2032		0.00	9,402,993.35
August 2032		0.00	9,130,412.04
September 2032		0.00	8,863,089.22
October 2032		0.00	8,600,916.69
November 2032		0.00	8,343,788.40
December 2032		0.00	8,091,600.41
January 2033		0.00	7,844,250.85
February 2033		0.00	7,601,639.90
March 2033		0.00	7,363,669.69
April 2033		0.00	7,130,244.35
May 2033		0.00	6,901,269.87
June 2033		0.00	6,676,654.15
July 2033		0.00	6,456,306.91
August 2033		0.00	6,240,139.67
September 2033		0.00	6,028,065.72
October 2033		0.00	5,820,000.06
November 2033		0.00	5,615,859.42
December 2033		0.00	5,415,562.14
January 2034		0.00	5,219,028.24
February 2034		0.00	5,026,179.30
March 2034		0.00	4,836,938.48
April 2034		0.00	4,651,230.45
May 2034		0.00	4,468,981.41
June 2034		0.00	4,290,119.02
July 2034		0.00	4,114,572.37
August 2034		0.00	3,942,271.98
September 2034		0.00	3,773,149.75
October 2034		0.00	3,607,138.94
November 2034		0.00	3,444,174.13
December 2034		0.00	3,284,191.22
January 2035		0.00	3,127,127.39
February 2035		0.00	2,972,921.04
March 2035		0.00	2,821,511.84
April 2035		0.00	2,672,840.64
May 2035		0.00	2,526,849.47
June 2035		0.00	2,383,481.53
July 2035		0.00	2,242,681.12
August 2035		0.00	2,104,393.70
September 2035		0.00	1,968,565.77
October 2035		0.00	1,835,144.93
November 2035		0.00	1,704,079.80
December 2035		0.00	1,575,320.04
January 2036		0.00	1,448,816.31
February 2036		0.00	1,324,520.25
March 2036		0.00	1,202,384.47

Distribution Date	 Class TF	Classes PA and PZ (in the aggregate)		
April 2036	\$ 0.00	\$ 1,082,362.51		
May 2036	0.00	964,408.85		
June 2036	0.00	848,478.88		
July 2036	0.00	734,528.87		
August 2036	0.00	622,515.96		
September 2036	0.00	512,398.15		
October 2036	0.00	404,134.27		
November 2036	0.00	297,683.97		
December 2036	0.00	193,007.71		
January 2037	0.00	90,066.74		
February 2037 and thereafter	0.00	0.00		

## **Underlying Certificates**

Ginnie Mae I or II	п	П	П	П	П	П	П	П	П	п	Н	п	н
Percentage of Class in Trust	%0000266666666	77.5338057727	99.9999940355	100.0000000000	40.0000040000	100.0000000000	82.0824678986	100.0000000000	55.7459763403	100.0000000000	100.0000000000	100.0000000000	65.3462211857
Principal Balance in Trust	\$ 8,028,287.76	10,245,509.39	6,680,451.69	9,292,777.62	7,377,120.74	4,985,726.32	9,435,285.40	8,017,884.53	8,785,085.84	8,014,412.40	6,165,367.53	8,473,335.48	8,145,483.90
Underlying Certificate Factor(2)	0.08028288	0.13660679	0.13281877	0.09992234	0.09221400	0.08611772	0.08204596	0.12143710	0.10339896	0.10332867	0.14506485	0.10460908	0.14043938
Original Principal Balance of Class	\$100,000,000	96,732,000	50,297,500	93,000,000	200,000,000	57,894,314	140,103,000	06,025,000	152,411,000	77,562,330	42,500,768	81,000,000	88,758,000
Principal Type(1)	PAC/AD	PAC/AD	PAC	PT	PT	PAC/AD	PAC	PAC	TAC/AD	PT	PT	PT	PAC
Final Distribution Date	October 2043	March 2044	June 2044	October 2044	December 2044	November 2043	November 2043	March 2044	October 2044	July 2044	July 2044	July 2044	September 2044
Interest Type(1)	FIX	FIX	FIX	FIX	FIX	FIX	FIX	FIX	FIX	FIX	FIX	FIX	FIX
Interest Rate	2.25%	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25
CUSIP Number	38378U4V6	38379C7E0	38379EFV9	38379GYG6	38379HMB8	38378YBC2	38379ADE7	38379AYS3	38379GXJ1	38379C4P8	38379C2A3	38379C6S0	38379GQL4
Issue Date	November 27, 2013	July 30, 2014	August 29, 2014	October 30, 2014	December 30, 2014	November 27, 2013	February 28, 2014	March 28, 2014	October 30, 2014	July 30, 2014	July 30, 2014	July 30, 2014	September 30, 2014
Class	MA	PC(3)	CC	A	CC	GA	MB(3)	PA	TC(3)	HA(3)	MA	AB(3)	ΑΡ
Series	2013-170	2014-107	2014-118	2014-152	2014-181	2013-167	2014-025	2014-046	2014-158	2014-096	2014-096	2014-107	2014-133
Issuer	Ginnie Mae	Ginnie Mae	Ginnie Mae	Ginnie Mae	Ginnie Mae	Ginnie Mae	Ginnie Mae	Ginnie Mae	Ginnie Mae	Ginnie Mae	Ginnie Mae	Ginnie Mae	Ginnie Mae
Trust Asset Group	19	19	19	19	19	21	21	21	21	22	22	22	22

As defined under "Class Types" in Appendix I to the Base Offering Circular.
 Underlying Certificate Factors are as of August 2024.
 MX Class.



\$3,581,821,265

**Government National Mortgage Association** 

## **GINNIE MAE**®

Guaranteed REMIC
Pass-Through Securities
and MX Securities
Ginnie Mae REMIC Trust 2024-126

OFFERING CIRCULAR SUPPLEMENT August 26, 2024

