

**\$2,068,406,275**  
**Government National Mortgage Association**

**GINNIE MAE®**

**Guaranteed REMIC Pass-Through Securities  
and MX Securities  
Ginnie Mae REMIC Trust 2024-095**

**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 June 28, 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)
<b>Security Group 1</b>						
A	\$ 12,469,111	5.00%	SEQ	FIX	38384P3U2	December 2052
BA(1)	17,252,996	5.50	SEQ	FIX	38384P3V0	January 2053
BV(1)	1,147,981	5.50	SEQ/AD	FIX	38384P3W8	May 2035
BZ(1)	1,406,643	5.50	SEQ	FIX/Z	38384P3X6	June 2054
C(1)	12,069,562	5.50	SEQ	FIX	38384P3Y4	January 2053
CV(1)	767,775	5.50	SEQ/AD	FIX	38384P3Z1	May 2035
CZ(1)	940,770	5.50	SEQ	FIX/Z	38384P4A5	June 2054
D(1)	1,623,976	5.50	SEQ	FIX	38384P4B3	February 2053
DV(1)	98,010	5.50	SEQ/AD	FIX	38384P4C1	May 2035
DZ(1)	120,094	5.50	SEQ	FIX/Z	38384P4D9	June 2054
FA(1)	28,651,872	(5)	PT	FLT	38384P4E7	June 2054
FB(1)	29,711,429	(5)	PT	FLT	38384P4F4	June 2054
FC(1)	20,667,161	(5)	PT	FLT	38384P4G2	June 2054
FD(1)	2,763,120	(5)	PT	FLT	38384P4H0	June 2054
LA	1,856,825	5.00	SEQ	FIX	38384P4J6	June 2054
SA(1)	28,651,872	(5)	NTL(PT)	INV/IO	38384P4K3	June 2054
SB(1)	29,711,429	(5)	NTL(PT)	INV/IO	38384P4L1	June 2054
SC(1)	20,667,161	(5)	NTL(PT)	INV/IO	38384P4M9	June 2054
SD(1)	2,763,120	(5)	NTL(PT)	INV/IO	38384P4N7	June 2054
<b>Security Group 2</b>						
NF	20,000,000	(5)	PT	FLT	38384P4P2	June 2054
NS	20,000,000	(5)	NTL(PT)	INV/IO	38384P4Q0	June 2054
<b>Security Group 3</b>						
HB	48,520,213	6.00	SEQ	FIX	38384P4R8	November 2049
HV(1)	11,224,666	6.00	SEQ/AD	FIX	38384P4S6	April 2035
HZ(1)	12,361,745	6.00	SEQ	FIX/Z	38384P4T4	June 2054
<b>Security Group 4</b>						
FN	100,000,000	(5)	PT	FLT	38384P4U1	June 2054
S	100,000,000	(5)	NTL(PT)	INV/IO	38384P4V9	June 2054
UF	100,000,000	(5)	PT	FLT	38384P4W7	June 2054
US	100,000,000	(5)	NTL(PT)	INV/IO	38384P4X5	June 2054
YF	100,000,000	(5)	PT	FLT	38384P4Y3	June 2054
YS	100,000,000	(5)	NTL(PT)	INV/IO	38384P4Z0	June 2054
<b>Security Group 5</b>						
GB(1)	28,792,866	5.50	SEQ	FIX	38384P5A4	May 2047
GM(1)	5,633,295	5.50	SEQ	FIX	38384P5B2	June 2049
GV	7,931,248	5.50	SEQ/AD	FIX	38384P5C0	May 2035
GZ	9,756,658	5.50	SEQ	FIX/Z	38384P5D8	June 2054
<b>Security Group 6</b>						
KF	100,000,000	(5)	PT	FLT	38384P5E6	June 2054
KS	100,000,000	(5)	NTL(PT)	INV/IO	38384P5F3	June 2054
<b>Security Group 7</b>						
EF	100,000,000	(5)	PT	FLT	38384P5G1	June 2054
ES	100,000,000	(5)	NTL(PT)	INV/IO	38384P5H9	June 2054
<b>Security Group 8</b>						
FH	50,000,000	(5)	PT	FLT	38384P5J5	June 2054
HS(1)	50,000,000	(5)	NTL(PT)	INV/IO	38384P5K2	June 2054
SH	50,000,000	(5)	NTL(PT)	INV/IO	38384P5L0	June 2054
TH(1)	50,000,000	(5)	NTL(PT)	INV/IO	38384P5M8	June 2054
XF(1)	50,000,000	(5)	PT	FLT	38384P5N6	June 2054
<b>Security Group 9</b>						
FJ(1)	57,500,739	(5)	PAC/AD	FLT	38384P5P1	May 2064
JT(1)	57,500,739	(5)	NTL(PAC/AD)	INV/IO	38384P5Q9	May 2064
SP(1)	57,500,739	(5)	NTL(PAC/AD)	INV/IO	38384P5R7	May 2064
TP(1)	57,500,739	(5)	NTL(PAC/AD)	INV/IO	38384P5S5	May 2064
ZP	16,223,042	7.00	SUP	FIX/Z	38384P5T3	May 2064
<b>Security Group 10</b>						
AN(1)	16,933,074	4.50	SC/SEQ	FIX	38384P5U0	April 2040
BI	2,236,346	4.50	NTL(SC/PT)	FIX/IO	38384P5V8	April 2040
KA(1)	2,731,220	4.50	SC/SEQ	FIX	38384QAU2	December 2040
LK(1)	316,214	4.50	SC/SEQ	FIX	38384QAV0	December 2040
LN(1)	3,194,046	4.50	SC/SEQ	FIX	38384P5W6	April 2040
NA(1)	19,353,663	4.50	SC/SEQ	FIX	38384P5X4	February 2041
NL(1)	2,240,721	4.50	SC/SEQ	FIX	38384P5Y2	February 2041

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**J.P. Morgan**

**Mischler Financial Group, Inc.**

The date of this Offering Circular Supplement is June 25, 2024.

Class of REMIC Securities	Original Principal Balance(2)	Interest Rate	Principal Type(3)	Interest Type(3)	CUSIP Number	Final Distribution Date(4)
<b>Security Group 11</b>						
Q(1)	\$110,910,750	5.50%	SEQ	FIX	38384P5Z9	August 2051
QF(1)	141,733,470	(5)	PT	FLT	38384P6A3	June 2054
QT(1)	141,733,470	(5)	NTL(PT)	INV/IO	38384P6B1	June 2054
QV(1)	13,850,922	5.50	SEQ/AD	FIX	38384P6C9	May 2035
QZ(1)	16,971,799	5.50	SEQ	FIX/Z	38384P6D7	June 2054
SQ(1)	141,733,470	(5)	NTL(PT)	INV/IO	38384P6E5	June 2054
SW(1)	29,586,000	(5)	NTL(PT)	INV/IO	38384P6F2	June 2054
TQ(1)	141,733,470	(5)	NTL(PT)	INV/IO	38384P6G0	June 2054
TW(1)	29,586,000	(5)	NTL(PT)	INV/IO	38384P6H8	June 2054
W(1)	23,046,604	5.50	SEQ	FIX	38384P6J4	July 2051
WF(1)	29,586,000	(5)	PT	FLT	38384P6K1	June 2054
WT(1)	29,586,000	(5)	NTL(PT)	INV/IO	38384P6L9	June 2054
WV(1)	2,938,633	5.50	SEQ/AD	FIX	38384P6M7	May 2035
WZ(1)	3,600,764	5.50	SEQ	FIX/Z	38384P6N5	June 2054
<b>Security Group 12</b>						
AF(1)	100,000,000	(5)	PT	FLT	38384P6P0	June 2054
CS(1)	100,000,000	(5)	NTL(PT)	INV/IO	38384P6Q8	June 2054
TA(1)	100,000,000	(5)	NTL(PT)	INV/IO	38384P6R6	June 2054
TI(1)	100,000,000	(5)	NTL(PT)	INV/IO	38384P6S4	June 2054
<b>Security Group 13</b>						
BT(1)	100,000,000	(5)	NTL(PT)	INV/IO	38384P6T2	June 2054
DF(1)	100,000,000	(5)	PT	FLT	38384P6U9	June 2054
SG(1)	100,000,000	(5)	NTL(PT)	INV/IO	38384P6V7	June 2054
TB(1)	100,000,000	(5)	NTL(PT)	INV/IO	38384P6W5	June 2054
<b>Security Group 14</b>						
IT(1)	100,000,000	(5)	NTL(PT)	INV/IO	38384P6X3	June 2054
JF(1)	100,000,000	(5)	PT	FLT	38384P6Y1	June 2054
LS(1)	100,000,000	(5)	NTL(PT)	INV/IO	38384P6Z8	June 2054
TJ(1)	100,000,000	(5)	NTL(PT)	INV/IO	38384P7A2	June 2054
<b>Security Group 15</b>						
FM(1)	100,000,000	(5)	PT	FLT	38384P7B0	June 2054
TS(1)	100,000,000	(5)	NTL(PT)	INV/IO	38384P7C8	June 2054
TX(1)	100,000,000	(5)	NTL(PT)	INV/IO	38384P7D6	June 2054
XT(1)	100,000,000	(5)	NTL(PT)	INV/IO	38384P7E4	June 2054
<b>Security Group 16</b>						
FY(1)	65,351,711	(5)	PAC/AD	FLT	38384P7F1	May 2064
MS(1)	65,351,711	(5)	NTL(PAC/AD)	INV/IO	38384P7G9	May 2064
MZ	14,000,000	6.50	SUP/AD	FIX/Z	38384P7H7	May 2064
TM(1)	65,351,711	(5)	NTL(PAC/AD)	INV/IO	38384P7J3	May 2064
ZM	5,931,544	6.50	SUP	FIX/Z	38384P7K0	May 2064
<b>Security Group 17</b>						
AB(1)	93,921,138	2.50	SEQ/AD	FIX	38384P7L8	June 2045
AZ(1)	9,196,561	2.50	SEQ/AD	FIX/Z	38384P7M6	December 2047
EZ(1)	7,847,529	2.50	SEQ/AD	FIX/Z	38384P7N4	February 2050
JZ(1)	6,634,564	2.50	SEQ/AD	FIX/Z	38384P7P9	December 2051
KZ(1)	8,755,142	2.50	SEQ	FIX/Z	38384P7Q7	June 2054
<b>Security Group 18</b>						
NB(1)	87,330,622	3.00	SEQ/AD	FIX	38384P7R5	May 2044
NZ(1)	8,523,224	3.00	SEQ/AD	FIX/Z	38384P7S3	November 2046
ZB(1)	7,303,377	3.00	SEQ/AD	FIX/Z	38384P7T1	February 2049
ZC(1)	6,219,006	3.00	SEQ/AD	FIX/Z	38384P7U8	January 2051
ZD(1)	10,492,180	3.00	SEQ	FIX/Z	38384P7V6	June 2054
<b>Residuals</b>						
RR	0	0.00	NPR	NPR	38384P7W4	May 2064
R12	0	0.00	NPR	NPR	38384P7X2	June 2054
R13	0	0.00	NPR	NPR	38384P7Y0	June 2054
R14	0	0.00	NPR	NPR	38384P7Z7	June 2054
R15	0	0.00	NPR	NPR	38384P8A1	June 2054
R17	0	0.00	NPR	NPR	38384P8B9	June 2054
R18	0	0.00	NPR	NPR	38384P8C7	June 2054

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

## AVAILABLE INFORMATION

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

- this Offering Circular Supplement (this “Supplement”),
- the Base Offering Circular and
- in the case of the Group 10 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.

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## TERMS SHEET

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

**Sponsor:** J.P. Morgan Securities LLC

**Co-Sponsor:** Mischler Financial Group, Inc.

**Trustee:** U.S. Bank National Association

**Tax Administrator:** The Trustee

**Closing Date:** June 28, 2024

**Distribution Date:** The 20th day of each month or, if the 20th day is not a Business Day, the first Business Day thereafter, commencing in July 2024.

### Trust Assets:

<u>Trust Asset Group or Subgroup<sup>(2)</sup></u>	<u>Trust Asset Type</u>	<u>Certificate Rate</u>	<u>Original Term To Maturity (in years)</u>
1A	Ginnie Mae II	7.000%	30
1B	Ginnie Mae II	7.000%	30
1C	Ginnie Mae II	7.000%	30
1D	Ginnie Mae II	7.000%	30
2	Ginnie Mae II	7.000%	30
3	Ginnie Mae II	6.000%	30
4	Ginnie Mae II	7.000%	30
5	Ginnie Mae II	5.500%	30
6	Ginnie Mae II	6.500%	30
7	Ginnie Mae II	6.500%	30
8	Ginnie Mae II	7.000%	30
9	Ginnie Mae II	7.000%	40
10A	Underlying Certificates	(1)	(1)
10B	Underlying Certificates	(1)	(1)
10C	Underlying Certificate	(1)	(1)
11A	Ginnie Mae II	6.000%	30
11B	Ginnie Mae II	6.000%	30
12	Ginnie Mae II	6.500%	30
13	Ginnie Mae II	6.500%	30
14	Ginnie Mae II	6.500%	30
15	Ginnie Mae II	6.500%	30
16	Ginnie Mae II	6.500%	40
17	Ginnie Mae II	2.500%	30
18	Ginnie Mae II	3.000%	30

<sup>(1)</sup> Certain information regarding the Underlying Certificates is set forth in Exhibit A to this Supplement.

(2) The Group 1, 10 and 11 Trust Assets consist of the enumerated subgroups (each, a “Subgroup”).

**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 certain MX Classes in Groups 12, 13, 14 and 15, 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, 2, 3, 4, 5, 6, 7, 8, 11, 12, 13, 14, 15, 17 and 18 Trust Assets<sup>(1)</sup>:**

<u>Principal Balance</u>	<u>Weighted Average Remaining Term to Maturity (in months)</u>	<u>Weighted Average Loan Age (in months)</u>	<u>Weighted Average Mortgage Rate<sup>(2)</sup></u>
<b>Subgroup 1A Trust Assets</b>			
\$42,977,808	357	2	7.551%
<b>Subgroup 1B Trust Assets</b>			
\$49,519,049	354	1	7.563%
<b>Subgroup 1C Trust Assets</b>			
\$34,445,268	349	2	7.609%
<b>Subgroup 1D Trust Assets</b>			
\$4,605,200	356	4	7.483%
<b>Group 2 Trust Assets</b>			
\$20,000,000	352	5	7.533%
<b>Group 3 Trust Assets</b>			
\$72,106,624	359	0	6.544%
<b>Group 4 Trust Assets</b>			
\$300,000,000	352	5	7.533%
<b>Group 5 Trust Assets</b>			
\$52,114,067	349	3	6.157%
<b>Group 6 Trust Assets</b>			
\$100,000,000	355	2	7.000%
<b>Group 7 Trust Assets</b>			
\$100,000,000	355	2	7.076%
<b>Group 8 Trust Assets</b>			
\$100,000,000	351	6	7.504%
<b>Subgroup 11A Trust Assets</b>			
\$283,466,941	355	3	6.611%
<b>Subgroup 11B Trust Assets</b>			
\$59,172,001	357	2	6.517%
<b>Group 12 Trust Assets</b>			
\$100,000,000	359	0	6.970%
<b>Group 13 Trust Assets</b>			
\$100,000,000	359	0	6.970%

<u>Principal Balance</u>	<u>Weighted Average Remaining Term to Maturity (in months)</u>	<u>Weighted Average Loan Age (in months)</u>	<u>Weighted Average Mortgage Rate<sup>(2)</sup></u>
<b>Group 14 Trust Assets</b>			
\$100,000,000	359	0	6.970%
<b>Group 15 Trust Assets</b>			
\$100,000,000	359	0	6.970%
<b>Group 17 Trust Assets<sup>(3)</sup></b>			
\$126,354,934	332	26	2.952%
<b>Group 18 Trust Assets<sup>(3)</sup></b>			
\$119,868,409	331	27	3.460%

<sup>(1)</sup> As of June 1, 2024.

<sup>(2)</sup> The Mortgage Loans underlying the Group 1, 2, 3, 4, 5, 6, 7, 8, 11, 12, 13, 14, 15, 17 and 18 Trust Assets may bear interest at rates ranging from 0.25% to 1.50% per annum above the related Certificate Rate.

<sup>(3)</sup> More than 10% of the Mortgage Loans underlying the Group 17 and 18 Trust Assets may be higher balance Mortgage Loans. See “Risk Factors” in this Supplement.

The actual remaining terms to maturity, loan ages and Mortgage Rates of many of the Mortgage Loans underlying the Group 1, 2, 3, 4, 5, 6, 7, 8, 11, 12, 13, 14, 15, 17 and 18 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 Mortgage Loans Underlying the Group 9 and 16 Trust Assets:** See Exhibit B to this Supplement for certain information regarding the characteristics of the Mortgage Loans underlying the Group 9 and 16 Trust Assets. The actual remaining terms to maturity, loan ages and Mortgage Rates of many of the Mortgage Loans underlying the Group 9 and 16 Trust Assets will differ from the weighted averages shown in Exhibit B, perhaps significantly. See “The Trust Assets — The Mortgage Loans” in this Supplement.

**Characteristics of the Group 10 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 an 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:

<u>Class</u>	<u>Interest Rate Formula(1)</u>	<u>Initial Interest Rate(2)</u>	<u>Minimum Rate</u>	<u>Maximum Rate</u>	<u>Delay (in days)</u>	<u>30-day Average SOFR for Minimum Interest Rate</u>
<b>Security Group 1</b>						
FA .....	30-day Average SOFR + 0.75%	6.07433%	0.75%	8.00%	0	0.00%
FB .....	30-day Average SOFR + 0.75%	6.07433%	0.75%	8.00%	0	0.00%
FC .....	30-day Average SOFR + 0.75%	6.07433%	0.75%	8.00%	0	0.00%
FD .....	30-day Average SOFR + 0.75%	6.07433%	0.75%	8.00%	0	0.00%
FE .....	30-day Average SOFR + 0.75%	6.07433%	0.75%	8.00%	0	0.00%
SA .....	7.25% – 30-day Average SOFR	1.92567%	0.00%	7.25%	0	7.25%
SB .....	7.25% – 30-day Average SOFR	1.92567%	0.00%	7.25%	0	7.25%
SC .....	7.25% – 30-day Average SOFR	1.92567%	0.00%	7.25%	0	7.25%
SD .....	7.25% – 30-day Average SOFR	1.92567%	0.00%	7.25%	0	7.25%
SN .....	7.25% – 30-day Average SOFR	1.92567%	0.00%	7.25%	0	7.25%
<b>Security Group 2</b>						
NF .....	30-day Average SOFR + 1.05%	6.37466%	1.05%	7.00%	0	0.00%
NS .....	5.95% – 30-day Average SOFR	0.62534%	0.00%	5.95%	0	5.95%
<b>Security Group 4</b>						
FN .....	30-day Average SOFR + 1.25%	6.50000%	1.25%	6.50%	0	0.00%
S .....	5.25% – 30-day Average SOFR	0.00000%	0.00%	5.25%	0	5.25%
UF .....	30-day Average SOFR + 0.80%	6.12433%	0.80%	8.00%	0	0.00%
US .....	7.20% – 30-day Average SOFR	1.87567%	0.00%	7.20%	0	7.20%
YF .....	30-day Average SOFR + 1.30%	6.50000%	1.30%	6.50%	0	0.00%
YS .....	5.20% – 30-day Average SOFR	0.00000%	0.00%	5.20%	0	5.20%
<b>Security Group 6</b>						
KF .....	30-day Average SOFR + 1.18%	6.50000%	1.18%	6.50%	0	0.00%
KS .....	5.32% – 30-day Average SOFR	0.00000%	0.00%	5.32%	0	5.32%
<b>Security Group 7</b>						
EF .....	30-day Average SOFR + 1.15%	6.48303%	1.15%	6.50%	0	0.00%
ES .....	5.35% – 30-day Average SOFR	0.01697%	0.00%	5.35%	0	5.35%
<b>Security Group 8</b>						
FH .....	30-day Average SOFR + 1.10%	6.42901%	1.10%	6.50%	0	0.00%
HF .....	30-day Average SOFR + 0.90%	6.22901%	0.90%	7.50%	0	0.00%
HS .....	6.60% – 30-day Average SOFR	1.27099%	0.00%	6.60%	0	6.60%
SH .....	5.40% – 30-day Average SOFR	0.07099%	0.00%	5.40%	0	5.40%
SI .....	6.65% – 30-day Average SOFR	1.32099%	0.00%	6.65%	0	6.65%
TH .....	6.65% – 30-day Average SOFR	0.05000%	0.00%	0.05%	0	6.65%
XF .....	30-day Average SOFR + 0.85%	6.17901%	0.85%	7.50%	0	0.00%
<b>Security Group 9</b>						
FJ .....	30-day Average SOFR + 0.90%	6.23303%	0.90%	7.00%	0	0.00%
FP .....	30-day Average SOFR + 1.10%	6.43303%	1.10%	7.00%	0	0.00%
JT .....	6.10% – 30-day Average SOFR	0.10000%	0.00%	0.10%	0	6.10%
PF .....	30-day Average SOFR + 1.00%	6.33303%	1.00%	7.00%	0	0.00%
PS .....	6.00% – 30-day Average SOFR	0.66697%	0.00%	6.00%	0	6.00%
SJ .....	6.10% – 30-day Average SOFR	0.76697%	0.00%	6.10%	0	6.10%
SP .....	5.90% – 30-day Average SOFR	0.56697%	0.00%	5.90%	0	5.90%
TP .....	6.00% – 30-day Average SOFR	0.10000%	0.00%	0.10%	0	6.00%



<u>Class</u>	<u>Interest Rate Formula(1)</u>	<u>Initial Interest Rate(2)</u>	<u>Minimum Rate</u>	<u>Maximum Rate</u>	<u>Delay (in days)</u>	<u>30-day Average SOFR for Minimum Interest Rate</u>
<b>Security Group 11</b>						
FK .....	30-day Average SOFR + 1.00%	6.33303%	1.00%	6.50%	0	0.00%
FT .....	30-day Average SOFR + 0.90%	6.23303%	0.90%	6.50%	0	0.00%
FW .....	30-day Average SOFR + 1.10%	6.43303%	1.10%	6.50%	0	0.00%
QF .....	30-day Average SOFR + 0.90%	6.23303%	0.90%	6.50%	0	0.00%
QS .....	5.60% – 30-day Average SOFR	0.26697%	0.00%	5.60%	0	5.60%
QT .....	5.60% – 30-day Average SOFR	0.10000%	0.00%	0.10%	0	5.60%
SK .....	5.50% – 30-day Average SOFR	0.16697%	0.00%	5.50%	0	5.50%
SQ .....	5.40% – 30-day Average SOFR	0.06697%	0.00%	5.40%	0	5.40%
SW .....	5.40% – 30-day Average SOFR	0.06697%	0.00%	5.40%	0	5.40%
TQ .....	5.50% – 30-day Average SOFR	0.10000%	0.00%	0.10%	0	5.50%
TW .....	5.60% – 30-day Average SOFR	0.10000%	0.00%	0.10%	0	5.60%
WF .....	30-day Average SOFR + 0.90%	6.23303%	0.90%	6.50%	0	0.00%
WS .....	5.60% – 30-day Average SOFR	0.26697%	0.00%	5.60%	0	5.60%
WT .....	5.50% – 30-day Average SOFR	0.10000%	0.00%	0.10%	0	5.50%
XS .....	5.50% – 30-day Average SOFR	0.16697%	0.00%	5.50%	0	5.50%
<b>Security Group 12</b>						
AF .....	30-day Average SOFR + 0.90%	6.23303%	0.90%	6.50%	0	0.00%
AS .....	5.60% – 30-day Average SOFR	0.26697%	0.00%	5.60%	0	5.60%
BF .....	30-day Average SOFR + 1.00%	6.33303%	1.00%	6.50%	0	0.00%
BS .....	5.50% – 30-day Average SOFR	0.16697%	0.00%	5.50%	0	5.50%
CF .....	30-day Average SOFR + 1.10%	6.43303%	1.10%	6.50%	0	0.00%
CS .....	5.40% – 30-day Average SOFR	0.06697%	0.00%	5.40%	0	5.40%
TA .....	5.60% – 30-day Average SOFR	0.10000%	0.00%	0.10%	0	5.60%
TI .....	5.50% – 30-day Average SOFR	0.10000%	0.00%	0.10%	0	5.50%
<b>Security Group 13</b>						
BT .....	5.60% – 30-day Average SOFR	0.10000%	0.00%	0.10%	0	5.60%
DF .....	30-day Average SOFR + 0.90%	6.23303%	0.90%	6.50%	0	0.00%
DS .....	5.60% – 30-day Average SOFR	0.26697%	0.00%	5.60%	0	5.60%
FG .....	30-day Average SOFR + 1.10%	6.43303%	1.10%	6.50%	0	0.00%
GF .....	30-day Average SOFR + 1.00%	6.33303%	1.00%	6.50%	0	0.00%
GS .....	5.50% – 30-day Average SOFR	0.16697%	0.00%	5.50%	0	5.50%
SG .....	5.40% – 30-day Average SOFR	0.06697%	0.00%	5.40%	0	5.40%
TB .....	5.50% – 30-day Average SOFR	0.10000%	0.00%	0.10%	0	5.50%
<b>Security Group 14</b>						
FL .....	30-day Average SOFR + 1.00%	6.33303%	1.00%	6.50%	0	0.00%
IT .....	5.60% – 30-day Average SOFR	0.10000%	0.00%	0.10%	0	5.60%
JF .....	30-day Average SOFR + 0.90%	6.23303%	0.90%	6.50%	0	0.00%
JS .....	5.60% – 30-day Average SOFR	0.26697%	0.00%	5.60%	0	5.60%
LF .....	30-day Average SOFR + 1.10%	6.43303%	1.10%	6.50%	0	0.00%
LS .....	5.40% – 30-day Average SOFR	0.06697%	0.00%	5.40%	0	5.40%
SL .....	5.50% – 30-day Average SOFR	0.16697%	0.00%	5.50%	0	5.50%
TJ .....	5.50% – 30-day Average SOFR	0.10000%	0.00%	0.10%	0	5.50%
<b>Security Group 15</b>						
FM .....	30-day Average SOFR + 0.90%	6.23303%	0.90%	6.50%	0	0.00%
FX .....	30-day Average SOFR + 1.00%	6.33303%	1.00%	6.50%	0	0.00%
SM .....	5.60% – 30-day Average SOFR	0.26697%	0.00%	5.60%	0	5.60%
SX .....	5.50% – 30-day Average SOFR	0.16697%	0.00%	5.50%	0	5.50%
TF .....	30-day Average SOFR + 1.10%	6.43303%	1.10%	6.50%	0	0.00%
TS .....	5.40% – 30-day Average SOFR	0.06697%	0.00%	5.40%	0	5.40%
TX .....	5.60% – 30-day Average SOFR	0.10000%	0.00%	0.10%	0	5.60%
XT .....	5.50% – 30-day Average SOFR	0.10000%	0.00%	0.10%	0	5.50%



<u>Class</u>	<u>Interest Rate Formula(1)</u>	<u>Initial Interest Rate(2)</u>	<u>Minimum Rate</u>	<u>Maximum Rate</u>	<u>Delay (in days)</u>	<u>30-day Average SOFR for Minimum Interest Rate</u>
<b>Security Groups 12, 13, 14 and 15</b>						
FQ .....	30-day Average SOFR + 1.10%	6.43303%	1.10%	6.50%	0	0.00%
IS .....	5.50% – 30-day Average SOFR	0.16697%	0.00%	5.50%	0	5.50%
SF .....	30-day Average SOFR + 1.00%	6.33303%	1.00%	6.50%	0	0.00%
SU .....	5.40% – 30-day Average SOFR	0.06697%	0.00%	5.40%	0	5.40%
SV .....	5.60% – 30-day Average SOFR	0.26697%	0.00%	5.60%	0	5.60%
VF .....	30-day Average SOFR + 0.90%	6.23303%	0.90%	6.50%	0	0.00%
<b>Security Group 16</b>						
FY .....	30-day Average SOFR + 1.00%	6.33030%	1.00%	6.50%	0	0.00%
MF .....	30-day Average SOFR + 1.10%	6.43030%	1.10%	6.50%	0	0.00%
MS .....	5.40% – 30-day Average SOFR	0.06970%	0.00%	5.40%	0	5.40%
SY .....	5.50% – 30-day Average SOFR	0.16970%	0.00%	5.50%	0	5.50%
TM .....	5.50% – 30-day Average SOFR	0.10000%	0.00%	0.10%	0	5.50%

- (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, the Subgroup 1B Principal Distribution Amount, the Subgroup 1C Principal Distribution Amount, the Subgroup 1D Principal Distribution Amount, the BZ Accrual Amount, the CZ Accrual Amount and the DZ Accrual Amount will be allocated as follows:

- The BZ Accrual Amount, sequentially, to BV and BZ, in that order, until retired
- The CZ Accrual Amount, sequentially, to CV and CZ, in that order, until retired
- The DZ Accrual Amount, sequentially, to DV and DZ, in that order, until retired
- The Subgroup 1A Principal Distribution Amount will be allocated, concurrently, as follows:
  1. 66.666666667% to FA, until retired
  2. 33.333333333%, sequentially, to A and LA, in that order, until retired
- The Subgroup 1B Principal Distribution Amount will be allocated, concurrently, as follows:
  1. 59.9999991922% to FB, until retired
  2. 40.0000008078%, sequentially, to BA, BV and BZ, in that order, until retired
- The Subgroup 1C Principal Distribution Amount will be allocated, concurrently, as follows:
  1. 60.0000005806% to FC, until retired
  2. 39.9999994194%, sequentially, to C, CV and CZ, in that order, until retired
- The Subgroup 1D Principal Distribution Amount will be allocated, concurrently, as follows:
  1. 60% to FD, until retired
  2. 40%, sequentially, to D, DV and DZ, in that order, until retired

## **SECURITY GROUP 2**

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

## **SECURITY GROUP 3**

The Group 3 Principal Distribution Amount and the HZ Accrual Amount will be allocated as follows:

- The HZ Accrual Amount, sequentially, to HV and HZ, in that order, until retired
- The Group 3 Principal Distribution Amount, sequentially, to HB, HV and HZ, in that order, until retired

## **SECURITY GROUP 4**

The Group 4 Principal Distribution Amount will be allocated, concurrently, to FN, UF and YF, pro rata, until retired

## **SECURITY GROUP 5**

The Group 5 Principal Distribution Amount and the GZ Accrual Amount will be allocated as follows:

- The GZ Accrual Amount, sequentially, to GV and GZ, in that order, until retired
- The Group 5 Principal Distribution Amount, sequentially, to GB, GM, GV and GZ, in that order, until retired

## **SECURITY GROUP 6**

The Group 6 Principal Distribution Amount will be allocated to KF, until retired

## **SECURITY GROUP 7**

The Group 7 Principal Distribution Amount will be allocated to EF, until retired

## **SECURITY GROUP 8**

The Group 8 Principal Distribution Amount will be allocated, concurrently, to FH and XF, pro rata, until retired

## **SECURITY GROUP 9**

The Group 9 Principal Distribution Amount and the ZP Accrual Amount will be allocated in the following order of priority:

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

### **SECURITY GROUP 10**

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

- The Subgroup 10A Principal Distribution Amount, sequentially, to NA and NL, in that order, until retired
- The Subgroup 10B Principal Distribution Amount, sequentially, to AN and LN, in that order, until retired
- The Subgroup 10C Principal Distribution Amount, sequentially, to KA and LK, in that order, until retired

### **SECURITY GROUP 11**

The Subgroup 11A Principal Distribution Amount, the Subgroup 11B Principal Distribution Amount, the QZ Accrual Amount and the WZ Accrual Amount will be allocated as follows:

- The QZ Accrual Amount, sequentially, to QV and QZ, in that order, until retired
- The WZ Accrual Amount, sequentially, to WV and WZ, in that order, until retired
- The Subgroup 11A Principal Distribution Amount will be allocated, concurrently, as follows:
  1. 49.9999998236% to QF, until retired
  2. 50.0000001764%, sequentially, to Q, QV and QZ, in that order, until retired
- The Subgroup 11B Principal Distribution Amount will be allocated, concurrently, as follows:
  1. 49.999999155% to WF, until retired
  2. 50.000000845%, sequentially, to W, WV and WZ, in that order, until retired

### **SECURITY GROUP 12**

The Group 12 Principal Distribution Amount will be allocated to AF, until retired

### **SECURITY GROUP 13**

The Group 13 Principal Distribution Amount will be allocated to DF, until retired

### **SECURITY GROUP 14**

The Group 14 Principal Distribution Amount will be allocated to JF, until retired

### **SECURITY GROUP 15**

The Group 15 Principal Distribution Amount will be allocated to FM, until retired

### **SECURITY GROUP 16**

The Group 16 Principal Distribution Amount, the MZ Accrual Amount and the ZM Accrual Amount will be allocated in the following order of priority:

1. To FY, until reduced to its Scheduled Principal Balance for that Distribution Date
2. Sequentially, to MZ and ZM, in that order, until retired
3. To FY, without regard to its Scheduled Principal Balance, until retired

**SECURITY GROUP 17**

The Group 17 Principal Distribution Amount, the AZ Accrual Amount, the EZ Accrual Amount, the JZ Accrual Amount and the KZ Accrual Amount will be allocated as follows:

- The AZ Accrual Amount, sequentially, to AB and AZ, in that order, until retired
- The EZ Accrual Amount, sequentially, to AB, AZ and EZ, in that order, until retired
- The JZ Accrual Amount, sequentially, to AB, AZ, EZ and JZ, in that order, until retired
- The Group 17 Principal Distribution Amount and the KZ Accrual Amount, sequentially, to AB, AZ, EZ, JZ and KZ, in that order, until retired

**SECURITY GROUP 18**

The Group 18 Principal Distribution Amount, the NZ Accrual Amount, the ZB Accrual Amount, the ZC Accrual Amount and the ZD Accrual Amount will be allocated as follows:

- The NZ Accrual Amount, sequentially, to NB and NZ, in that order, until retired
- The ZB Accrual Amount, sequentially, to NB, NZ and ZB, in that order, until retired
- The ZC Accrual Amount, sequentially, to NB, NZ, ZB and ZC, in that order, until retired
- The Group 18 Principal Distribution Amount and the ZD Accrual Amount, sequentially, to NB, NZ, ZB, ZC and ZD, in that order, until retired

**Scheduled Principal Balances:** The 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 Ranges:

<u>Security Group</u>	<b>PAC Classes</b>	<u>Structuring Ranges</u>
9	FJ .....	270% PSA through 560% PSA
16	FY .....	125% PSA through 340% 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 indicated:

<u>Class</u>	<u>Original Class Notional Balance</u>	<u>Represents Approximately</u>
<b>Security Group 1</b>		
SA .....	\$ 28,651,872	100% of FA (PT Class)
SB .....	29,711,429	100% of FB (PT Class)
SC .....	20,667,161	100% of FC (PT Class)
SD .....	2,763,120	100% of FD (PT Class)
SN .....	81,793,582	100% of FA, FB, FC and FD (in the aggregate) (PT Classes)
<b>Security Group 2</b>		
NS .....	\$ 20,000,000	100% of NF (PT Class)
<b>Security Group 4</b>		
S .....	\$100,000,000	100% of FN (PT Class)
US .....	100,000,000	100% of UF (PT Class)
YS .....	100,000,000	100% of YF (PT Class)
<b>Security Group 6</b>		
KS .....	\$100,000,000	100% of KF (PT Class)
<b>Security Group 7</b>		
ES .....	\$100,000,000	100% of EF (PT Class)
<b>Security Group 8</b>		
HS .....	\$ 50,000,000	100% of XF (PT Class)
SH .....	50,000,000	100% of FH (PT Class)
SI .....	50,000,000	100% of XF (PT Class)
TH .....	50,000,000	100% of XF (PT Class)
<b>Security Group 9</b>		
JT .....	\$ 57,500,739	100% of FJ (PAC/AD Class)
PS .....	57,500,739	100% of FJ (PAC/AD Class)
SJ .....	57,500,739	100% of FJ (PAC/AD Class)
SP .....	57,500,739	100% of FJ (PAC/AD Class)
TP .....	57,500,739	100% of FJ (PAC/AD Class)
<b>Security Group 10</b>		
BI .....	\$ 2,236,346	11.1111111111% of AN and LN (in the aggregate) (SC/SEQ Classes)
<b>Security Group 11</b>		
QS .....	\$141,733,470	100% of QF (PT Class)
QT .....	141,733,470	100% of QF (PT Class)
SK .....	141,733,470	100% of QF (PT Class)
SQ .....	141,733,470	100% of QF (PT Class)
SW .....	29,586,000	100% of WF (PT Class)
TQ .....	141,733,470	100% of QF (PT Class)
TW .....	29,586,000	100% of WF (PT Class)
WS .....	29,586,000	100% of WF (PT Class)
WT .....	29,586,000	100% of WF (PT Class)
XS .....	29,586,000	100% of WF (PT Class)
<b>Security Group 12</b>		
AS .....	\$100,000,000	100% of AF (PT Class)
BS .....	100,000,000	100% of AF (PT Class)
CS .....	100,000,000	100% of AF (PT Class)
TA .....	100,000,000	100% of AF (PT Class)
TI .....	100,000,000	100% of AF (PT Class)

<u>Class</u>	<u>Original Class Notional Balance</u>	<u>Represents Approximately</u>
<b>Security Group 13</b>		
BT .....	\$100,000,000	100% of DF (PT Class)
DS .....	100,000,000	100% of DF (PT Class)
GS .....	100,000,000	100% of DF (PT Class)
SG .....	100,000,000	100% of DF (PT Class)
TB .....	100,000,000	100% of DF (PT Class)
<b>Security Group 14</b>		
IT .....	\$100,000,000	100% of JF (PT Class)
JS .....	100,000,000	100% of JF (PT Class)
LS .....	100,000,000	100% of JF (PT Class)
SL .....	100,000,000	100% of JF (PT Class)
TJ .....	100,000,000	100% of JF (PT Class)
<b>Security Group 15</b>		
SM .....	\$100,000,000	100% of FM (PT Class)
SX .....	100,000,000	100% of FM (PT Class)
TS .....	100,000,000	100% of FM (PT Class)
TX .....	100,000,000	100% of FM (PT Class)
XT .....	100,000,000	100% of FM (PT Class)
<b>Security Groups 12, 13, 14 and 15</b>		
IS .....	\$400,000,000	100% of AF, DF, FM and JF (in the aggregate) (PT Classes)
SU .....	400,000,000	100% of AF, DF, FM and JF (in the aggregate) (PT Classes)
SV .....	400,000,000	100% of AF, DF, FM and JF (in the aggregate) (PT Classes)
<b>Security Group 16</b>		
IM .....	\$ 30,162,328	46.1538461538% of FY (PAC/AD Class)
MS .....	65,351,711	100% of FY (PAC/AD Class)
SY .....	65,351,711	100% of FY (PAC/AD Class)
TM .....	65,351,711	100% of FY (PAC/AD Class)

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

<u>Trust Assets</u>	<u>Trust REMIC</u>
Group 12 Trust Assets	Group 12 REMIC
Group 13 Trust Assets	Group 13 REMIC
Group 14 Trust Assets	Group 14 REMIC
Group 15 Trust Assets	Group 15 REMIC
Group 17 Trust Assets	Group 17 REMIC
Group 18 Trust Assets	Group 18 REMIC

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

<u>Trust Assets</u>	<u>Trust REMIC</u>
Group 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 and 16 Trust Assets	Group 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 and 16 Pooling REMIC and Group 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 and 16 Issuing REMIC

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

**Regular and Residual Classes:** Classes RR, R12, R13, R14, R15, R17 and R18 are Residual Classes and represent the Residual Interest of the related Trust REMIC or Trust REMICs, as applicable, as described under “Certain United States Federal Income Taxes — Residual Securities” in this Supplement. 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 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 classes, the related support classes will not receive any principal distribution on that date (other than from any applicable accrual amount). If prepayments result in principal distributions on any distribution date greater than the amount needed to produce scheduled payments on the PAC classes for that distribution date, this excess will be distributed to the related support classes.

***The rate of payments on the underlying certificates will directly affect the rate of payments on the group 10 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 subgroups 10A, 10B and 10C 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.

The trust assets underlying certain of the underlying certificates included in trust asset subgroups 10A and 10B are also previously issued certificates that represent beneficial ownership interests in separate trusts. The rate of payments on the previously issued certificates backing these underlying certificates will directly affect the timing and rate of payments on the group 10 securities. You should read the related underlying certificate disclosure documents, including the risk factors contained therein, to understand the payments on and related risks of the previously issued certificates backing these underlying certificates.

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, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 and 16 trust assets and up to 100% of the mortgage loans underlying the group 17 and 18 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 10 securities and, in particular, the support, interest 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 supplement 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, 2, 3, 4, 5, 6, 7, 8, 9, 11, 12, 13, 14, 15, 16, 17 and 18)**

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 (Group 10)**

The Group 10 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](http://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, 2, 3, 4, 5, 6, 7, 8, 11, 12, 13, 14, 15, 17 and 18 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, 2, 3, 4, 5, 6, 7, 8, 11, 12, 13, 14, 15, 17 and 18 Trust Assets” and the general characteristics described in the Base Offering Circular. The Mortgage Loans underlying the Group 9 and 16 Trust Assets are expected to have, on a weighted average basis, the characteristics set forth in Exhibit B to this Supplement under “Characteristics of the Mortgage Loans Underlying the Group 9 and 16 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 notional balance.

### **Distributions**

Distributions on the Securities will be made on each Distribution Date as specified under “Terms Sheet — Distribution Date” in this Supplement. On each Distribution Date for a Security, or in the case of the Certificated Securities, on the first Business Day after the related Distribution Date, the 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:

<u>Class</u>	<u>Accrual Period</u>
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](http://ginniemae.gov) or by calling the Information Agent at (800) 234-GNMA.

#### *Accrual Classes*

Each of Classes AZ, BZ, CZ, DZ, EZ, GZ, HZ, JZ, KZ, MZ, NZ, QZ, WZ, ZB, ZC, ZD, ZM and ZP 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 related Trust REMIC or Trust REMICs, as applicable, 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 related Trust REMIC or Trust REMICs, as applicable, after the Class Principal Balance or Class Notional Balance of each Class of Regular Securities in the related Security Group or Groups has been reduced to zero. However, any remaining proceeds are not likely to be significant. The Residual Securities may not be transferred to a Plan Investor, a Non-U.S. Person or a Disqualified Organization.

#### **Class Factors**

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

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

### **Termination**

The Trustee, at its option, may purchase or cause the sale of the Trust Assets and thereby terminate the Trust on any Distribution Date on which the aggregate of the Class Principal Balances of the Securities is less than 1% of the aggregate Original Class Principal Balances of the Securities. The exercise of this option may be influenced by a number of factors, including but not limited to, the value of the Trust Assets then remaining in the Trust and general market conditions. The Trustee will be entitled to retain all proceeds and any other amounts in excess of the termination price payable to the Securities under the Trust Agreement.

On any Distribution Date upon the Trustee’s determination that the REMIC status of any Trust REMIC has been lost or that a substantial risk exists that this status will be lost for the then current taxable year, the Trustee will terminate such Trust REMIC and any related Trust REMIC and retire the related Securities. For these purposes, the Trust REMICs and the Securities with corresponding numerical designations are related as follows:

<u>Trust REMICs</u>	<u>Related Securities</u>
Group 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 and 16 Issuing and Pooling REMICs	Group 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 and 16 Securities
Group 12 REMIC	Group 12 Securities
Group 13 REMIC	Group 13 Securities
Group 14 REMIC	Group 14 Securities
Group 15 REMIC	Group 15 Securities
Group 17 REMIC	Group 17 Securities
Group 18 REMIC	Group 18 Securities

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

With respect to each of Security Groups 12, 13, 14, 15, 17 and 18, a Holder of all of the outstanding Regular Securities of any such Security Group and the related Class of Residual Securities will have the right to purchase the related Trust Assets upon three Business Days' notice (the "Notice Period"). The purchase will be for cash in an amount equal to (A)(i) the aggregate remaining principal balance of the assets of such Security Group, but in no event less than the aggregate outstanding principal amount of the Securities of such Security Group, plus (ii) accrued interest on the Securities of such Security Group, less (B) amounts on deposit in the related Trust REMIC for distribution on the Securities of such Security Group, plus (C) a \$5,000 termination fee payable to the Trustee in connection with each Security Group to be terminated. After the Notice Period, and upon such purchase, the Trustee will terminate the related Trust REMIC. Upon such termination, the Trustee will distribute the cash proceeds of the sale of the related Trust Assets to the Holder of the related Securities (which distribution may be offset against amounts due on the sale of such assets), will cancel the Securities of the related Security Group and cause the removal from the Book-Entry Depository Account of all Classes of the related Security Group, will cancel the related Class of Residual Securities, and will credit the remaining Trust Assets in the related Security Group to the account of the surrendering Holder. Notwithstanding anything to the contrary contained herein, no such termination will be allowed unless the Trustee and Ginnie Mae are provided, at no cost to either the Trustee or Ginnie Mae, an Opinion of Counsel, acceptable to the Trustee and Ginnie Mae, to the effect that such termination constitutes a "qualified liquidation" under the REMIC Provisions, including Section 860F(a)(4) of the Code, and such termination will not result in a disqualification of any Trust REMIC that is not terminated at such time or the imposition of any "prohibited transactions" or "contributions" tax under the REMIC Provisions on any Trust REMIC that is not terminated at such time.

### **Modification and Exchange**

All or a portion of the Classes of REMIC Securities specified on the front cover may be exchanged for a proportionate interest in the related MX Class 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 Classes of REMIC Securities and, in the case of Combinations 48, 49, 50, 51 and 53, 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 Combination 53, the related 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 and 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 2024-095. 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 10 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 10 securities*” in this Supplement.

**Accretion Directed Classes**

Classes AB, AZ, BV, CV, DV, EZ, FJ, FY, GV, HV, JZ, MZ, NB, NZ, QV, WV, ZB and ZC 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 JT, MS, SP, TM and TP 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 “Term 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 BV, CV, DV, HV, GV, QV and WV 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 BV, CV, DV, HV, GV, QV and WV, 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**

<u>Security Group</u>	<u>Class</u>	<u>Maximum Weighted Average Life (in years)<sup>(1)</sup></u>	<u>Final Distribution Date</u>	<u>Prepayment Rate at or below</u>
1	BV .....	6.0	May 2035	294% PSA
1	CV .....	6.0	May 2035	297% PSA
1	DV .....	6.0	May 2035	300% PSA
3	HV .....	6.0	April 2035	155% PSA
5	GV .....	6.0	May 2035	140% PSA
11	QV .....	6.0	May 2035	211% PSA
11	WV .....	6.0	May 2035	210% 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 BV, CV, DV, HV, GV, QV or WV, 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 Class will receive principal payments in accordance with a schedule calculated on the basis of, among other things, a Structuring Range. 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 Class exhibits an Effective Range of constant prepayment rates at which such Class will receive Scheduled Payments. That range may differ from the Structuring Range used to create the related principal balance schedule. Based on the Modeling Assumptions, the *initial* Effective Ranges for the PAC Classes are as follows:

<u>Security Group</u>	<u>PAC Classes</u>	<u>Initial Effective Ranges</u>
9	FJ .....	270% PSA through 560% PSA
16	FY .....	125% PSA through 340% PSA

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

**If all of the Classes supporting a given Class are retired before the Class being supported is retired, the outstanding Class will no longer have an Effective Range 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 Ranges. If the initial Effective Ranges were calculated using the actual characteristics of the related Mortgage Loans, the initial Effective Ranges could differ from those shown in the above table. Therefore, even if the Mortgage Loans were to prepay at a constant rate within the initial Effective Range 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 Class not to receive Scheduled Payments, even if prepayment rates remain within the initial Effective Range for that Class. Further, the Effective Range for any PAC Class can narrow, shift over time 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 for any PAC Class, the amount available to pay principal on the Securities may be insufficient to produce Scheduled Payments on such related PAC 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 for any PAC Class, its supporting Class or Classes may be retired earlier than that PAC 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, 2, 3, 4, 5, 6, 7, 8, 11, 12, 13, 14, 15, 17 and 18 Trust Assets have the assumed characteristics shown under “Assumed Characteristics of the Mortgage Loans Underlying the Group 1, 2, 3, 4, 5, 6, 7, 8, 11, 12, 13, 14, 15, 17 and 18 Trust Assets” in the Terms Sheet, and the Mortgage Loans underlying the Group 9 and 16 Trust Assets have the characteristics shown under “Characteristics of the Mortgage Loans Underlying the Group 9 and 16 Trust Assets” in Exhibit B except in the case of information set forth under the 0% PSA Prepayment Assumption Rate, for which each Mortgage Loan underlying a Group 1, 2, 3, 4, 5, 6, 7, 8, 11, 12, 13, 14, 15, 17 or 18 Trust Asset is assumed to have an original and a remaining term to maturity of 360 months and 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 Securities are always received on the 20th day of the month, whether or not a Business Day, commencing in July 2024.

4. A termination of the Trust, any Trust REMIC or any Underlying Trust does not occur.

5. The Closing Date for the Securities is June 28, 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 20th day of the month, 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																								
Distribution Date	Class A						Class B						Class BA						Class BV					
	0%	100%	250%	443%	650%	900%	0%	100%	250%	443%	650%	900%	0%	100%	250%	443%	650%	900%	0%	100%	250%	443%	650%	900%
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	
June 2025	99	97	94	90	86	81	99	97	94	91	87	82	99	97	95	91	88	83	93	93	93	93	93	93
June 2026	98	91	82	70	58	45	98	91	82	71	60	46	98	92	83	72	61	48	86	86	86	86	86	86
June 2027	97	84	67	47	30	13	97	84	67	48	31	14	97	84	68	49	32	15	78	78	78	78	78	78
June 2028	96	77	54	30	12	0	96	77	54	31	13	0	96	77	54	31	13	0	70	70	70	70	70	48
June 2029	95	70	43	18	1	0	95	70	43	18	2	0	95	71	43	19	2	0	61	61	61	61	61	0
June 2030	93	64	33	9	0	0	94	64	34	9	0	0	93	64	34	9	0	0	52	52	52	52	0	0
June 2031	92	58	25	2	0	0	92	58	26	3	0	0	92	58	26	3	0	0	43	43	43	43	0	0
June 2032	90	53	19	0	0	0	91	53	19	0	0	0	90	53	19	0	0	0	32	32	32	0	0	0
June 2033	89	47	13	0	0	0	89	47	14	0	0	0	89	47	14	0	0	0	22	22	22	0	0	0
June 2034	87	42	8	0	0	0	87	42	9	0	0	0	87	42	9	0	0	0	10	10	10	0	0	0
June 2035	85	38	5	0	0	0	85	38	5	0	0	0	85	38	5	0	0	0	0	0	0	0	0	0
June 2036	83	33	1	0	0	0	83	33	2	0	0	0	83	33	1	0	0	0	0	0	0	0	0	0
June 2037	80	29	0	0	0	0	80	29	0	0	0	0	80	29	0	0	0	0	0	0	0	0	0	0
June 2038	78	25	0	0	0	0	78	25	0	0	0	0	78	25	0	0	0	0	0	0	0	0	0	0
June 2039	75	22	0	0	0	0	75	21	0	0	0	0	75	21	0	0	0	0	0	0	0	0	0	0
June 2040	72	18	0	0	0	0	72	18	0	0	0	0	72	18	0	0	0	0	0	0	0	0	0	0
June 2041	68	15	0	0	0	0	68	15	0	0	0	0	68	15	0	0	0	0	0	0	0	0	0	0
June 2042	65	12	0	0	0	0	65	12	0	0	0	0	65	11	0	0	0	0	0	0	0	0	0	0
June 2043	61	9	0	0	0	0	61	9	0	0	0	0	61	9	0	0	0	0	0	0	0	0	0	0
June 2044	56	6	0	0	0	0	57	6	0	0	0	0	56	6	0	0	0	0	0	0	0	0	0	0
June 2045	52	3	0	0	0	0	52	3	0	0	0	0	52	3	0	0	0	0	0	0	0	0	0	0
June 2046	46	1	0	0	0	0	47	1	0	0	0	0	47	0	0	0	0	0	0	0	0	0	0	0
June 2047	41	0	0	0	0	0	41	0	0	0	0	0	41	0	0	0	0	0	0	0	0	0	0	0
June 2048	35	0	0	0	0	0	35	0	0	0	0	0	35	0	0	0	0	0	0	0	0	0	0	0
June 2049	28	0	0	0	0	0	28	0	0	0	0	0	28	0	0	0	0	0	0	0	0	0	0	0
June 2050	21	0	0	0	0	0	21	0	0	0	0	0	21	0	0	0	0	0	0	0	0	0	0	0
June 2051	13	0	0	0	0	0	13	0	0	0	0	0	13	0	0	0	0	0	0	0	0	0	0	0
June 2052	5	0	0	0	0	0	5	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0
June 2053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
June 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)	19.5	9.4	5.0	3.2	2.4	1.9	19.5	9.5	5.0	3.2	2.4	1.9	19.5	9.5	5.0	3.3	2.5	2.0	6.0	6.0	6.0	5.4	4.4	3.5

PSA Prepayment Assumption Rates																								
Distribution Date	Class BZ						Class C						Class CV						Class CZ					
	0%	100%	250%	443%	650%	900%	0%	100%	250%	443%	650%	900%	0%	100%	250%	443%	650%	900%	0%	100%	250%	443%	650%	900%
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
June 2025	106	106	106	106	106	106	99	97	94	90	86	81	93	93	93	93	93	93	106	106	106	106	106	106
June 2026	112	112	112	112	112	112	98	91	82	70	59	45	86	86	86	86	86	86	112	112	112	112	112	112
June 2027	118	118	118	118	118	118	97	84	67	48	30	13	78	78	78	78	78	78	118	118	118	118	118	118
June 2028	125	125	125	125	125	125	96	77	54	31	13	0	70	70	70	70	70	44	125	125	125	125	125	125
June 2029	132	132	132	132	132	74	95	70	43	18	2	0	61	61	61	61	61	0	132	132	132	132	132	73
June 2030	139	139	139	139	124	34	94	64	34	9	0	0	52	52	52	52	0	0	139	139	139	139	124	33
June 2031	147	147	147	147	74	15	92	58	26	3	0	0	43	43	43	43	0	0	147	147	147	147	74	15
June 2032	155	155	155	155	45	7	91	52	19	0	0	0	32	32	32	2	0	0	155	155	155	155	44	7
June 2033	164	164	164	111	27	3	89	47	14	0	0	0	22	22	22	0	0	0	164	164	164	113	27	3
June 2034	173	173	173	80	16	1	87	42	9	0	0	0	10	10	10	0	0	0	173	173	173	81	16	1
June 2035	182	182	182	57	9	1	85	38	5	0	0	0	0	0	0	0	0	0	182	182	182	58	9	1
June 2036	182	182	182	41	6	0	83	33	2	0	0	0	0	0	0	0	0	0	182	182	182	41	6	0
June 2037	182	182	164	29	3	0	80	29	0	0	0	0	0	0	0	0	0	0	182	182	167	29	3	0
June 2038	182	182	135	21	2	0	78	25	0	0	0	0	0	0	0	0	0	0	182	182	137	21	2	0
June 2039	182	182	111	15	1	0	75	21	0	0	0	0	0	0	0	0	0	0	182	182	113	15	1	0
June 2040	182	182	90	10	1	0	72	18	0	0	0	0	0	0	0	0	0	0	182	182	92	10	1	0
June 2041	182	182	73	7	0	0	69	15	0	0	0	0	0	0	0	0	0	0	182	182	74	7	0	0
June 2042	182	182	59	5	0	0	65	11	0	0	0	0	0	0	0	0	0	0	182	182	60	5	0	0
June 2043	182	182	48	4	0	0	61	8	0	0	0	0	0	0	0	0	0	0	182	182	48	4	0	0
June 2044	182	182	38	2	0	0	57	6	0	0	0	0	0	0	0	0	0	0	182	182	38	2	0	0
June 2045	182	182	30	2	0	0	52	3	0	0	0	0	0	0	0	0	0	0	182	182	30	2	0	0
June 2046	182	182	23	1	0	0	47	0	0	0	0	0	0	0	0	0	0	0	182	182	23	1	0	0
June 2047	182	158	18	1	0	0	41	0	0	0	0	0	0	0	0	0	0	0	182	157	17	1	0	0
June 2048	182	130	13	0	0	0	35	0	0	0	0	0	0	0	0	0	0	0	182	127	13	0	0	0
June 2049	182	104	9	0	0	0	29	0	0	0	0	0	0	0	0	0	0	0	182	100	9	0	0	0
June 2050	182	79	6	0	0	0	21	0	0	0	0	0	0	0	0	0	0	0	182	73	6	0	0	0
June 2051	182	55	4	0	0	0	14	0	0	0	0	0	0	0	0	0	0	0	182	48	4	0	0	0
June 2052	182	32	2	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	182	25	2	0	0	0
June 2053	124	10	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	129	2	0	0	0	0
June 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)	29.3	25.6	17.1	11.0	7.8	5.6	19.6	9.4	5.0	3.2	2.4	1.9	6.0	6.0	6.0	5.4	4.4	3.5	29.3	25.5	17.1	11.0	7.8	5.6

**Security Group 1  
PSA Prepayment Assumption Rates**

Distribution Date	Class D						Class DV						Class DZ						Classes FA and SA					
	0%	100%	250%	443%	650%	900%	0%	100%	250%	443%	650%	900%	0%	100%	250%	443%	650%	900%	0%	100%	250%	443%	650%	900%
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
June 2025	99	97	93	88	83	77	93	93	93	93	93	93	106	106	106	106	106	106	99	97	95	92	88	84
June 2026	98	91	80	67	54	40	86	86	86	86	86	86	112	112	112	112	112	112	98	92	84	74	64	52
June 2027	97	83	65	45	27	11	78	78	78	78	78	78	118	118	118	118	118	118	98	86	71	54	39	24
June 2028	96	76	53	29	11	0	70	70	70	70	70	30	125	125	125	125	125	125	97	80	60	39	23	11
June 2029	95	70	42	17	1	0	61	61	61	61	61	0	132	132	132	132	132	68	95	74	50	28	14	5
June 2030	94	64	33	9	0	0	52	52	52	52	0	0	139	139	139	139	121	31	94	69	42	21	8	2
June 2031	92	58	25	3	0	0	43	43	43	43	0	0	147	147	147	147	72	14	93	64	35	15	5	1
June 2032	91	52	19	0	0	0	32	32	32	2	0	0	155	155	155	155	43	6	92	59	29	11	3	0
June 2033	89	47	14	0	0	0	22	22	22	0	0	0	164	164	164	113	26	3	90	54	24	8	2	0
June 2034	87	42	9	0	0	0	10	10	10	0	0	0	173	173	173	81	15	1	89	50	20	6	1	0
June 2035	85	38	5	0	0	0	0	0	0	0	0	0	182	182	182	58	9	1	87	46	17	4	1	0
June 2036	83	34	2	0	0	0	0	0	0	0	0	0	182	182	182	42	5	0	85	42	14	3	0	0
June 2037	81	29	0	0	0	0	0	0	0	0	0	0	182	182	172	30	3	0	83	38	12	2	0	0
June 2038	78	26	0	0	0	0	0	0	0	0	0	0	182	182	142	21	2	0	81	35	10	1	0	0
June 2039	75	22	0	0	0	0	0	0	0	0	0	0	182	182	116	15	1	0	78	32	8	1	0	0
June 2040	72	19	0	0	0	0	0	0	0	0	0	0	182	182	95	11	1	0	75	29	6	1	0	0
June 2041	69	15	0	0	0	0	0	0	0	0	0	0	182	182	77	7	0	0	72	26	5	1	0	0
June 2042	65	12	0	0	0	0	0	0	0	0	0	0	182	182	63	5	0	0	69	23	4	0	0	0
June 2043	61	9	0	0	0	0	0	0	0	0	0	0	182	182	50	4	0	0	66	20	3	0	0	0
June 2044	57	7	0	0	0	0	0	0	0	0	0	0	182	182	40	2	0	0	62	18	3	0	0	0
June 2045	52	4	0	0	0	0	0	0	0	0	0	0	182	182	31	2	0	0	58	16	2	0	0	0
June 2046	47	2	0	0	0	0	0	0	0	0	0	0	182	182	24	1	0	0	53	14	2	0	0	0
June 2047	42	0	0	0	0	0	0	0	0	0	0	0	182	172	19	1	0	0	49	11	1	0	0	0
June 2048	36	0	0	0	0	0	0	0	0	0	0	0	182	142	14	0	0	0	43	10	1	0	0	0
June 2049	29	0	0	0	0	0	0	0	0	0	0	0	182	114	10	0	0	0	37	8	1	0	0	0
June 2050	22	0	0	0	0	0	0	0	0	0	0	0	182	87	7	0	0	0	31	6	0	0	0	0
June 2051	14	0	0	0	0	0	0	0	0	0	0	0	182	62	4	0	0	0	24	4	0	0	0	0
June 2052	6	0	0	0	0	0	0	0	0	0	0	0	182	38	2	0	0	0	17	3	0	0	0	0
June 2053	0	0	0	0	0	0	0	0	0	0	0	0	135	15	1	0	0	0	9	1	0	0	0	0
June 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)	19.6	9.5	4.9	3.1	2.3	1.8	6.0	6.0	6.0	5.4	4.4	3.4	29.4	26.0	17.3	11.0	7.7	5.5	20.8	11.6	6.5	4.1	3.0	2.3

**PSA Prepayment Assumption Rates**

Distribution Date	Classes FB and SB						Classes FC and SC						Classes FD and SD						Classes FE and SN					
	0%	100%	250%	443%	650%	900%	0%	100%	250%	443%	650%	900%	0%	100%	250%	443%	650%	900%	0%	100%	250%	443%	650%	900%
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
June 2025	99	98	95	92	89	85	99	97	95	92	88	84	99	97	94	90	85	80	99	97	95	92	88	84
June 2026	98	93	85	76	66	55	98	92	84	74	64	52	98	92	82	71	60	47	98	93	84	75	64	53
June 2027	98	86	72	55	40	26	98	86	71	54	39	24	98	85	69	52	36	21	98	86	71	55	39	25
June 2028	97	80	60	40	24	12	97	80	60	39	23	11	97	79	58	37	22	10	97	80	60	40	24	11
June 2029	95	74	51	29	15	5	95	74	50	28	14	5	95	73	49	27	13	4	95	74	50	29	14	5
June 2030	94	69	42	21	9	2	94	68	42	21	8	2	94	68	41	20	8	2	94	69	42	21	9	2
June 2031	93	64	35	15	5	1	93	63	35	15	5	1	93	63	34	14	5	1	93	64	35	15	5	1
June 2032	92	59	30	11	3	0	92	58	29	11	3	0	92	58	29	10	3	0	92	59	29	11	3	0
June 2033	90	54	25	8	2	0	90	54	24	8	2	0	90	54	24	7	2	0	90	54	24	8	2	0
June 2034	89	50	21	6	1	0	89	49	20	6	1	0	89	49	20	5	1	0	89	50	20	6	1	0
June 2035	87	46	17	4	1	0	87	45	17	4	1	0	87	45	16	4	1	0	87	46	17	4	1	0
June 2036	85	42	14	3	0	0	85	41	14	3	0	0	85	41	14	3	0	0	85	42	14	3	0	0
June 2037	83	38	12	2	0	0	83	38	11	2	0	0	83	38	11	2	0	0	83	38	12	2	0	0
June 2038	81	35	10	1	0	0	81	34	9	1	0	0	81	34	9	1	0	0	81	35	10	1	0	0
June 2039	78	32	8	1	0	0	78	31	8	1	0	0	78	31	8	1	0	0	78	32	8	1	0	0
June 2040	75	29	6	1	0	0	75	28	6	1	0	0	75	28	6	1	0	0	75	28	6	1	0	0
June 2041	72	26	5	1	0	0	72	25	5	0	0	0	72	25	5	0	0	0	72	26	5	1	0	0
June 2042	69	23	4	0	0	0	69	22	4	0	0	0	69	23	4	0	0	0	69	23	4	0	0	0
June 2043	66	20	3	0	0	0	66	20	3	0	0	0	66	20	3	0	0	0	66	20	3	0	0	0
June 2044	62	18	3	0	0	0	62	17	3	0	0	0	62	18	3	0	0	0	62	18	3	0	0	0
June 2045	58	16	2	0	0	0	58	15	2	0	0	0	58	15	2	0	0	0	58	15	2	0	0	0
June 2046	53	13	2	0	0	0	53	13	2	0	0	0	53	13	2	0	0	0	53	13	2	0	0	0
June 2047	49	11	1	0	0	0	49	11	1	0	0	0	49	11	1	0	0	0	49	11	1	0	0	0
June 2048	43	9	1	0	0	0	43	9	1	0	0	0	43	9	1	0	0	0	43	9	1	0	0	0
June 2049	37	7	1	0	0	0	37	7	1	0	0	0	37	7	1	0	0	0	37	7	1	0	0	0
June 2050	31	6	0	0	0	0	31	5	0	0	0	0	31	6	0	0	0	0	31	6	0	0	0	0
June 2051	24	4	0	0	0	0	24	3	0	0	0	0	24	4	0	0	0	0	24	4	0	0	0	0
June 2052	17	2	0	0	0	0	17	2	0	0	0	0	17	2	0	0	0	0	17	2	0	0	0	0
June 2053	9	1	0	0	0	0	9	0	0	0	0	0	9	1	0	0	0	0	9	1	0	0	0	0
June 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)	20.8	11.6	6.6	4.2	3.1	2.4	20.8	11.4	6.5	4.1	3.0	2.3	20.8	11.4	6.4	4.0	2.9	2.2	20.8	11.5	6.5	4.1	3.0	2.3

**Security Group 1  
PSA Prepayment Assumption Rates**

Distribution Date	Class LA						Class LB						Class VA						Class ZA					
	0%	100%	250%	443%	650%	900%	0%	100%	250%	443%	650%	900%	0%	100%	250%	443%	650%	900%	0%	100%	250%	443%	650%	900%
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
June 2025	100	100	100	100	100	100	100	100	100	100	100	100	93	93	93	93	93	93	106	106	106	106	106	106
June 2026	100	100	100	100	100	100	100	100	100	100	100	100	86	86	86	86	86	86	112	112	112	112	112	112
June 2027	100	100	100	100	100	100	100	100	100	100	100	100	78	78	78	78	78	78	118	118	118	118	118	118
June 2028	100	100	100	100	100	85	100	100	100	100	100	89	70	70	70	70	70	46	125	125	125	125	125	125
June 2029	100	100	100	100	100	38	100	100	100	100	100	40	61	61	61	61	61	0	132	132	132	132	132	73
June 2030	100	100	100	100	65	17	100	100	100	100	68	18	52	52	52	52	0	0	139	139	139	139	124	33
June 2031	100	100	100	100	39	8	100	100	100	100	41	8	43	43	43	43	0	0	147	147	147	147	74	15
June 2032	100	100	100	83	24	4	100	100	100	86	24	4	32	32	32	1	0	0	155	155	155	155	44	7
June 2033	100	100	100	60	14	2	100	100	100	62	15	2	22	22	22	0	0	0	164	164	164	112	27	3
June 2034	100	100	100	43	8	1	100	100	100	44	9	1	10	10	10	0	0	0	173	173	173	80	16	1
June 2035	100	100	100	31	5	0	100	100	100	32	5	0	0	0	0	0	0	0	182	182	182	58	9	1
June 2036	100	100	100	22	3	0	100	100	100	23	3	0	0	0	0	0	0	0	182	182	182	41	6	0
June 2037	100	100	89	16	2	0	100	100	91	16	2	0	0	0	0	0	0	0	182	182	166	29	3	0
June 2038	100	100	73	11	1	0	100	100	75	11	1	0	0	0	0	0	0	0	182	182	136	21	2	0
June 2039	100	100	60	8	1	0	100	100	62	8	1	0	0	0	0	0	0	0	182	182	112	15	1	0
June 2040	100	100	49	6	0	0	100	100	50	6	0	0	0	0	0	0	0	0	182	182	91	10	1	0
June 2041	100	100	40	4	0	0	100	100	41	4	0	0	0	0	0	0	0	0	182	182	74	7	0	0
June 2042	100	100	32	3	0	0	100	100	33	3	0	0	0	0	0	0	0	0	182	182	60	5	0	0
June 2043	100	100	26	2	0	0	100	100	26	2	0	0	0	0	0	0	0	0	182	182	48	4	0	0
June 2044	100	100	21	1	0	0	100	100	21	1	0	0	0	0	0	0	0	0	182	182	38	2	0	0
June 2045	100	100	16	1	0	0	100	100	16	1	0	0	0	0	0	0	0	0	182	182	30	2	0	0
June 2046	100	100	13	1	0	0	100	100	13	1	0	0	0	0	0	0	0	0	182	182	23	1	0	0
June 2047	100	89	10	0	0	0	100	87	10	0	0	0	0	0	0	0	0	0	182	158	18	1	0	0
June 2048	100	73	7	0	0	0	100	71	7	0	0	0	0	0	0	0	0	0	182	130	13	0	0	0
June 2049	100	59	5	0	0	0	100	57	5	0	0	0	0	0	0	0	0	0	182	103	9	0	0	0
June 2050	100	45	4	0	0	0	100	42	3	0	0	0	0	0	0	0	0	0	182	77	6	0	0	0
June 2051	100	32	2	0	0	0	100	29	2	0	0	0	0	0	0	0	0	0	182	53	4	0	0	0
June 2052	100	20	1	0	0	0	100	16	1	0	0	0	0	0	0	0	0	0	182	29	2	0	0	0
June 2053	68	8	1	0	0	0	70	4	0	0	0	0	0	0	0	0	0	0	127	7	0	0	0	0
June 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)	29.3	25.8	17.0	10.4	7.1	5.1	29.3	25.6	17.1	10.5	7.2	5.1	6.0	6.0	6.0	5.4	4.4	3.5	29.3	25.6	17.1	11.0	7.8	5.6

**Security Group 2  
PSA Prepayment Assumption Rates**

Distribution Date	Classes NF and NS					
	0%	100%	250%	435%	650%	900%
Initial Percent	100	100	100	100	100	100
June 2025	99	97	93	89	84	78
June 2026	98	91	81	70	58	44
June 2027	98	85	68	51	35	20
June 2028	97	79	57	37	21	9
June 2029	95	73	48	27	13	4
June 2030	94	68	40	20	8	2
June 2031	93	62	34	14	5	1
June 2032	92	58	28	10	3	0
June 2033	90	53	23	8	2	0
June 2034	89	49	20	5	1	0
June 2035	87	45	16	4	1	0
June 2036	85	41	13	3	0	0
June 2037	83	37	11	2	0	0
June 2038	81	34	9	1	0	0
June 2039	78	31	7	1	0	0
June 2040	75	28	6	1	0	0
June 2041	72	25	5	1	0	0
June 2042	69	22	4	0	0	0
June 2043	66	20	3	0	0	0
June 2044	62	17	3	0	0	0
June 2045	58	15	2	0	0	0
June 2046	53	13	2	0	0	0
June 2047	49	11	1	0	0	0
June 2048	43	9	1	0	0	0
June 2049	37	7	1	0	0	0
June 2050	31	5	0	0	0	0
June 2051	24	4	0	0	0	0
June 2052	17	2	0	0	0	0
June 2053	9	0	0	0	0	0
June 2054	0	0	0	0	0	0
Weighted Average Life (years)	20.8	11.3	6.3	4.0	2.8	2.1

**Security Group 3  
PSA Prepayment Assumption Rates**

Distribution Date	Class HB					Class HL					Class HV					Class HZ				
	0%	100%	238%	350%	500%	0%	100%	238%	350%	500%	0%	100%	238%	350%	500%	0%	100%	238%	350%	500%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
June 2025	99	96	94	92	89	100	100	100	100	100	93	93	93	93	93	106	106	106	106	106
June 2026	97	89	80	72	62	100	100	100	100	100	86	86	86	86	86	113	113	113	113	113
June 2027	96	80	61	46	29	100	100	100	100	100	78	78	78	78	78	120	120	120	120	120
June 2028	94	70	44	25	5	100	100	100	100	100	70	70	70	70	70	127	127	127	127	127
June 2029	92	62	29	9	0	100	100	100	100	76	62	62	62	62	11	135	135	135	135	135
June 2030	90	53	17	0	0	100	100	100	92	52	52	52	52	36	0	143	143	143	143	100
June 2031	88	45	7	0	0	100	100	100	71	36	43	43	43	0	0	152	152	152	136	69
June 2032	86	38	0	0	0	100	100	96	55	25	32	32	23	0	0	161	161	161	106	47
June 2033	83	31	0	0	0	100	100	80	43	17	21	21	0	0	0	171	171	153	82	32
June 2034	80	25	0	0	0	100	100	67	33	12	10	10	0	0	0	182	182	128	63	22
June 2035	77	18	0	0	0	100	100	56	25	8	0	0	0	0	0	191	191	107	48	15
June 2036	74	13	0	0	0	100	100	47	20	5	0	0	0	0	0	191	191	89	37	10
June 2037	71	7	0	0	0	100	100	39	15	4	0	0	0	0	0	191	191	74	29	7
June 2038	67	2	0	0	0	100	100	32	11	2	0	0	0	0	0	191	191	61	22	5
June 2039	63	0	0	0	0	100	95	27	9	2	0	0	0	0	0	191	180	51	17	3
June 2040	59	0	0	0	0	100	85	22	7	1	0	0	0	0	0	191	163	42	13	2
June 2041	55	0	0	0	0	100	76	18	5	1	0	0	0	0	0	191	146	34	9	1
June 2042	50	0	0	0	0	100	68	15	4	0	0	0	0	0	0	191	130	28	7	1
June 2043	45	0	0	0	0	100	60	12	3	0	0	0	0	0	0	191	115	22	5	1
June 2044	39	0	0	0	0	100	53	9	2	0	0	0	0	0	0	191	101	18	4	0
June 2045	33	0	0	0	0	100	46	7	1	0	0	0	0	0	0	191	88	14	3	0
June 2046	26	0	0	0	0	100	40	6	1	0	0	0	0	0	0	191	76	11	2	0
June 2047	19	0	0	0	0	100	34	5	1	0	0	0	0	0	0	191	64	9	1	0
June 2048	11	0	0	0	0	100	28	3	1	0	0	0	0	0	0	191	53	7	1	0
June 2049	3	0	0	0	0	100	22	3	0	0	0	0	0	0	0	191	43	5	1	0
June 2050	0	0	0	0	0	88	17	2	0	0	0	0	0	0	0	169	33	3	0	0
June 2051	0	0	0	0	0	69	13	1	0	0	0	0	0	0	0	131	24	2	0	0
June 2052	0	0	0	0	0	48	8	1	0	0	0	0	0	0	0	91	15	1	0	0
June 2053	0	0	0	0	0	25	4	0	0	0	0	0	0	0	0	47	7	1	0	0
June 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)	16.5	6.8	3.8	3.0	2.4	27.8	21.0	13.0	9.5	6.9	6.0	6.0	5.6	4.8	3.9	27.8	21.0	13.7	10.5	7.8

**Security Group 4  
PSA Prepayment Assumption Rates**

Distribution Date	Classes FN, S, UF, US, YF and YS					
	0%	100%	250%	435%	650%	900%
Initial Percent	100	100	100	100	100	100
June 2025	99	97	93	89	84	78
June 2026	98	91	81	70	58	44
June 2027	98	85	68	51	35	20
June 2028	97	79	57	37	21	9
June 2029	95	73	48	27	13	4
June 2030	94	68	40	20	8	2
June 2031	93	62	34	14	5	1
June 2032	92	58	28	10	3	0
June 2033	90	53	23	8	2	0
June 2034	89	49	20	5	1	0
June 2035	87	45	16	4	1	0
June 2036	85	41	13	3	0	0
June 2037	83	37	11	2	0	0
June 2038	81	34	9	1	0	0
June 2039	78	31	7	1	0	0
June 2040	75	28	6	1	0	0
June 2041	72	25	5	1	0	0
June 2042	69	22	4	0	0	0
June 2043	66	20	3	0	0	0
June 2044	62	17	3	0	0	0
June 2045	58	15	2	0	0	0
June 2046	53	13	2	0	0	0
June 2047	49	11	1	0	0	0
June 2048	43	9	1	0	0	0
June 2049	37	7	1	0	0	0
June 2050	31	5	0	0	0	0
June 2051	24	4	0	0	0	0
June 2052	17	2	0	0	0	0
June 2053	9	0	0	0	0	0
June 2054	0	0	0	0	0	0
Weighted Average Life (years)	20.8	11.3	6.3	4.0	2.8	2.1

**Security Group 5  
PSA Prepayment Assumption Rates**

Distribution Date	Class G					Class GB					Class GM				
	0%	100%	201%	350%	500%	0%	100%	201%	350%	500%	0%	100%	201%	350%	500%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
June 2025	98	95	92	88	84	98	94	91	86	81	100	100	100	100	100
June 2026	97	87	78	65	53	96	84	74	59	44	100	100	100	100	100
June 2027	95	77	61	40	21	94	72	53	28	6	100	100	100	100	100
June 2028	93	67	46	19	0	92	61	35	4	0	100	100	100	100	0
June 2029	91	58	33	4	0	89	50	19	0	0	100	100	100	22	0
June 2030	89	50	21	0	0	87	40	6	0	0	100	100	100	0	0
June 2031	87	42	11	0	0	84	30	0	0	0	100	100	68	0	0
June 2032	84	34	2	0	0	81	21	0	0	0	100	100	14	0	0
June 2033	81	27	0	0	0	78	13	0	0	0	100	100	0	0	0
June 2034	79	20	0	0	0	74	5	0	0	0	100	100	0	0	0
June 2035	75	14	0	0	0	71	0	0	0	0	100	87	0	0	0
June 2036	72	8	0	0	0	67	0	0	0	0	100	51	0	0	0
June 2037	69	3	0	0	0	62	0	0	0	0	100	18	0	0	0
June 2038	65	0	0	0	0	58	0	0	0	0	100	0	0	0	0
June 2039	61	0	0	0	0	53	0	0	0	0	100	0	0	0	0
June 2040	56	0	0	0	0	48	0	0	0	0	100	0	0	0	0
June 2041	52	0	0	0	0	42	0	0	0	0	100	0	0	0	0
June 2042	47	0	0	0	0	36	0	0	0	0	100	0	0	0	0
June 2043	41	0	0	0	0	30	0	0	0	0	100	0	0	0	0
June 2044	35	0	0	0	0	23	0	0	0	0	100	0	0	0	0
June 2045	29	0	0	0	0	15	0	0	0	0	100	0	0	0	0
June 2046	22	0	0	0	0	7	0	0	0	0	100	0	0	0	0
June 2047	15	0	0	0	0	0	0	0	0	0	94	0	0	0	0
June 2048	8	0	0	0	0	0	0	0	0	0	47	0	0	0	0
June 2049	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
June 2050	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
June 2051	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
June 2052	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
June 2053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
June 2054	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	15.9	6.3	4.0	2.7	2.1	14.4	5.2	3.3	2.3	1.8	23.9	12.1	7.4	4.7	3.5

**PSA Prepayment Assumption Rates**

Distribution Date	Class GV					Class GZ				
	0%	100%	201%	350%	500%	0%	100%	201%	350%	500%
Initial Percent	100	100	100	100	100	100	100	100	100	100
June 2025	93	93	93	93	93	106	106	106	106	106
June 2026	86	86	86	86	86	112	112	112	112	112
June 2027	78	78	78	78	78	118	118	118	118	118
June 2028	70	70	70	70	63	125	125	125	125	125
June 2029	61	61	61	61	0	132	132	132	132	121
June 2030	52	52	52	14	0	139	139	139	139	83
June 2031	42	42	42	0	0	147	147	147	116	57
June 2032	32	32	32	0	0	155	155	155	90	39
June 2033	21	21	0	0	0	164	164	163	69	27
June 2034	10	10	0	0	0	173	173	139	53	18
June 2035	0	0	0	0	0	181	181	119	41	12
June 2036	0	0	0	0	0	181	181	101	31	8
June 2037	0	0	0	0	0	181	181	86	24	6
June 2038	0	0	0	0	0	181	173	73	18	4
June 2039	0	0	0	0	0	181	156	61	14	3
June 2040	0	0	0	0	0	181	140	52	10	2
June 2041	0	0	0	0	0	181	125	43	8	1
June 2042	0	0	0	0	0	181	111	36	6	1
June 2043	0	0	0	0	0	181	97	29	4	0
June 2044	0	0	0	0	0	181	85	24	3	0
June 2045	0	0	0	0	0	181	73	19	2	0
June 2046	0	0	0	0	0	181	62	15	2	0
June 2047	0	0	0	0	0	181	51	12	1	0
June 2048	0	0	0	0	0	181	41	9	1	0
June 2049	0	0	0	0	0	179	32	7	0	0
June 2050	0	0	0	0	0	148	24	4	0	0
June 2051	0	0	0	0	0	115	15	3	0	0
June 2052	0	0	0	0	0	79	8	1	0	0
June 2053	0	0	0	0	0	41	1	0	0	0
June 2054	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	6.0	6.0	5.7	4.5	3.7	27.6	20.1	14.6	10.0	7.5

**Security Group 6  
PSA Prepayment Assumption Rates**

<u>Distribution Date</u>	<u>Classes KF and KS</u>				
	<u>0%</u>	<u>100%</u>	<u>365%</u>	<u>600%</u>	<u>800%</u>
Initial Percent .....	100	100	100	100	100
June 2025 .....	99	97	93	89	85
June 2026 .....	98	92	78	66	56
June 2027 .....	97	86	60	42	29
June 2028 .....	96	79	47	27	15
June 2029 .....	95	74	36	17	8
June 2030 .....	94	68	28	11	4
June 2031 .....	92	63	21	7	2
June 2032 .....	91	58	16	4	1
June 2033 .....	89	53	12	3	1
June 2034 .....	88	49	9	2	0
June 2035 .....	86	45	7	1	0
June 2036 .....	84	41	5	1	0
June 2037 .....	82	38	4	0	0
June 2038 .....	79	34	3	0	0
June 2039 .....	77	31	2	0	0
June 2040 .....	74	28	2	0	0
June 2041 .....	71	25	1	0	0
June 2042 .....	68	22	1	0	0
June 2043 .....	64	20	1	0	0
June 2044 .....	60	17	1	0	0
June 2045 .....	56	15	0	0	0
June 2046 .....	52	13	0	0	0
June 2047 .....	47	11	0	0	0
June 2048 .....	42	9	0	0	0
June 2049 .....	36	7	0	0	0
June 2050 .....	30	5	0	0	0
June 2051 .....	23	4	0	0	0
June 2052 .....	16	2	0	0	0
June 2053 .....	8	1	0	0	0
June 2054 .....	0	0	0	0	0
Weighted Average Life (years) .....	20.5	11.4	4.8	3.2	2.5

**Security Group 7  
PSA Prepayment Assumption Rates**

<u>Distribution Date</u>	<u>Classes EF and ES</u>				
	<u>0%</u>	<u>100%</u>	<u>365%</u>	<u>600%</u>	<u>800%</u>
Initial Percent .....	100	100	100	100	100
June 2025 .....	99	97	93	89	85
June 2026 .....	98	92	78	66	57
June 2027 .....	97	86	60	42	29
June 2028 .....	96	80	47	27	15
June 2029 .....	95	74	36	17	8
June 2030 .....	94	68	28	11	4
June 2031 .....	92	63	21	7	2
June 2032 .....	91	58	16	4	1
June 2033 .....	89	54	12	3	1
June 2034 .....	88	49	9	2	0
June 2035 .....	86	45	7	1	0
June 2036 .....	84	41	5	1	0
June 2037 .....	82	38	4	0	0
June 2038 .....	79	34	3	0	0
June 2039 .....	77	31	2	0	0
June 2040 .....	74	28	2	0	0
June 2041 .....	71	25	1	0	0
June 2042 .....	68	22	1	0	0
June 2043 .....	64	20	1	0	0
June 2044 .....	60	17	1	0	0
June 2045 .....	56	15	0	0	0
June 2046 .....	52	13	0	0	0
June 2047 .....	47	11	0	0	0
June 2048 .....	42	9	0	0	0
June 2049 .....	36	7	0	0	0
June 2050 .....	30	5	0	0	0
June 2051 .....	23	4	0	0	0
June 2052 .....	16	2	0	0	0
June 2053 .....	8	1	0	0	0
June 2054 .....	0	0	0	0	0
Weighted Average Life (years) .....	20.5	11.4	4.8	3.2	2.5



**Security Group 8  
PSA Prepayment Assumption Rates**

Distribution Date	Classes FH, HF, HS, SH, SI, TH and XF					
	0%	100%	300%	456%	750%	1,000%
Initial Percent	100	100	100	100	100	100
June 2025	99	97	92	88	80	74
June 2026	98	91	77	67	50	37
June 2027	98	84	63	48	27	15
June 2028	97	78	51	35	15	6
June 2029	95	73	41	25	8	2
June 2030	94	67	33	18	4	1
June 2031	93	62	27	13	2	0
June 2032	92	57	21	9	1	0
June 2033	90	53	17	6	1	0
June 2034	89	49	14	5	0	0
June 2035	87	45	11	3	0	0
June 2036	85	41	9	2	0	0
June 2037	83	37	7	2	0	0
June 2038	81	34	6	1	0	0
June 2039	78	31	4	1	0	0
June 2040	75	28	3	1	0	0
June 2041	72	25	3	0	0	0
June 2042	69	22	2	0	0	0
June 2043	66	20	2	0	0	0
June 2044	62	17	1	0	0	0
June 2045	58	15	1	0	0	0
June 2046	53	13	1	0	0	0
June 2047	49	11	1	0	0	0
June 2048	43	9	0	0	0	0
June 2049	37	7	0	0	0	0
June 2050	31	5	0	0	0	0
June 2051	24	3	0	0	0	0
June 2052	17	2	0	0	0	0
June 2053	9	0	0	0	0	0
June 2054	0	0	0	0	0	0
Weighted Average Life (years)	20.8	11.3	5.4	3.8	2.4	1.9

**Security Group 9  
PSA Prepayment Assumption Rates**

Distribution Date	Classes FJ, FP, JT, PF, PS, SJ, SP and TP					Class ZP				
	0%	270%	450%	560%	900%	0%	270%	450%	560%	900%
Initial Percent	100	100	100	100	100	100	100	100	100	100
June 2025	97	88	88	88	88	107	107	84	70	26
June 2026	95	69	69	69	51	115	115	59	27	0
June 2027	92	50	50	50	23	123	123	44	3	0
June 2028	88	33	33	33	11	132	131	42	0	0
June 2029	85	22	22	22	5	142	130	38	0	0
June 2030	81	15	15	15	2	152	121	33	0	0
June 2031	77	10	10	10	1	163	110	27	0	0
June 2032	73	6	6	6	0	175	97	22	0	0
June 2033	68	4	4	4	0	187	85	17	0	0
June 2034	63	3	3	3	0	201	73	13	0	0
June 2035	58	2	2	2	0	215	62	10	0	0
June 2036	52	1	1	1	0	231	53	8	0	0
June 2037	46	1	1	1	0	248	44	6	0	0
June 2038	40	1	1	1	0	266	37	4	0	0
June 2039	33	0	0	0	0	285	31	3	0	0
June 2040	25	0	0	0	0	305	26	2	0	0
June 2041	17	0	0	0	0	328	21	2	0	0
June 2042	8	0	0	0	0	351	18	1	0	0
June 2043	0	0	0	0	0	373	15	1	0	0
June 2044	0	0	0	0	0	365	12	1	0	0
June 2045	0	0	0	0	0	356	10	1	0	0
June 2046	0	0	0	0	0	346	8	0	0	0
June 2047	0	0	0	0	0	336	7	0	0	0
June 2048	0	0	0	0	0	325	5	0	0	0
June 2049	0	0	0	0	0	313	4	0	0	0
June 2050	0	0	0	0	0	300	3	0	0	0
June 2051	0	0	0	0	0	286	3	0	0	0
June 2052	0	0	0	0	0	271	2	0	0	0
June 2053	0	0	0	0	0	255	2	0	0	0
June 2054	0	0	0	0	0	237	1	0	0	0
June 2055	0	0	0	0	0	218	1	0	0	0
June 2056	0	0	0	0	0	198	1	0	0	0
June 2057	0	0	0	0	0	176	1	0	0	0
June 2058	0	0	0	0	0	153	0	0	0	0
June 2059	0	0	0	0	0	128	0	0	0	0
June 2060	0	0	0	0	0	100	0	0	0	0
June 2061	0	0	0	0	0	71	0	0	0	0
June 2062	0	0	0	0	0	41	0	0	0	0
June 2063	0	0	0	0	0	10	0	0	0	0
June 2064	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	11.5	3.6	3.6	3.6	2.3	31.5	12.0	4.7	1.5	0.7

**Security Group 10  
PSA Prepayment Assumption Rates**

Distribution Date	Class AN					Class BI					Class KA				
	0%	100%	122%	250%	400%	0%	100%	122%	250%	400%	0%	100%	122%	250%	400%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
June 2025	94	87	86	77	67	95	89	88	81	72	94	88	86	78	69
June 2026	88	76	73	58	43	90	80	77	65	52	88	77	74	60	46
June 2027	82	65	61	43	25	85	70	67	52	37	82	66	63	46	29
June 2028	75	55	50	30	12	79	62	58	41	26	75	56	52	34	17
June 2029	68	45	41	20	3	73	54	50	32	19	68	47	43	24	9
June 2030	61	36	32	11	0	67	46	42	25	13	61	38	34	16	2
June 2031	53	28	23	4	0	60	39	36	19	9	53	30	26	9	0
June 2032	45	20	16	0	0	54	33	29	15	6	44	23	19	4	0
June 2033	36	13	9	0	0	46	27	23	11	4	36	16	12	0	0
June 2034	27	6	3	0	0	39	21	18	8	3	27	9	6	0	0
June 2035	18	0	0	0	0	31	16	13	5	2	17	3	1	0	0
June 2036	8	0	0	0	0	23	11	9	3	1	7	0	0	0	0
June 2037	0	0	0	0	0	14	6	5	2	0	0	0	0	0	0
June 2038	0	0	0	0	0	5	2	2	0	0	0	0	0	0	0
June 2039	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
June 2040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
June 2041	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	7.1	4.8	4.4	2.9	2.0	8.1	6.1	5.7	4.1	2.9	7.0	5.0	4.7	3.2	2.2

**PSA Prepayment Assumption Rates**

Distribution Date	Class LK					Class LN					Class MA				
	0%	100%	122%	250%	400%	0%	100%	122%	250%	400%	0%	100%	122%	250%	400%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
June 2025	100	100	100	100	100	100	100	100	100	100	94	88	86	78	68
June 2026	100	100	100	100	100	100	100	100	100	100	89	77	74	60	45
June 2027	100	100	100	100	100	100	100	100	100	100	82	66	63	45	28
June 2028	100	100	100	100	100	100	100	100	100	100	76	56	52	33	16
June 2029	100	100	100	100	100	100	100	100	100	100	69	47	43	23	7
June 2030	100	100	100	100	100	100	100	100	100	81	62	38	34	14	2
June 2031	100	100	100	100	81	100	100	100	100	56	55	30	26	8	0
June 2032	100	100	100	100	54	100	100	100	92	38	47	23	19	3	0
June 2033	100	100	100	95	35	100	100	100	68	25	39	16	12	0	0
June 2034	100	100	100	65	21	100	100	100	48	16	30	9	6	0	0
June 2035	100	100	100	42	12	100	99	85	33	10	21	3	2	0	0
June 2036	100	77	65	23	6	100	68	57	20	5	11	1	0	0	0
June 2037	71	32	27	9	2	88	39	33	11	2	3	0	0	0	0
June 2038	0	0	0	0	0	30	13	10	3	1	0	0	0	0	0
June 2039	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
June 2040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
June 2041	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	13.2	12.6	12.4	10.8	8.6	13.7	12.7	12.4	10.3	7.9	7.3	5.1	4.7	3.1	2.1

**Security Group 10  
PSA Prepayment Assumption Rates**

Distribution Date	Class ML					Class NA					Class NL				
	0%	100%	122%	250%	400%	0%	100%	122%	250%	400%	0%	100%	122%	250%	400%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
June 2025	100	100	100	100	100	95	88	87	79	69	100	100	100	100	100
June 2026	100	100	100	100	100	89	77	75	61	47	100	100	100	100	100
June 2027	100	100	100	100	100	83	67	64	47	30	100	100	100	100	100
June 2028	100	100	100	100	100	77	58	54	35	18	100	100	100	100	100
June 2029	100	100	100	100	100	70	49	45	25	9	100	100	100	100	100
June 2030	100	100	100	100	90	64	40	36	17	3	100	100	100	100	100
June 2031	100	100	100	100	69	56	33	28	10	0	100	100	100	100	86
June 2032	100	100	100	96	47	49	25	21	5	0	100	100	100	100	58
June 2033	100	100	100	82	31	41	19	15	1	0	100	100	100	100	38
June 2034	100	100	100	60	20	33	12	9	0	0	100	100	100	75	25
June 2035	100	99	91	41	12	24	6	4	0	0	100	100	100	52	15
June 2036	100	81	71	25	7	15	1	0	0	0	100	100	92	33	9
June 2037	92	49	41	13	3	5	0	0	0	0	100	65	54	18	4
June 2038	42	18	14	4	1	0	0	0	0	0	64	27	22	7	1
June 2039	7	3	2	1	0	0	0	0	0	0	19	7	6	2	0
June 2040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
June 2041	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	13.9	13.0	12.7	10.7	8.3	7.5	5.3	4.9	3.3	2.2	14.4	13.5	13.3	11.4	8.9

**Security Group 11  
PSA Prepayment Assumption Rates**

Distribution Date	Classes FK, FT and FW					Class Q					Classes QF, QS, QT, SK, SQ and TQ					Class QV					
	0%	100%	238%	350%	500%	0%	100%	238%	350%	500%	0%	100%	238%	350%	500%	0%	100%	238%	350%	500%	
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
June 2025	99	97	94	92	90	99	96	93	90	86	99	97	94	92	89	93	93	93	93	93	93
June 2026	98	92	84	78	70	98	89	79	71	61	98	92	84	77	69	86	86	86	86	86	86
June 2027	97	85	71	61	48	96	81	63	49	34	97	85	71	60	48	78	78	78	78	78	78
June 2028	96	79	60	47	33	95	73	49	32	15	96	79	60	47	33	70	70	70	70	70	70
June 2029	95	73	51	37	23	93	65	37	19	1	95	73	51	37	23	61	61	61	61	61	61
June 2030	93	67	43	29	16	91	58	27	9	0	93	67	43	28	16	52	52	52	52	52	0
June 2031	92	62	36	22	11	90	52	18	0	0	92	62	36	22	11	43	43	43	43	0	0
June 2032	90	57	30	17	7	88	45	11	0	0	90	57	30	17	7	32	32	32	32	0	0
June 2033	89	53	25	13	5	85	40	4	0	0	89	53	25	13	5	22	22	22	22	0	0
June 2034	87	48	21	10	3	83	34	0	0	0	87	48	21	10	3	10	10	4	0	0	0
June 2035	85	44	18	8	2	81	29	0	0	0	85	44	18	8	2	0	0	0	0	0	0
June 2036	83	41	15	6	2	78	24	0	0	0	83	40	15	6	2	0	0	0	0	0	0
June 2037	80	37	12	5	1	75	19	0	0	0	80	37	12	5	1	0	0	0	0	0	0
June 2038	78	33	10	4	1	72	15	0	0	0	78	33	10	4	1	0	0	0	0	0	0
June 2039	75	30	8	3	0	69	11	0	0	0	75	30	8	3	0	0	0	0	0	0	0
June 2040	73	27	7	2	0	65	7	0	0	0	73	27	7	2	0	0	0	0	0	0	0
June 2041	70	24	6	2	0	61	3	0	0	0	70	24	6	2	0	0	0	0	0	0	0
June 2042	66	22	5	1	0	57	0	0	0	0	66	22	5	1	0	0	0	0	0	0	0
June 2043	63	19	4	1	0	52	0	0	0	0	63	19	4	1	0	0	0	0	0	0	0
June 2044	59	17	3	1	0	47	0	0	0	0	59	17	3	1	0	0	0	0	0	0	0
June 2045	55	15	2	0	0	42	0	0	0	0	55	15	2	0	0	0	0	0	0	0	0
June 2046	50	13	2	0	0	37	0	0	0	0	50	12	2	0	0	0	0	0	0	0	0
June 2047	46	11	1	0	0	30	0	0	0	0	46	11	1	0	0	0	0	0	0	0	0
June 2048	40	9	1	0	0	24	0	0	0	0	40	9	1	0	0	0	0	0	0	0	0
June 2049	35	7	1	0	0	17	0	0	0	0	35	7	1	0	0	0	0	0	0	0	0
June 2050	29	5	1	0	0	9	0	0	0	0	29	5	1	0	0	0	0	0	0	0	0
June 2051	22	4	0	0	0	1	0	0	0	0	22	4	0	0	0	0	0	0	0	0	0
June 2052	16	2	0	0	0	0	0	0	0	0	16	2	0	0	0	0	0	0	0	0	0
June 2053	8	1	0	0	0	0	0	0	0	0	8	1	0	0	0	0	0	0	0	0	0
June 2054	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)	20.2	11.3	6.6	4.9	3.7	17.9	7.9	4.3	3.2	2.5	20.2	11.3	6.6	4.9	3.6	6.0	6.0	5.9	5.3	4.4	

**Security Group 11  
PSA Prepayment Assumption Rates**

Distribution Date	Class QZ					Classes SW, TW, WF, WS, WT and XS					Class T					Class VT				
	0%	100%	238%	350%	500%	0%	100%	238%	350%	500%	0%	100%	238%	350%	500%	0%	100%	238%	350%	500%
	Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
June 2025	106	106	106	106	106	99	97	95	93	90	99	96	93	90	87	93	93	93	93	93
June 2026	112	112	112	112	112	98	92	85	79	71	98	89	79	71	61	86	86	86	86	86
June 2027	118	118	118	118	118	97	85	72	62	49	96	81	63	50	34	78	78	78	78	78
June 2028	125	125	125	125	125	96	79	61	48	34	95	73	49	33	15	70	70	70	70	70
June 2029	132	132	132	132	132	95	73	51	37	23	93	65	37	19	1	61	61	61	61	61
June 2030	139	139	139	139	131	93	68	43	29	16	91	58	27	9	0	52	52	52	52	0
June 2031	147	147	147	147	90	92	63	36	22	11	90	52	18	0	0	43	43	43	43	0
June 2032	155	155	155	143	62	90	58	30	17	8	88	45	11	0	0	32	32	32	0	0
June 2033	164	164	164	110	42	89	53	26	13	5	85	40	4	0	0	22	22	22	0	0
June 2034	173	173	173	85	29	87	49	21	10	4	83	34	0	0	0	10	10	4	0	0
June 2035	182	182	147	65	20	85	45	18	8	2	81	29	0	0	0	0	0	0	0	0
June 2036	182	182	123	50	13	83	41	15	6	2	78	24	0	0	0	0	0	0	0	0
June 2037	182	182	102	38	9	80	37	12	5	1	75	19	0	0	0	0	0	0	0	0
June 2038	182	182	84	29	6	78	34	10	4	1	72	15	0	0	0	0	0	0	0	0
June 2039	182	182	70	22	4	75	30	8	3	1	69	11	0	0	0	0	0	0	0	0
June 2040	182	182	57	17	3	73	27	7	2	0	65	7	0	0	0	0	0	0	0	0
June 2041	182	182	47	13	2	70	25	6	2	0	61	3	0	0	0	0	0	0	0	0
June 2042	182	181	38	10	1	66	22	5	1	0	57	0	0	0	0	0	0	0	0	0
June 2043	182	160	31	7	1	63	19	4	1	0	52	0	0	0	0	0	0	0	0	0
June 2044	182	141	24	5	1	59	17	3	1	0	47	0	0	0	0	0	0	0	0	0
June 2045	182	122	19	4	0	55	15	2	0	0	42	0	0	0	0	0	0	0	0	0
June 2046	182	104	15	3	0	50	13	2	0	0	37	0	0	0	0	0	0	0	0	0
June 2047	182	88	12	2	0	46	11	1	0	0	30	0	0	0	0	0	0	0	0	0
June 2048	182	72	9	1	0	40	9	1	0	0	24	0	0	0	0	0	0	0	0	0
June 2049	182	57	6	1	0	35	7	1	0	0	17	0	0	0	0	0	0	0	0	0
June 2050	182	44	4	1	0	29	5	1	0	0	9	0	0	0	0	0	0	0	0	0
June 2051	182	30	3	0	0	22	4	0	0	0	1	0	0	0	0	0	0	0	0	0
June 2052	130	18	2	0	0	16	2	0	0	0	0	0	0	0	0	0	0	0	0	0
June 2053	67	6	0	0	0	8	1	0	0	0	0	0	0	0	0	0	0	0	0	0
June 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	15.1	11.5	8.5	20.2	11.3	6.7	5.0	3.7	17.9	7.9	4.3	3.2	2.5	6.0	6.0	5.9	5.3	4.4

**PSA Prepayment Assumption Rates**

Distribution Date	Class W					Class WV					Class WZ					Class ZT				
	0%	100%	238%	350%	500%	0%	100%	238%	350%	500%	0%	100%	238%	350%	500%	0%	100%	238%	350%	500%
	Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
June 2025	99	96	93	91	88	93	93	93	93	93	106	106	106	106	106	106	106	106	106	106
June 2026	98	90	80	73	63	86	86	86	86	86	112	112	112	112	112	112	112	112	112	112
June 2027	96	81	64	51	35	78	78	78	78	78	118	118	118	118	118	118	118	118	118	118
June 2028	95	73	49	33	15	70	70	70	70	70	125	125	125	125	125	125	125	125	125	125
June 2029	93	66	37	19	2	61	61	61	61	61	132	132	132	132	132	132	132	132	132	132
June 2030	91	59	27	9	0	52	52	52	52	0	139	139	139	139	133	139	139	139	139	131
June 2031	90	52	18	0	0	43	43	43	43	0	147	147	147	147	91	147	147	147	147	90
June 2032	88	46	11	0	0	32	32	32	0	0	155	155	155	143	63	155	155	155	143	62
June 2033	85	40	4	0	0	22	22	22	0	0	164	164	164	110	43	164	164	164	110	42
June 2034	83	34	0	0	0	10	10	3	0	0	173	173	173	85	29	173	173	173	85	29
June 2035	81	29	0	0	0	0	0	0	0	0	182	182	147	66	20	182	182	147	65	20
June 2036	78	24	0	0	0	0	0	0	0	0	182	182	122	50	14	182	182	123	50	13
June 2037	75	19	0	0	0	0	0	0	0	0	182	182	102	39	9	182	182	102	38	9
June 2038	72	15	0	0	0	0	0	0	0	0	182	182	84	29	6	182	182	84	29	6
June 2039	68	11	0	0	0	0	0	0	0	0	182	182	69	22	4	182	182	70	22	4
June 2040	65	7	0	0	0	0	0	0	0	0	182	182	57	17	3	182	182	57	17	3
June 2041	61	3	0	0	0	0	0	0	0	0	182	182	47	13	2	182	182	47	13	2
June 2042	57	0	0	0	0	0	0	0	0	0	182	180	38	10	1	182	181	38	10	1
June 2043	52	0	0	0	0	0	0	0	0	0	182	159	31	7	1	182	160	31	7	1
June 2044	47	0	0	0	0	0	0	0	0	0	182	140	24	5	1	182	140	24	5	1
June 2045	42	0	0	0	0	0	0	0	0	0	182	121	19	4	0	182	122	19	4	0
June 2046	36	0	0	0	0	0	0	0	0	0	182	104	15	3	0	182	104	15	3	0
June 2047	30	0	0	0	0	0	0	0	0	0	182	88	12	2	0	182	88	12	2	0
June 2048	24	0	0	0	0	0	0	0	0	0	182	72	9	1	0	182	72	9	1	0
June 2049	16	0	0	0	0	0	0	0	0	0	182	58	6	1	0	182	58	6	1	0
June 2050	9	0	0	0	0	0	0	0	0	0	182	44	4	1	0	182	44	4	1	0
June 2051	0	0	0	0	0	0	0	0	0	0	182	32	3	0	0	182	31	3	0	0
June 2052	0	0	0	0	0	0	0	0	0	0	128	20	2	0	0	129	18	2	0	0
June 2053	0	0	0	0	0	0	0	0	0	0	66	8	1	0	0	67	7	1	0	0
June 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)	17.8	8.0	4.4	3.3	2.5	6.0	6.0	5.9	5.3	4.4	28.6	23.2	15.1	11.5	8.6	28.6	23.2	15.1	11.5	8.5

**Security Group 12  
PSA Prepayment Assumption Rates**

Distribution Date	Classes AF, AS, AT, BF, BS, CF, CS, TA and TI				
	0%	100%	367%	600%	800%
Initial Percent	100	100	100	100	100
June 2025	99	98	94	91	89
June 2026	98	93	80	70	61
June 2027	97	87	63	45	33
June 2028	96	80	48	29	17
June 2029	95	74	37	18	9
June 2030	94	69	28	11	4
June 2031	92	64	22	7	2
June 2032	91	59	17	4	1
June 2033	89	54	13	3	1
June 2034	88	50	10	2	0
June 2035	86	46	7	1	0
June 2036	84	42	6	1	0
June 2037	82	38	4	0	0
June 2038	79	35	3	0	0
June 2039	77	31	2	0	0
June 2040	74	28	2	0	0
June 2041	71	26	1	0	0
June 2042	68	23	1	0	0
June 2043	64	20	1	0	0
June 2044	60	18	1	0	0
June 2045	56	16	0	0	0
June 2046	52	13	0	0	0
June 2047	47	11	0	0	0
June 2048	42	9	0	0	0
June 2049	36	8	0	0	0
June 2050	30	6	0	0	0
June 2051	23	4	0	0	0
June 2052	16	3	0	0	0
June 2053	8	1	0	0	0
June 2054	0	0	0	0	0
Weighted Average Life (years)	20.5	11.6	4.9	3.4	2.7

**Security Group 13  
PSA Prepayment Assumption Rates**

Distribution Date	Classes BT, DF, DS, DT, FG, GF, GS, SG and TB				
	0%	100%	367%	600%	800%
Initial Percent	100	100	100	100	100
June 2025	99	98	94	91	89
June 2026	98	93	80	70	61
June 2027	97	87	63	45	33
June 2028	96	80	48	29	17
June 2029	95	74	37	18	9
June 2030	94	69	28	11	4
June 2031	92	64	22	7	2
June 2032	91	59	17	4	1
June 2033	89	54	13	3	1
June 2034	88	50	10	2	0
June 2035	86	46	7	1	0
June 2036	84	42	6	1	0
June 2037	82	38	4	0	0
June 2038	79	35	3	0	0
June 2039	77	31	2	0	0
June 2040	74	28	2	0	0
June 2041	71	26	1	0	0
June 2042	68	23	1	0	0
June 2043	64	20	1	0	0
June 2044	60	18	1	0	0
June 2045	56	16	0	0	0
June 2046	52	13	0	0	0
June 2047	47	11	0	0	0
June 2048	42	9	0	0	0
June 2049	36	8	0	0	0
June 2050	30	6	0	0	0
June 2051	23	4	0	0	0
June 2052	16	3	0	0	0
June 2053	8	1	0	0	0
June 2054	0	0	0	0	0
Weighted Average Life (years)	20.5	11.6	4.9	3.4	2.7

**Security Group 14  
PSA Prepayment Assumption Rates**

**Classes CI, FI, II, JI, JS, LF, LS, SL and TJ**

<u>Distribution Date</u>	<u>0%</u>	<u>100%</u>	<u>367%</u>	<u>600%</u>	<u>800%</u>
Initial Percent .....	100	100	100	100	100
June 2025 .....	99	98	94	91	89
June 2026 .....	98	93	80	70	61
June 2027 .....	97	87	63	45	33
June 2028 .....	96	80	48	29	17
June 2029 .....	95	74	37	18	9
June 2030 .....	94	69	28	11	4
June 2031 .....	92	64	22	7	2
June 2032 .....	91	59	17	4	1
June 2033 .....	89	54	13	3	1
June 2034 .....	88	50	10	2	0
June 2035 .....	86	46	7	1	0
June 2036 .....	84	42	6	1	0
June 2037 .....	82	38	4	0	0
June 2038 .....	79	35	3	0	0
June 2039 .....	77	31	2	0	0
June 2040 .....	74	28	2	0	0
June 2041 .....	71	26	1	0	0
June 2042 .....	68	23	1	0	0
June 2043 .....	64	20	1	0	0
June 2044 .....	60	18	1	0	0
June 2045 .....	56	16	0	0	0
June 2046 .....	52	13	0	0	0
June 2047 .....	47	11	0	0	0
June 2048 .....	42	9	0	0	0
June 2049 .....	36	8	0	0	0
June 2050 .....	30	6	0	0	0
June 2051 .....	23	4	0	0	0
June 2052 .....	16	3	0	0	0
June 2053 .....	8	1	0	0	0
June 2054 .....	0	0	0	0	0
Weighted Average Life (years) .....	20.5	11.6	4.9	3.4	2.7

**Security Group 15  
PSA Prepayment Assumption Rates**

**Classes FM, FX, MT, SM, SX, TF, TS, TX and XT**

<u>Distribution Date</u>	<u>0%</u>	<u>100%</u>	<u>367%</u>	<u>600%</u>	<u>800%</u>
Initial Percent .....	100	100	100	100	100
June 2025 .....	99	98	94	91	89
June 2026 .....	98	93	80	70	61
June 2027 .....	97	87	63	45	33
June 2028 .....	96	80	48	29	17
June 2029 .....	95	74	37	18	9
June 2030 .....	94	69	28	11	4
June 2031 .....	92	64	22	7	2
June 2032 .....	91	59	17	4	1
June 2033 .....	89	54	13	3	1
June 2034 .....	88	50	10	2	0
June 2035 .....	86	46	7	1	0
June 2036 .....	84	42	6	1	0
June 2037 .....	82	38	4	0	0
June 2038 .....	79	35	3	0	0
June 2039 .....	77	31	2	0	0
June 2040 .....	74	28	2	0	0
June 2041 .....	71	26	1	0	0
June 2042 .....	68	23	1	0	0
June 2043 .....	64	20	1	0	0
June 2044 .....	60	18	1	0	0
June 2045 .....	56	16	0	0	0
June 2046 .....	52	13	0	0	0
June 2047 .....	47	11	0	0	0
June 2048 .....	42	9	0	0	0
June 2049 .....	36	8	0	0	0
June 2050 .....	30	6	0	0	0
June 2051 .....	23	4	0	0	0
June 2052 .....	16	3	0	0	0
June 2053 .....	8	1	0	0	0
June 2054 .....	0	0	0	0	0
Weighted Average Life (years) .....	20.5	11.6	4.9	3.4	2.7



**Security Groups 12, 13, 14 and 15  
PSA Prepayment Assumption Rates**

Distribution Date	Classes FQ, IS, SF, SU, SV and VF				
	0%	100%	367%	600%	800%
Initial Percent	100	100	100	100	100
June 2025	99	98	94	91	89
June 2026	98	93	80	70	61
June 2027	97	87	63	45	33
June 2028	96	80	48	29	17
June 2029	95	74	37	18	9
June 2030	94	69	28	11	4
June 2031	92	64	22	7	2
June 2032	91	59	17	4	1
June 2033	89	54	13	3	1
June 2034	88	50	10	2	0
June 2035	86	46	7	1	0
June 2036	84	42	6	1	0
June 2037	82	38	4	0	0
June 2038	79	35	3	0	0
June 2039	77	31	2	0	0
June 2040	74	28	2	0	0
June 2041	71	26	1	0	0
June 2042	68	23	1	0	0
June 2043	64	20	1	0	0
June 2044	60	18	1	0	0
June 2045	56	16	0	0	0
June 2046	52	13	0	0	0
June 2047	47	11	0	0	0
June 2048	42	9	0	0	0
June 2049	36	8	0	0	0
June 2050	30	6	0	0	0
June 2051	23	4	0	0	0
June 2052	16	3	0	0	0
June 2053	8	1	0	0	0
June 2054	0	0	0	0	0
Weighted Average Life (years)	20.5	11.6	4.9	3.4	2.7

**Security Group 16  
PSA Prepayment Assumption Rates**

Distribution Date	Classes AM, BM, CM, DM, EM, FY, HM, IM, JM, ME, MF, MS, SY and TM					Class MZ					Class ZM				
	0%	125%	200%	340%	400%	0%	125%	200%	340%	400%	0%	125%	200%	340%	400%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
June 2025	97	94	94	94	94	107	107	98	81	73	107	107	107	107	107
June 2026	94	84	84	84	84	114	114	86	36	15	114	114	114	114	114
June 2027	91	73	73	73	73	121	121	73	0	0	121	121	121	96	19
June 2028	88	61	61	61	56	130	130	64	0	0	130	130	130	34	0
June 2029	85	50	50	50	42	138	138	60	0	0	138	138	138	5	0
June 2030	81	40	40	40	32	148	147	59	0	0	148	148	148	0	0
June 2031	77	32	32	32	24	157	150	55	0	0	157	157	157	0	0
June 2032	73	25	25	25	18	168	146	48	0	0	168	168	168	0	0
June 2033	68	20	20	20	14	179	138	37	0	0	179	179	179	0	0
June 2034	63	16	16	16	10	191	127	25	0	0	191	191	191	0	0
June 2035	58	12	12	12	8	204	113	12	0	0	204	204	204	0	0
June 2036	53	10	10	10	6	218	98	0	0	0	218	218	214	0	0
June 2037	47	8	8	8	4	232	81	0	0	0	232	232	195	0	0
June 2038	40	6	6	6	3	248	63	0	0	0	248	248	176	0	0
June 2039	34	5	5	5	2	264	45	0	0	0	264	264	158	0	0
June 2040	27	4	4	4	2	282	26	0	0	0	282	282	141	0	0
June 2041	19	3	3	3	1	301	7	0	0	0	301	301	125	0	0
June 2042	11	2	2	2	1	321	0	0	0	0	321	292	111	0	0
June 2043	2	2	2	2	1	343	0	0	0	0	343	268	98	0	0
June 2044	1	1	1	1	1	324	0	0	0	0	366	245	86	0	0
June 2045	1	1	1	1	0	303	0	0	0	0	390	223	75	0	0
June 2046	1	1	1	1	0	280	0	0	0	0	416	202	65	0	0
June 2047	1	1	1	1	0	256	0	0	0	0	444	182	56	0	0
June 2048	0	0	0	0	0	229	0	0	0	0	474	164	48	0	0
June 2049	0	0	0	0	0	200	0	0	0	0	506	147	41	0	0
June 2050	0	0	0	0	0	169	0	0	0	0	539	131	35	0	0
June 2051	0	0	0	0	0	136	0	0	0	0	576	116	30	0	0
June 2052	0	0	0	0	0	100	0	0	0	0	614	102	25	0	0
June 2053	0	0	0	0	0	62	0	0	0	0	655	89	21	0	0
June 2054	0	0	0	0	0	21	0	0	0	0	699	77	17	0	0
June 2055	0	0	0	0	0	0	0	0	0	0	691	66	14	0	0
June 2056	0	0	0	0	0	0	0	0	0	0	630	56	11	0	0
June 2057	0	0	0	0	0	0	0	0	0	0	565	46	9	0	0
June 2058	0	0	0	0	0	0	0	0	0	0	494	37	7	0	0
June 2059	0	0	0	0	0	0	0	0	0	0	419	29	5	0	0
June 2060	0	0	0	0	0	0	0	0	0	0	338	22	4	0	0
June 2061	0	0	0	0	0	0	0	0	0	0	251	15	2	0	0
June 2062	0	0	0	0	0	0	0	0	0	0	158	9	1	0	0
June 2063	0	0	0	0	0	0	0	0	0	0	62	3	0	0	0
June 2064	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	11.7	6.0	6.0	6.0	5.3	25.6	13.2	6.7	1.7	1.4	35.5	25.7	19.7	3.7	2.7

**Security Group 17  
PSA Prepayment Assumption Rates**

Distribution Date	Class AB					Class AC					Class AD					Class AE				
	0%	50%	97%	250%	400%	0%	50%	97%	250%	400%	0%	50%	97%	250%	400%	0%	50%	97%	250%	400%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
June 2025	97	92	88	77	65	97	93	90	79	68	98	94	91	81	71	98	94	91	82	73
June 2026	93	84	77	56	38	94	86	80	61	44	95	87	82	64	48	96	88	83	66	52
June 2027	90	77	67	40	18	92	79	71	46	26	93	81	73	50	32	94	83	75	53	36
June 2028	86	69	57	25	2	88	73	62	33	12	90	76	65	38	19	91	77	68	42	24
June 2029	83	62	48	13	0	85	66	54	22	2	87	70	58	29	10	89	72	61	33	15
June 2030	79	55	39	3	0	82	60	46	13	0	84	64	51	20	3	86	67	55	26	9
June 2031	75	48	31	0	0	79	54	39	5	0	81	59	45	13	0	84	62	49	19	4
June 2032	70	41	24	0	0	75	48	32	0	0	78	54	39	8	0	81	57	43	14	0
June 2033	66	34	16	0	0	71	43	26	0	0	75	48	33	3	0	78	53	38	10	0
June 2034	62	28	9	0	0	68	37	20	0	0	72	43	28	0	0	75	48	33	6	0
June 2035	57	22	3	0	0	64	31	14	0	0	68	38	23	0	0	72	44	29	3	0
June 2036	52	15	0	0	0	60	26	9	0	0	65	34	18	0	0	69	39	25	0	0
June 2037	47	9	0	0	0	55	21	4	0	0	61	29	14	0	0	66	35	21	0	0
June 2038	42	3	0	0	0	51	16	0	0	0	57	25	10	0	0	62	31	17	0	0
June 2039	37	0	0	0	0	46	11	0	0	0	53	20	6	0	0	59	27	14	0	0
June 2040	31	0	0	0	0	42	6	0	0	0	49	16	2	0	0	55	23	10	0	0
June 2041	25	0	0	0	0	37	1	0	0	0	45	12	0	0	0	51	20	7	0	0
June 2042	19	0	0	0	0	31	0	0	0	0	40	8	0	0	0	47	16	5	0	0
June 2043	13	0	0	0	0	26	0	0	0	0	36	4	0	0	0	43	12	2	0	0
June 2044	7	0	0	0	0	21	0	0	0	0	31	0	0	0	0	38	9	0	0	0
June 2045	0	0	0	0	0	15	0	0	0	0	26	0	0	0	0	34	6	0	0	0
June 2046	0	0	0	0	0	9	0	0	0	0	21	0	0	0	0	29	2	0	0	0
June 2047	0	0	0	0	0	3	0	0	0	0	15	0	0	0	0	24	0	0	0	0
June 2048	0	0	0	0	0	0	0	0	0	0	9	0	0	0	0	19	0	0	0	0
June 2049	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	14	0	0	0	0
June 2050	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0
June 2051	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0
June 2052	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
June 2053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
June 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)	11.8	6.9	5.1	2.6	1.7	13.4	8.0	6.0	3.1	2.0	14.9	9.1	6.9	3.6	2.3	16.2	10.2	7.8	4.1	2.6

**PSA Prepayment Assumption Rates**

Distribution Date	Class AZ					Class EZ					Class JZ					Class KZ				
	0%	50%	97%	250%	400%	0%	50%	97%	250%	400%	0%	50%	97%	250%	400%	0%	50%	97%	250%	400%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
June 2025	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103
June 2026	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105
June 2027	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108
June 2028	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111
June 2029	113	113	113	113	20	113	113	113	113	113	113	113	113	113	113	113	113	113	113	113
June 2030	116	116	116	116	0	116	116	116	116	36	116	116	116	116	116	116	116	116	116	116
June 2031	119	119	119	60	0	119	119	119	119	0	119	119	119	119	72	119	119	119	119	119
June 2032	122	122	122	0	0	122	122	122	108	0	122	122	122	122	7	122	122	122	122	122
June 2033	125	125	125	0	0	125	125	125	38	0	125	125	125	125	0	125	125	125	125	93
June 2034	128	128	128	0	0	128	128	128	0	0	128	128	128	104	0	128	128	128	128	68
June 2035	132	132	132	0	0	132	132	132	0	0	132	132	132	49	0	132	132	132	132	49
June 2036	135	135	103	0	0	135	135	135	0	0	135	135	135	2	0	135	135	135	135	36
June 2037	138	138	47	0	0	138	138	138	0	0	138	138	138	0	0	138	138	138	110	26
June 2038	142	142	0	0	0	142	142	136	0	0	142	142	142	0	0	142	142	142	88	19
June 2039	145	119	0	0	0	145	145	81	0	0	145	145	145	0	0	145	145	145	71	13
June 2040	149	64	0	0	0	149	149	30	0	0	149	149	149	0	0	149	149	149	56	9
June 2041	153	10	0	0	0	153	153	0	0	0	153	153	131	0	0	153	153	153	44	7
June 2042	157	0	0	0	0	157	107	0	0	0	157	157	81	0	0	157	157	157	35	5
June 2043	161	0	0	0	0	161	50	0	0	0	161	161	35	0	0	161	161	161	27	3
June 2044	165	0	0	0	0	165	0	0	0	0	165	158	0	0	0	165	165	158	20	2
June 2045	167	0	0	0	0	169	0	0	0	0	169	99	0	0	0	169	169	131	15	1
June 2046	100	0	0	0	0	173	0	0	0	0	173	40	0	0	0	173	173	107	11	1
June 2047	31	0	0	0	0	178	0	0	0	0	178	0	0	0	0	178	165	84	8	1
June 2048	0	0	0	0	0	134	0	0	0	0	182	0	0	0	0	182	128	63	5	0
June 2049	0	0	0	0	0	51	0	0	0	0	187	0	0	0	0	187	91	44	3	0
June 2050	0	0	0	0	0	0	0	0	0	0	150	0	0	0	0	191	56	26	2	0
June 2051	0	0	0	0	0	0	0	0	0	0	49	0	0	0	0	196	22	10	1	0
June 2052	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	159	0	0	0	0
June 2053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	81	0	0	0	0
June 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)	22.2	15.9	12.7	7.1	4.7	24.6	18.6	15.2	8.7	5.8	26.6	21.3	18.2	10.8	7.2	28.8	25.1	23.3	16.2	11.2

**Security Group 17  
PSA Prepayment Assumption Rates**

Distribution Date	Class ZE					Class ZJ					Class ZK				
	0%	50%	97%	250%	400%	0%	50%	97%	250%	400%	0%	50%	97%	250%	400%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
June 2025	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103
June 2026	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105
June 2027	108	108	108	108	108	108	108	108	108	108	108	108	108	108	108
June 2028	111	111	111	111	111	111	111	111	111	111	111	111	111	111	111
June 2029	113	113	113	113	113	113	113	113	113	113	113	113	113	113	87
June 2030	116	116	116	116	89	116	116	116	116	116	116	116	116	116	64
June 2031	119	119	119	119	65	119	119	119	119	99	119	119	119	102	47
June 2032	122	122	122	117	48	122	122	122	122	72	122	122	122	84	34
June 2033	125	125	125	96	35	125	125	125	125	53	125	125	125	69	25
June 2034	128	128	128	78	26	128	128	128	118	39	128	128	128	56	18
June 2035	132	132	132	64	19	132	132	132	96	28	132	132	132	46	13
June 2036	135	135	135	51	13	135	135	135	78	20	135	135	126	37	10
June 2037	138	138	138	42	10	138	138	138	63	15	138	138	113	30	7
June 2038	142	142	140	33	7	142	142	142	50	11	142	142	100	24	5
June 2039	145	145	124	27	5	145	145	145	40	8	145	138	89	19	4
June 2040	149	149	109	21	4	149	149	149	32	5	149	125	78	15	3
June 2041	153	153	95	17	2	153	153	143	25	4	153	112	68	12	2
June 2042	157	140	82	13	2	157	157	124	20	3	157	100	59	9	1
June 2043	161	123	70	10	1	161	161	106	15	2	161	88	50	7	1
June 2044	165	107	60	8	1	165	162	90	12	1	165	77	43	5	1
June 2045	169	92	49	6	1	169	139	75	9	1	168	66	35	4	0
June 2046	173	77	40	4	0	173	116	61	6	1	153	55	29	3	0
June 2047	178	62	32	3	0	178	94	48	5	0	136	45	23	2	0
June 2048	166	48	24	2	0	182	73	36	3	0	119	34	17	1	0
June 2049	141	34	16	1	0	187	52	25	2	0	101	25	12	1	0
June 2050	115	21	10	1	0	174	32	15	1	0	82	15	7	0	0
June 2051	88	8	4	0	0	133	13	6	0	0	63	6	3	0	0
June 2052	60	0	0	0	0	90	0	0	0	0	43	0	0	0	0
June 2053	30	0	0	0	0	46	0	0	0	0	22	0	0	0	0
June 2054	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	26.9	22.2	19.6	12.4	8.4	27.9	23.7	21.3	14.0	9.6	25.8	20.7	17.9	11.0	7.4

**Security Group 18  
PSA Prepayment Assumption Rates**

Distribution Date	Class NB					Class NC					Class ND					Class NE					
	0%	100%	102%	250%	400%	0%	100%	102%	250%	400%	0%	100%	102%	250%	400%	0%	100%	102%	250%	400%	
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
June 2025	97	88	88	76	64	97	89	89	78	67	98	90	90	80	70	98	91	91	81	72	
June 2026	93	76	76	55	36	94	79	79	60	43	95	81	81	63	47	96	82	82	66	50	
June 2027	90	65	65	38	16	91	69	69	44	24	93	72	72	49	30	94	74	74	52	34	
June 2028	86	55	55	23	0	88	60	60	31	10	90	64	64	37	17	91	67	66	41	22	
June 2029	82	46	45	10	0	85	52	51	20	0	87	56	56	27	7	89	60	59	32	13	
June 2030	78	36	36	0	0	81	44	43	10	0	84	49	49	18	0	86	53	53	24	7	
June 2031	73	28	27	0	0	78	36	36	2	0	81	42	42	11	0	84	47	47	17	1	
June 2032	69	20	19	0	0	74	29	29	0	0	78	36	36	5	0	81	41	41	12	0	
June 2033	64	12	11	0	0	70	22	22	0	0	75	30	30	0	0	78	36	35	7	0	
June 2034	60	5	4	0	0	66	16	15	0	0	71	25	24	0	0	75	31	30	3	0	
June 2035	55	0	0	0	0	62	10	10	0	0	68	19	19	0	0	72	26	26	0	0	
June 2036	49	0	0	0	0	58	4	4	0	0	64	14	14	0	0	68	22	21	0	0	
June 2037	44	0	0	0	0	53	0	0	0	0	60	10	9	0	0	65	17	17	0	0	
June 2038	38	0	0	0	0	49	0	0	0	0	56	5	5	0	0	61	14	13	0	0	
June 2039	33	0	0	0	0	44	0	0	0	0	52	1	0	0	0	58	10	9	0	0	
June 2040	26	0	0	0	0	38	0	0	0	0	47	0	0	0	0	54	6	6	0	0	
June 2041	20	0	0	0	0	33	0	0	0	0	42	0	0	0	0	50	3	3	0	0	
June 2042	13	0	0	0	0	27	0	0	0	0	38	0	0	0	0	45	0	0	0	0	
June 2043	6	0	0	0	0	22	0	0	0	0	33	0	0	0	0	41	0	0	0	0	
June 2044	0	0	0	0	0	16	0	0	0	0	27	0	0	0	0	36	0	0	0	0	
June 2045	0	0	0	0	0	9	0	0	0	0	22	0	0	0	0	31	0	0	0	0	
June 2046	0	0	0	0	0	3	0	0	0	0	16	0	0	0	0	26	0	0	0	0	
June 2047	0	0	0	0	0	0	0	0	0	0	10	0	0	0	0	21	0	0	0	0	
June 2048	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	15	0	0	0	0	
June 2049	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0	0	0	0	
June 2050	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	
June 2051	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
June 2052	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
June 2053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
June 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)	11.3	4.8	4.8	2.5	1.7	12.9	5.6	5.6	3.0	1.9	14.4	6.5	6.4	3.4	2.2	15.8	7.3	7.2	3.9	2.5	

**Security Group 18  
PSA Prepayment Assumption Rates**

Distribution Date	Class NZ					Class UZ					Class ZB					Class ZC				
	0%	100%	102%	250%	400%	0%	100%	102%	250%	400%	0%	100%	102%	250%	400%	0%	100%	102%	250%	400%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
June 2025	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103
June 2026	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106
June 2027	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109
June 2028	113	113	113	113	109	113	113	113	113	113	113	113	113	113	113	113	113	113	113	113
June 2029	116	116	116	116	0	116	116	116	116	116	116	116	116	102	116	116	116	116	116	116
June 2030	120	120	120	117	0	120	120	120	120	119	120	120	120	120	0	120	120	120	120	117
June 2031	123	123	123	26	0	123	123	123	123	87	123	123	123	123	0	123	123	123	123	26
June 2032	127	127	127	0	0	127	127	127	127	64	127	127	127	68	0	127	127	127	127	0
June 2033	131	131	131	0	0	131	131	131	128	47	131	131	131	0	0	131	131	131	124	0
June 2034	135	135	135	0	0	135	135	135	105	34	135	135	135	0	0	135	135	135	54	0
June 2035	139	114	107	0	0	139	139	139	85	25	139	139	139	0	0	139	139	139	0	0
June 2036	143	50	43	0	0	143	143	143	69	18	143	143	143	0	0	143	143	143	0	0
June 2037	148	0	0	0	0	148	148	148	56	13	148	135	128	0	0	148	148	148	0	0
June 2038	152	0	0	0	0	152	152	152	45	9	152	73	65	0	0	152	152	152	0	0
June 2039	157	0	0	0	0	157	157	157	36	7	157	14	7	0	0	157	157	157	0	0
June 2040	162	0	0	0	0	162	143	140	29	5	162	0	0	0	0	162	112	104	0	0
June 2041	166	0	0	0	0	166	125	122	23	3	166	0	0	0	0	166	55	48	0	0
June 2042	171	0	0	0	0	171	108	106	18	2	171	0	0	0	0	171	1	0	0	0
June 2043	177	0	0	0	0	177	93	90	14	2	177	0	0	0	0	177	0	0	0	0
June 2044	175	0	0	0	0	182	78	76	10	1	182	0	0	0	0	182	0	0	0	0
June 2045	103	0	0	0	0	188	65	63	8	1	188	0	0	0	0	188	0	0	0	0
June 2046	29	0	0	0	0	193	53	51	6	0	193	0	0	0	0	193	0	0	0	0
June 2047	0	0	0	0	0	199	41	40	4	0	142	0	0	0	0	199	0	0	0	0
June 2048	0	0	0	0	0	205	31	30	3	0	54	0	0	0	0	205	0	0	0	0
June 2049	0	0	0	0	0	195	21	21	2	0	0	0	0	0	0	167	0	0	0	0
June 2050	0	0	0	0	0	159	12	12	1	0	0	0	0	0	0	61	0	0	0	0
June 2051	0	0	0	0	0	122	4	4	0	0	0	0	0	0	0	0	0	0	0	0
June 2052	0	0	0	0	0	83	0	0	0	0	0	0	0	0	0	0	0	0	0	0
June 2053	0	0	0	0	0	43	0	0	0	0	0	0	0	0	0	0	0	0	0	0
June 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)	21.2	11.7	11.6	6.6	4.4	27.4	20.4	20.3	13.4	9.2	23.5	14.0	13.9	8.1	5.4	25.6	16.6	16.5	9.9	6.6

**PSA Prepayment Assumption Rates**

Distribution Date	Class ZD					Class ZN					Class ZU				
	0%	100%	102%	250%	400%	0%	100%	102%	250%	400%	0%	100%	102%	250%	400%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
June 2025	103	103	103	103	103	103	103	103	103	103	103	103	103	103	103
June 2026	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106
June 2027	109	109	109	109	109	109	109	109	109	109	109	109	109	109	109
June 2028	113	113	113	113	113	113	113	113	113	112	113	113	113	113	113
June 2029	116	116	116	116	116	116	116	116	116	83	116	116	116	116	112
June 2030	120	120	120	120	120	120	120	120	119	61	120	120	120	120	82
June 2031	123	123	123	123	123	123	123	123	98	45	123	123	123	123	61
June 2032	127	127	127	127	102	127	127	127	80	33	127	127	127	109	45
June 2033	131	131	131	131	75	131	131	131	66	24	131	131	131	89	33
June 2034	135	135	135	135	55	135	135	135	54	18	135	135	135	73	24
June 2035	139	139	139	136	40	139	132	131	44	13	139	139	139	59	17
June 2036	143	143	143	110	29	143	119	117	36	9	143	143	143	48	13
June 2037	148	148	148	89	21	148	106	104	29	7	148	144	142	39	9
June 2038	152	152	152	72	15	152	94	93	23	5	152	128	126	31	7
June 2039	157	157	157	57	11	157	84	82	18	3	157	113	111	25	5
June 2040	162	162	162	46	8	162	74	72	15	2	162	100	98	20	3
June 2041	166	166	166	36	5	166	64	63	12	2	166	87	85	16	2
June 2042	171	171	168	28	4	171	56	54	9	1	171	75	74	12	2
June 2043	177	147	144	22	3	177	48	46	7	1	177	64	63	10	1
June 2044	182	124	121	17	2	180	40	39	5	1	182	54	53	7	1
June 2045	188	103	100	12	1	166	33	32	4	0	188	45	44	5	1
June 2046	193	84	81	9	1	150	27	26	3	0	193	37	36	4	0
June 2047	199	66	64	6	0	134	21	21	2	0	182	29	28	3	0
June 2048	205	49	48	4	0	118	16	15	1	0	159	21	21	2	0
June 2049	212	34	33	3	0	100	11	11	1	0	136	15	14	1	0
June 2050	218	20	19	1	0	82	6	6	0	0	111	9	8	1	0
June 2051	195	7	7	0	0	63	2	2	0	0	85	3	3	0	0
June 2052	133	0	0	0	0	43	0	0	0	0	58	0	0	0	0
June 2053	68	0	0	0	0	22	0	0	0	0	30	0	0	0	0
June 2054	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	28.3	22.2	22.1	15.2	10.5	25.4	17.3	17.2	10.8	7.2	26.4	18.8	18.7	12.0	8.1

## 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 10 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, 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 50 days earlier.

## **Yield Tables**

The following tables show the pre-tax yields to maturity on a corporate bond equivalent basis of specified Classes at various constant percentages of 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, 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 Notional Balance) plus accrued interest is as indicated in the related table. **The assumed purchase price is not necessarily that at which actual sales will occur.**



## SECURITY GROUP 1

### Sensitivity of Class SA to Prepayments Assumed Price 8.90625%\*

<u>30-day Average SOFR</u>	<u>PSA Prepayment Assumption Rates</u>				
	<u>100%</u>	<u>250%</u>	<u>443%</u>	<u>650%</u>	<u>900%</u>
4.32433% . . . . .	28.5%	20.8%	10.5%	(0.8)%	(15.0)%
5.32433% . . . . .	15.7%	7.6%	(3.3)%	(15.5)%	(30.9)%
6.28717% . . . . .	2.9%	(5.6)%	(17.1)%	(30.2)%	(47.3)%
7.25000% and above . . . .	**	**	**	**	**

### Sensitivity of Class SB to Prepayments Assumed Price 6.40625%\*

<u>30-day Average SOFR</u>	<u>PSA Prepayment Assumption Rates</u>				
	<u>100%</u>	<u>250%</u>	<u>443%</u>	<u>650%</u>	<u>900%</u>
4.32433% . . . . .	43.7%	36.7%	27.4%	17.3%	4.7%
5.32433% . . . . .	25.6%	17.9%	7.9%	(3.2)%	(17.1)%
6.28717% . . . . .	8.2%	(0.1)%	(11.1)%	(23.6)%	(39.5)%
7.25000% and above . . . .	**	**	**	**	**

### Sensitivity of Class SC to Prepayments Assumed Price 6.67578125%\*

<u>30-day Average SOFR</u>	<u>PSA Prepayment Assumption Rates</u>				
	<u>100%</u>	<u>250%</u>	<u>443%</u>	<u>650%</u>	<u>900%</u>
4.32433% . . . . .	41.3%	34.0%	24.2%	13.5%	0.2%
5.32433% . . . . .	24.0%	16.1%	5.7%	(5.9)%	(20.5)%
6.28717% . . . . .	7.3%	(1.1)%	(12.3)%	(25.1)%	(41.5)%
7.25000% and above . . . .	**	**	**	**	**

### Sensitivity of Class SD to Prepayments Assumed Price 8.625%\*

<u>30-day Average SOFR</u>	<u>PSA Prepayment Assumption Rates</u>				
	<u>100%</u>	<u>250%</u>	<u>443%</u>	<u>650%</u>	<u>900%</u>
4.32433% . . . . .	29.4%	21.3%	10.5%	(1.5)%	(16.8)%
5.32433% . . . . .	16.3%	7.9%	(3.4)%	(16.1)%	(32.5)%
6.28717% . . . . .	3.2%	(5.4)%	(17.2)%	(30.7)%	(48.6)%
7.25000% and above . . . .	**	**	**	**	**

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

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

**Sensitivity of Class SN to Prepayments**  
**Assumed Price 7.42503125%\***

<u>30-day Average SOFR</u>	<u>PSA Prepayment Assumption Rates</u>				
	<u>100%</u>	<u>250%</u>	<u>443%</u>	<u>650%</u>	<u>900%</u>
4.32433% . . . . .	36.2%	28.7%	18.9%	8.1%	(5.4)%
5.32433% . . . . .	20.7%	12.8%	2.3%	(9.5)%	(24.2)%
6.28717% . . . . .	5.6%	(2.8)%	(14.1)%	(26.9)%	(43.5)%
7.25000% and above . . .	**	**	**	**	**

**SECURITY GROUP 2**

**Sensitivity of Class NS to Prepayments**  
**Assumed Price 2.375%\***

<u>30-day Average SOFR</u>	<u>PSA Prepayment Assumption Rates</u>				
	<u>100%</u>	<u>250%</u>	<u>435%</u>	<u>650%</u>	<u>900%</u>
4.32466% . . . . .	70.3%	62.5%	52.6%	40.7%	26.3%
5.32466% . . . . .	20.8%	12.3%	1.4%	(11.9)%	(28.3)%
5.63733% . . . . .	5.6%	(3.1)%	(14.4)%	(28.5)%	(46.3)%
5.95000% and above . . .	**	**	**	**	**

**SECURITY GROUP 4**

**Sensitivity of Class S to Prepayments**  
**Assumed Price 1.375%\***

<u>30-day Average SOFR</u>	<u>PSA Prepayment Assumption Rates</u>				
	<u>100%</u>	<u>250%</u>	<u>435%</u>	<u>650%</u>	<u>900%</u>
3.75% . . . . .	120.8%	113.2%	103.6%	92.1%	78.2%
4.25% . . . . .	74.2%	66.5%	56.6%	44.8%	30.4%
4.75% . . . . .	31.5%	23.3%	12.7%	(0.1)%	(15.9)%
5.25% and above . . . .	**	**	**	**	**

**Sensitivity of Class US to Prepayments**  
**Assumed Price 4.390625%\***

<u>30-day Average SOFR</u>	<u>PSA Prepayment Assumption Rates</u>				
	<u>100%</u>	<u>250%</u>	<u>435%</u>	<u>650%</u>	<u>900%</u>
4.32433% . . . . .	67.5%	59.7%	49.8%	37.8%	23.3%
5.32433% . . . . .	40.0%	31.9%	21.5%	9.0%	(6.4)%
6.26217% . . . . .	15.4%	6.8%	(4.2)%	(17.8)%	(34.6)%
7.20000% and above . . .	**	**	**	**	**

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

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

**Sensitivity of Class YS to Prepayments**  
**Assumed Price 1.328125%**

<u>30-day Average SOFR</u>	<u>PSA Prepayment Assumption Rates</u>				
	<u>100%</u>	<u>250%</u>	<u>435%</u>	<u>650%</u>	<u>900%</u>
3.7% .....	126.0%	118.4%	108.8%	97.3%	83.4%
4.2% .....	77.4%	69.6%	59.8%	48.0%	33.7%
4.7% .....	33.0%	24.7%	14.2%	1.4%	(14.3)%
5.2% and above .....	**	**	**	**	**

**SECURITY GROUP 6**

**Sensitivity of Class KS to Prepayments**  
**Assumed Price 1.796875%**

<u>30-day Average SOFR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>100%</u>	<u>365%</u>	<u>600%</u>	<u>800%</u>
3.82% .....	88.2%	76.5%	65.9%	56.6%
4.32% .....	54.2%	41.5%	30.0%	19.9%
4.82% .....	22.2%	8.1%	(5.1)%	(16.7)%
5.32% and above .....	**	**	**	**

**SECURITY GROUP 7**

**Sensitivity of Class ES to Prepayments**  
**Assumed Price 3.15625%\***

<u>30-day Average SOFR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>100%</u>	<u>365%</u>	<u>600%</u>	<u>800%</u>
4.33303% .....	27.2%	13.3%	0.5%	(10.8)%
5.33303% .....	(19.4)%	(34.4)%	(49.6)%	(65.9)%
5.34152% .....	(22.6)%	(37.4)%	(52.8)%	(70.0)%
5.35000% and above .....	**	**	**	**

**SECURITY GROUP 8**

**Sensitivity of Class HS to Prepayments**  
**Assumed Price 3.4375%\***

<u>30-day Average SOFR</u>	<u>PSA Prepayment Assumption Rates</u>				
	<u>100%</u>	<u>300%</u>	<u>456%</u>	<u>750%</u>	<u>1,000%</u>
4.32901% .....	67.7%	56.8%	48.0%	30.7%	15.1%
5.32901% .....	33.0%	21.7%	12.5%	(5.8)%	(22.5)%
5.96451% .....	11.9%	0.1%	(9.5)%	(29.0)%	(47.3)%
6.60000% and above .....	**	**	**	**	**

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

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

**Sensitivity of Class SH to Prepayments**  
**Assumed Price 1.546875%\***

<u>30-day Average SOFR</u>	<u>PSA Prepayment Assumption Rates</u>				
	<u>100%</u>	<u>300%</u>	<u>456%</u>	<u>750%</u>	<u>1,000%</u>
4.32901% . . . . .	70.0%	59.1%	50.4%	33.1%	17.5%
5.32901% . . . . .	(6.6)%	(18.4)%	(28.2)%	(49.0)%	(69.8)%
5.36451% . . . . .	(11.6)%	(23.3)%	(33.1)%	(54.4)%	(76.3)%
5.40000% and above . . . .	**	**	**	**	**

**Sensitivity of Class SI to Prepayments**  
**Assumed Price 3.5%\***

<u>30-day Average SOFR</u>	<u>PSA Prepayment Assumption Rates</u>				
	<u>100%</u>	<u>300%</u>	<u>456%</u>	<u>750%</u>	<u>1,000%</u>
4.32901% . . . . .	68.0%	57.2%	48.4%	31.1%	15.5%
5.32901% . . . . .	33.9%	22.6%	13.5%	(4.8)%	(21.5)%
5.98951% . . . . .	12.3%	0.6%	(9.0)%	(28.5)%	(46.7)%
6.65000% and above . . . .	**	**	**	**	**

**Sensitivity of Class TH to Prepayments**  
**Assumed Price 0.0625%\***

<u>30-day Average SOFR</u>	<u>PSA Prepayment Assumption Rates</u>				
	<u>100%</u>	<u>300%</u>	<u>456%</u>	<u>750%</u>	<u>1,000%</u>
6.600% and below . . . . .	87.8%	77.1%	68.4%	51.4%	36.1%
6.625% . . . . .	37.8%	26.5%	17.4%	(0.6)%	(17.1)%
6.650% and above . . . . .	**	**	**	**	**

**SECURITY GROUP 9**

**Sensitivity of Class JT to Prepayments**  
**Assumed Price 0.15625%\***

<u>30-day Average SOFR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>270%</u>	<u>450%</u>	<u>560%</u>	<u>900%</u>
6.00% and below . . . . .	46.6%	46.6%	46.6%	30.7%
6.05% . . . . .	5.7%	5.7%	5.7%	(14.6)%
6.10% and above . . . . .	**	**	**	**

**Sensitivity of Class PS to Prepayments**  
**Assumed Price 2.78125%\***

<u>30-day Average SOFR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>270%</u>	<u>450%</u>	<u>560%</u>	<u>900%</u>
4.33303% . . . . .	39.5%	39.5%	39.5%	23.0%
5.33303% . . . . .	(5.4)%	(5.4)%	(5.4)%	(27.2)%
5.66652% . . . . .	(21.0)%	(21.0)%	(21.0)%	(45.2)%
6.00000% and above . . . . .	**	**	**	**

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

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

**Sensitivity of Class SJ to Prepayments**  
**Assumed Price 2.9375%\***

<u>30-day Average SOFR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>270%</u>	<u>450%</u>	<u>560%</u>	<u>900%</u>
4.33303% .....	39.9%	39.9%	39.9%	23.4%
5.33303% .....	(2.6)%	(2.6)%	(2.6)%	(24.1)%
5.71652% .....	(19.5)%	(19.5)%	(19.5)%	(43.5)%
6.10000% and above .....	**	**	**	**

**Sensitivity of Class SP to Prepayments**  
**Assumed Price 2.625%\***

<u>30-day Average SOFR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>270%</u>	<u>450%</u>	<u>560%</u>	<u>900%</u>
4.33303% .....	39.1%	39.1%	39.1%	22.5%
5.33303% .....	(8.4)%	(8.4)%	(8.4)%	(30.7)%
5.61652% .....	(22.6)%	(22.6)%	(22.6)%	(47.2)%
5.90000% and above .....	**	**	**	**

**Sensitivity of Class TP to Prepayments**  
**Assumed Price 0.15625%\***

<u>30-day Average SOFR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>270%</u>	<u>450%</u>	<u>560%</u>	<u>900%</u>
5.90% and below .....	46.6%	46.6%	46.6%	30.7%
5.95% .....	5.7%	5.7%	5.7%	(14.6)%
6.00% and above .....	**	**	**	**

**SECURITY GROUP 10**

**Sensitivity of Class BI to Prepayments**  
**Assumed Price 17.0%\***

<u>PSA Prepayment Assumption Rates</u>				
<u>100%</u>	<u>122%</u>	<u>250%</u>	<u>278%</u>	<u>400%</u>
12.2%	10.8%	2.0%	0.0%	(8.8)%

**SECURITY GROUP 11**

**Sensitivity of Class QS to Prepayments**  
**Assumed Price 4.5%\***

<u>30-day Average SOFR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>100%</u>	<u>238%</u>	<u>350%</u>	<u>500%</u>
4.33303% .....	22.5%	15.0%	8.9%	0.4%
5.33303% .....	(4.3)%	(12.2)%	(18.9)%	(28.3)%
5.46652% .....	(9.9)%	(17.8)%	(24.5)%	(33.9)%
5.60000% and above .....	**	**	**	**

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

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

**Sensitivity of Class QT to Prepayments**  
**Assumed Price 0.15625%\***

<u>30-day Average SOFR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>100%</u>	<u>238%</u>	<u>350%</u>	<u>500%</u>
5.50% and below .....	66.8%	60.2%	54.8%	47.4%
5.55% .....	28.1%	20.8%	14.8%	6.5%
5.60% and above .....	**	**	**	**

**Sensitivity of Class SK to Prepayments**  
**Assumed Price 4.34375%\***

<u>30-day Average SOFR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>100%</u>	<u>238%</u>	<u>350%</u>	<u>500%</u>
4.33303% .....	21.0%	13.5%	7.3%	(1.2)%
5.33303% .....	(8.0)%	(15.9)%	(22.6)%	(32.0)%
5.41652% .....	(12.7)%	(20.6)%	(27.3)%	(36.6)%
5.50000% and above .....	**	**	**	**

**Sensitivity of Class SQ to Prepayments**  
**Assumed Price 4.1875%\***

<u>30-day Average SOFR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>100%</u>	<u>238%</u>	<u>350%</u>	<u>500%</u>
4.33303% .....	19.4%	11.9%	5.6%	(3.0)%
5.33303% .....	(13.9)%	(21.7)%	(28.3)%	(37.7)%
5.36652% .....	(17.6)%	(25.4)%	(31.9)%	(41.1)%
5.40000% and above .....	**	**	**	**

**Sensitivity of Class SW to Prepayments**  
**Assumed Price 6.1875%\***

<u>30-day Average SOFR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>100%</u>	<u>238%</u>	<u>350%</u>	<u>500%</u>
4.33303% .....	10.2%	2.5%	(3.8)%	(12.6)%
5.33303% .....	(16.0)%	(23.7)%	(30.3)%	(39.5)%
5.36652% .....	(19.4)%	(27.1)%	(33.6)%	(42.8)%
5.40000% and above .....	**	**	**	**

**Sensitivity of Class TQ to Prepayments**  
**Assumed Price 0.15625%\***

<u>30-day Average SOFR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>100%</u>	<u>238%</u>	<u>350%</u>	<u>500%</u>
5.40% and below .....	66.8%	60.2%	54.8%	47.4%
5.45% .....	28.1%	20.8%	14.8%	6.5%
5.50% and above .....	**	**	**	**

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

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

**Sensitivity of Class TW to Prepayments**  
**Assumed Price 0.15625%\***

<u>30-day Average SOFR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>100%</u>	<u>238%</u>	<u>350%</u>	<u>500%</u>
5.50% and below .....	67.0%	60.7%	55.5%	48.5%
5.55% .....	28.2%	21.1%	15.3%	7.2%
5.60% and above .....	**	**	**	**

**Sensitivity of Class WS to Prepayments**  
**Assumed Price 6.5%\***

<u>30-day Average SOFR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>100%</u>	<u>238%</u>	<u>350%</u>	<u>500%</u>
4.33303% .....	12.8%	5.2%	(1.1)%	(9.8)%
5.33303% .....	(7.4)%	(15.3)%	(21.9)%	(31.3)%
5.46652% .....	(12.3)%	(20.1)%	(26.7)%	(36.0)%
5.60000% and above .....	**	**	**	**

**Sensitivity of Class WT to Prepayments**  
**Assumed Price 0.15625%\***

<u>30-day Average SOFR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>100%</u>	<u>238%</u>	<u>350%</u>	<u>500%</u>
5.40% and below .....	67.0%	60.7%	55.5%	48.5%
5.45% .....	28.2%	21.1%	15.3%	7.2%
5.50% and above .....	**	**	**	**

**Sensitivity of Class XS to Prepayments**  
**Assumed Price 6.34375%\***

<u>30-day Average SOFR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>100%</u>	<u>238%</u>	<u>350%</u>	<u>500%</u>
4.33303% .....	11.5%	3.9%	(2.4)%	(11.2)%
5.33303% .....	(10.7)%	(18.5)%	(25.1)%	(34.5)%
5.41652% .....	(14.9)%	(22.7)%	(29.2)%	(38.5)%
5.50000% and above .....	**	**	**	**

**SECURITY GROUP 12**

**Sensitivity of Class AS to Prepayments**  
**Assumed Price 2.3125%\***

<u>30-day Average SOFR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>100%</u>	<u>367%</u>	<u>600%</u>	<u>800%</u>
4.33303% .....	54.0%	42.4%	32.0%	23.0%
5.33303% .....	3.8%	(11.2)%	(25.1)%	(37.8)%
5.46652% .....	(4.2)%	(19.5)%	(34.0)%	(47.7)%
5.60000% and above .....	**	**	**	**

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

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



**Sensitivity of Class BS to Prepayments**  
**Assumed Price 2.15625%\***

<u>30-day Average SOFR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>100%</u>	<u>367%</u>	<u>600%</u>	<u>800%</u>
4.33303% .....	53.0%	41.4%	31.0%	22.0%
5.33303% .....	(1.3)%	(16.5)%	(30.8)%	(44.2)%
5.41652% .....	(7.6)%	(23.0)%	(37.6)%	(51.8)%
5.50000% and above .....	**	**	**	**

**Sensitivity of Class CS to Prepayments**  
**Assumed Price 2.0%\***

<u>30-day Average SOFR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>100%</u>	<u>367%</u>	<u>600%</u>	<u>800%</u>
4.33303% .....	52.0%	40.2%	29.8%	20.7%
5.33303% .....	(8.7)%	(24.1)%	(38.8)%	(53.1)%
5.36652% .....	(13.2)%	(28.5)%	(43.3)%	(58.3)%
5.40000% and above .....	**	**	**	**

**Sensitivity of Class TA to Prepayments**  
**Assumed Price 0.15625%\***

<u>30-day Average SOFR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>100%</u>	<u>367%</u>	<u>600%</u>	<u>800%</u>
5.50% and below .....	67.6%	56.5%	46.7%	38.2%
5.55% .....	28.6%	15.5%	3.8%	(6.5)%
5.60% and above .....	**	**	**	**

**Sensitivity of Class TI to Prepayments**  
**Assumed Price 0.15625%\***

<u>30-day Average SOFR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>100%</u>	<u>367%</u>	<u>600%</u>	<u>800%</u>
5.40% and below .....	67.6%	56.5%	46.7%	38.2%
5.45% .....	28.6%	15.5%	3.8%	(6.5)%
5.50% and above .....	**	**	**	**

**SECURITY GROUP 13**

**Sensitivity of Class BT to Prepayments**  
**Assumed Price 0.15625%\***

<u>30-day Average SOFR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>100%</u>	<u>367%</u>	<u>600%</u>	<u>800%</u>
5.50% and below .....	67.6%	56.5%	46.7%	38.2%
5.55% .....	28.6%	15.5%	3.8%	(6.5)%
5.60% and above .....	**	**	**	**

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

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

**Sensitivity of Class DS to Prepayments**  
**Assumed Price 2.3125%\***

<u>30-day Average SOFR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>100%</u>	<u>367%</u>	<u>600%</u>	<u>800%</u>
4.33303% .....	54.0%	42.4%	32.0%	23.0%
5.33303% .....	3.8%	(11.2)%	(25.1)%	(37.8)%
5.46652% .....	(4.2)%	(19.5)%	(34.0)%	(47.7)%
5.60000% and above .....	**	**	**	**

**Sensitivity of Class GS to Prepayments**  
**Assumed Price 2.15625%\***

<u>30-day Average SOFR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>100%</u>	<u>367%</u>	<u>600%</u>	<u>800%</u>
4.33303% .....	53.0%	41.4%	31.0%	22.0%
5.33303% .....	(1.3)%	(16.5)%	(30.8)%	(44.2)%
5.41652% .....	(7.6)%	(23.0)%	(37.6)%	(51.8)%
5.50000% and above .....	**	**	**	**

**Sensitivity of Class SG to Prepayments**  
**Assumed Price 2.0%\***

<u>30-day Average SOFR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>100%</u>	<u>367%</u>	<u>600%</u>	<u>800%</u>
4.33303% .....	52.0%	40.2%	29.8%	20.7%
5.33303% .....	(8.7)%	(24.1)%	(38.8)%	(53.1)%
5.36652% .....	(13.2)%	(28.5)%	(43.3)%	(58.3)%
5.40000% and above .....	**	**	**	**

**Sensitivity of Class TB to Prepayments**  
**Assumed Price 0.15625%\***

<u>30-day Average SOFR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>100%</u>	<u>367%</u>	<u>600%</u>	<u>800%</u>
5.40% and below .....	67.6%	56.5%	46.7%	38.2%
5.45% .....	28.6%	15.5%	3.8%	(6.5)%
5.50% and above .....	**	**	**	**

**SECURITY GROUP 14**

**Sensitivity of Class IT to Prepayments**  
**Assumed Price 0.15625%\***

<u>30-day Average SOFR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>100%</u>	<u>367%</u>	<u>600%</u>	<u>800%</u>
5.50% and below .....	67.6%	56.5%	46.7%	38.2%
5.55% .....	28.6%	15.5%	3.8%	(6.5)%
5.60% and above .....	**	**	**	**

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

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

**Sensitivity of Class JS to Prepayments**  
**Assumed Price 2.3125%\***

<u>30-day Average SOFR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>100%</u>	<u>367%</u>	<u>600%</u>	<u>800%</u>
4.33303% .....	54.0%	42.4%	32.0%	23.0%
5.33303% .....	3.8%	(11.2)%	(25.1)%	(37.8)%
5.46652% .....	(4.2)%	(19.5)%	(34.0)%	(47.7)%
5.60000% and above .....	**	**	**	**

**Sensitivity of Class LS to Prepayments**  
**Assumed Price 2.0%\***

<u>30-day Average SOFR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>100%</u>	<u>367%</u>	<u>600%</u>	<u>800%</u>
4.33303% .....	52.0%	40.2%	29.8%	20.7%
5.33303% .....	(8.7)%	(24.1)%	(38.8)%	(53.1)%
5.36652% .....	(13.2)%	(28.5)%	(43.3)%	(58.3)%
5.40000% and above .....	**	**	**	**

**Sensitivity of Class SL to Prepayments**  
**Assumed Price 2.15625%\***

<u>30-day Average SOFR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>100%</u>	<u>367%</u>	<u>600%</u>	<u>800%</u>
4.33303% .....	53.0%	41.4%	31.0%	22.0%
5.33303% .....	(1.3)%	(16.5)%	(30.8)%	(44.2)%
5.41652% .....	(7.6)%	(23.0)%	(37.6)%	(51.8)%
5.50000% and above .....	**	**	**	**

**Sensitivity of Class TJ to Prepayments**  
**Assumed Price 0.15625%\***

<u>30-day Average SOFR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>100%</u>	<u>367%</u>	<u>600%</u>	<u>800%</u>
5.40% and below .....	67.6%	56.5%	46.7%	38.2%
5.45% .....	28.6%	15.5%	3.8%	(6.5)%
5.50% and above .....	**	**	**	**

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

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

**SECURITY GROUP 15**

**Sensitivity of Class SM to Prepayments  
Assumed Price 2.3125%\***

<u>30-day Average SOFR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>100%</u>	<u>367%</u>	<u>600%</u>	<u>800%</u>
4.33303% .....	54.0%	42.4%	32.0%	23.0%
5.33303% .....	3.8%	(11.2)%	(25.1)%	(37.8)%
5.46652% .....	(4.2)%	(19.5)%	(34.0)%	(47.7)%
5.60000% and above .....	**	**	**	**

**Sensitivity of Class SX to Prepayments  
Assumed Price 2.15625%\***

<u>30-day Average SOFR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>100%</u>	<u>367%</u>	<u>600%</u>	<u>800%</u>
4.33303% .....	53.0%	41.4%	31.0%	22.0%
5.33303% .....	(1.3)%	(16.5)%	(30.8)%	(44.2)%
5.41652% .....	(7.6)%	(23.0)%	(37.6)%	(51.8)%
5.50000% and above .....	**	**	**	**

**Sensitivity of Class TS to Prepayments  
Assumed Price 2.0%\***

<u>30-day Average SOFR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>100%</u>	<u>367%</u>	<u>600%</u>	<u>800%</u>
4.33303% .....	52.0%	40.2%	29.8%	20.7%
5.33303% .....	(8.7)%	(24.1)%	(38.8)%	(53.1)%
5.36652% .....	(13.2)%	(28.5)%	(43.3)%	(58.3)%
5.40000% and above .....	**	**	**	**

**Sensitivity of Class TX to Prepayments  
Assumed Price 0.15625%\***

<u>30-day Average SOFR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>100%</u>	<u>367%</u>	<u>600%</u>	<u>800%</u>
5.50% and below .....	67.6%	56.5%	46.7%	38.2%
5.55% .....	28.6%	15.5%	3.8%	(6.5)%
5.60% and above .....	**	**	**	**

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

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

**Sensitivity of Class XT to Prepayments**  
**Assumed Price 0.15625%\***

<u>30-day Average SOFR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>100%</u>	<u>367%</u>	<u>600%</u>	<u>800%</u>
5.40% and below .....	67.6%	56.5%	46.7%	38.2%
5.45% .....	28.6%	15.5%	3.8%	(6.5)%
5.50% and above .....	**	**	**	**

**SECURITY GROUPS 12, 13, 14 AND 15**

**Sensitivity of Class IS to Prepayments**  
**Assumed Price 2.15625%\***

<u>30-day Average SOFR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>100%</u>	<u>367%</u>	<u>600%</u>	<u>800%</u>
4.33303% .....	53.0%	41.4%	31.0%	22.0%
5.33303% .....	(1.3)%	(16.5)%	(30.8)%	(44.1)%
5.41652% .....	(7.6)%	(23.0)%	(37.6)%	(51.6)%
5.50000% and above .....	**	**	**	**

**Sensitivity of Class SU to Prepayments**  
**Assumed Price 2.0%\***

<u>30-day Average SOFR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>100%</u>	<u>367%</u>	<u>600%</u>	<u>800%</u>
4.33303% .....	52.0%	40.2%	29.8%	20.7%
5.33303% .....	(8.7)%	(24.1)%	(38.8)%	(52.8)%
5.36652% .....	(13.2)%	(28.5)%	(43.2)%	(57.8)%
5.40000% and above .....	**	**	**	**

**Sensitivity of Class SV to Prepayments**  
**Assumed Price 2.3125%\***

<u>30-day Average SOFR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>100%</u>	<u>367%</u>	<u>600%</u>	<u>800%</u>
4.33303% .....	54.0%	42.4%	32.0%	23.0%
5.33303% .....	3.8%	(11.2)%	(25.1)%	(37.8)%
5.46652% .....	(4.2)%	(19.5)%	(34.0)%	(47.6)%
5.60000% and above .....	**	**	**	**

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

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

**SECURITY GROUP 16**

**Sensitivity of Class IM to Prepayments  
Assumed Price 14.0%\***

<b>PSA Prepayment Assumption Rates</b>				
<b>125%</b>	<b>200%</b>	<b>340%</b>	<b>400%</b>	<b>1,118%</b>
36.1%	36.1%	36.1%	34.4%	0.0%

**Sensitivity of Class MS to Prepayments  
Assumed Price 2.09375%\***

<b>30-day Average SOFR</b>	<b>PSA Prepayment Assumption Rates</b>			
	<b>125%</b>	<b>200%</b>	<b>340%</b>	<b>400%</b>
4.33030% .....	41.6%	41.6%	41.6%	40.1%
5.33030% .....	(19.1)%	(19.1)%	(19.1)%	(22.8)%
5.36515% .....	(23.1)%	(23.1)%	(23.1)%	(26.8)%
5.40000% and above .....	**	**	**	**

**Sensitivity of Class SY to Prepayments  
Assumed Price 2.25%\***

<b>30-day Average SOFR</b>	<b>PSA Prepayment Assumption Rates</b>			
	<b>125%</b>	<b>200%</b>	<b>340%</b>	<b>400%</b>
4.33030% .....	42.9%	42.9%	42.9%	41.4%
5.33030% .....	(12.1)%	(12.1)%	(12.1)%	(15.7)%
5.41515% .....	(18.2)%	(18.2)%	(18.2)%	(22.0)%
5.50000% and above .....	**	**	**	**

**Sensitivity of Class TM to Prepayments  
Assumed Price 0.15625%\***

<b>30-day Average SOFR</b>	<b>PSA Prepayment Assumption Rates</b>			
	<b>125%</b>	<b>200%</b>	<b>340%</b>	<b>400%</b>
5.40% and below .....	60.3%	60.3%	60.3%	59.2%
5.45% .....	20.1%	20.1%	20.1%	18.0%
5.50% and above .....	**	**	**	**

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

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

**CERTAIN UNITED STATES FEDERAL INCOME TAX CONSEQUENCES**

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

## REMIC Elections

In the opinion of Cleary Gottlieb Steen & Hamilton LLP, the Trust will constitute a Double REMIC Series as to the Group 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 and 16 Trust Assets and a Single REMIC Series as to the Group 12 Trust Assets, the Group 13 Trust Assets, the Group 14 Trust Assets, the Group 15 Trust Assets, the Group 17 Trust Assets and the Group 18 Trust Assets, each for United States federal income tax purposes. Separate REMIC elections will be made for the Group 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 and 16 Pooling REMIC, the Group 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 and 16 Issuing REMIC, the Group 12 REMIC, the Group 13 REMIC, the Group 14 REMIC, the Group 15 REMIC, the Group 17 REMIC and the Group 18 REMIC.

## Regular Securities

The Regular Securities will be treated as debt instruments issued by the Group 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 and 16 Issuing REMIC, the Group 12 REMIC, the Group 13 REMIC, the Group 14 REMIC, the Group 15 REMIC, the Group 17 REMIC or the Group 18 REMIC, as applicable, for United States federal income tax purposes. Income on the Regular Securities must be reported under an accrual method of accounting.

The Notional and 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.*

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:

<u>Group(s)</u>	<u>PSA</u>
1	443%
2 and 4	435%
3 and 11	238%
5	201%
6 and 7	365%
8	456%
9	450%
10	122%
12, 13, 14 and 15	367%
16	200%
17	97%
18	102%

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**

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

<u>Residual Securities</u>	<u>Trust REMIC</u>
Class RR Securities	Group 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 and 16 Pooling REMIC and Group 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 and 16 Issuing REMIC
Class R12 Securities	Group 12 REMIC
Class R13 Securities	Group 13 REMIC
Class R14 Securities	Group 14 REMIC
Class R15 Securities	Group 15 REMIC
Class R17 Securities	Group 17 REMIC
Class R18 Securities	Group 18 REMIC

The Residual Securities generally will be treated as “residual interests” in a REMIC for domestic building and loan associations and as “real estate assets” for REITs, as described in “Certain United States Federal Income Tax Consequences” in the Base Offering Circular, but will not be treated as debt for United States federal income tax purposes. Instead, the Holders of the Residual Securities will be required to report, and will be taxed on, their pro rata shares of the taxable income or loss of the related Trust REMIC or Trust REMICs, as applicable, and these requirements will continue until there are no outstanding regular interests in the respective Trust REMIC or Trust REMICs, as applicable. Thus, Residual Holders will have taxable income attributable to the Residual Securities even though they will not receive principal or interest distributions with respect to the Residual Securities, which could result in a negative after-tax return for the Residual Holders. Even though the Holders of the Residual Securities are not entitled to any stated principal or interest payments on the Residual Securities, the related Trust REMIC or Trust REMICs, as applicable, 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 from (1) June 1, 2024 on the Fixed Rate Classes and (2) June 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 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)

Class	REMIC Securities		MX Securities						
	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)	
<b>Security Group 1</b>									
Combination 1									
SA	\$ 28,651,872	SN	\$ 81,793,582	NTL(PT)	(5)	INV/IO	38384P8D5	June 2054	
SB	29,711,429								
SC	20,667,161								
SD	2,763,120								
Combination 2									
FA	\$ 28,651,872	FE	\$ 81,793,582	PT	(5)	FLT	38384P8E3	June 2054	
FB	29,711,429								
FC	20,667,161								
FD	2,763,120								
Combination 3									
BA	\$ 17,252,996	B	\$ 30,946,534	SEQ	5.50%	FIX	38384P8F0	February 2053	
C	12,069,562								
D	1,623,976								
Combination 4									
BV	\$ 1,147,981	LB	\$ 4,481,273	SEQ	5.50%	FIX	38384P8G8	June 2054	
BZ	1,406,643								
CV	767,775								
CZ	940,770								
DV	98,010								
DZ	120,094								
Combination 5									
BV	\$ 1,147,981	VA	\$ 2,013,766	SEQ/AD	5.50%	FIX	38384P8H6	May 2035	
CV	767,775								
DV	98,010								

REMIC Securities			MX Securities						
Class	Original Class Principal Balance or Class Notional Balance	Related MX Class	Maximum Original Balance or Class Notional Balance(2)	Principal Type(3)	Interest Rate	Interest Type(3)	CUSIP Number	Final Distribution Date(4)	
Combination 6									
BZ	\$ 1,406,643	ZA	\$ 2,467,507	SEQ	5.50%	FIX/Z	38384P8J2	June 2054	
CZ	940,770								
DZ	120,094								
<b>Security Group 3</b>									
Combination 7									
HV	\$ 11,224,666	HL	\$ 23,586,411	SEQ	6.00%	FIX	38384P8K9	June 2054	
HZ	12,361,745								
<b>Security Group 5</b>									
Combination 8									
GB	\$ 28,792,866	G	\$ 34,426,161	SEQ	5.50%	FIX	38384P8L7	June 2049	
GM	5,633,295								
<b>Security Group 8</b>									
Combination 9									
TH	\$ 50,000,000	HF	\$ 50,000,000	PT	(5)	FLT	38384QAW8	June 2054	
XF	50,000,000								
Combination 10									
HS	\$ 50,000,000	SI	\$ 50,000,000	NTL(PT)	(5)	INV/IO	38384QAX6	June 2054	
TH	50,000,000								
<b>Security Group 9</b>									
Combination 11									
FJ	\$ 57,500,739	PF	\$ 57,500,739	PAC/AD	(5)	FLT	38384QAY4	May 2064	
JT	57,500,739								
Combination 12									
FJ	\$ 57,500,739	FP	\$ 57,500,739	PAC/AD	(5)	FLT	38384QAZ1	May 2064	
JT	57,500,739								
TP	57,500,739								
Combination 13									
JT	\$ 57,500,739	SJ	\$ 57,500,739	NTL(PAC/AD)	(5)	INV/IO	38384QBA5	May 2064	
SP	57,500,739								
TP	57,500,739								

REMIC Securities

MX Securities

Class	Original Class		Related MX Class	Maximum Original Class		Principal Type(3)	Interest Rate	Interest Type(3)	CUSIP Number	Final Distribution Date(4)
	Principal Balance	Notional Balance		Principal Balance	Notional Balance(2)					
Combination 14										
SP	\$ 57,500,739		PS	\$ 57,500,739		NTL(PAC/AD)	(5)	INV/IO	38384QBB3	May 2064
TP	57,500,739									
<b>Security Group 10</b>										
Combination 15										
AN	\$ 16,933,074		MA	\$ 39,017,957		SC/SEQ	4.50%	FIX	38384QBC1	February 2041
KA	2,731,220									
NA	19,353,663									
Combination 16										
LK	\$ 316,214		ML	\$ 5,750,981		SC/SEQ	4.50%	FIX	38384QBD9	February 2041
LN	3,194,046									
NL	2,240,721									
<b>Security Group 11</b>										
Combination 17										
Q	\$110,910,750		T	\$133,957,354		SEQ	5.50%	FIX	38384QBE7	August 2051
W	23,046,604									
Combination 18										
QV	\$ 13,850,922		VT	\$ 16,789,555		SEQ/AD	5.50%	FIX	38384QBF4	May 2035
WV	2,938,633									
Combination 19										
QZ	\$ 16,971,799		ZT	\$ 20,572,563		SEQ	5.50%	FIX/Z	38384QBG2	June 2054
WZ	3,600,764									
Combination 20										
QF	\$141,733,470		FT	\$171,319,470		PT	(5)	FLT	38384QBH0	June 2054
WF	29,586,000									
Combination 21										
QF	\$141,733,470		FK	\$171,319,470		PT	(5)	FLT	38384QBJ6	June 2054
QT	141,733,470									
TW	29,586,000									
WF	29,586,000									

REMIC Securities

MX Securities

Class	Original Class		Related MX Class	Maximum Original Class		Principal Type(3)	Interest Rate	Interest Type(3)	CUSIP Number	Final Distribution Date(4)
	Principal Balance or Class Notional Balance	Notional Balance		Principal Balance or Class Notional Balance(2)	Balance(2)					
Combination 22										
QF	\$141,733,470	\$141,733,470	FW	\$171,319,470	PT	(5)	FLT	38384QBK3	June 2054	
QT	141,733,470	141,733,470								
TQ	141,733,470	141,733,470								
TW	29,586,000	29,586,000								
WF	29,586,000	29,586,000								
WT	29,586,000	29,586,000								
Combination 23										
SQ	\$141,733,470	\$141,733,470	SK	\$141,733,470	NTL(PT)	(5)	INV/IO	38384QBL1	June 2054	
TQ	141,733,470	141,733,470								
Combination 24										
QT	\$141,733,470	\$141,733,470	QS	\$141,733,470	NTL(PT)	(5)	INV/IO	38384QBM9	June 2054	
SQ	141,733,470	141,733,470								
TQ	141,733,470	141,733,470								
Combination 25										
SW	\$ 29,586,000	\$ 29,586,000	XS	\$ 29,586,000	NTL(PT)	(5)	INV/IO	38384QBN7	June 2054	
WT	29,586,000	29,586,000								
Combination 26										
SW	\$ 29,586,000	\$ 29,586,000	WS	\$ 29,586,000	NTL(PT)	(5)	INV/IO	38384QBP2	June 2054	
TW	29,586,000	29,586,000								
WT	29,586,000	29,586,000								
<b>Security Group 12</b>										
Combination 27										
CS	\$100,000,000	\$100,000,000	AS	\$100,000,000	NTL(PT)	(5)	INV/IO	38384QBQ0	June 2054	
TA	100,000,000	100,000,000								
TI	100,000,000	100,000,000								
Combination 28										
AF	\$100,000,000	\$100,000,000	BF	\$100,000,000	PT	(5)	FLT	38384QBR8	June 2054	
TA	100,000,000	100,000,000								
Combination 29										
CS	\$100,000,000	\$100,000,000	BS	\$100,000,000	NTL(PT)	(5)	INV/IO	38384QBS6	June 2054	
TI	100,000,000	100,000,000								

REMIC Securities			MX Securities					
Class	Original Class Principal Balance or Class Notional Balance	Related MX Class	Maximum Original Balance or Class Notional Balance(2)	Principal Type(3)	Interest Rate	Interest Type(3)	CUSIP Number	Final Distribution Date(4)
Combination 30								
AF	\$100,000,000	CF	\$100,000,000	PT	(5)	FLT	38384QBT4	June 2054
TA	100,000,000							
TI	100,000,000							
Combination 31								
AF	\$100,000,000	AT	\$100,000,000	PT	6.50%	FIX	38384QBU1	June 2054
CS	100,000,000							
TA	100,000,000							
TI	100,000,000							
<b>Security Group 13</b>								
Combination 32								
BT	\$100,000,000	DS	\$100,000,000	NTL(PT)	(5)	INV/IO	38384QBV9	June 2054
SG	100,000,000							
TB	100,000,000							
Combination 33								
BT	\$100,000,000	GF	\$100,000,000	PT	(5)	FLT	38384QBW7	June 2054
DF	100,000,000							
Combination 34								
SG	\$100,000,000	GS	\$100,000,000	NTL(PT)	(5)	INV/IO	38384QBX5	June 2054
TB	100,000,000							
Combination 35								
BT	\$100,000,000	FG	\$100,000,000	PT	(5)	FLT	38384QBY3	June 2054
DF	100,000,000							
TB	100,000,000							
Combination 36								
BT	\$100,000,000	DT	\$100,000,000	PT	6.50%	FIX	38384QBZ0	June 2054
DF	100,000,000							
SG	100,000,000							
TB	100,000,000							

REMIC Securities

MX Securities

Class	Original Class		Related MX Class	Maximum Original Class		Principal Type(3)	Interest Rate	Interest Type(3)	CUSIP Number	Final Distribution Date(4)
	Principal Balance	Notional Balance		Principal Balance	Notional Balance(2)					
<b>Security Group 14</b>										
Combination 37										
IT	\$100,000,000		JS	\$100,000,000		NTL(PT)	(5)	INV/IO	38384QCA4	June 2054
LS	100,000,000									
TJ	100,000,000									
Combination 38										
IT	\$100,000,000		FL	\$100,000,000		PT	(5)	FLT	38384QCB2	June 2054
JF	100,000,000									
Combination 39										
LS	\$100,000,000		SL	\$100,000,000		NTL(PT)	(5)	INV/IO	38384QCC0	June 2054
TJ	100,000,000									
Combination 40										
IT	\$100,000,000		LF	\$100,000,000		PT	(5)	FLT	38384QCD8	June 2054
JF	100,000,000									
TJ	100,000,000									
Combination 41										
IT	\$100,000,000		CT	\$100,000,000		PT	6.50%	FIX	38384QCE6	June 2054
JF	100,000,000									
LS	100,000,000									
TJ	100,000,000									
<b>Security Group 15</b>										
Combination 42										
TS	\$100,000,000		SM	\$100,000,000		NTL(PT)	(5)	INV/IO	38384QCF3	June 2054
TX	100,000,000									
XT	100,000,000									
Combination 43										
FM	\$100,000,000		FX	\$100,000,000		PT	(5)	FLT	38384QCG1	June 2054
TX	100,000,000									
Combination 44										
TS	\$100,000,000		SX	\$100,000,000		NTL(PT)	(5)	INV/IO	38384QCH9	June 2054
XT	100,000,000									



REMIC Securities			MX Securities					
Class	Original Class Principal Balance or Class Notional Balance	Related MX Class	Maximum Original Balance or Class Notional Balance(2)	Principal Type(3)	Interest Rate	Interest Type(3)	CUSIP Number	Final Distribution Date(4)
Combination 45								
FM	\$100,000,000	TF	\$100,000,000	PT	(5)	FLT	38384QCJ5	June 2054
TX	100,000,000							
XT	100,000,000							
Combination 46								
FM	\$100,000,000	MT	\$100,000,000	PT	6.50%	FIX	38384QCK2	June 2054
TS	100,000,000							
TX	100,000,000							
XT	100,000,000							
<b>Security Groups 12, 13, 14 and 15</b>								
Combination 47(6)								
AF	\$100,000,000	VF	\$400,000,000	PT	(5)	FLT	38384QCL0	June 2054
DF	100,000,000							
FM	100,000,000							
JF	100,000,000							
Combination 48(6)								
AS(7)	\$100,000,000	SV	\$400,000,000	NTL(PT)	(5)	INV/IO	38384QCM8	June 2054
DS(7)	100,000,000							
JS(7)	100,000,000							
SM(7)	100,000,000							
Combination 49(6)								
BF(7)	\$100,000,000	SF	\$400,000,000	PT	(5)	FLT	38384QCN6	June 2054
FL(7)	100,000,000							
FX(7)	100,000,000							
GF(7)	100,000,000							
Combination 50(6)								
BS(7)	\$100,000,000	IS	\$400,000,000	NTL(PT)	(5)	INV/IO	38384QCP1	June 2054
GS(7)	100,000,000							
SL(7)	100,000,000							
SX(7)	100,000,000							

REMIC Securities

MX Securities

Class	Original Class		Related MX Class	Maximum Original Class		Principal Type(3)	Interest Rate	Interest Type(3)	CUSIP Number	Final Distribution Date(4)
	Principal Balance or Class Notional Balance	Notional Balance		Principal Balance or Class Notional Balance(2)	Balance(2)					
Combination 51(6)										
CF(7)	\$100,000,000		FQ	\$400,000,000		PT	(5)	FLT	38384QCC9	June 2054
FG(7)	100,000,000									
LF(7)	100,000,000									
TF(7)	100,000,000									
Combination 52(6)										
CS	\$100,000,000		SU	\$400,000,000		NTL(PT)	(5)	INV/IO	38384QCR7	June 2054
LS	100,000,000									
SG	100,000,000									
TS	100,000,000									
<b>Security Group 16</b>										
Combination 53(8)										
FY	\$ 65,351,711		AM	\$ 65,351,711		PAC/AD	3.50%	FIX	38384QCS5	May 2064
MS	65,351,711		BM	65,351,711		PAC/AD	4.00	FIX	38384QCT3	May 2064
TM	65,351,711		CM	65,351,711		PAC/AD	4.50	FIX	38384QCU0	May 2064
			DM	65,351,711		PAC/AD	5.00	FIX	38384QCV8	May 2064
			EM	65,351,711		PAC/AD	5.50	FIX	38384QCW6	May 2064
			HM	65,351,711		PAC/AD	6.00	FIX	38384QCX4	May 2064
			IM	30,162,328		NTL(PAC/AD)	6.50	FIX/IO	38384QCY2	May 2064
			JM	65,351,711		PAC/AD	6.50	FIX	38384QCZ9	May 2064
Combination 54										
FY	\$ 65,351,711		ME	\$ 65,351,711		PAC/AD	6.50%	FIX	38384QDA3	May 2064
MS	65,351,711									
TM	65,351,711									
Combination 55										
FY	\$ 65,351,711		MF	\$ 65,351,711		PAC/AD	(5)	FLT	38384QDB1	May 2064
TM	65,351,711									
Combination 56										
MS	\$ 65,351,711		SY	\$ 65,351,711		NTL(PAC/AD)	(5)	INV/IO	38384QDC9	May 2064
TM	65,351,711									

REMIC Securities

MX Securities

Class	Original Class		Related MX Class	Maximum Original Class		Principal Type(3)	Interest Rate	Interest Type(3)	CUSIP Number	Final Distribution Date(4)
	Principal Balance	Notional Balance		Principal Balance	Notional Balance(2)					
<b>Security Group 17</b>										
Combination 57										
AB	\$ 93,921,138		AC	\$ 103,117,699		SEQ/AD	2.50%	FIX	38384QDD7	December 2047
AZ	9,196,561									
Combination 58										
AB	\$ 93,921,138		AD	\$ 110,965,228		SEQ/AD	2.50%	FIX	38384QDE5	February 2050
AZ	9,196,561									
EZ	7,847,529									
Combination 59										
AB	\$ 93,921,138		AE	\$ 117,599,792		SEQ/AD	2.50%	FIX	38384QDF2	December 2051
AZ	9,196,561									
EZ	7,847,529									
JZ	6,634,564									
Combination 60										
AZ	\$ 9,196,561		ZK	\$ 32,433,796		SEQ	2.50%	FIX/Z	38384QDG0	June 2054
EZ	7,847,529									
JZ	6,634,564									
KZ	8,755,142									
Combination 61										
EZ	\$ 7,847,529		ZE	\$ 23,237,235		SEQ	2.50%	FIX/Z	38384QDH8	June 2054
JZ	6,634,564									
KZ	8,755,142									
Combination 62										
JZ	\$ 6,634,564		ZJ	\$ 15,389,706		SEQ	2.50%	FIX/Z	38384QDJ4	June 2054
KZ	8,755,142									
<b>Security Group 18</b>										
Combination 63										
NB	\$ 87,330,622		NC	\$ 95,853,846		SEQ/AD	3.00%	FIX	38384QDK1	November 2046
NZ	8,523,224									
Combination 64										
NB	\$ 87,330,622		ND	\$ 103,157,223		SEQ/AD	3.00%	FIX	38384QDL9	February 2049
NZ	8,523,224									
ZB	7,303,377									

REMIC Securities		MX Securities						
Class	Original Class Principal Balance or Class Notional Balance	Related MX Class	Maximum Original Class Principal Balance or Class Notional Balance(2)	Principal Type(3)	Interest Rate	Interest Type(3)	CUSIP Number	Final Distribution Date(4)
Combination 65								
NB	\$ 87,330,622	NE	\$ 109,376,229	SEQ/AD	3.00%	FIX	383884QDM7	January 2051
NZ	8,523,224							
ZB	7,303,377							
ZC	6,219,006							
Combination 66								
NZ	\$ 8,523,224	ZN	\$ 32,537,787	SEQ	3.00%	FIX/Z	383884QDN5	June 2054
ZB	7,303,377							
ZC	6,219,006							
ZD	10,492,180							
Combination 67								
ZB	\$ 7,303,377	ZU	\$ 24,014,563	SEQ	3.00%	FIX/Z	383884QDP0	June 2054
ZC	6,219,006							
ZD	10,492,180							
Combination 68								
ZC	\$ 6,219,006	UZ	\$ 16,711,186	SEQ	3.00%	FIX/Z	383884QDQ8	June 2054
ZD	10,492,180							

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

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

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

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

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

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

(7) MX Class.

(8) In the case of Combination 53, various subcombinations are permitted. See "Description of the Securities — Modification and Exchange" in the Base Offering Circular for a discussion of subcombinations.

**Schedule II**

**SCHEDULED PRINCIPAL BALANCES**

<u>Distribution Date</u>	<u>Class FJ</u>	<u>Class FY</u>
Initial Balance . . . . .	\$57,500,739.00	\$65,351,711.00
July 2024 . . . . .	57,086,450.54	65,130,610.12
August 2024 . . . . .	56,638,437.46	64,890,940.57
September 2024 . . . . .	56,156,994.15	64,632,736.02
October 2024 . . . . .	55,642,461.04	64,356,041.52
November 2024 . . . . .	55,095,224.19	64,060,913.56
December 2024 . . . . .	54,515,714.90	63,747,420.02
January 2025 . . . . .	53,904,409.07	63,415,640.13
February 2025 . . . . .	53,261,826.57	63,065,664.49
March 2025 . . . . .	52,588,530.42	62,697,594.94
April 2025 . . . . .	51,885,125.94	62,311,544.55
May 2025 . . . . .	51,152,273.13	61,907,637.56
June 2025 . . . . .	50,391,083.50	61,486,009.22
July 2025 . . . . .	49,603,600.00	61,046,805.79
August 2025 . . . . .	48,790,721.80	60,590,184.33
September 2025 . . . . .	47,953,241.29	60,116,312.65
October 2025 . . . . .	47,091,908.60	59,625,404.43
November 2025 . . . . .	46,207,548.16	59,117,647.84
December 2025 . . . . .	45,300,972.21	58,593,252.22
January 2026 . . . . .	44,373,385.68	58,052,621.68
February 2026 . . . . .	43,425,847.00	57,496,005.11
March 2026 . . . . .	42,462,413.02	56,923,640.29
April 2026 . . . . .	41,489,260.07	56,336,199.60
May 2026 . . . . .	40,512,033.46	55,734,126.33
June 2026 . . . . .	39,534,676.73	55,117,662.84
July 2026 . . . . .	38,559,779.56	54,487,547.92
August 2026 . . . . .	37,593,675.69	53,845,047.66
September 2026 . . . . .	36,637,106.44	53,196,289.18
October 2026 . . . . .	35,690,069.06	52,544,100.94
November 2026 . . . . .	34,754,587.64	51,893,329.15
December 2026 . . . . .	33,830,701.99	51,245,299.82
January 2027 . . . . .	32,918,227.60	50,599,987.08
February 2027 . . . . .	32,016,982.63	49,957,365.19
March 2027 . . . . .	31,126,787.80	49,317,408.53
April 2027 . . . . .	30,247,466.41	48,680,091.60
May 2027 . . . . .	29,378,844.27	48,045,389.04
June 2027 . . . . .	28,520,749.69	47,413,275.57
July 2027 . . . . .	27,673,013.39	46,783,726.08
August 2027 . . . . .	26,835,468.51	46,156,715.53
September 2027 . . . . .	26,007,950.59	45,532,219.03
October 2027 . . . . .	25,190,297.46	44,910,211.79
November 2027 . . . . .	24,382,349.30	44,290,669.13
December 2027 . . . . .	23,583,948.51	43,673,566.49
January 2028 . . . . .	22,794,939.77	43,058,879.44
February 2028 . . . . .	22,019,800.36	42,446,583.62

<u>Distribution Date</u>	<u>Class FJ</u>	<u>Class FY</u>
March 2028	\$21,270,951.97	\$41,836,654.82
April 2028	20,547,504.71	41,229,068.93
May 2028	19,848,598.75	40,623,801.93
June 2028	19,173,403.32	40,020,829.93
July 2028	18,521,115.71	39,420,129.14
August 2028	17,890,960.36	38,821,675.86
September 2028	17,282,187.92	38,225,446.52
October 2028	16,694,074.36	37,631,417.64
November 2028	16,125,920.13	37,039,565.85
December 2028	15,577,049.31	36,449,867.86
January 2029	15,046,808.86	35,862,300.52
February 2029	14,534,567.80	35,276,840.75
March 2029	14,039,716.47	34,693,465.58
April 2029	13,561,665.85	34,112,152.13
May 2029	13,099,846.80	33,532,877.63
June 2029	12,653,709.47	32,955,619.40
July 2029	12,222,722.57	32,380,354.85
August 2029	11,806,372.78	31,807,061.49
September 2029	11,404,164.14	31,235,716.93
October 2029	11,015,617.49	30,666,298.87
November 2029	10,640,269.83	30,098,785.10
December 2029	10,277,673.87	29,533,153.49
January 2030	9,927,397.41	28,969,382.01
February 2030	9,589,022.88	28,407,448.74
March 2030	9,262,146.86	27,855,810.97
April 2030	8,946,379.55	27,314,779.55
May 2030	8,641,344.35	26,784,151.88
June 2030	8,346,677.40	26,263,729.23
July 2030	8,062,027.15	25,753,316.64
August 2030	7,787,053.94	25,252,722.87
September 2030	7,521,429.64	24,761,760.30
October 2030	7,264,837.17	24,280,244.89
November 2030	7,016,970.22	23,807,996.09
December 2030	6,777,532.84	23,344,836.81
January 2031	6,546,239.08	22,890,593.29
February 2031	6,322,812.70	22,445,095.11
March 2031	6,106,986.78	22,008,175.07
April 2031	5,898,503.46	21,579,669.17
May 2031	5,697,113.60	21,159,416.52
June 2031	5,502,576.50	20,747,259.29
July 2031	5,314,659.60	20,343,042.66
August 2031	5,133,138.22	19,946,614.76
September 2031	4,957,795.29	19,557,826.58
October 2031	4,788,421.10	19,176,532.00
November 2031	4,624,813.03	18,802,587.64
December 2031	4,466,775.33	18,435,852.85
January 2032	4,314,118.88	18,076,189.69
February 2032	4,166,660.96	17,723,462.81
March 2032	4,024,225.04	17,377,539.47

<u>Distribution Date</u>	<u>Class FJ</u>	<u>Class FY</u>
April 2032	\$ 3,886,640.58	\$17,038,289.42
May 2032	3,753,742.82	16,705,584.92
June 2032	3,625,372.56	16,379,300.66
July 2032	3,501,376.03	16,059,313.71
August 2032	3,381,604.64	15,745,503.47
September 2032	3,265,914.85	15,437,751.66
October 2032	3,154,167.98	15,135,942.23
November 2032	3,046,230.05	14,839,961.37
December 2032	2,941,971.64	14,549,697.42
January 2033	2,841,267.69	14,265,040.84
February 2033	2,743,997.39	13,985,884.19
March 2033	2,650,044.03	13,712,122.07
April 2033	2,559,294.85	13,443,651.10
May 2033	2,471,640.93	13,180,369.87
June 2033	2,386,977.02	12,922,178.88
July 2033	2,305,201.46	12,668,980.55
August 2033	2,226,216.03	12,420,679.15
September 2033	2,149,925.84	12,177,180.79
October 2033	2,076,239.21	11,938,393.34
November 2033	2,005,067.58	11,704,226.46
December 2033	1,936,325.41	11,474,591.52
January 2034	1,869,930.03	11,249,401.56
February 2034	1,805,801.60	11,028,571.31
March 2034	1,743,862.98	10,812,017.11
April 2034	1,684,039.64	10,599,656.91
May 2034	1,626,259.60	10,391,410.19
June 2034	1,570,453.31	10,187,198.01
July 2034	1,516,553.58	9,986,942.91
August 2034	1,464,495.49	9,790,568.91
September 2034	1,414,216.35	9,598,001.49
October 2034	1,365,655.59	9,409,167.55
November 2034	1,318,754.67	9,223,995.38
December 2034	1,273,457.09	9,042,414.63
January 2035	1,229,708.21	8,864,356.31
February 2035	1,187,455.29	8,689,752.75
March 2035	1,146,647.36	8,518,537.54
April 2035	1,107,235.19	8,350,645.58
May 2035	1,069,171.22	8,186,012.99
June 2035	1,032,409.50	8,024,577.11
July 2035	996,905.65	7,866,276.48
August 2035	962,616.79	7,711,050.81
September 2035	929,501.50	7,558,840.98
October 2035	897,519.78	7,409,588.96
November 2035	866,632.97	7,263,237.88
December 2035	836,803.74	7,119,731.91
January 2036	807,996.01	6,979,016.32
February 2036	780,174.94	6,841,037.41
March 2036	753,306.88	6,705,742.51
April 2036	727,359.32	6,573,079.95

<u>Distribution Date</u>	<u>Class FJ</u>	<u>Class FY</u>
May 2036	\$ 702,300.84	\$ 6,442,999.05
June 2036	678,101.12	6,315,450.12
July 2036	654,730.83	6,190,384.39
August 2036	632,161.67	6,067,754.03
September 2036	610,366.30	5,947,512.15
October 2036	589,318.29	5,829,612.71
November 2036	568,992.13	5,714,010.60
December 2036	549,363.18	5,600,661.53
January 2037	530,407.61	5,489,522.09
February 2037	512,102.42	5,380,549.69
March 2037	494,425.41	5,273,702.54
April 2037	477,355.11	5,168,939.67
May 2037	460,870.79	5,066,220.88
June 2037	444,952.42	4,965,506.75
July 2037	429,580.66	4,866,758.62
August 2037	414,736.84	4,769,938.54
September 2037	400,402.89	4,675,009.32
October 2037	386,561.39	4,581,934.46
November 2037	373,195.49	4,490,678.18
December 2037	360,288.94	4,401,205.36
January 2038	347,826.02	4,313,481.57
February 2038	335,791.55	4,227,473.03
March 2038	324,170.88	4,143,146.62
April 2038	312,949.85	4,060,469.85
May 2038	302,114.78	3,979,410.83
June 2038	291,652.46	3,899,938.32
July 2038	281,550.13	3,822,021.65
August 2038	271,795.46	3,745,630.75
September 2038	262,376.56	3,670,736.11
October 2038	253,281.92	3,597,308.82
November 2038	244,500.44	3,525,320.48
December 2038	236,021.39	3,454,743.28
January 2039	227,834.40	3,385,549.91
February 2039	219,929.48	3,317,713.59
March 2039	212,296.95	3,251,208.06
April 2039	204,927.47	3,186,007.57
May 2039	197,812.04	3,122,086.85
June 2039	190,941.94	3,059,421.12
July 2039	184,308.75	2,997,986.07
August 2039	177,904.35	2,937,757.88
September 2039	171,720.90	2,878,713.16
October 2039	165,750.82	2,820,828.99
November 2039	159,986.77	2,764,082.86
December 2039	154,421.70	2,708,452.72
January 2040	149,048.77	2,653,916.94
February 2040	143,861.39	2,600,454.29
March 2040	138,853.19	2,548,043.97
April 2040	134,018.01	2,496,665.57
May 2040	129,349.91	2,446,299.05



<u>Distribution Date</u>	<u>Class FJ</u>	<u>Class FY</u>
June 2040	\$ 124,843.15	\$ 2,396,924.79
July 2040	120,492.19	2,348,523.54
August 2040	116,291.67	2,301,076.39
September 2040	112,236.43	2,254,564.83
October 2040	108,321.48	2,208,970.69
November 2040	104,541.98	2,164,276.14
December 2040	100,893.28	2,120,463.72
January 2041	97,370.88	2,077,516.28
February 2041	93,970.44	2,035,417.01
March 2041	90,687.77	1,994,149.42
April 2041	87,518.80	1,953,697.35
May 2041	84,459.63	1,914,044.93
June 2041	81,506.48	1,875,176.62
July 2041	78,655.69	1,837,077.14
August 2041	75,903.75	1,799,731.56
September 2041	73,247.25	1,763,125.18
October 2041	70,682.89	1,727,243.63
November 2041	68,207.52	1,692,072.79
December 2041	65,818.05	1,657,598.81
January 2042	63,511.53	1,623,808.13
February 2042	61,285.10	1,590,687.43
March 2042	59,136.00	1,558,223.65
April 2042	57,061.56	1,526,403.99
May 2042	55,059.20	1,495,215.89
June 2042	53,126.44	1,464,647.04
July 2042	51,260.88	1,434,685.35
August 2042	49,460.20	1,405,318.98
September 2042	47,722.16	1,376,536.32
October 2042	46,044.59	1,348,325.96
November 2042	44,425.41	1,320,676.74
December 2042	42,862.60	1,293,577.71
January 2043	41,354.22	1,267,018.10
February 2043	39,898.37	1,240,987.39
March 2043	38,493.25	1,215,475.24
April 2043	37,137.10	1,190,471.51
May 2043	35,828.24	1,165,966.26
June 2043	34,565.01	1,141,949.74
July 2043	33,345.85	1,118,412.40
August 2043	32,169.23	1,095,344.86
September 2043	31,033.68	1,072,737.93
October 2043	29,937.78	1,050,582.58
November 2043	28,880.15	1,028,869.98
December 2043	27,859.46	1,007,591.46
January 2044	26,874.45	986,738.51
February 2044	25,923.86	966,302.79
March 2044	25,006.52	946,276.12
April 2044	24,121.26	926,650.49
May 2044	23,266.98	907,418.03
June 2044	22,442.59	888,571.04

<u>Distribution Date</u>	<u>Class FJ</u>	<u>Class FY</u>
July 2044	\$ 21,647.07	\$ 870,101.93
August 2044	20,879.41	852,003.31
September 2044	20,138.64	834,267.89
October 2044	19,423.84	816,888.54
November 2044	18,734.09	799,858.28
December 2044	18,068.53	783,170.23
January 2045	17,426.32	766,817.68
February 2045	16,806.65	750,794.03
March 2045	16,208.73	735,092.82
April 2045	15,631.81	719,707.69
May 2045	15,075.15	704,632.44
June 2045	14,538.06	689,860.96
July 2045	14,019.85	675,387.27
August 2045	13,519.86	661,205.50
September 2045	13,037.46	647,309.92
October 2045	12,572.04	633,694.88
November 2045	12,123.01	620,354.84
December 2045	11,689.79	607,284.39
January 2046	11,271.83	594,478.21
February 2046	10,868.60	581,931.09
March 2046	10,479.59	569,637.91
April 2046	10,104.31	557,593.67
May 2046	9,742.26	545,793.44
June 2046	9,393.00	534,232.40
July 2046	9,056.07	522,905.84
August 2046	8,731.07	511,809.11
September 2046	8,417.55	500,937.67
October 2046	8,115.12	490,287.07
November 2046	7,823.38	479,852.93
December 2046	7,541.97	469,630.98
January 2047	7,270.52	459,617.01
February 2047	7,008.68	449,806.90
March 2047	6,756.13	440,196.61
April 2047	6,512.52	430,782.18
May 2047	6,277.55	421,559.74
June 2047	6,050.92	412,525.47
July 2047	5,832.33	403,675.64
August 2047	5,621.51	395,006.59
September 2047	5,418.18	386,514.74
October 2047	5,222.07	378,196.55
November 2047	5,032.93	370,048.59
December 2047	4,850.53	362,067.46
January 2048	4,674.61	354,249.86
February 2048	4,504.97	346,592.53
March 2048	4,341.36	339,092.27
April 2048	4,183.59	331,745.98
May 2048	4,031.44	324,550.57
June 2048	3,884.72	317,503.05
July 2048	3,743.24	310,600.46

<u>Distribution Date</u>	<u>Class FJ</u>	<u>Class FY</u>
August 2048	\$ 3,606.82	\$ 303,839.93
September 2048	3,475.27	297,218.61
October 2048	3,348.42	290,733.72
November 2048	3,226.11	284,382.56
December 2048	3,108.17	278,162.44
January 2049	2,994.46	272,070.75
February 2049	2,884.83	266,104.92
March 2049	2,779.12	260,262.44
April 2049	2,677.21	254,540.84
May 2049	2,578.95	248,937.70
June 2049	2,484.23	243,450.66
July 2049	2,392.90	238,077.38
August 2049	2,304.86	232,815.59
September 2049	2,219.99	227,663.05
October 2049	2,138.17	222,617.58
November 2049	2,059.30	217,677.03
December 2049	1,983.27	212,839.28
January 2050	1,909.98	208,102.29
February 2050	1,839.34	203,464.02
March 2050	1,771.24	198,922.49
April 2050	1,705.61	194,475.76
May 2050	1,642.35	190,121.91
June 2050	1,581.38	185,859.09
July 2050	1,522.61	181,685.46
August 2050	1,465.98	177,599.23
September 2050	1,411.39	173,598.62
October 2050	1,358.79	169,681.92
November 2050	1,308.09	165,847.44
December 2050	1,259.24	162,093.51
January 2051	1,212.16	158,418.52
February 2051	1,166.79	154,820.86
March 2051	1,123.08	151,298.97
April 2051	1,080.95	147,851.32
May 2051	1,040.37	144,476.42
June 2051	1,001.26	141,172.78
July 2051	963.58	137,938.97
August 2051	927.27	134,773.57
September 2051	892.30	131,675.19
October 2051	858.60	128,642.48
November 2051	826.14	125,674.11
December 2051	794.86	122,768.76
January 2052	764.74	119,925.16
February 2052	735.72	117,142.05
March 2052	707.76	114,418.20
April 2052	680.83	111,752.41
May 2052	654.90	109,143.50
June 2052	629.91	106,590.31
July 2052	605.85	104,091.69
August 2052	582.68	101,646.55

<u>Distribution Date</u>	<u>Class FJ</u>	<u>Class FY</u>
September 2052	\$ 560.36	\$ 99,253.79
October 2052	538.87	96,912.33
November 2052	518.17	94,621.14
December 2052	498.24	92,379.18
January 2053	479.05	90,185.45
February 2053	460.56	88,038.96
March 2053	442.77	85,938.75
April 2053	425.63	83,883.86
May 2053	409.14	81,873.37
June 2053	393.25	79,906.37
July 2053	377.96	77,981.96
August 2053	363.24	76,099.27
September 2053	349.07	74,257.44
October 2053	335.43	72,455.63
November 2053	322.30	70,693.03
December 2053	309.66	68,968.81
January 2054	297.50	67,282.20
February 2054	285.79	65,632.42
March 2054	274.52	64,018.70
April 2054	263.68	62,440.30
May 2054	253.24	60,896.49
June 2054	243.20	59,386.56
July 2054	233.54	57,909.81
August 2054	224.24	56,465.55
September 2054	215.30	55,053.10
October 2054	206.69	53,671.81
November 2054	198.41	52,321.04
December 2054	190.45	51,000.14
January 2055	182.78	49,708.50
February 2055	175.41	48,445.50
March 2055	168.32	47,210.56
April 2055	161.50	46,003.09
May 2055	154.95	44,822.52
June 2055	148.64	43,668.28
July 2055	142.57	42,539.83
August 2055	136.74	41,436.62
September 2055	131.13	40,358.14
October 2055	125.74	39,303.85
November 2055	120.56	38,273.27
December 2055	115.57	37,265.88
January 2056	110.78	36,281.21
February 2056	106.18	35,318.78
March 2056	101.75	34,378.11
April 2056	97.50	33,458.76
May 2056	93.41	32,560.27
June 2056	89.48	31,682.21
July 2056	85.70	30,824.14
August 2056	82.07	29,985.64
September 2056	78.59	29,166.31

<u>Distribution Date</u>	<u>Class FJ</u>	<u>Class FY</u>
October 2056	\$ 75.24	\$ 28,365.72
November 2056	72.02	27,583.50
December 2056	68.93	26,819.24
January 2057	65.96	26,072.58
February 2057	63.11	25,343.13
March 2057	60.37	24,630.53
April 2057	57.74	23,934.42
May 2057	55.21	23,254.46
June 2057	52.79	22,590.29
July 2057	50.46	21,941.58
August 2057	48.23	21,308.01
September 2057	46.08	20,689.24
October 2057	44.02	20,084.97
November 2057	42.05	19,494.88
December 2057	40.15	18,918.67
January 2058	38.33	18,356.04
February 2058	36.59	17,806.69
March 2058	34.91	17,270.36
April 2058	33.30	16,746.75
May 2058	31.76	16,235.58
June 2058	30.29	15,736.61
July 2058	28.87	15,249.93
August 2058	27.51	14,774.91
September 2058	26.21	14,311.28
October 2058	24.96	13,858.81
November 2058	23.76	13,417.25
December 2058	22.62	12,986.36
January 2059	21.52	12,565.91
February 2059	20.46	12,155.67
March 2059	19.46	11,755.43
April 2059	18.49	11,364.96
May 2059	17.56	10,984.06
June 2059	16.68	10,612.50
July 2059	15.83	10,250.09
August 2059	15.01	9,896.63
September 2059	14.24	9,551.92
October 2059	13.49	9,215.77
November 2059	12.78	8,887.99
December 2059	12.10	8,568.40
January 2060	11.45	8,256.81
February 2060	10.82	7,953.05
March 2060	10.23	7,656.95
April 2060	9.66	7,368.33
May 2060	9.12	7,087.04
June 2060	8.60	6,812.90
July 2060	8.10	6,545.76
August 2060	7.62	6,285.47
September 2060	7.17	6,031.87
October 2060	6.74	5,784.80

<u>Distribution Date</u>	<u>Class FJ</u>	<u>Class FY</u>
November 2060	\$ 6.32	\$ 5,544.14
December 2060	5.93	5,309.72
January 2061	5.55	5,081.42
February 2061	5.19	4,859.09
March 2061	4.85	4,642.60
April 2061	4.52	4,431.82
May 2061	4.21	4,226.62
June 2061	3.91	4,027.58
July 2061	3.63	3,833.84
August 2061	3.36	3,645.28
September 2061	3.10	3,461.80
October 2061	2.86	3,283.27
November 2061	2.63	3,109.59
December 2061	2.41	2,940.63
January 2062	2.20	2,776.30
February 2062	2.00	2,616.48
March 2062	1.82	2,461.08
April 2062	1.64	2,310.02
May 2062	1.47	2,163.30
June 2062	1.31	2,020.70
July 2062	1.16	1,882.15
August 2062	1.01	1,748.28
September 2062	0.88	1,618.90
October 2062	0.75	1,493.22
November 2062	0.63	1,371.14
December 2062	0.52	1,252.59
January 2063	0.41	1,137.48
February 2063	0.31	1,031.08
March 2063	0.21	927.78
April 2063	0.12	827.69
May 2063	0.04	730.75
June 2063	0.00	636.83
July 2063	0.00	546.64
August 2063	0.00	462.44
September 2063	0.00	382.54
October 2063	0.00	305.91
November 2063	0.00	232.97
December 2063	0.00	165.38
January 2064	0.00	106.77
February 2064	0.00	54.35
March 2064	0.00	25.60
April 2064	0.00	1.87
May 2064 and thereafter	0.00	0.00

Underlying Certificates

Trust Asset Subgroup	Issuer	Series	Class	Issue Date	CLISP Number	Interest Rate	Interest Type(I)	Final Distribution Date	Principal Type(I)	Original Principal Balance of Class	Underlying Certificate Factor(2)	Principal Balance in Trust	Percentage of Class in Trust	Ginnie Mae I or II
10A	Ginnie Mae	2009-031	ZL	May 29, 2009	38374TWL4	4.50%	FIX/Z	May 2039	SEQ	\$50,000,000	0.15145014	\$ 5,149,304.76	68.000000000000%	II
10A	Ginnie Mae	2009-040	XP(G)(4)	June 30, 2009	38374VTFB0	4.50	FIX	May 2039	SC/PAC	70,485,217	0.04243801	1,060,950.25	35.4684302100	II
10A	Ginnie Mae	2009-061	ZV	August 28, 2009	38376FCU4	4.50	FIX/Z	August 2039	SEQ	35,806,000	0.27055842	1,965,620.45	20.2900351896	II
10A	Ginnie Mae	2009-106	VZ	November 30, 2009	38376IBZ6	4.50	FIX/Z	November 2039	SEQ	45,436,000	0.24289105	459,064.08	4.1596971564	II
10A	Ginnie Mae	2009-118	UJ(3)	December 30, 2009	38376PTB6	4.50	FIX	December 2039	SEQ	29,464,989	0.15841612	81,901.13	1.7546247854	II
10A	Ginnie Mae	2009-123	AZ	December 30, 2009	38376PTL7	4.50	FIX/Z	December 2039	SEQ	16,000,000	0.28596351	412,359.38	9.0125000000	II
10A	Ginnie Mae	2009-125	GZ	December 30, 2009	38376PTF7	4.50	FIX/Z	December 2039	SEQ	30,000,000	0.25535015	1,069,151.08	13.9566666667	II
10A	Ginnie Mae	2010-030	CU	March 30, 2010	38376XWTF6	4.50	FIX	March 2040	SEQ	2,026,918	0.11756373	117,563.73	49.3359869516	II
10A	Ginnie Mae	2011-071	ZA(G)(5)	May 27, 2011	38377V3S3	4.50	FIX/Z	February 2041	SC/PT	32,866,997	0.34315485	11,278,469.43	100.0000000000	II
10B	Ginnie Mae	2009-040	LP	June 30, 2009	38374VAQ2	5.00	FIX	June 2039	PAC I	40,000,000	0.24318183	717,143.22	7.3725000000	II
10B	Ginnie Mae	2011-029	GZ(6)	February 28, 2011	38377QQF7	5.00	FIX/Z	April 2040	SC/SEQ	14,910,510	1.30372341	19,409,977.54	99.8497703969	II
10C	Ginnie Mae	2010-166	KB(3)	December 29, 2010	38377RK46	4.50	FIX	December 2040	PAC/AD	42,064,974	0.20316229	3,047,434.35	35.6591210540	I

- (1) As defined under "Class Types" in Appendix I to the Base Offering Circular.
- (2) Underlying Certificate Factors are as of June 2024.
- (3) MX Class.
- (4) Class XP is backed by previously issued Ginnie Mae MX certificate, MX Class L from 2009-029.
- (5) Class ZA is backed by previously issued Ginnie Mae REMIC certificate, REMIC Class AZ from 2011-022.
- (6) Class GZ is backed by previously issued Ginnie Mae REMIC certificate, REMIC Class PD from 2010-042.

Characteristics of the Mortgage Loans Underlying the Group 9 and 16 Trust Assets<sup>(1)</sup>

<u>Pool Number</u>	<u>Principal Balance</u>	<u>Weighted Average Remaining Term to Maturity (in months)</u>	<u>Weighted Average Loan Age (in months)</u>	<u>Weighted Average Mortgage Rate<sup>(2)</sup></u>
<b>Group 9 Trust Assets<sup>(3)</sup></b>				
BW5692 .....	\$ 407,352.75	478	2	7.375%
CM7043 .....	50,643.78	471	9	7.375
CP1672 .....	312,477.57	478	2	7.404
CP2791 .....	203,167.84	479	1	7.250
CP9447 .....	14,453.13	471	9	7.375
CQ3622 .....	136,602.25	473	7	7.625
CQ3627 .....	30,575.51	475	5	7.625
CQ3633 .....	316,096.72	479	1	7.250
CQ4596 .....	23,374.33	474	6	7.500
CQ6534 .....	1,389,010.48	449	18	7.522
CQ9029 .....	28,529.81	470	10	7.250
CQ9031 .....	102,210.32	469	10	7.250
CR0022 .....	41,829.35	462	18	7.500
CR3351 .....	187,836.32	455	19	7.546
CR3357 .....	142,669.69	447	19	7.554
CR3363 .....	77,180.99	461	19	7.625
CR3433 .....	25,175.01	462	18	7.500
CR5114 .....	82,156.39	462	18	7.449
CR5116 .....	103,300.29	462	18	7.375
CR9277 .....	233,197.65	441	18	7.521
CS3448 .....	27,975.58	462	18	7.625
CS4884 .....	23,558.73	429	18	7.500
CS5458 .....	410,037.52	460	18	7.514
CS7473 .....	340,449.38	426	18	7.500
CS8660 .....	602,451.68	470	10	7.250
CT4516 .....	196,319.24	471	9	7.250
CU0233 .....	238,571.70	456	18	7.528
CV1313 .....	59,389.50	472	8	7.625
CV1321 .....	26,938.65	471	9	7.625
CV1453 .....	783,973.60	471	9	7.507
CV1494 .....	30,956.56	461	19	7.500
CV2346 .....	723,318.46	475	5	7.500
CV3017 .....	142,089.49	469	11	7.250
CV3713 .....	110,360.72	471	9	7.287
CV5112 .....	93,941.97	466	14	7.250
CV7843 .....	87,135.30	471	9	7.500
CV7850 .....	31,119.33	471	9	7.250
CW0667 .....	28,690.86	460	20	7.250
CW0677 .....	363,816.60	458	19	7.527
CW0689 .....	87,857.20	470	10	7.250
CW4015 .....	2,949,017.03	474	5	7.466



<u>Pool Number</u>	<u>Principal Balance</u>	<u>Weighted Average Remaining Term to Maturity (in months)</u>	<u>Weighted Average Loan Age (in months)</u>	<u>Weighted Average Mortgage Rate<sup>(2)</sup></u>
CW4030 .....	\$ 924,874.02	472	5	7.447%
CW4077 .....	117,245.35	461	19	7.500
CW4082 .....	1,388,428.53	474	5	7.404
CW4093 .....	154,907.28	474	6	7.450
CW4100 .....	42,624.29	473	5	7.500
CW4104 .....	26,451.64	475	5	7.500
CW6513 .....	128,346.52	470	9	7.694
CW6612 .....	456,925.41	453	17	7.383
CW6619 .....	228,538.33	455	12	7.375
CW7225 .....	122,217.26	471	9	7.500
CW7493 .....	33,283.42	470	10	7.500
CW7540 .....	1,604,134.59	471	9	7.444
CW7543 .....	3,303,393.31	470	9	7.476
CW9237 .....	413,896.21	470	10	7.250
CW9285 .....	19,662.64	469	11	7.250
CW9357 .....	32,211.06	470	9	7.500
CW9554 .....	54,612.72	469	11	7.250
CW9751 .....	1,016,785.11	470	10	7.292
CW9865 .....	1,776,637.74	469	9	7.276
CX0596 .....	244,683.10	446	10	7.288
CX0849 .....	267,432.06	470	10	7.250
CX0853 .....	259,279.52	471	9	7.500
CX0907 .....	112,724.26	472	8	7.625
CX1389 .....	1,214,626.06	469	10	7.250
CX1400 .....	533,926.04	470	10	7.250
CX1472 .....	411,851.04	469	9	7.258
CX1479 .....	121,771.47	471	9	7.335
CX2354 .....	975,093.72	469	10	7.319
CX2806 .....	99,536.56	471	9	7.500
CX3904 .....	80,587.79	470	10	7.375
CX3924 .....	52,271.99	447	10	7.500
CX3953 .....	851,136.64	466	10	7.460
CX3974 .....	766,560.16	469	10	7.458
CX4356 .....	466,092.57	472	8	7.625
CX4506 .....	309,193.70	472	8	7.530
CX4780 .....	50,036.34	469	11	7.250
CX4844 .....	32,249.40	477	3	7.250
CX5003 .....	14,472.16	471	9	7.375
CX5416 .....	111,883.95	469	8	7.500
CX5567 .....	238,219.05	470	9	7.284
CX5794 .....	149,490.83	471	9	7.338
CX6616 .....	422,047.77	471	8	7.639
CX6629 .....	373,102.35	472	8	7.572
CX6630 .....	199,217.59	471	9	7.505
CX6772 .....	2,642,095.49	470	8	7.615
CX6783 .....	2,284,068.40	470	8	7.513

<u>Pool Number</u>	<u>Principal Balance</u>	<u>Weighted Average Remaining Term to Maturity (in months)</u>	<u>Weighted Average Loan Age (in months)</u>	<u>Weighted Average Mortgage Rate<sup>(2)</sup></u>
CX6797 .....	\$ 277,882.26	472	8	7.447%
CX7008 .....	48,841.58	469	10	7.375
CX7021 .....	601,878.54	467	12	7.279
CX8827 .....	124,711.10	473	7	7.625
CX8857 .....	540,718.44	472	8	7.585
CX8928 .....	1,924,942.56	470	8	7.553
CX8930 .....	233,631.37	471	8	7.521
CY0753 .....	62,388.80	471	9	7.353
CY0800 .....	36,545.71	475	5	7.500
CY0856 .....	1,535,846.57	473	6	7.382
CY1533 .....	5,538,397.28	473	5	7.454
CY2242 .....	92,592.59	473	7	7.250
CY2249 .....	75,063.21	472	8	7.250
CY2532 .....	1,211,525.03	460	9	7.552
CY2539 .....	3,270,183.55	465	7	7.572
CY3073 .....	66,383.97	473	7	7.625
CY3195 .....	79,007.71	471	9	7.500
CY3209 .....	136,558.24	472	8	7.602
CY4245 .....	163,119.75	464	16	7.392
CY4351 .....	1,173,129.00	470	8	7.382
CY4556 .....	130,254.25	471	9	7.463
CY4834 .....	300,146.22	473	7	7.537
CY6281 .....	407,202.72	471	9	7.374
CY6783 .....	124,543.92	472	8	7.511
CY6972 .....	90,823.04	407	8	7.625
CY7002 .....	50,232.03	475	5	7.625
CY7210 .....	24,645.64	470	10	7.500
CY7749 .....	745,857.90	471	9	7.505
CY7765 .....	623,178.71	473	7	7.702
CY8086 .....	115,635.77	474	6	7.500
CY9957 .....	705,151.24	471	7	7.320
CZ0336 .....	19,999.04	265	10	7.250
CZ0369 .....	71,808.40	473	7	7.750
CZ0373 .....	304,005.23	475	5	7.563
CZ1954 .....	160,501.39	475	5	7.500
CZ2831 .....	619,900.08	471	6	7.295
CZ3398 .....	168,971.14	471	9	7.312
CZ3488 .....	70,150.82	472	8	7.555
CZ3869 .....	17,833.82	471	7	7.625
CZ3873 .....	192,382.57	477	3	7.285
CZ3920 .....	518,636.21	469	5	7.295
CZ3973 .....	60,499.09	475	5	7.250
CZ3974 .....	336,522.61	474	6	7.326
CZ4015 .....	28,892.05	474	6	7.500
CZ4376 .....	378,785.24	476	4	7.583
CZ4391 .....	68,612.01	475	5	7.500

<u>Pool Number</u>	<u>Principal Balance</u>	<u>Weighted Average Remaining Term to Maturity (in months)</u>	<u>Weighted Average Loan Age (in months)</u>	<u>Weighted Average Mortgage Rate<sup>(2)</sup></u>
CZ4400 .....	\$ 85,317.83	455	7	7.513%
CZ4423 .....	110,061.45	473	7	7.625
CZ5422 .....	1,126,599.68	473	6	7.492
CZ6092 .....	2,394,640.18	470	7	7.654
CZ6093 .....	1,020,243.10	473	6	7.706
CZ7278 .....	257,143.91	474	6	7.750
CZ7287 .....	84,380.78	475	5	7.500
CZ7351 .....	81,575.71	474	6	7.250
CZ7629 .....	91,467.26	476	4	7.375
CZ7807 .....	104,509.22	476	4	7.375
CZ7883 .....	70,421.93	470	8	7.625
CZ8642 .....	307,871.15	475	5	7.750
CZ8664 .....	44,180.43	426	5	7.500
CZ9435 .....	76,346.38	473	7	7.625
CZ9675 .....	192,640.01	474	6	7.750
DA1965 .....	1,282,736.88	471	5	7.617
DA2440 .....	201,384.00	469	11	7.250
DA4266 .....	174,842.11	478	2	7.375
DA6341 .....	265,925.02	470	7	7.639
DA6628 .....	118,414.34	476	4	7.250
DA6968 .....	851,604.88	475	4	7.458
DA8263 .....	1,348,107.07	477	2	7.423
DA8268 .....	305,657.30	478	2	7.375
DA8287 .....	216,685.04	475	4	7.662
DA8306 .....	156,558.51	476	4	7.500
DB6838 .....	342,557.11	472	8	7.375
DC4330 .....	791,583.00	478	2	7.409
DC4334 .....	1,018,934.42	478	2	7.423
DC7797 .....	678,240.00	478	2	7.458
	<u>\$73,723,781.82</u>			
<b>Group 16 Trust Assets<sup>(3)</sup></b>				
CK7583 .....	\$ 52,128.09	469	11	6.750%
CP1676 .....	410,097.62	473	3	7.199
CQ5822 .....	195,354.72	477	3	7.250
CV2360 .....	95,729.38	476	4	7.125
CV2833 .....	682,787.30	472	6	6.807
CV2844 .....	450,246.50	474	5	6.836
CV7863 .....	181,194.06	479	1	7.250
CV8110 .....	1,876,868.78	470	9	6.835
CW0665 .....	54,557.46	477	3	7.125
CX1655 .....	12,249.92	468	10	7.125
CX2041 .....	102,498.41	454	8	7.125
CX2096 .....	18,960.36	469	7	6.875
CX2659 .....	18,889.83	468	12	6.875

<u>Pool Number</u>	<u>Principal Balance</u>	<u>Weighted Average Remaining Term to Maturity (in months)</u>	<u>Weighted Average Loan Age (in months)</u>	<u>Weighted Average Mortgage Rate<sup>(2)</sup></u>
CX3179 .....	\$ 278,499.74	472	8	7.127%
CX3305 .....	57,581.84	470	10	6.768
CX8770 .....	199,943.00	468	12	6.896
CY1990 .....	116,341.03	467	12	6.874
CY2498 .....	599,400.31	458	12	6.987
CY2538 .....	471,832.18	468	8	7.071
CY2546 .....	33,117.29	456	13	6.882
CY4095 .....	23,039.99	453	12	6.833
CY5126 .....	746,763.86	475	5	7.001
CY7870 .....	18,620.07	475	5	6.750
CZ0351 .....	17,689.56	469	11	6.875
CZ0385 .....	212,207.86	475	3	7.125
CZ0959 .....	182,967.66	466	8	7.153
CZ3870 .....	8,675.61	469	11	7.000
CZ3877 .....	20,038.22	467	13	6.875
CZ3932 .....	15,064.66	475	5	7.000
CZ3934 .....	147,266.80	475	5	7.000
CZ4377 .....	18,101.13	476	4	7.125
CZ6299 .....	21,191.60	471	9	7.250
CZ6973 .....	227,387.89	472	6	7.107
CZ6998 .....	505,041.77	473	6	7.143
CZ7019 .....	12,077.93	475	5	7.125
CZ7042 .....	403,623.12	475	5	7.138
CZ7048 .....	595,346.50	475	5	7.125
CZ7084 .....	347,316.89	474	4	7.136
CZ7110 .....	258,553.40	472	5	7.153
CZ7368 .....	53,510.06	475	5	7.125
CZ7906 .....	24,979.63	475	5	7.125
CZ8726 .....	270,410.25	469	9	7.023
DA0050 .....	142,223.85	475	5	7.250
DA1881 .....	5,581,957.08	474	4	7.125
DA4182 .....	1,482,202.56	476	4	6.887
DA4187 .....	1,607,609.42	477	3	6.906
DA4258 .....	208,527.78	477	3	7.125
DA4265 .....	111,978.77	408	3	7.125
DA6342 .....	181,340.01	474	6	7.125
DA6362 .....	486,222.65	477	3	7.209
DA6480 .....	606,725.53	478	2	7.250
DA6627 .....	312,911.79	476	4	7.125
DA6651 .....	490,534.86	476	4	7.125
DA6988 .....	170,781.22	465	15	6.910
DA6993 .....	89,879.97	469	11	7.250
DA7021 .....	19,404,363.51	476	4	7.125
DA8264 .....	520,347.25	477	3	7.172
DA8269 .....	1,023,871.25	477	3	7.125
DA8286 .....	502,967.50	476	3	7.198

<u>Pool Number</u>	<u>Principal Balance</u>	<u>Weighted Average Remaining Term to Maturity (in months)</u>	<u>Weighted Average Loan Age (in months)</u>	<u>Weighted Average Mortgage Rate<sup>(2)</sup></u>
DA8288 .....	\$ 561,824.80	476	3	7.225%
DA8307 .....	839,107.02	476	3	7.154
DA9712 .....	53,590.20	477	3	7.125
DB0066 .....	192,884.22	478	2	6.875
DB1890 .....	2,718,549.31	469	3	7.038
DB3323 .....	77,166.07	476	4	7.125
DB4045 .....	239,132.95	468	2	6.750
DB4280 .....	5,356,058.68	478	2	7.164
DB4456 .....	312,638.84	478	2	6.875
DB4501 .....	260,757.44	478	2	6.875
DB4514 .....	426,972.63	478	2	6.875
DB4522 .....	384,933.13	478	2	6.875
DB4561 .....	308,083.64	479	1	7.125
DB4566 .....	218,224.00	478	2	6.875
DB4631 .....	61,816.11	478	2	7.125
DB6697 .....	288,783.54	475	4	6.875
DB6828 .....	843,625.11	474	6	6.990
DB8420 .....	588,664.74	457	4	7.125
DB8421 .....	400,337.97	443	3	7.125
DB8597 .....	190,586.00	477	3	7.125
DB9297 .....	79,095.29	476	4	7.000
DB9740 .....	800,200.95	471	3	7.166
DC0822 .....	548,505.20	476	4	7.057
DC1730 .....	2,291,175.00	473	3	7.125
DC2017 .....	2,200,963.71	475	5	6.947
DC4331 .....	733,967.00	478	2	7.170
DC4335 .....	250,139.03	477	3	7.125
DC5222 .....	4,872,920.77	478	2	6.968
DC5223 .....	5,240,836.97	478	2	7.045
DC5885 .....	4,536,451.67	463	2	6.942
DC5886 .....	4,079,645.16	478	1	7.140
DC6884 .....	593,463.00	479	1	7.054
DC6888 .....	703,049.00	479	1	6.979
DC6910 .....	306,878.00	478	2	6.875
DC6937 .....	299,344.00	479	1	6.875
DC7796 .....	460,287.00	479	1	7.250
	<u>\$85,283,255.43</u>			

(1) As of June 1, 2024.

(2) The Mortgage Loans underlying the Group 9 and 16 Trust Assets may bear interest at rates ranging from 0.25% to 1.50% per annum above the related Certificate Rate.

(3) The Mortgage Loans underlying the Group 9 and 16 Trust Assets are modified loans with terms greater than or equal to 361 but not more than 480 months from the pool issuance date.



**\$2,068,406,275**

**Government National  
Mortgage Association**

**GINNIE MAE®**

**Guaranteed REMIC  
Pass-Through Securities  
and MX Securities  
Ginnie Mae REMIC Trust 2024-095**

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***OFFERING CIRCULAR SUPPLEMENT***  
***June 25, 2024***

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**J.P. Morgan**  
**Mischler Financial Group, Inc.**