Offering Circular Supplement
(To Base Offering Circular dated March 1, 2021)

$2,149,995,079
Government National Mortgage Association
GINNIE MAE®

Guaranteed REMIC Pass-Through Securities and MX Securities
Ginnie Mae REMIC Trust 2021-122

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 Ginnie Mae 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-12 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 July 30, 2021.

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

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

Class of REMIC Securities	Original Principal Balance(2)	Interest Rate	Principal Type(3)	Interest Type(3)	CUSIP Number	Final Distribution Date(4)
Security Group 1						
BZ	$ 4,276,153	3.00%	SUP	FIX/Z	38382WAA5	July 2051
DT(1)	35,819,276	3.00	PAC/AD	FIX	38382WAB3	September 2050
LD	2,228,616	3.00	PAC/AD	FIX	38382WAC1	July 2051
Security Group 2						
C(1)	10,070,864	2.00	PT	FIX	38382WAD9	July 2051
CI(1)	3,356,954	3.00	NTL(PT)	FIX/IO	38382WAE7	July 2051
D(1)	24,054,268	2.00	PT	FIX	38382WAF4	July 2051
E(1)	22,611,985	2.00	PT	FIX	38382WAG2	July 2051
EI(1)	7,537,328	3.00	NTL(PT)	FIX/IO	38382WAH0	July 2051
XI(1)	8,018,089	3.00	NTL(PT)	FIX/IO	38382WAJ6	July 2051
Security Group 3						
YF	50,000,000	(5)	PT	FLT	38382WAK3	June 2051
YS	50,000,000	(5)	NTL(PT)	INV/IO	38382WAL1	June 2051
Security Group 4						
DN	196,953,884	1.25	PT	FIX	38382WAM9	July 2051
FG	103,578,476	(5)	PT	FLT	38382WAN7	July 2051
ID	37,831,658	3.50	NTL(PT)	FIX/IO	38382WAP2	July 2051
SG	93,138,280	(5)	NTL(PT)	INV/IO	38382WAQ0	July 2051
SH	10,440,196	(5)	NTL(PT)	INV/IO	38382WAR8	July 2051
Security Group 5						
FJ(1)	430,899,849	(5)	PT	FLT	38382WAS6	July 2051
JF(1)	118,839,539	(5)	PT	FLT	38382WAT4	July 2051
JS	118,839,539	(5)	NTL(PT)	INV/IO	38382WAU1	July 2051
SA	300,000,000	(5)	NTL(PT)	INV/IO	38382WAV9	July 2051
SB	130,899,849	(5)	NTL(PT)	INV/IO	38382WAW7	July 2051
Security Group 6						
NA	39,278,090	1.00	PAC/AD	FIX	38382WAX5	July 2051
NI	26,185,393	3.00	NTL(PAC/AD)	FIX/IO	38382WAY3	July 2051
YZ	9,300,352	3.00	SUP	FIX/Z	38382WAZ0	July 2051
ZX	1,000	3.00	PAC/AD	FIX/Z	38382WBA4	July 2051
Security Group 7						
FH	67,960,105	(5)	PT	FLT	38382WBB2	July 2051
H	135,920,213	1.25	PT	FIX	38382WBC0	July 2051
HS	32,434,447	(5)	NTL(PT)	INV/IO	38382WBD8	July 2051
SK	35,525,658	(5)	NTL(PT)	INV/IO	38382WBE6	July 2051
Security Group 8						
HA	61,350,000	1.75	SEQ	FIX	38382WBF3	November 2050
HB	38,500,000	1.50	SEQ	FIX	38382WBG1	November 2050
IA(1)	18,405,000	2.50	NTL(SEQ)	FIX/IO	38382WBH9	November 2050
IB(1)	15,400,000	2.50	NTL(SEQ)	FIX/IO	38382WBJ5	November 2050
LM(1)	2,649,618	2.50	SEQ	FIX	38382WBK2	July 2051
LN(1)	1,662,760	2.50	SEQ	FIX	38382WBL0	July 2051
Security Group 9						
AG	56,756,000	2.00	SEQ	FIX	38382WBM8	January 2051
AI	11,351,200	2.50	NTL(SEQ)	FIX/IO	38382WBN6	January 2051
AL(1)	1,778,982	2.50	SEQ	FIX	38382WBP1	July 2051

(Cover continued on next page)

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

The date of this Offering Circular Supplement is July 26, 2021.

Class of REMIC Securities	Original Principal Balance(2)	Interest Rate	Principal Type(3)	Interest Type(3)	CUSIP Number	Final Distribution Date(4)
Security Group 10						
GA	$104,750,000	1.00%	PAC/AD	FIX	38382WBQ9	November 2047
GI	134,828,161	4.50	NTL(PAC/AD)	FIX/IO	38382WBR7	November 2047
GQ	68,600,493	1.00	PAC/AD	FIX	38382WBS5	November 2047
GZ	982,464	4.50	PAC/AD	FIX/Z	38382WBT3	November 2047
Z	44,154,499	4.50	SUP	FIX/Z	38382WBU0	November 2047
Security Group 11						
A(1)	69,824,512	1.45	SEQ	FIX	38382WBV8	June 2050
B(1)	30,352,488	1.45	SEQ	FIX	38382WBW6	June 2050
BL(1)	2,017,127	2.50	SEQ	FIX	38382WBX4	July 2051
CL(1)	4,640,310	2.50	SEQ	FIX	38382WBY2	July 2051
IM	29,326,295	2.50	NTL(SEQ)	FIX/IO	38382WBZ9	June 2050
MI	12,748,044	2.50	NTL(SEQ)	FIX/IO	38382WCA3	June 2050
Security Group 12						
IL	41,666,666	3.00	NTL(PT)	FIX/IO	38382WCB1	June 2051
QL	100,000,000	1.75	PT	FIX	38382WCC9	June 2051
Security Group 13						
L(1)	75,000,000	2.50	PAC/AD	FIX	38382WCD7	July 2051
LZ	2,704	2.50	PAC/AD	FIX/Z	38382WCE5	July 2051
ZL	20,180,452	2.50	SUP	FIX/Z	38382WCF2	July 2051
Security Group 14						
GT	150,000,000	2.00	PT	FIX	38382WCG0	July 2051
IT	30,000,000	2.50	NTL(PT)	FIX/IO	38382WCH8	July 2051
Security Group 15						
CH	6,261,553	2.00	SUP	FIX	38382WCJ4	July 2051
IO	13,000,000	2.50	NTL(PT)	FIX/IO	38382WCK1	July 2051
P(1)	58,198,086	2.00	PAC	FIX	38382WCL9	June 2051
PL	540,361	2.00	PAC	FIX	38382WCM7	July 2051
Residuals						
RR	0	0.00	NPR	NPR	38382WCN5	July 2051
R15	0	0.00	NPR	NPR	38382WCP0	July 2051

(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") and
- the Base Offering Circular.

The Base Offering Circular is 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.

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: July 30, 2021

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

Trust Assets:

Trust Asset Group or Subgroup(1)	Trust Asset Type	Certificate Rate	Original Term To Maturity (in years)
1	Ginnie Mae II	3.000%	30
2A	Ginnie Mae II	3.000%	30
2B	Ginnie Mae II	3.000%	30
2C	Ginnie Mae II	3.000%	30
3	Ginnie Mae II	2.500%	30
4A	Ginnie Mae II	3.500%	30
4B	Ginnie Mae II	3.500%	30
4C	Ginnie Mae II	3.500%	30
5A	Ginnie Mae II	3.000%	30
5B	Ginnie Mae II	3.000%	30
5C	Ginnie Mae II	3.000%	30
6	Ginnie Mae II	3.000%	30
7A	Ginnie Mae II	3.000%	30
7B	Ginnie Mae II	3.000%	30
7C	Ginnie Mae II	3.000%	30
7D	Ginnie Mae II	3.000%	30
8A	Ginnie Mae II	2.500%	30
8B	Ginnie Mae II	2.500%	30
9	Ginnie Mae II	2.500%	30
10	Ginnie Mae II	4.500%	30
11A	Ginnie Mae II	2.500%	30
11B	Ginnie Mae II	2.500%	30
12	Ginnie Mae II	3.000%	30
13	Ginnie Mae II	2.500%	30

Trust Asset Group or Subgroup[(1)]	Trust Asset Type	Certificate Rate	Original Term To Maturity (in years)
14	Ginnie Mae II	2.500%	30
15	Ginnie Mae II	2.500%	30

(1) The Group 2, 4, 5, 7, 8 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 a certain MX Class in Groups 8, 9 and 11, 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, 4 through 9, 11, 14 and 15 Trust Assets[(1)]:

Principal Balance	Weighted Average Remaining Term to Maturity (in months)	Weighted Average Loan Age (in months)	Weighted Average Mortgage Rate[(2)]
Group 1 Trust Assets			
$42,324,045	357	1	3.380%
Subgroup 2A Trust Assets			
$10,070,864	359	1	3.377%
Subgroup 2B Trust Assets			
$24,054,268	359	1	3.389%
Subgroup 2C Trust Assets			
$22,611,985	359	1	3.373%
Subgroup 4A Trust Assets			
$58,849,247	309	47	3.907%
Subgroup 4B Trust Assets			
$217,322,654	357	2	3.861%
Subgroup 4C Trust Assets			
$24,360,459	357	3	3.807%
Subgroup 5A Trust Assets			
$300,000,000	357	1	3.300%
Subgroup 5B Trust Assets			
$130,899,849	357	1	3.300%
Subgroup 5C Trust Assets			
$118,839,539	359	1	3.392%
Group 6 Trust Assets			
$48,579,442	342	12	3.444%
Subgroup 7A Trust Assets			
$106,576,974	343	11	3.467%

Principal Balance	Weighted Average Remaining Term to Maturity (in months)	Weighted Average Loan Age (in months)	Weighted Average Mortgage Rate[2]
Subgroup 7B Trust Assets			
$60,712,184	358	0	3.361%
Subgroup 7C Trust Assets			
$27,972,966	357	1	3.348%
Subgroup 7D Trust Assets			
$8,618,194	358	2	3.418%
Subgroup 8A Trust Assets			
$63,999,618	359	1	2.934%
Subgroup 8B Trust Assets			
$40,162,760	359	1	2.850%
Group 9 Trust Assets			
$58,534,982	355	4	2.933%
Subgroup 11A Trust Assets			
$74,464,822	354	1	2.956%
Subgroup 11B Trust Assets			
$32,369,615	353	5	2.825%
Group 14 Trust Assets			
$150,000,000[3]	358	1	2.865%
Group 15 Trust Assets			
$65,000,000	355	1	2.940%

(1) As of July 1, 2021.

(2) The Mortgage Loans underlying the Group 1, 2, 4 through 9, 11, 14 and 15 Trust Assets may bear interest at rates ranging from 0.25% to 1.50% per annum above the related Certificate Rate.

(3) More than 10% of the Mortgage Loans underlying the Group 14 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, 4 through 9, 11, 14 and 15 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 3, 10, 12 and 13 Trust Assets: See Exhibit A to this Supplement for certain information regarding the characteristics of the Mortgage Loans underlying the Group 3, 10, 12 and 13 Trust Assets. The actual remaining terms to maturity, loan ages and Mortgage Rates of many of the Mortgage Loans underlying the Group 3, 10, 12 and 13 Trust Assets will differ from the weighted averages shown in Exhibit A, perhaps significantly. *See "The Trust Assets — The Mortgage Loans" in this Supplement.*

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

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

Increased Minimum Denomination Classes: Each 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 one-month LIBOR (hereinafter referred to as "LIBOR") or a 30-day compounded average of the Secured Overnight Financing Rate ("SOFR") (hereinafter referred to as "Compounded SOFR") as follows:

Class	Interest Rate Formula(1)	Initial Interest Rate(2)	Minimum Rate	Maximum Rate	Delay (in days)	LIBOR or Compounded SOFR for Minimum Interest Rate
Security Group 3						
YF	LIBOR + 0.80%	0.896%	0.80%	2.50%	0	0.00%
YS	1.70% − LIBOR	1.604%	0.00%	1.70%	0	1.70%
Security Group 4						
FG	LIBOR + 0.20%	0.300%	0.20%	6.50%	0	0.00%
SG	6.30% − LIBOR	6.200%	0.00%	6.30%	0	6.30%
SH	6.30% − LIBOR	6.200%	0.00%	6.30%	0	6.30%
Security Group 5						
FA	Compounded SOFR + 0.40%	0.450%	0.40%	3.00%	0	0.00%
FJ	Compounded SOFR + 0.40%	0.450%	0.40%	3.00%	0	0.00%
JF	Compounded SOFR + 0.40%	0.450%	0.40%	3.00%	0	0.00%
JS	2.60% − Compounded SOFR	2.550%	0.00%	2.60%	0	2.60%
SA	2.60% − Compounded SOFR	2.550%	0.00%	2.60%	0	2.60%
SB	2.60% − Compounded SOFR	2.550%	0.00%	2.60%	0	2.60%
Security Group 7						
FH	LIBOR + 0.20%	0.302%	0.20%	6.50%	0	0.00%
HS	6.30% − LIBOR	6.198%	0.00%	6.30%	0	6.30%
SK	6.30% − LIBOR	6.198%	0.00%	6.30%	0	6.30%

(1) LIBOR and Compounded 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 Group 1 Principal Distribution Amount and the BZ Accrual Amount will be allocated in the following order of priority:

1. Sequentially, to DT and LD, in that order, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date

2. To BZ, until retired

3. Sequentially, to DT and LD, in that order, without regard to their Aggregate Scheduled Principal Balance, until retired

SECURITY GROUP 2

The Subgroup 2A Principal Distribution Amount, the Subgroup 2B Principal Distribution Amount and the Subgroup 2C Principal Distribution Amount will be allocated as follows:

- The Subgroup 2A Principal Distribution Amount to C, until retired
- The Subgroup 2B Principal Distribution Amount to D, until retired
- The Subgroup 2C Principal Distribution Amount to E, until retired

SECURITY GROUP 3

The Group 3 Principal Distribution Amount will be allocated to YF, until retired

SECURITY GROUP 4

The Subgroup 4A Principal Distribution Amount, the Subgroup 4B Principal Distribution Amount and the Subgroup 4C Principal Distribution Amount will be allocated as follows:

- The Subgroup 4A Principal Distribution Amount, 57.1428572743% of the Subgroup 4B Principal Distribution Amount and 57.1428600750% of the 4C Principal Distribution Amount to DN, until retired
- The remainders of the Subgroup 4B Principal Distribution Amount and the Subgroup 4C Principal Distribution Amount to FG, until retired

SECURITY GROUP 5

The Subgroup 5A Principal Distribution Amount, the Subgroup 5B Principal Distribution Amount and the Subgroup 5C Principal Distribution Amount will be allocated as follows:

- The Subgroup 5A Principal Distribution Amount and the Subgroup 5B Principal Distribution Amount to FJ, until retired
- The Subgroup 5C Principal Distribution Amount to JF, until retired

SECURITY GROUP 6

The Group 6 Principal Distribution Amount, the YZ Accrual Amount and the ZX Accrual Amount will be allocated as follows:

- The ZX Accrual Amount, sequentially, to NA and ZX, in that order, until retired
- The Group 6 Principal Distribution Amount and the YZ Accrual Amount in the following order of priority:

  1. Sequentially, to NA and ZX, in that order, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date

  2. To YZ, until retired

3. Sequentially, to NA and ZX, in that order, without regard to their Aggregate Scheduled Principal Balance, until retired

SECURITY GROUP 7

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

- 33.3333333333% of the Subgroup 7A Principal Distribution Amount, 33.3333322353% of the Subgroup 7B Principal Distribution Amount, 33.3333333333% of the Subgroup 7C Principal Distribution Amount and 33.3333294655% of the Subgroup 7D Principal Distribution Amount to FH, until retired
- The remainders of the Subgroup 7A Principal Distribution Amount, the Subgroup 7B Principal Distribution Amount, the Subgroup 7C Principal Distribution Amount and the 7D Principal Distribution Amount to H, until retired

SECURITY GROUP 8

The Subgroup 8A Principal Distribution Amount and the Subgroup 8B Principal Distribution Amount will be allocated as follows:

- The Subgroup 8A Principal Distribution Amount, sequentially, to HA and LM, in that order, until retired
- The Subgroup 8B Principal Distribution Amount, sequentially, to HB and LN, in that order, until retired

SECURITY GROUP 9

The Group 9 Principal Distribution Amount will be allocated, sequentially, to AG and AL, in that order, until retired

SECURITY GROUP 10

The Group 10 Principal Distribution Amount, the Z Accrual Amount and the GZ Accrual Amount will be allocated as follows:

- The GZ Accrual Amount in the following order of priority:

  1. Concurrently, to GA and GQ, pro rata, until retired
  2. To GZ, until retired

- The Group 10 Principal Distribution Amount and the Z Accrual Amount in the following order of priority:

  1. To GA, GQ and GZ, until reduced to their Aggregate Scheduled Principal Balance in the following order of priority:

     a. Concurrently, to GA and GQ, pro rata, while outstanding

     b. To GZ, while outstanding

  2. To Z, until retired

3. To GA, GQ and GZ, in the same manner and order of priority as described in step 1. above, but without regard to their Aggregate Scheduled Principal Balance, until retired

SECURITY GROUP 11

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

- The Subgroup 11A Principal Distribution Amount, sequentially, to A and CL, in that order, until retired
- The Subgroup 11B Principal Distribution Amount, sequentially, to B and BL, in that order, until retired

SECURITY GROUP 12

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

SECURITY GROUP 13

The Group 13 Principal Distribution Amount, the LZ Accrual Amount and the ZL Accrual Amount will be allocated as follows:

- The LZ Accrual Amount, sequentially, to L and LZ, in that order, until retired
- The Group 13 Principal Distribution Amount and the ZL Accrual Amount in the following order of priority:

1. Sequentially, to L and LZ, in that order, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date

2. To ZL, until retired

3. Sequentially, to L and LZ, in that order, without regard to their Aggregate Scheduled Principal Balance, until retired

SECURITY GROUP 14

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

SECURITY GROUP 15

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

1. Sequentially, to P and PL, in that order, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date

2. To CH, until retired

3. Sequentially, to P and PL, in that order, without regard to their Aggregate Scheduled Principal Balance, until retired

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

Security Group		Structuring Ranges
	PAC Classes	
1	DT and LD (in the aggregate)	150% PSA through 225% PSA
6	NA and ZX (in the aggregate)	370% PSA through 460% PSA
10	GA, GQ and GZ (in the aggregate)*	200% PSA through 400% PSA
13	L and LZ (in the aggregate)	225% PSA through 325% PSA
15	P and PL (in the aggregate)	165% PSA through 225% PSA

* The initial Effective Range is 201% PSA through 400% PSA.

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

Notional Classes: The Notional Classes will not receive distributions of principal but have Class Notional Balances for convenience in describing their entitlements to interest. The Class Notional Balance of each Notional Class represents the percentage indicated below of, and reduces to that extent with, the Class Principal Balances or the outstanding principal balance of the related Trust Asset Group, Subgroup or Subgroups indicated:

Class	Original Class Notional Balance	Represents Approximately
Security Group 1		
DI	$ 23,879,517	66.6666666667% of DT (PAC/AD Class)
Security Group 2		
CI	$ 3,356,954	33.3333333333% of C (PT Class)
EI	7,537,328	33.3333333333% of E (PT Class)
IE	$ 3,356,954	33.3333333333% of C (PT Class)
	7,537,328	33.3333333333% of E (PT Class)
	8,018,089	33.3333333333% of D (PT Class)
	$ 18,912,371	
XI	$ 8,018,089	33.3333333333% of D (PT Class)
Security Group 3		
YS	$ 50,000,000	100% of YF (PT Class)
Security Group 4		
ID	$ 37,831,658	64.2857142857% of the Subgroup 4A Trust Assets
SG	93,138,280	42.8571428571% of the Subgroup 4B Trust Assets
SH	10,440,196	42.8571428571% of the Subgroup 4C Trust Assets
Security Group 5		
JS	118,839,539	100% of JF (PT Class)
SA	$300,000,000	100% of the Subgroup 5A Trust Assets
SB	130,899,849	100% of the Subgroup 5B Trust Assets

Class	Original Class Notional Balance	Represents Approximately
Security Group 6		
NI	$ 26,185,393	66.6666666667% of NA (PAC/AD Class)
Security Group 7		
HS	$ 20,237,394	33.3333333333% of the Subgroup 7B Trust Assets
	9,324,322	33.3333333333% of the Subgroup 7C Trust Assets
	2,872,731	33.3333333333% of the Subgroup 7D Trust Assets
	$ 32,434,447	
SK	$ 35,525,658	33.3333333333% of the Subgroup 7A Trust Assets
Security Group 8		
HI	$ 18,405,000	30% of HA (SEQ Class)
	15,400,000	40% of HB (SEQ Class)
	$ 33,805,000	
IA	$ 18,405,000	30% of HA (SEQ Class)
IB	15,400,000	40% of HB (SEQ Class)
Security Group 9		
AI	$ 11,351,200	20% of AG (SEQ Class)
Security Group 10		
GI	$134,828,161	77.7777777778% of GA and GQ (in the aggregate) (PAC/AD Classes)
Security Group 11		
IM	$ 29,326,295	42% of A (SEQ Class)
MI	12,748,044	42% of B (SEQ Class)
Security Group 12		
IL	$ 41,666,666	41.6666666667% of QL (PT Class)
Security Group 13		
LI	$ 45,000,000	60% of L (PAC/AD Class)
Security Group 14		
IT	$ 30,000,000	20% of GT (PT Class)
Security Group 15		
IO	$ 13,000,000	20% of the Group 15 Trust Assets
PI	23,279,234	40% of P (PAC Class)

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

Regular and Residual Classes: Classes R15 and RR are Residual Classes. Class R15 represents the Residual Interest of the Group 15 REMIC. Class RR represents the Residual Interest of the Group 1 through 14 Issuing and Pooling REMICs. 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 LIBOR and Compounded SOFR, as applicable, will affect the yields on floating rate and inverse floating rate securities. If LIBOR or Compounded SOFR, as applicable, 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 LIBOR or Compounded SOFR, as applicable, will generally reduce the yield on floating rate securities; higher levels of LIBOR or Compounded SOFR, as applicable, will generally reduce the yield on inverse floating rate securities. You should bear in mind that the timing of changes in the level of LIBOR or Compounded SOFR, as applicable, may affect your yield: generally, the earlier a change, the greater the effect on your yield. It is doubtful that LIBOR or Compounded SOFR 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 class will not receive any principal distribution on that date. If prepayments result in principal distributions on any distribution date greater than the amount needed to produce scheduled payments on the PAC classes for that distribution date, this excess will be distributed to the related support class.

Up to 10% of the mortgage loans underlying the group 1, 2, 4 through 12 and 15 trust assets and up to 100% of the mortgage loans underlying the group 3, 13 and 14 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.

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

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

The ARRC Endorsed Terms provide for various alternative benchmarks based on availability: the first two alternatives involve SOFR, and the last two alternatives are not currently specified. SOFR is a secured, risk-free, overnight rate that is calculated based on different criteria than LIBOR, which is an unsecured rate reflecting counterparty risk. *See "Description of the Securities — Interest Rate Indices — Determination of SOFR — General" in the base offering circular for more information about SOFR and the market for securities indexed to SOFR.* Accordingly, SOFR and LIBOR may diverge, particularly in times of macroeconomic stress. The Federal Reserve Bank of New York began to publish SOFR in April 2018 and has published historical indicative SOFR and accompanying volumes from August 2014 to March 2018. The Federal Reserve Bank of New York also began to publish 30-, 90- and 180-day compounded averages of SOFR in March 2020. Investors should not rely on historical changes or trends in SOFR as indicative of future changes. Over the lives of LIBOR classes, SOFR may diverge from historical or indicative data.

Term SOFR, which is the first alternative benchmark specified in the ARRC Endorsed Terms, is a prospective term rate based on SOFR that is under review by the ARRC, and there can be no assurance that its development will be completed at any time either before or after the benchmark replacement date. If term SOFR is unavailable as of the benchmark replacement date, the next alternative benchmark is compounded SOFR. As a benchmark replacement for LIBOR, compounded SOFR is a compounded average for which there are multiple methodologies that may also diverge from LIBOR. In addition, the methodology for calculating compounded SOFR as a LIBOR replacement may differ from the methodology for calculating Compounded SOFR for SOFR classes, as described under "Description of the Securities — Interest Distributions — Floating Rate and Inverse Floating Rate Classes" in this supplement. There can be no assurance that compounded SOFR as a LIBOR replacement will be the same as, or similar to, Compounded SOFR for SOFR classes.

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

Ginnie Mae will have sole discretion with respect to certain elements of the benchmark replacement process, including determining which benchmark replacement is available, determining the earliest practicable index determination date for using the benchmark replacement, selecting a benchmark replacement in the event term SOFR or compounded SOFR is unavailable, determining benchmark replacement adjustments (if not otherwise determined by applicable governing bodies or authorities) and making benchmark replacement conforming changes (including potential changes affecting the business day convention and index determination date). If Ginnie Mae, in its sole discretion, determines that an alternative rate is not administratively feasible, including as a result of technical, administrative or operational issues, then such alternative rate will be deemed not determinable as of such date. Ginnie Mae may determine an alternative not to be administratively feasible even if such alternative rate has been adopted by other market participants in similar products. Furthermore, if Ginnie Mae does not select an alternative rate on any date as a result of its determination that an alternative higher on the list of ARRC Endorsed Terms is not administratively feasible as of such date and such higher alternative subsequently becomes administratively feasible (as determined by Ginnie Mae in its sole discretion), then Ginnie Mae may elect to replace the previously selected alternative with such higher alternative. Any of the foregoing determinations will be at the sole discretion of Ginnie Mae and may adversely affect the return on LIBOR classes, the trading market for such classes and the value of such classes. None of the foregoing determinations, or the application thereof to payment calculations on LIBOR classes, will be subject to the approval of security holders.

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

An investment in the group 5 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 group 5 securities may fluctuate more than debt securities linked to less volatile indices.

SOFR is a relatively new market index, and the group 5 securities will likely have no established trading market when issued, and an established trading market may never develop or, if developed, may not be liquid. Investment in the group 5 securities carries additional pricing volatility, illiquidity and market risk, as discussed in more detail under "Description of the Securities — Interest Rate Indices — Determination of SOFR — General" in the base offering circular.

The interest rates of the group 5 securities will be based on Compounded SOFR unless and until Ginnie Mae determines, in its sole discretion, that term SOFR has become operationally, administratively and technically feasible. If Ginnie Mae makes that determination, Ginnie Mae will convert the interest rates of the group 5 securities from Compounded SOFR to term SOFR, a prospective term rate based on SOFR under review by the ARRC. In connection with that conversion, Ginnie Mae may, in its sole discretion and without the consent of any security holders, change the calculation methodology or spread, add or subtract a rate adjustment and make other conforming changes with respect to the group 5 securities, as described under "Description of the Securities — Interest Rate Indices — Replacement Rate Conforming Changes" in the base offering circular. There can be no assurance that the interest rates of the group 5 securities will eventually be based on term SOFR or, if based on term SOFR in the future, that the resulting interest rates will yield the same or similar economic results over the lives of the affected securities relative to the results that would have occurred had the interest rates remained based on Compounded SOFR or that the market value will not decrease due to the move from Compounded SOFR to term SOFR.

All aspects of the conversion will be at the sole discretion of Ginnie Mae, which could lead to volatility in the interests rates of or adversely affect the return on the group 5 securities, the trading market for such securities and the value of such securities. In addition, the implementation of term SOFR is dependent upon the review and recommendation of the ARRC, which is subject to a number of conditions published by the ARRC and which recommendation may not be given by the ARRC for use in securitizations or at all.

You should consult your own financial and legal advisors about the risks associated with an investment in the group 5 securities and the suitability of investing in the group 5 securities in light of your particular circumstances.

Interest on the group 5 securities will be determined using a replacement rate if SOFR is no longer available, which could adversely affect the value of your investment in the group 5 securities. Because SOFR is published by the Federal Reserve Bank of New York based on data received from other sources, neither Ginnie Mae nor the trustee has any control over its determination, calculation or publication. The Federal Reserve Bank of New York has noted that it may alter the methods of calculation, publication schedule, rate revision practices or availability of SOFR at any time without notice. There can be no assurance that SOFR will not be discontinued or fundamentally altered in a manner that is materially adverse to the interests of investors in the group 5 securities.

If SOFR is no longer published or cannot be used, the amount of interest payable on the group 5 securities will be determined using a replacement rate, as described under "Description of the Securities — Interest Rate Indices — Determination of SOFR" in the base offering circular. Ginnie Mae will have the sole discretion to make conforming changes in connection with any replacement rate without the consent of security holders, as described under "Description of the Securities — Interest Rate Indices" in the base offering circular. This could reduce the amount of interest payable on the group 5 securities, which could adversely affect the return on, value of, and market for, the group 5 securities. Furthermore, there can be no assurance that the characteristics of any replacement rate will be similar to SOFR or that any replacement rate will produce the economic equivalent of SOFR.

The securities may not be a suitable investment for you. The securities, 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 will evidence, directly or indirectly, Ginnie Mae Certificates.

The Trust MBS

The Trust Assets 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 Mortgage Loans

The Mortgage Loans underlying the Group 1, 2, 4 through 9, 11, 14 and 15 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, 4 through 9, 11, 14 and 15 Trust Assets" and the general characteristics described in the Base Offering Circular. The Mortgage Loans underlying the Group 3, 10, 12 and 13 Trust Assets are expected to have, on a weighted average basis, the characteristics set forth in Exhibit A to this Supplement under "Characteristics of the Mortgage Loans Underlying the Group 3, 10, 12 and 13 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:

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

Fixed Rate Classes

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

Floating Rate and Inverse Floating Rate Classes

The Floating Rate and Inverse Floating Rate Classes will bear interest as shown under "Terms Sheet — Interest Rates" in this Supplement. The Interest Rates for the Floating Rate and Inverse Floating Rate Classes (other than Classes FA, FJ, JF, JS, SA and SB, which will be based initially on Compounded SOFR as described below) will be based on LIBOR. The Trustee or its agent will determine LIBOR on the basis of the ICE LIBOR method, as described under "Description of the Securities — Interest Rate Indices — Determination of LIBOR" in the Base Offering Circular.

We can provide no assurance that LIBOR for a Distribution Date accurately represents the offered rate at which one-month U.S. dollar deposits are being quoted to prime banks in the London interbank market, nor that the procedures for calculating LIBOR on the basis of the ICE LIBOR method for one-month U.S. dollar deposits will not change. Any change in LIBOR values resulting from any change in reporting or in the determination of LIBOR may cause LIBOR to fluctuate disproportionately to changes in other market lending rates. When LIBOR ceases to be published or becomes no longer representative, a replacement rate will be selected, as described under "Description of the Securities — Interest Rate Indices — Determination of LIBOR" in the Base Offering Circular.

The Interest Rate for Classes FA, FJ, JF, JS, SA and SB will be based initially on Compounded SOFR with a Corresponding Tenor of 30 days. The Trustee or its agent will determine Compounded SOFR as described under "Description of the Securities — Interest Rate Indices — Determination of SOFR" in the Base Offering Circular.

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

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

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

Accrual Classes

Each of Classes BZ, GZ, LZ, YZ, Z, ZL and ZX 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 Class R15 Securities will represent the beneficial ownership of the Residual Interest in the Group 15 REMIC, as described in "Certain United States Federal Income Tax Consequences" in the Base Offering Circular. The Class RR Securities will represent the beneficial ownership of the Residual Interest in the Group 1 through 14 Issuing REMIC and the beneficial ownership of the Residual Interest in the Group 1 through 14 Pooling REMIC, as described in "Certain United States Federal Income Tax Consequences" in the Base Offering Circular. The Class RR and R15 Securities have no Class Principal Balance and do not accrue interest. The Class RR and R15 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.

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

Termination

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

For these purposes, the Trust REMICs and the Securities with corresponding numerical designations are related as follows:

Trust REMICs	Related Securities
Group 1 through 14 Issuing and Pooling REMICs	Group 1 through 14 Securities
Group 15 REMIC	Group 15 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 Security Group 15, a Holder of all of the outstanding Regular Securities of such Security Group and the related Class of Residual Securities will have the right to purchase the related Trust Assets upon three Business Days' notice (the "Notice Period"). The purchase will be for cash in an amount equal to (A)(i) the aggregate remaining principal balance of the 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 Class or Classes of REMIC Securities and, in the case of Combinations 1, 10 and 11, other related MX Classes. This process may occur repeatedly.

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

In the case of Combinations 1, 10 and 11, 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 2021-122. The Trustee may be contacted by telephone at (617) 603-6451 and by fax at (617) 603-6644.

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

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

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

YIELD, MATURITY AND PREPAYMENT CONSIDERATIONS

General

The prepayment experience of the 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.*

Accretion Directed Classes

Classes DT, GA, GQ, GZ, L, LD, LZ, NA and ZX 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 GI and NI is a Notional Class whose Class Notional Balance is determined by reference to the Class Principal Balance of the related Accretion Directed Class or Classes shown under "Terms Sheet — Notional Classes" in this Supplement.

Each of the Accretion Directed Classes has the AD designation in the suffix position, rather than the prefix position, in its class principal type because it does not have principal payment stability through the applicable pricing prepayment assumption. Although the Accretion Directed Classes 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 their Effective Ranges.

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:

Security Group		Initial Effective Ranges
	PAC Classes	
1	DT and LD (in the aggregate)	150% PSA through 225% PSA
6	NA and ZX (in the aggregate)	370% PSA through 460% PSA
10	GA, GQ and GZ (in the aggregate)	201% PSA through 400% PSA
13	L and LZ (in the aggregate)	225% PSA through 325% PSA
15	P and PL (in the aggregate)	165% PSA through 225% PSA

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

If the Class supporting a given Class is retired before the Class being supported is retired, the outstanding Class will no longer have an Effective Range 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 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 following assumptions (the "Modeling Assumptions"), among others:

1. The Mortgage Loans underlying the Group 1, 2, 4 through 9, 11, 14 and 15 Trust Assets have the assumed characteristics shown under "Assumed Characteristics of the Mortgage Loans Underlying the Group 1, 2, 4 through 9, 11, 14 and 15 Trust Assets" in the Terms Sheet and the Mortgage Loans underlying the Group 3, 10, 12 and 13 Trust Assets have the characteristics shown under "Characteristics of the Mortgage Loans Underlying the Group 3, 10, 12 and 13 Trust Assets" in Exhibit A, 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, 4, through 9, 11, 14 or 15 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 August 2021.

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

5. The Closing Date for the Securities is July 30, 2021.

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. 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 BZ					Classes DA, DB, DC, DE, DG, DI and DT					Class LD				
	0%	150%	190%	225%	400%	0%	150%	190%	225%	400%	0%	150%	190%	225%	400%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2022	103	103	97	92	66	98	95	95	95	95	100	100	100	100	100
July 2023	106	106	86	69	0	95	85	85	85	84	100	100	100	100	100
July 2024	109	109	72	41	0	93	74	74	74	61	100	100	100	100	100
July 2025	113	113	62	20	0	90	63	63	63	44	100	100	100	100	100
July 2026	116	116	56	8	0	88	53	53	53	31	100	100	100	100	100
July 2027	120	120	54	1	0	85	45	45	45	21	100	100	100	100	100
July 2028	123	123	54	0	0	82	37	37	37	14	100	100	100	100	100
July 2029	127	125	54	0	0	79	30	30	30	9	100	100	100	100	100
July 2030	131	123	52	0	0	76	24	24	24	5	100	100	100	100	100
July 2031	135	119	50	0	0	72	19	19	19	2	100	100	100	100	100
July 2032	139	113	47	0	0	69	15	15	15	0	100	100	100	100	95
July 2033	143	107	43	0	0	65	11	11	11	0	100	100	100	100	69
July 2034	148	99	40	0	0	61	8	8	8	0	100	100	100	100	51
July 2035	152	92	36	0	0	57	6	6	6	0	100	100	100	100	37
July 2036	157	84	32	0	0	53	4	4	4	0	100	100	100	100	27
July 2037	162	76	29	0	0	49	2	2	2	0	100	100	100	100	19
July 2038	166	68	25	0	0	45	0	0	0	0	100	100	100	100	14
July 2039	171	60	22	0	0	40	0	0	0	0	100	85	85	85	10
July 2040	177	53	19	0	0	35	0	0	0	0	100	69	69	69	7
July 2041	182	46	16	0	0	30	0	0	0	0	100	55	55	55	5
July 2042	188	39	14	0	0	24	0	0	0	0	100	43	43	43	3
July 2043	193	33	11	0	0	19	0	0	0	0	100	34	34	34	2
July 2044	199	27	9	0	0	13	0	0	0	0	100	26	26	26	2
July 2045	205	22	7	0	0	7	0	0	0	0	100	19	19	19	1
July 2046	212	17	6	0	0	1	0	0	0	0	100	14	14	14	1
July 2047	215	13	4	0	0	0	0	0	0	0	10	10	10	10	0
July 2048	165	9	3	0	0	0	0	0	0	0	6	6	6	6	0
July 2049	113	5	2	0	0	0	0	0	0	0	4	4	4	4	0
July 2050	58	2	1	0	0	0	0	0	0	0	1	1	1	1	0
July 2051	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	28.1	18.2	10.5	2.8	1.2	14.8	6.2	6.2	6.2	4.2	25.7	21.2	21.2	21.2	13.9

Security Group 2
PSA Prepayment Assumption Rates

Distribution Date	Classes BG and IE						Classes C and CI						Classes D and XI						Classes E and EI					
	0%	100%	250%	438%	650%	900%	0%	100%	250%	438%	650%	900%	0%	100%	250%	438%	650%	900%	0%	100%	250%	438%	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
July 2022	98	97	94	92	88	85	98	97	94	92	88	85	98	97	94	92	88	85	98	97	94	92	88	85
July 2023	97	91	83	74	64	54	97	91	83	74	64	54	97	91	83	74	64	54	97	91	83	74	64	54
July 2024	95	84	70	54	39	25	95	84	70	54	39	25	95	84	70	54	39	25	95	84	70	54	39	25
July 2025	93	77	58	39	23	11	93	77	58	39	23	11	93	77	58	39	23	11	93	77	58	39	23	11
July 2026	91	70	48	28	14	5	91	70	48	28	14	5	91	70	48	28	14	5	91	70	48	28	14	5
July 2027	89	65	40	20	8	2	89	65	40	20	8	2	89	65	40	20	8	2	89	64	40	20	8	2
July 2028	87	59	33	14	5	1	87	59	33	14	5	1	87	59	33	14	5	1	87	59	33	14	5	1
July 2029	85	54	27	10	3	0	85	54	27	10	3	0	85	54	27	10	3	0	85	54	27	10	3	0
July 2030	83	49	22	7	2	0	83	49	22	7	2	0	83	49	22	7	2	0	83	49	22	7	2	0
July 2031	80	45	18	5	1	0	80	44	18	5	1	0	80	45	18	5	1	0	80	44	18	5	1	0
July 2032	78	40	15	4	1	0	78	40	15	4	1	0	78	40	15	4	1	0	78	40	15	4	1	0
July 2033	75	36	12	3	0	0	75	36	12	3	0	0	75	36	12	3	0	0	75	36	12	3	0	0
July 2034	72	33	10	2	0	0	72	33	10	2	0	0	72	33	10	2	0	0	72	33	10	2	0	0
July 2035	69	30	8	1	0	0	69	30	8	1	0	0	69	30	8	1	0	0	69	29	8	1	0	0
July 2036	66	26	7	1	0	0	66	26	7	1	0	0	66	26	7	1	0	0	66	26	7	1	0	0
July 2037	63	24	5	1	0	0	63	24	5	1	0	0	63	24	5	1	0	0	63	24	5	1	0	0
July 2038	60	21	4	0	0	0	60	21	4	0	0	0	60	21	4	0	0	0	60	21	4	0	0	0
July 2039	56	18	3	0	0	0	56	18	3	0	0	0	56	18	3	0	0	0	56	18	3	0	0	0
July 2040	53	16	3	0	0	0	53	16	3	0	0	0	53	16	3	0	0	0	53	16	3	0	0	0
July 2041	49	14	2	0	0	0	49	14	2	0	0	0	49	14	2	0	0	0	49	14	2	0	0	0
July 2042	45	12	2	0	0	0	45	12	2	0	0	0	45	12	2	0	0	0	45	12	2	0	0	0
July 2043	41	10	1	0	0	0	41	10	1	0	0	0	41	10	1	0	0	0	41	10	1	0	0	0
July 2044	36	8	1	0	0	0	36	8	1	0	0	0	36	8	1	0	0	0	36	8	1	0	0	0
July 2045	32	7	1	0	0	0	32	7	1	0	0	0	32	7	1	0	0	0	32	7	1	0	0	0
July 2046	27	5	0	0	0	0	27	5	0	0	0	0	27	6	1	0	0	0	27	5	0	0	0	0
July 2047	22	4	0	0	0	0	22	4	0	0	0	0	22	4	0	0	0	0	22	4	0	0	0	0
July 2048	17	3	0	0	0	0	17	3	0	0	0	0	17	3	0	0	0	0	17	3	0	0	0	0
July 2049	12	2	0	0	0	0	12	2	0	0	0	0	12	2	0	0	0	0	12	2	0	0	0	0
July 2050	6	1	0	0	0	0	6	1	0	0	0	0	6	1	0	0	0	0	6	1	0	0	0	0
July 2051	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)	18.3	10.5	6.2	4.1	3.0	2.3	18.3	10.5	6.2	4.1	3.0	2.3	18.3	10.5	6.2	4.1	3.0	2.3	18.3	10.5	6.2	4.1	3.0	2.3

Security Group 3
PSA Prepayment Assumption Rates

Distribution Date	Classes YF and YS					
	0%	100%	300%	522%	800%	1,100%
Initial Percent	100	100	100	100	100	100
July 2022	98	96	93	90	86	81
July 2023	96	91	81	70	58	45
July 2024	93	83	65	48	30	16
July 2025	91	76	52	32	15	5
July 2026	89	70	41	21	8	2
July 2027	86	64	33	14	4	1
July 2028	84	58	26	9	2	0
July 2029	81	53	21	6	1	0
July 2030	78	48	17	4	0	0
July 2031	75	44	13	3	0	0
July 2032	73	39	10	2	0	0
July 2033	70	36	8	1	0	0
July 2034	67	32	6	1	0	0
July 2035	63	29	5	1	0	0
July 2036	60	26	4	0	0	0
July 2037	57	23	3	0	0	0
July 2038	54	20	2	0	0	0
July 2039	50	18	2	0	0	0
July 2040	46	15	1	0	0	0
July 2041	43	13	1	0	0	0
July 2042	39	11	1	0	0	0
July 2043	35	10	1	0	0	0
July 2044	31	8	0	0	0	0
July 2045	27	7	0	0	0	0
July 2046	23	5	0	0	0	0
July 2047	18	4	0	0	0	0
July 2048	14	3	0	0	0	0
July 2049	9	2	0	0	0	0
July 2050	4	1	0	0	0	0
July 2051	0	0	0	0	0	0
Weighted Average Life (years)	17.0	10.3	5.4	3.5	2.6	2.0

Security Group 4
PSA Prepayment Assumption Rates

Distribution Date	Class DN						Class FG						Class ID					
	0%	100%	250%	422%	650%	900%	0%	100%	250%	422%	650%	900%	0%	100%	250%	422%	650%	900%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2022	99	95	91	86	79	71	99	96	94	91	87	83	99	92	83	73	60	45
July 2023	97	89	79	68	54	42	97	91	83	74	62	51	97	84	69	53	35	20
July 2024	95	82	65	50	33	19	95	84	69	54	38	23	95	77	57	39	21	9
July 2025	94	75	54	36	19	9	94	77	57	40	22	10	94	70	47	28	12	4
July 2026	92	69	45	26	12	4	92	71	48	29	13	5	92	64	39	20	7	2
July 2027	90	63	37	19	7	2	90	65	39	21	8	2	90	58	32	15	4	1
July 2028	88	57	31	14	4	1	88	59	33	15	5	1	88	53	26	11	3	0
July 2029	86	52	25	10	2	0	86	54	27	11	3	0	86	48	21	8	2	0
July 2030	84	48	21	7	1	0	84	49	22	8	2	0	84	43	18	5	1	0
July 2031	81	43	17	5	1	0	81	45	18	6	1	0	81	39	14	4	1	0
July 2032	79	39	14	4	0	0	79	41	15	4	1	0	79	35	12	3	0	0
July 2033	76	35	11	3	0	0	76	37	12	3	0	0	76	31	9	2	0	0
July 2034	74	32	9	2	0	0	74	33	10	2	0	0	74	28	7	1	0	0
July 2035	71	28	8	1	0	0	71	30	8	2	0	0	71	24	6	1	0	0
July 2036	68	25	6	1	0	0	68	27	7	1	0	0	68	21	5	1	0	0
July 2037	65	22	5	1	0	0	65	24	5	1	0	0	65	19	4	0	0	0
July 2038	61	20	4	0	0	0	61	21	4	1	0	0	61	16	3	0	0	0
July 2039	58	17	3	0	0	0	58	19	3	0	0	0	58	14	2	0	0	0
July 2040	54	15	2	0	0	0	54	16	3	0	0	0	54	11	2	0	0	0
July 2041	51	13	2	0	0	0	51	14	2	0	0	0	51	9	1	0	0	0
July 2042	47	11	1	0	0	0	47	12	2	0	0	0	47	7	1	0	0	0
July 2043	42	9	1	0	0	0	42	10	1	0	0	0	42	6	1	0	0	0
July 2044	38	7	1	0	0	0	38	9	1	0	0	0	38	4	0	0	0	0
July 2045	33	6	1	0	0	0	33	7	1	0	0	0	33	2	0	0	0	0
July 2046	28	4	0	0	0	0	28	6	1	0	0	0	28	1	0	0	0	0
July 2047	23	3	0	0	0	0	23	4	0	0	0	0	23	0	0	0	0	0
July 2048	18	2	0	0	0	0	18	3	0	0	0	0	18	0	0	0	0	0
July 2049	12	1	0	0	0	0	12	2	0	0	0	0	12	0	0	0	0	0
July 2050	6	1	0	0	0	0	6	1	0	0	0	0	6	0	0	0	0	0
July 2051	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	18.6	10.1	5.8	3.8	2.6	2.0	18.6	10.6	6.2	4.1	2.9	2.3	18.6	9.1	5.1	3.1	1.9	1.3

Security Group 4
PSA Prepayment Assumption Rates

	Class SG						Class SH					
Distribution Date	**0%**	**100%**	**250%**	**422%**	**650%**	**900%**	**0%**	**100%**	**250%**	**422%**	**650%**	**900%**
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100
July 2022	99	96	94	91	87	83	99	96	93	90	86	81
July 2023	97	91	83	74	63	51	97	90	82	72	61	49
July 2024	95	84	69	54	38	23	95	83	68	53	36	22
July 2025	94	77	57	40	23	11	94	76	57	39	22	10
July 2026	92	71	48	29	13	5	92	70	47	28	13	4
July 2027	90	65	40	21	8	2	90	64	39	21	8	2
July 2028	88	59	33	15	5	1	88	59	32	15	5	1
July 2029	86	54	27	11	3	0	86	54	27	11	3	0
July 2030	84	49	22	8	2	0	84	49	22	8	2	0
July 2031	81	45	18	6	1	0	81	45	18	6	1	0
July 2032	79	41	15	4	1	0	79	41	15	4	1	0
July 2033	76	37	12	3	0	0	76	37	12	3	0	0
July 2034	74	33	10	2	0	0	74	33	10	2	0	0
July 2035	71	30	8	2	0	0	71	30	8	2	0	0
July 2036	68	27	7	1	0	0	68	27	7	1	0	0
July 2037	65	24	5	1	0	0	65	24	5	1	0	0
July 2038	61	21	4	1	0	0	61	21	4	1	0	0
July 2039	58	19	3	0	0	0	58	19	3	0	0	0
July 2040	54	16	3	0	0	0	54	16	3	0	0	0
July 2041	51	14	2	0	0	0	51	14	2	0	0	0
July 2042	47	12	2	0	0	0	47	12	2	0	0	0
July 2043	42	10	1	0	0	0	42	10	1	0	0	0
July 2044	38	9	1	0	0	0	38	9	1	0	0	0
July 2045	33	7	1	0	0	0	33	7	1	0	0	0
July 2046	28	6	1	0	0	0	28	6	0	0	0	0
July 2047	23	4	0	0	0	0	23	4	0	0	0	0
July 2048	18	3	0	0	0	0	18	3	0	0	0	0
July 2049	12	2	0	0	0	0	12	2	0	0	0	0
July 2050	6	1	0	0	0	0	6	1	0	0	0	0
July 2051	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	18.6	10.6	6.2	4.1	2.9	2.3	18.6	10.5	6.1	4.1	2.9	2.2

Security Group 5
PSA Prepayment Assumption Rates

	Class FA						Class FJ						Classes JF and JS					
Distribution Date	**0%**	**100%**	**250%**	**415%**	**650%**	**900%**	**0%**	**100%**	**250%**	**415%**	**650%**	**900%**	**0%**	**100%**	**250%**	**415%**	**650%**	**900%**
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2022	98	97	94	92	88	85	98	97	94	92	88	85	98	97	94	92	88	85
July 2023	97	91	83	75	64	53	97	91	83	75	64	53	97	91	83	75	64	54
July 2024	95	84	70	56	39	25	95	84	70	56	39	25	95	84	70	56	39	25
July 2025	93	77	58	41	23	11	93	77	58	41	23	11	93	77	58	41	23	11
July 2026	91	70	48	30	14	5	91	70	48	30	14	5	91	70	48	30	14	5
July 2027	89	64	40	22	8	2	89	64	40	22	8	2	89	65	40	22	8	2
July 2028	87	59	33	16	5	1	87	59	33	16	5	1	87	59	33	16	5	1
July 2029	85	54	27	12	3	0	85	54	27	12	3	0	85	54	27	12	3	0
July 2030	83	49	22	8	2	0	83	49	22	8	2	0	83	49	22	9	2	0
July 2031	80	44	18	6	1	0	80	44	18	6	1	0	80	45	18	6	1	0
July 2032	78	40	15	4	1	0	78	40	15	4	1	0	78	40	15	4	1	0
July 2033	75	36	12	3	0	0	75	36	12	3	0	0	75	36	12	3	0	0
July 2034	72	33	10	2	0	0	72	33	10	2	0	0	72	33	10	2	0	0
July 2035	69	29	8	2	0	0	69	29	8	2	0	0	69	30	8	2	0	0
July 2036	66	26	7	1	0	0	66	26	6	1	0	0	66	26	7	1	0	0
July 2037	63	23	5	1	0	0	63	23	5	1	0	0	63	24	5	1	0	0
July 2038	60	21	4	1	0	0	60	21	4	1	0	0	60	21	4	1	0	0
July 2039	56	18	3	0	0	0	56	18	3	0	0	0	56	18	3	0	0	0
July 2040	53	16	3	0	0	0	53	16	3	0	0	0	53	16	3	0	0	0
July 2041	49	14	2	0	0	0	49	14	2	0	0	0	49	14	2	0	0	0
July 2042	45	12	2	0	0	0	45	12	2	0	0	0	45	12	2	0	0	0
July 2043	41	10	1	0	0	0	41	10	1	0	0	0	41	10	1	0	0	0
July 2044	36	8	1	0	0	0	36	8	1	0	0	0	36	8	1	0	0	0
July 2045	32	7	1	0	0	0	32	7	1	0	0	0	32	7	1	0	0	0
July 2046	27	5	0	0	0	0	27	5	0	0	0	0	27	6	1	0	0	0
July 2047	22	4	0	0	0	0	22	4	0	0	0	0	22	4	0	0	0	0
July 2048	17	3	0	0	0	0	17	3	0	0	0	0	17	3	0	0	0	0
July 2049	12	2	0	0	0	0	12	2	0	0	0	0	12	2	0	0	0	0
July 2050	6	1	0	0	0	0	6	1	0	0	0	0	6	1	0	0	0	0
July 2051	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	18.3	10.5	6.2	4.2	3.0	2.3	18.3	10.5	6.2	4.2	3.0	2.3	18.3	10.5	6.2	4.3	3.0	2.3

Security Group 5
PSA Prepayment Assumption Rates

	Class SA						Class SB					
Distribution Date	**0%**	**100%**	**250%**	**415%**	**650%**	**900%**	**0%**	**100%**	**250%**	**415%**	**650%**	**900%**
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100
July 2022	98	97	94	92	88	85	98	97	94	92	88	85
July 2023	97	91	83	75	64	53	97	91	83	75	64	53
July 2024	95	84	70	56	39	25	95	84	70	56	39	25
July 2025	93	77	58	41	23	11	93	77	58	41	23	11
July 2026	91	70	48	30	14	5	91	70	48	30	14	5
July 2027	89	64	40	22	8	2	89	64	40	22	8	2
July 2028	87	59	33	16	5	1	87	59	33	16	5	1
July 2029	85	54	27	12	3	0	85	54	27	12	3	0
July 2030	83	49	22	8	2	0	83	49	22	8	2	0
July 2031	80	44	18	6	1	0	80	44	18	6	1	0
July 2032	78	40	15	4	1	0	78	40	15	4	1	0
July 2033	75	36	12	3	0	0	75	36	12	3	0	0
July 2034	72	33	10	2	0	0	72	33	10	2	0	0
July 2035	69	29	8	2	0	0	69	29	8	2	0	0
July 2036	66	26	6	1	0	0	66	26	6	1	0	0
July 2037	63	23	5	1	0	0	63	23	5	1	0	0
July 2038	60	21	4	1	0	0	60	21	4	1	0	0
July 2039	56	18	3	0	0	0	56	18	3	0	0	0
July 2040	53	16	3	0	0	0	53	16	3	0	0	0
July 2041	49	14	2	0	0	0	49	14	2	0	0	0
July 2042	45	12	2	0	0	0	45	12	2	0	0	0
July 2043	41	10	1	0	0	0	41	10	1	0	0	0
July 2044	36	8	1	0	0	0	36	8	1	0	0	0
July 2045	32	7	1	0	0	0	32	7	1	0	0	0
July 2046	27	5	0	0	0	0	27	5	0	0	0	0
July 2047	22	4	0	0	0	0	22	4	0	0	0	0
July 2048	17	3	0	0	0	0	17	3	0	0	0	0
July 2049	12	2	0	0	0	0	12	2	0	0	0	0
July 2050	6	1	0	0	0	0	6	1	0	0	0	0
July 2051	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	18.3	10.5	6.2	4.2	3.0	2.3	18.3	10.5	6.2	4.2	3.0	2.3

Security Group 6
PSA Prepayment Assumption Rates

	Classes NA and NI						Class YZ						Class ZX					
Distribution Date	**0%**	**100%**	**370%**	**420%**	**460%**	**900%**	**0%**	**100%**	**370%**	**420%**	**460%**	**900%**	**0%**	**100%**	**370%**	**420%**	**460%**	**900%**
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2022	97	92	80	80	80	80	103	103	103	94	86	1	103	103	103	103	103	103
July 2023	94	82	55	55	55	38	106	106	106	87	71	0	106	106	106	106	106	106
July 2024	92	73	35	35	35	17	109	109	109	85	67	0	109	109	109	109	109	109
July 2025	88	64	20	20	20	8	113	113	112	87	68	0	113	113	113	113	113	113
July 2026	85	55	9	9	9	3	116	116	112	87	71	0	116	116	116	116	116	116
July 2027	82	47	1	1	1	2	120	120	109	88	73	0	120	120	120	120	120	120
July 2028	78	40	0	0	0	1	123	123	85	65	53	0	123	123	0	0	0	123
July 2029	75	33	0	0	0	0	127	127	64	47	37	0	127	127	0	0	0	127
July 2030	71	26	0	0	0	0	131	131	48	34	26	0	131	131	0	0	0	131
July 2031	67	20	0	0	0	0	135	135	36	25	18	0	135	135	0	0	0	135
July 2032	63	14	0	0	0	0	139	139	27	18	13	0	139	139	0	0	0	139
July 2033	59	8	0	0	0	0	143	143	20	13	9	0	143	143	0	0	0	143
July 2034	54	3	0	0	0	0	148	148	15	9	6	0	148	148	0	0	0	148
July 2035	50	0	0	0	0	0	152	142	11	6	4	0	152	0	0	0	0	88
July 2036	45	0	0	0	0	0	157	126	8	5	3	0	157	0	0	0	0	38
July 2037	40	0	0	0	0	0	162	112	6	3	2	0	162	0	0	0	0	17
July 2038	35	0	0	0	0	0	166	98	4	2	1	0	166	0	0	0	0	7
July 2039	29	0	0	0	0	0	171	85	3	2	1	0	171	0	0	0	0	3
July 2040	23	0	0	0	0	0	177	74	2	1	1	0	177	0	0	0	0	1
July 2041	17	0	0	0	0	0	182	63	2	1	0	0	182	0	0	0	0	1
July 2042	11	0	0	0	0	0	188	53	1	0	0	0	188	0	0	0	0	0
July 2043	5	0	0	0	0	0	193	44	1	0	0	0	193	0	0	0	0	0
July 2044	0	0	0	0	0	0	190	36	1	0	0	0	0	0	0	0	0	0
July 2045	0	0	0	0	0	0	167	28	0	0	0	0	0	0	0	0	0	0
July 2046	0	0	0	0	0	0	142	21	0	0	0	0	0	0	0	0	0	0
July 2047	0	0	0	0	0	0	116	14	0	0	0	0	0	0	0	0	0	0
July 2048	0	0	0	0	0	0	89	8	0	0	0	0	0	0	0	0	0	0
July 2049	0	0	0	0	0	0	61	3	0	0	0	0	0	0	0	0	0	0
July 2050	0	0	0	0	0	0	31	0	0	0	0	0	0	0	0	0	0	0
July 2051	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	13.1	6.1	2.5	2.5	2.5	2.0	26.6	19.6	9.4	8.0	6.5	0.5	22.7	13.6	6.1	6.1	6.1	14.6

Security Group 7
PSA Prepayment Assumption Rates

Distribution Date	Classes FH and H						Class HS						Class SK					
	0%	100%	250%	422%	650%	900%	0%	100%	250%	422%	650%	900%	0%	100%	250%	422%	650%	900%
Initial Percent . . .	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2022	98	96	92	88	82	76	98	97	95	92	89	86	98	94	89	83	76	67
July 2023	97	89	79	69	56	43	97	91	84	76	66	55	97	87	75	62	47	32
July 2024	95	82	66	50	34	20	95	84	70	56	40	26	95	80	62	45	28	14
July 2025	93	75	55	37	20	9	93	77	58	41	24	12	93	73	52	33	17	6
July 2026	91	69	45	27	12	4	91	71	48	30	14	5	91	67	43	24	10	3
July 2027	89	63	38	19	7	2	89	65	40	22	8	2	89	61	35	17	6	1
July 2028	87	57	31	14	4	1	87	59	33	16	5	1	87	56	29	13	3	1
July 2029	85	52	26	10	2	0	85	54	27	11	3	0	85	51	24	9	2	0
July 2030	83	48	21	7	1	0	83	49	22	8	2	0	83	46	20	7	1	0
July 2031	80	43	17	5	1	0	80	45	18	6	1	0	80	42	16	5	1	0
July 2032	78	39	14	4	1	0	78	40	15	4	1	0	78	38	13	3	0	0
July 2033	75	35	11	3	0	0	75	36	12	3	0	0	75	34	11	2	0	0
July 2034	72	32	9	2	0	0	72	33	10	2	0	0	72	31	9	2	0	0
July 2035	69	28	8	1	0	0	69	29	8	2	0	0	69	27	7	1	0	0
July 2036	66	25	6	1	0	0	66	26	7	1	0	0	66	24	6	1	0	0
July 2037	63	22	5	1	0	0	63	23	5	1	0	0	63	22	5	1	0	0
July 2038	60	20	4	0	0	0	60	21	4	1	0	0	60	19	4	0	0	0
July 2039	56	17	3	0	0	0	56	18	3	0	0	0	56	17	3	0	0	0
July 2040	53	15	2	0	0	0	53	16	3	0	0	0	53	14	2	0	0	0
July 2041	49	13	2	0	0	0	49	14	2	0	0	0	49	12	2	0	0	0
July 2042	45	11	1	0	0	0	45	12	2	0	0	0	45	10	1	0	0	0
July 2043	41	9	1	0	0	0	41	10	1	0	0	0	41	9	1	0	0	0
July 2044	36	8	1	0	0	0	36	8	1	0	0	0	36	7	1	0	0	0
July 2045	32	6	1	0	0	0	32	7	1	0	0	0	32	5	1	0	0	0
July 2046	27	5	0	0	0	0	27	5	0	0	0	0	27	4	0	0	0	0
July 2047	22	3	0	0	0	0	22	4	0	0	0	0	22	3	0	0	0	0
July 2048	17	2	0	0	0	0	17	3	0	0	0	0	17	2	0	0	0	0
July 2049	12	1	0	0	0	0	12	2	0	0	0	0	12	1	0	0	0	0
July 2050	6	0	0	0	0	0	6	1	0	0	0	0	6	0	0	0	0	0
July 2051	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	18.3	10.2	5.9	3.9	2.7	2.0	18.3	10.5	6.2	4.2	3.0	2.4	18.3	9.9	5.6	3.6	2.4	1.7

Security Group 8
PSA Prepayment Assumption Rates

Distribution Date	Classes HA and IA					Classes HB and IB					Class HI				
	0%	100%	354%	600%	800%	0%	100%	354%	600%	800%	0%	100%	354%	600%	800%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2022	98	96	92	89	85	98	96	92	88	85	98	96	92	88	85
July 2023	96	90	77	65	56	96	90	77	65	56	96	90	77	65	56
July 2024	94	83	59	40	27	94	82	59	40	27	94	83	59	40	27
July 2025	92	75	44	23	12	92	75	44	23	12	92	75	44	23	12
July 2026	90	69	33	13	4	90	68	33	13	4	90	69	33	13	4
July 2027	88	62	24	6	0	88	62	24	6	0	88	62	24	6	0
July 2028	85	56	17	2	0	85	56	17	2	0	85	56	17	2	0
July 2029	83	51	12	0	0	83	51	12	0	0	83	51	12	0	0
July 2030	80	46	8	0	0	80	46	8	0	0	80	46	8	0	0
July 2031	78	41	5	0	0	78	41	5	0	0	78	41	5	0	0
July 2032	75	37	3	0	0	75	37	3	0	0	75	37	3	0	0
July 2033	72	33	1	0	0	72	33	1	0	0	72	33	1	0	0
July 2034	69	29	0	0	0	69	29	0	0	0	69	29	0	0	0
July 2035	66	26	0	0	0	66	26	0	0	0	66	26	0	0	0
July 2036	63	23	0	0	0	63	22	0	0	0	63	22	0	0	0
July 2037	60	20	0	0	0	60	19	0	0	0	60	19	0	0	0
July 2038	56	17	0	0	0	56	17	0	0	0	56	17	0	0	0
July 2039	53	14	0	0	0	53	14	0	0	0	53	14	0	0	0
July 2040	49	12	0	0	0	49	12	0	0	0	49	12	0	0	0
July 2041	45	10	0	0	0	45	10	0	0	0	45	10	0	0	0
July 2042	41	8	0	0	0	41	8	0	0	0	41	8	0	0	0
July 2043	37	6	0	0	0	37	6	0	0	0	37	6	0	0	0
July 2044	32	4	0	0	0	32	4	0	0	0	32	4	0	0	0
July 2045	28	3	0	0	0	28	3	0	0	0	28	3	0	0	0
July 2046	23	1	0	0	0	23	1	0	0	0	23	1	0	0	0
July 2047	18	0	0	0	0	18	0	0	0	0	18	0	0	0	0
July 2048	13	0	0	0	0	13	0	0	0	0	13	0	0	0	0
July 2049	7	0	0	0	0	7	0	0	0	0	7	0	0	0	0
July 2050	2	0	0	0	0	2	0	0	0	0	2	0	0	0	0
July 2051	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	17.4	9.6	4.3	2.9	2.3	17.4	9.6	4.3	2.9	2.3	17.4	9.6	4.3	2.9	2.3

Security Group 8
PSA Prepayment Assumption Rates

Distribution Date	Class HL					Class LM					Class LN				
	0%	100%	354%	600%	800%	0%	100%	354%	600%	800%	0%	100%	354%	600%	800%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2022	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2023	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2024	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2025	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2026	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2027	100	100	100	100	94	100	100	100	100	94	100	100	100	100	94
July 2028	100	100	100	100	47	100	100	100	100	47	100	100	100	100	47
July 2029	100	100	100	95	24	100	100	100	95	24	100	100	100	95	24
July 2030	100	100	100	59	12	100	100	100	59	12	100	100	100	59	12
July 2031	100	100	100	36	6	100	100	100	36	6	100	100	100	36	6
July 2032	100	100	100	22	3	100	100	100	22	3	100	100	100	22	3
July 2033	100	100	100	14	2	100	100	100	14	2	100	100	100	14	2
July 2034	100	100	96	8	1	100	100	96	8	1	100	100	96	8	1
July 2035	100	100	72	5	0	100	100	72	5	0	100	100	72	5	0
July 2036	100	100	54	3	0	100	100	54	3	0	100	100	54	3	0
July 2037	100	100	40	2	0	100	100	40	2	0	100	100	40	2	0
July 2038	100	100	30	1	0	100	100	30	1	0	100	100	30	1	0
July 2039	100	100	22	1	0	100	100	22	1	0	100	100	22	1	0
July 2040	100	100	16	0	0	100	100	16	0	0	100	100	16	0	0
July 2041	100	100	12	0	0	100	100	12	0	0	100	100	12	0	0
July 2042	100	100	8	0	0	100	100	8	0	0	100	100	8	0	0
July 2043	100	100	6	0	0	100	100	6	0	0	100	100	6	0	0
July 2044	100	100	4	0	0	100	100	4	0	0	100	100	4	0	0
July 2045	100	100	3	0	0	100	100	3	0	0	100	100	3	0	0
July 2046	100	100	2	0	0	100	100	2	0	0	100	100	2	0	0
July 2047	100	96	1	0	0	100	96	1	0	0	100	95	1	0	0
July 2048	100	68	1	0	0	100	68	1	0	0	100	68	1	0	0
July 2049	100	43	0	0	0	100	43	0	0	0	100	42	0	0	0
July 2050	100	19	0	0	0	100	20	0	0	0	100	19	0	0	0
July 2051	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	29.6	27.8	16.2	10.0	7.4	29.6	27.8	16.2	10.0	7.4	29.6	27.8	16.2	10.0	7.4

Security Group 9
PSA Prepayment Assumption Rates

Distribution Date	Classes AG and AI					Class AL				
	0%	100%	354%	600%	800%	0%	100%	354%	600%	800%
Initial Percent	100	100	100	100	100	100	100	100	100	100
July 2022	98	96	90	85	81	100	100	100	100	100
July 2023	96	89	74	60	49	100	100	100	100	100
July 2024	94	81	56	36	23	100	100	100	100	100
July 2025	92	74	42	21	10	100	100	100	100	100
July 2026	90	68	32	12	4	100	100	100	100	100
July 2027	88	62	23	6	0	100	100	100	100	100
July 2028	86	56	17	3	0	100	100	100	100	55
July 2029	83	51	12	1	0	100	100	100	100	28
July 2030	81	46	9	0	0	100	100	100	72	14
July 2031	78	41	6	0	0	100	100	100	44	7
July 2032	75	37	4	0	0	100	100	100	27	4
July 2033	73	33	2	0	0	100	100	100	17	2
July 2034	70	29	1	0	0	100	100	100	10	1
July 2035	67	26	0	0	0	100	100	92	6	0
July 2036	63	23	0	0	0	100	100	69	4	0
July 2037	60	20	0	0	0	100	100	51	2	0
July 2038	57	17	0	0	0	100	100	38	1	0
July 2039	53	15	0	0	0	100	100	28	1	0
July 2040	49	12	0	0	0	100	100	20	0	0
July 2041	45	10	0	0	0	100	100	15	0	0
July 2042	41	8	0	0	0	100	100	11	0	0
July 2043	37	6	0	0	0	100	100	7	0	0
July 2044	33	5	0	0	0	100	100	5	0	0
July 2045	28	3	0	0	0	100	100	3	0	0
July 2046	24	2	0	0	0	100	100	2	0	0
July 2047	19	1	0	0	0	100	100	1	0	0
July 2048	14	0	0	0	0	100	82	1	0	0
July 2049	8	0	0	0	0	100	48	0	0	0
July 2050	3	0	0	0	0	100	17	0	0	0
July 2051	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	17.6	9.6	4.2	2.7	2.2	29.7	28.0	17.0	10.4	7.6

Security Group 10
PSA Prepayment Assumption Rates

Distribution Date	Classes GA, GI and GQ					Class GZ					Class Z				
	0%	200%	300%	400%	600%	0%	200%	300%	400%	600%	0%	200%	300%	400%	600%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2022	96	81	81	81	78	105	105	105	105	105	105	105	76	46	0
July 2023	92	65	65	65	49	109	109	109	109	109	109	109	61	16	0
July 2024	88	50	50	50	30	114	114	114	114	114	114	114	54	3	0
July 2025	83	37	37	37	19	120	120	120	120	120	120	119	53	0	0
July 2026	78	27	27	27	11	125	125	125	125	125	125	119	51	0	0
July 2027	73	20	20	20	7	131	131	131	131	131	131	115	47	0	0
July 2028	68	14	14	14	4	137	137	137	137	137	137	107	42	0	0
July 2029	63	10	10	10	2	143	143	143	143	143	143	98	37	0	0
July 2030	57	7	7	7	1	150	150	150	150	150	150	87	31	0	0
July 2031	51	5	5	5	0	157	157	157	157	157	157	77	26	0	0
July 2032	45	3	3	3	0	164	164	164	164	114	164	67	22	0	0
July 2033	38	2	2	2	0	171	171	171	171	69	171	58	18	0	0
July 2034	31	1	1	1	0	179	179	179	179	42	179	49	15	0	0
July 2035	24	0	0	0	0	188	188	188	188	25	188	42	12	0	0
July 2036	16	0	0	0	0	196	194	194	194	15	196	35	9	0	0
July 2037	8	0	0	0	0	205	135	135	135	9	205	28	7	0	0
July 2038	0	0	0	0	0	215	93	93	93	5	215	23	5	0	0
July 2039	0	0	0	0	0	63	63	63	63	3	194	18	4	0	0
July 2040	0	0	0	0	0	41	41	41	41	2	169	14	3	0	0
July 2041	0	0	0	0	0	27	27	27	27	1	142	10	2	0	0
July 2042	0	0	0	0	0	16	16	16	16	0	114	7	1	0	0
July 2043	0	0	0	0	0	9	9	9	9	0	85	5	1	0	0
July 2044	0	0	0	0	0	4	4	4	4	0	54	3	0	0	0
July 2045	0	0	0	0	0	1	1	1	1	0	21	1	0	0	0
July 2046	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2047	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2048	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	9.6	3.8	3.8	3.8	2.5	18.0	17.5	17.5	17.5	12.3	21.1	12.5	6.3	1.1	0.4

Security Group 11
PSA Prepayment Assumption Rates

Distribution Date	Classes A and IM					Classes B and MI					Class BL				
	0%	100%	354%	600%	800%	0%	100%	354%	600%	800%	0%	100%	354%	600%	800%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2022	98	96	92	88	85	98	95	89	83	78	100	100	100	100	100
July 2023	96	90	77	64	55	96	88	71	56	45	100	100	100	100	100
July 2024	94	82	58	38	25	94	80	53	33	19	100	100	100	100	100
July 2025	92	75	43	21	10	92	73	39	18	7	100	100	100	100	100
July 2026	90	68	31	11	2	90	66	29	9	0	100	100	100	100	100
July 2027	88	61	22	4	0	88	60	20	3	0	100	100	100	100	51
July 2028	85	55	16	0	0	85	54	14	0	0	100	100	100	88	26
July 2029	83	50	10	0	0	83	48	9	0	0	100	100	100	55	13
July 2030	80	45	6	0	0	80	43	5	0	0	100	100	100	34	6
July 2031	77	40	3	0	0	77	39	2	0	0	100	100	100	21	3
July 2032	75	35	1	0	0	75	34	0	0	0	100	100	100	13	2
July 2033	72	31	0	0	0	72	30	0	0	0	100	100	78	8	1
July 2034	69	27	0	0	0	69	26	0	0	0	100	100	58	5	0
July 2035	65	24	0	0	0	65	23	0	0	0	100	100	44	3	0
July 2036	62	20	0	0	0	62	20	0	0	0	100	100	33	2	0
July 2037	59	17	0	0	0	59	17	0	0	0	100	100	24	1	0
July 2038	55	15	0	0	0	55	14	0	0	0	100	100	18	1	0
July 2039	52	12	0	0	0	52	11	0	0	0	100	100	13	0	0
July 2040	48	10	0	0	0	48	9	0	0	0	100	100	10	0	0
July 2041	44	7	0	0	0	44	7	0	0	0	100	100	7	0	0
July 2042	39	5	0	0	0	39	5	0	0	0	100	100	5	0	0
July 2043	35	3	0	0	0	35	3	0	0	0	100	100	3	0	0
July 2044	31	2	0	0	0	31	1	0	0	0	100	100	2	0	0
July 2045	26	0	0	0	0	26	0	0	0	0	100	96	2	0	0
July 2046	21	0	0	0	0	21	0	0	0	0	100	75	1	0	0
July 2047	16	0	0	0	0	16	0	0	0	0	100	55	1	0	0
July 2048	11	0	0	0	0	11	0	0	0	0	100	37	0	0	0
July 2049	5	0	0	0	0	5	0	0	0	0	100	21	0	0	0
July 2050	0	0	0	0	0	0	0	0	0	0	90	6	0	0	0
July 2051	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	17.2	9.2	4.1	2.8	2.3	17.2	9.0	3.8	2.5	2.0	29.5	26.4	14.5	8.8	6.5

Security Group 11
PSA Prepayment Assumption Rates

	Class CL					Class MB					Class ML				
Distribution Date	**0%**	**100%**	**354%**	**600%**	**800%**	**0%**	**100%**	**354%**	**600%**	**800%**	**0%**	**100%**	**354%**	**600%**	**800%**
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2022	100	100	100	100	100	98	96	91	87	83	100	100	100	100	100
July 2023	100	100	100	100	100	96	89	75	62	52	100	100	100	100	100
July 2024	100	100	100	100	100	94	82	56	37	24	100	100	100	100	100
July 2025	100	100	100	100	100	92	74	42	20	9	100	100	100	100	100
July 2026	100	100	100	100	100	90	67	30	10	1	100	100	100	100	100
July 2027	100	100	100	100	62	88	61	22	4	0	100	100	100	100	59
July 2028	100	100	100	100	31	85	55	15	0	0	100	100	100	96	30
July 2029	100	100	100	63	16	83	49	10	0	0	100	100	100	60	15
July 2030	100	100	100	39	8	80	44	6	0	0	100	100	100	37	8
July 2031	100	100	100	24	4	77	39	3	0	0	100	100	100	23	4
July 2032	100	100	100	15	2	75	35	1	0	0	100	100	100	14	2
July 2033	100	100	84	9	1	72	31	0	0	0	100	100	82	9	1
July 2034	100	100	63	6	0	69	27	0	0	0	100	100	62	5	0
July 2035	100	100	47	3	0	65	23	0	0	0	100	100	46	3	0
July 2036	100	100	35	2	0	62	20	0	0	0	100	100	35	2	0
July 2037	100	100	26	1	0	59	17	0	0	0	100	100	26	1	0
July 2038	100	100	19	1	0	55	14	0	0	0	100	100	19	1	0
July 2039	100	100	14	0	0	52	12	0	0	0	100	100	14	0	0
July 2040	100	100	10	0	0	48	9	0	0	0	100	100	10	0	0
July 2041	100	100	8	0	0	44	7	0	0	0	100	100	7	0	0
July 2042	100	100	5	0	0	39	5	0	0	0	100	100	5	0	0
July 2043	100	100	4	0	0	35	3	0	0	0	100	100	4	0	0
July 2044	100	100	3	0	0	31	2	0	0	0	100	100	3	0	0
July 2045	100	100	2	0	0	26	0	0	0	0	100	99	2	0	0
July 2046	100	78	1	0	0	21	0	0	0	0	100	77	1	0	0
July 2047	100	58	1	0	0	16	0	0	0	0	100	57	1	0	0
July 2048	100	40	0	0	0	11	0	0	0	0	100	39	0	0	0
July 2049	100	23	0	0	0	5	0	0	0	0	100	22	0	0	0
July 2050	90	7	0	0	0	0	0	0	0	0	90	7	0	0	0
July 2051	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	29.5	26.6	14.8	9.1	6.8	17.2	9.1	4.0	2.7	2.2	29.5	26.5	14.7	9.0	6.7

Security Groups 8, 9 and 11
PSA Prepayment Assumption Rates

	Class LH				
Distribution Date	**0%**	**100%**	**354%**	**600%**	**800%**
Initial Percent	100	100	100	100	100
July 2022	100	100	100	100	100
July 2023	100	100	100	100	100
July 2024	100	100	100	100	100
July 2025	100	100	100	100	100
July 2026	100	100	100	100	100
July 2027	100	100	100	100	76
July 2028	100	100	100	98	39
July 2029	100	100	100	78	20
July 2030	100	100	100	49	10
July 2031	100	100	100	31	5
July 2032	100	100	100	19	2
July 2033	100	100	91	12	1
July 2034	100	100	79	7	1
July 2035	100	100	61	4	0
July 2036	100	100	46	3	0
July 2037	100	100	34	2	0
July 2038	100	100	25	1	0
July 2039	100	100	19	1	0
July 2040	100	100	14	0	0
July 2041	100	100	10	0	0
July 2042	100	100	7	0	0
July 2043	100	100	5	0	0
July 2044	100	100	3	0	0
July 2045	100	99	2	0	0
July 2046	100	88	2	0	0
July 2047	100	76	1	0	0
July 2048	100	55	1	0	0
July 2049	100	33	0	0	0
July 2050	95	12	0	0	0
July 2051	0	0	0	0	0
Weighted Average Life (years)	29.6	27.1	15.5	9.5	7.1

Security Group 12
PSA Prepayment Assumption Rates

	Classes IL and QL					
Distribution Date	**0%**	**100%**	**300%**	**464%**	**750%**	**1,000%**
Initial Percent . . .	100	100	100	100	100	100
July 2022	98	96	93	90	85	81
July 2023	96	90	80	71	58	46
July 2024	94	83	64	51	31	19
July 2025	91	76	51	36	17	7
July 2026	89	70	41	25	9	3
July 2027	87	64	33	18	5	1
July 2028	84	58	26	12	3	0
July 2029	82	53	21	9	1	0
July 2030	79	48	16	6	1	0
July 2031	76	44	13	4	0	0
July 2032	73	40	10	3	0	0
July 2033	70	36	8	2	0	0
July 2034	67	32	6	1	0	0
July 2035	64	29	5	1	0	0
July 2036	61	26	4	1	0	0
July 2037	58	23	3	0	0	0
July 2038	54	20	2	0	0	0
July 2039	51	18	2	0	0	0
July 2040	47	15	1	0	0	0
July 2041	43	13	1	0	0	0
July 2042	39	11	1	0	0	0
July 2043	35	10	1	0	0	0
July 2044	31	8	0	0	0	0
July 2045	26	6	0	0	0	0
July 2046	22	5	0	0	0	0
July 2047	17	4	0	0	0	0
July 2048	12	2	0	0	0	0
July 2049	7	1	0	0	0	0
July 2050	2	0	0	0	0	0
July 2051	0	0	0	0	0	0
Weighted Average Life (years)	17.1	10.3	5.3	3.8	2.6	2.1

Security Group 13
PSA Prepayment Assumption Rates

	Classes L, LA, LB, LC, LE, LG and LI					Class LZ					Class ZL				
Distribution Date	**0%**	**225%**	**275%**	**325%**	**600%**	**0%**	**225%**	**275%**	**325%**	**600%**	**0%**	**225%**	**275%**	**325%**	**600%**
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2022	97	92	92	92	92	103	103	103	103	103	103	103	99	95	76
July 2023	93	79	79	79	79	105	105	105	105	105	105	105	93	82	21
July 2024	89	62	62	62	53	108	108	108	108	108	108	108	87	67	0
July 2025	86	47	47	47	33	111	111	111	111	111	111	111	84	59	0
July 2026	82	34	34	34	21	113	113	113	113	113	113	113	83	56	0
July 2027	78	23	23	23	13	116	116	116	116	116	116	116	84	57	0
July 2028	74	14	14	14	8	119	119	119	119	119	119	116	85	59	0
July 2029	70	7	7	7	5	122	122	122	122	122	122	115	84	60	0
July 2030	66	2	2	2	3	125	125	125	125	125	125	112	84	62	0
July 2031	61	0	0	0	2	128	0	0	0	128	128	99	72	52	0
July 2032	57	0	0	0	1	132	0	0	0	132	132	82	58	41	0
July 2033	52	0	0	0	1	135	0	0	0	135	135	68	47	31	0
July 2034	47	0	0	0	0	138	0	0	0	138	138	56	37	24	0
July 2035	42	0	0	0	0	142	0	0	0	142	142	46	30	19	0
July 2036	37	0	0	0	0	145	0	0	0	145	145	38	23	14	0
July 2037	32	0	0	0	0	149	0	0	0	149	149	31	19	11	0
July 2038	27	0	0	0	0	153	0	0	0	153	153	25	15	8	0
July 2039	21	0	0	0	0	157	0	0	0	157	157	21	11	6	0
July 2040	16	0	0	0	0	161	0	0	0	161	161	16	9	5	0
July 2041	10	0	0	0	0	165	0	0	0	165	165	13	7	3	0
July 2042	4	0	0	0	0	169	0	0	0	169	169	10	5	2	0
July 2043	0	0	0	0	0	0	0	0	0	116	165	8	4	2	0
July 2044	0	0	0	0	0	0	0	0	0	65	146	6	3	1	0
July 2045	0	0	0	0	0	0	0	0	0	36	127	5	2	1	0
July 2046	0	0	0	0	0	0	0	0	0	20	106	3	1	1	0
July 2047	0	0	0	0	0	0	0	0	0	10	86	2	1	0	0
July 2048	0	0	0	0	0	0	0	0	0	5	64	2	1	0	0
July 2049	0	0	0	0	0	0	0	0	0	2	42	1	0	0	0
July 2050	0	0	0	0	0	0	0	0	0	1	20	0	0	0	0
July 2051	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	11.9	4.1	4.1	4.1	3.6	21.6	9.4	9.4	9.4	23.0	25.9	14.1	11.7	8.6	1.5

Security Group 14
PSA Prepayment Assumption Rates

Distribution Date	Classes GT and IT					
	0%	100%	300%	547%	800%	1,100%
Initial Percent	100	100	100	100	100	100
July 2022	98	96	93	90	86	81
July 2023	96	91	81	69	58	45
July 2024	94	83	65	46	30	16
July 2025	93	76	52	30	15	5
July 2026	90	70	41	20	8	2
July 2027	88	64	33	13	4	1
July 2028	86	58	26	8	2	0
July 2029	84	53	21	5	1	0
July 2030	81	48	17	4	0	0
July 2031	79	44	13	2	0	0
July 2032	76	39	10	1	0	0
July 2033	73	36	8	1	0	0
July 2034	71	32	6	1	0	0
July 2035	68	29	5	0	0	0
July 2036	65	26	4	0	0	0
July 2037	61	23	3	0	0	0
July 2038	58	20	2	0	0	0
July 2039	55	18	2	0	0	0
July 2040	51	15	1	0	0	0
July 2041	47	13	1	0	0	0
July 2042	43	11	1	0	0	0
July 2043	39	10	1	0	0	0
July 2044	35	8	0	0	0	0
July 2045	31	7	0	0	0	0
July 2046	26	5	0	0	0	0
July 2047	21	4	0	0	0	0
July 2048	16	3	0	0	0	0
July 2049	11	2	0	0	0	0
July 2050	6	1	0	0	0	0
July 2051	0	0	0	0	0	0
Weighted Average Life (years)	17.9	10.3	5.4	3.4	2.6	2.0

Security Group 15
PSA Prepayment Assumption Rates

Distribution Date	Class CH					Classes P, PA, PB, PC, PD and PI					Class PL					Class IO				
	0%	165%	195%	225%	400%	0%	165%	195%	225%	400%	0%	165%	195%	225%	400%	0%	165%	195%	225%	400%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2022	100	100	95	91	64	98	95	95	95	95	100	100	100	100	100	98	95	95	95	92
July 2023	100	100	84	69	0	96	86	86	86	84	100	100	100	100	100	96	87	86	84	76
July 2024	100	100	71	43	0	94	74	74	74	62	100	100	100	100	100	94	77	74	71	57
July 2025	100	100	61	24	0	92	64	64	64	46	100	100	100	100	100	93	68	64	60	42
July 2026	100	100	54	11	0	89	55	55	55	34	100	100	100	100	100	90	59	55	51	31
July 2027	100	100	50	4	0	87	46	46	46	25	100	100	100	100	100	88	52	47	43	23
July 2028	100	100	48	0	0	84	39	39	39	18	100	100	100	100	100	86	45	40	36	17
July 2029	100	100	47	0	0	82	33	33	33	13	100	100	100	100	100	84	40	34	30	12
July 2030	100	98	45	0	0	79	27	27	27	9	100	100	100	100	100	81	34	29	25	9
July 2031	100	94	43	0	0	76	22	22	22	7	100	100	100	100	100	79	30	25	21	7
July 2032	100	89	40	0	0	73	18	18	18	5	100	100	100	100	100	76	26	21	17	5
July 2033	100	83	37	0	0	70	15	15	15	3	100	100	100	100	100	73	22	18	14	4
July 2034	100	77	34	0	0	67	12	12	12	2	100	100	100	100	100	71	19	15	12	3
July 2035	100	70	31	0	0	64	10	10	10	1	100	100	100	100	100	68	17	13	10	2
July 2036	100	63	28	0	0	60	8	8	8	1	100	100	100	100	100	65	14	11	8	1
July 2037	100	57	24	0	0	57	6	6	6	0	100	100	100	100	100	61	12	9	7	1
July 2038	100	50	21	0	0	53	5	5	5	0	100	100	100	100	83	58	10	7	5	1
July 2039	100	44	19	0	0	49	4	4	4	0	100	100	100	100	59	55	9	6	4	0
July 2040	100	38	16	0	0	45	3	3	3	0	100	100	100	100	42	51	7	5	3	0
July 2041	100	33	14	0	0	41	2	2	2	0	100	100	100	100	29	47	6	4	3	0
July 2042	100	28	11	0	0	37	1	1	1	0	100	100	100	100	20	43	5	3	2	0
July 2043	100	23	9	0	0	32	1	1	1	0	100	100	100	100	14	39	4	3	2	0
July 2044	100	19	8	0	0	27	0	0	0	0	100	100	100	100	9	35	3	2	1	0
July 2045	100	15	6	0	0	22	0	0	0	0	100	100	100	100	6	31	2	2	1	0
July 2046	100	12	4	0	0	17	0	0	0	0	100	82	82	82	4	26	2	1	1	0
July 2047	100	9	3	0	0	12	0	0	0	0	100	56	56	56	2	21	1	1	0	0
July 2048	100	6	2	0	0	6	0	0	0	0	100	36	36	36	1	16	1	1	0	0
July 2049	100	3	1	0	0	1	0	0	0	0	100	19	19	19	1	11	0	0	0	0
July 2050	58	1	0	0	0	0	0	0	0	0	6	6	6	6	0	6	0	0	0	0
July 2051	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	29.1	17.6	9.6	2.9	1.2	16.6	6.8	6.8	6.8	4.5	28.3	26.5	26.5	26.5	19.2	17.9	8.0	7.2	6.6	4.3

Yield Considerations

An investor seeking to maximize yield should make a decision whether to invest in any Regular or MX Class based on:

- the anticipated yield of that Class resulting from its purchase price,
- the investor's own projection of Mortgage Loan prepayment rates 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 LIBOR or Compounded SOFR, as applicable, under a variety of scenarios.

No representation is made regarding Mortgage Loan prepayment rates, LIBOR levels, Compounded 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.

LIBOR and Compounded SOFR: Effect on Yields of the Floating Rate and Inverse Floating Rate Classes

Low levels of LIBOR and Compounded SOFR, as applicable, can reduce the yield of the Floating Rate Classes. High levels of LIBOR and Compounded SOFR, as applicable, 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 LIBOR or Compounded SOFR, as applicable, 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 LIBOR and Compounded SOFR, as applicable.

The Mortgage Loans will not prepay at any constant rate until maturity, and it is unlikely that LIBOR or Compounded 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 LIBOR or Compounded SOFR, as applicable, 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 DI to Prepayments
Assumed Price 13.3125%*

PSA Prepayment Assumption Rates				
150%	**190%**	**225%**	**360%**	**400%**
8.2%	8.2%	8.2%	0.0%	(2.7)%

SECURITY GROUP 2

Sensitivity of Class CI to Prepayments
Assumed Price 13.125%*

PSA Prepayment Assumption Rates					
100%	**250%**	**393%**	**438%**	**650%**	**900%**
15.7%	7.8%	0.0%	(2.4)%	(14.4)%	(29.1)%

Sensitivity of Class EI to Prepayments
Assumed Price 13.125%*

PSA Prepayment Assumption Rates					
100%	**250%**	**393%**	**438%**	**650%**	**900%**
15.7%	7.8%	0.0%	(2.4)%	(14.4)%	(29.1)%

Sensitivity of Class IE to Prepayments
Assumed Price 13.125%*

PSA Prepayment Assumption Rates					
100%	**250%**	**393%**	**438%**	**650%**	**900%**
15.7%	7.8%	0.0%	(2.4)%	(14.4)%	(29.1)%

Sensitivity of Class XI to Prepayments
Assumed Price 13.125%*

PSA Prepayment Assumption Rates					
100%	**250%**	**393%**	**438%**	**650%**	**900%**
15.7%	7.8%	0.0%	(2.4)%	(14.4)%	(29.1)%

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

SECURITY GROUP 3

Sensitivity of Class YS to Prepayments
Assumed Price 2.640625%*

	PSA Prepayment Assumption Rates				
LIBOR	**100%**	**300%**	**522%**	**800%**	**1,100%**
0.010%	65.7%	57.0%	47.2%	34.6%	20.7%
0.096%	61.6%	52.8%	42.9%	30.1%	16.1%
0.898%	25.1%	15.0%	3.4%	(11.6)%	(28.4)%
1.700% and above	**	**	**	**	**

SECURITY GROUP 4

Sensitivity of Class ID to Prepayments
Assumed Price 8.875%*

PSA Prepayment Assumption Rates					
100%	**250%**	**422%**	**505%**	**650%**	**900%**
31.5%	20.4%	6.9%	0.0%	(12.6)%	(36.8)%

Sensitivity of Class SG to Prepayments
Assumed Price 19.25%*

	PSA Prepayment Assumption Rates				
LIBOR	**100%**	**250%**	**422%**	**650%**	**900%**
0.01%	27.4%	19.7%	10.7%	(1.8)%	(15.9)%
0.10%	26.9%	19.2%	10.1%	(2.4)%	(16.6)%
3.20%	8.4%	0.1%	(9.8)%	(23.6)%	(39.7)%
6.30% and above	**	**	**	**	**

Sensitivity of Class SH to Prepayments
Assumed Price 23.625%*

	PSA Prepayment Assumption Rates				
LIBOR	**100%**	**250%**	**422%**	**650%**	**900%**
0.01%	20.3%	12.2%	2.6%	(10.7)%	(26.0)%
0.10%	19.8%	11.7%	2.1%	(11.2)%	(26.6)%
3.20%	4.7%	(3.8)%	(14.0)%	(28.4)%	(45.4)%
6.30% 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 5

Sensitivity of Class JS to Prepayments
Assumed Price 7.03125%*

	PSA Prepayment Assumption Rates				
Compounded SOFR	**100%**	**250%**	**415%**	**650%**	**900%**
0.010%	32.3%	25.0%	16.8%	4.7%	(8.4)%
0.050%	31.6%	24.3%	16.1%	4.0%	(9.2)%
1.325%	10.7%	2.7%	(6.5)%	(20.2)%	(35.5)%
2.600% and above	**	**	**	**	**

Sensitivity of Class SA to Prepayments
Assumed Price 6.8125%*

	PSA Prepayment Assumption Rates				
Compounded SOFR	**100%**	**250%**	**415%**	**650%**	**900%**
0.010%	33.6%	26.4%	18.2%	6.3%	(6.8)%
0.050%	33.0%	25.7%	17.5%	5.5%	(7.6)%
1.325%	11.3%	3.3%	(5.8)%	(19.4)%	(34.7)%
2.600% and above	**	**	**	**	**

Sensitivity of Class SB to Prepayments
Assumed Price 7.9375%*

	PSA Prepayment Assumption Rates				
Compounded SOFR	**100%**	**250%**	**415%**	**650%**	**900%**
0.010%	27.3%	19.8%	11.4%	(1.0)%	(14.5)%
0.050%	26.7%	19.2%	10.8%	(1.6)%	(15.2)%
1.325%	8.2%	0.0%	(9.3)%	(23.2)%	(38.8)%
2.600% and above	**	**	**	**	**

SECURITY GROUP 6

Sensitivity of Class NI to Prepayments
Assumed Price 8.5%*

PSA Prepayment Assumption Rates					
100%	**305%**	**370%**	**420%**	**460%**	**900%**
23.3%	0.0%	(7.6)%	(7.6)%	(7.6)%	(21.3)%

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

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

SECURITY GROUP 7

Sensitivity of Class HS to Prepayments
Assumed Price 21.55046875%*

	PSA Prepayment Assumption Rates				
LIBOR	100%	250%	422%	650%	900%
0.010%	23.3%	15.8%	7.0%	(5.0)%	(18.6)%
0.102%	22.9%	15.3%	6.5%	(5.6)%	(19.2)%
3.201%	6.2%	(1.9)%	(11.7)%	(25.2)%	(40.9)%
6.300% and above . . .	**	**	**	**	**

Sensitivity of Class SK to Prepayments
Assumed Price 12.375%*

	PSA Prepayment Assumption Rates				
LIBOR	100%	250%	422%	650%	900%
0.010%	47.5%	38.1%	26.8%	10.9%	(8.0)%
0.102%	46.6%	37.2%	25.9%	10.0%	(8.9)%
3.201%	17.8%	8.5%	(2.7)%	(18.5)%	(37.7)%
6.300% and above	**	**	**	**	**

SECURITY GROUP 8

Sensitivity of Class HI to Prepayments
Assumed Price 14.0%*

PSA Prepayment Assumption Rates				
100%	241%	354%	600%	800%
9.1%	0.0%	(8.0)%	(26.5)%	(41.2)%

Sensitivity of Class IA to Prepayments
Assumed Price 14.0%*

PSA Prepayment Assumption Rates				
100%	241%	354%	600%	800%
9.1%	0.0%	(8.0)%	(26.5)%	(41.2)%

Sensitivity of Class IB to Prepayments
Assumed Price 14.0%*

PSA Prepayment Assumption Rates				
100%	240%	354%	600%	800%
9.1%	0.1%	(8.1)%	(26.5)%	(41.3)%

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

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

SECURITY GROUP 9

Sensitivity of Class AI to Prepayments
Assumed Price 10.0%*

PSA Prepayment Assumption Rates				
100%	**354%**	**368%**	**600%**	**800%**
17.1%	1.0%	0.0%	(16.8)%	(31.9)%

SECURITY GROUP 10

Sensitivity of Class GI to Prepayments
Assumed Price 10.68%*

PSA Prepayment Assumption Rates				
200%	**300%**	**400%**	**600%**	**615%**
17.1%	17.1%	17.1%	1.4%	0.0%

SECURITY GROUP 11

Sensitivity of Class IM to Prepayments
Assumed Price 11.90625%*

PSA Prepayment Assumption Rates				
100%	**283%**	**354%**	**600%**	**800%**
12.4%	0.0%	(5.2)%	(23.9)%	(38.5)%

Sensitivity of Class MI to Prepayments
Assumed Price 13.59375%*

PSA Prepayment Assumption Rates				
100%	**220%**	**354%**	**600%**	**800%**
8.9%	0.1%	(11.1)%	(33.1)%	(50.9)%

SECURITY GROUP 12

Sensitivity of Class IL to Prepayments
Assumed Price 9.609375%*

PSA Prepayment Assumption Rates					
100%	**300%**	**464%**	**568%**	**750%**	**1,000%**
24.9%	14.5%	5.7%	0.0%	(10.2)%	(24.8)%

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

SECURITY GROUP 13

Sensitivity of Class LI to Prepayments
Assumed Price 9.1875%*

PSA Prepayment Assumption Rates				
225%	275%	325%	580%	600%
3.6%	3.6%	3.6%	0.0%	(0.9)%

SECURITY GROUP 14

Sensitivity of Class IT to Prepayments
Assumed Price 9.0%*

PSA Prepayment Assumption Rates					
100%	300%	501%	547%	800%	1,100%
21.0%	10.7%	0.0%	(2.5)%	(16.5)%	(33.9)%

SECURITY GROUP 15

Sensitivity of Class IO to Prepayments
Assumed Price 12.0%*

PSA Prepayment Assumption Rates				
165%	195%	225%	345%	400%
9.7%	8.1%	6.5%	0.0%	(3.0)%

Sensitivity of Class PI to Prepayments
Assumed Price 12.375%*

PSA Prepayment Assumption Rates				
165%	195%	225%	352%	400%
6.6%	6.6%	6.6%	0.0%	(2.8)%

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

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 Single REMIC Series as to the Group 15 Trust Assets and a Double REMIC Series as to the Group 1 through 14 Trust Assets, each for United States federal income tax purposes. Separate REMIC elections will be made for the Group 15 REMIC, the Group 1 through 14 Issuing REMIC and the Group 1 through 14 Pooling REMIC.

Regular Securities

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

The Notional and 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:

Group(s)	PSA
1	190%
2	438%
3	522%
4 and 7	422%
5	415%
6	420%
8, 9 and 11	354%
10	300%
12	464%
13	275%
14	547%
15	195%

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 LIBOR or Compounded SOFR at any time after the date of this Supplement. *See "Certain United States Federal Income Tax Consequences" in the Base Offering Circular.*

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

Residual Securities

The Class R15 Securities will represent the beneficial ownership of the Residual Interest in the Group 15 REMIC. The Class RR Securities will represent the beneficial ownership of the Residual Interest in the Group 1 through 14 Issuing REMIC and the beneficial ownership of the Residual Interest in the Group 1 through 14 Pooling REMIC. The Residual Securities, *i.e.*, the Class R15 and RR 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.

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) July 1, 2021 on the Fixed Rate Classes and (2) July 20, 2021 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 Aggregate Scheduled Principal Balances of each Class receiving principal distributions or interest distributions based upon a notional balance from the same Trust Asset Group will increase by the same proportion. The Trust Agreement, the Final Data Statement, the Final Schedules and the Supplemental Statement, if any, will reflect any increase in the size of the transaction.

LEGAL MATTERS

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

Available Combinations(1)

REMIC Securities		MX Securities						
Class	Original Class Principal Balance or Class Notional Balance	Related MX Class	Maximum Original Class Principal Balance or Class Notional Balance(2)	Principal Type(3)	Interest Rate	Interest Type(3)	CUSIP Number	Final Distribution Date(4)
Security Group 1								
Combination 1(5)								
DT	$ 35,819,276	DA	$ 35,819,276	PAC/AD	1.00%	FIX	38382WCQ8	September 2050
		DB	35,819,276	PAC/AD	1.25	FIX	38382WCR6	September 2050
		DC	35,819,276	PAC/AD	1.50	FIX	38382WCS4	September 2050
		DE	35,819,276	PAC/AD	1.75	FIX	38382WCT2	September 2050
		DG	35,819,276	PAC/AD	2.00	FIX	38382WCU9	September 2050
		DI	23,879,517	NTL(PAC/AD)	3.00	FIX/IO	38382WCV7	September 2050
Security Group 2								
Combination 2								
C	$ 10,070,864	BG	$ 56,737,117	PT	2.00%	FIX	38382WCW5	July 2051
D	24,054,268							
E	22,611,985							
Combination 3								
CI	$ 3,356,954	IE	$ 18,912,371	NTL(PT)	3.00%	FIX/IO	38382WCX3	July 2051
EI	7,537,328							
XI	8,018,089							
Security Group 5								
Combination 4								
FJ	$430,899,849	FA	$549,739,388	PT	(6)	FLT	38382WCY1	July 2051
JF	118,839,539							
Security Group 8								
Combination 5								
IA	$ 18,405,000	HI	$ 33,805,000	NTL(SEQ)	2.50%	FIX/IO	38382WCZ8	November 2050
IB	15,400,000							
Combination 6								
LM	$ 2,649,618	HL	$ 4,312,378	SEQ	2.50%	FIX	38382WDA2	July 2051
LN	1,662,760							

REMIC Securities		MX Securities						
Class	Original Class Principal Balance or Class Notional Balance	Related MX Class	Maximum Original Class Principal Balance or Class Notional Balance(2)	Principal Type(3)	Interest Rate	Interest Type(3)	CUSIP Number	Final Distribution Date(4)
Security Group 11								
Combination 7								
A	$69,824,512	MB	$100,177,000	SEQ	1.45%	FIX	38382WDB0	June 2050
B	30,352,488							
Combination 8								
BL	$ 2,017,127	ML	$ 6,657,437	SEQ	2.50%	FIX	38382WDC8	July 2051
CL	4,640,310							
Security Groups 8, 9 and 11								
Combination 9(7)								
AL	$ 1,778,982	LH	$ 12,748,797	SEQ	2.50%	FIX	38382WDD6	July 2051
BL	2,017,127							
CL	4,640,310							
LM	2,649,618							
LN	1,662,760							
Security Group 13								
Combination 10(5)								
L	$75,000,000	LA	$ 75,000,000	PAC/AD	1.00%	FIX	38382WDE4	July 2051
		LB	75,000,000	PAC/AD	1.25	FIX	38382WDF1	July 2051
		LC	75,000,000	PAC/AD	1.50	FIX	38382WDG9	July 2051
		LE	75,000,000	PAC/AD	1.75	FIX	38382WDH7	July 2051
		LG	75,000,000	PAC/AD	2.00	FIX	38382WDJ3	July 2051
		LI	45,000,000	NTL(PAC/AD)	2.50	FIX/IO	38382WDK0	July 2051
Security Group 15								
Combination 11(5)								
P	$58,198,086	PA	$ 58,198,086	PAC	1.00%	FIX	38382WDL8	June 2051
		PB	58,198,086	PAC	1.25	FIX	38382WDM6	June 2051
		PC	58,198,086	PAC	1.50	FIX	38382WDN4	June 2051
		PD	58,198,086	PAC	1.75	FIX	38382WDP9	June 2051
		PI	23,279,234	NTL(PAC)	2.50	FIX/IO	38382WDQ7	June 2051

(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) In the case of Combinations 1, 10 and 11, various subcombinations are permitted. *See "Description of the Securities — Modification and Exchange" in the Base Offering Circular for a discussion of subcombinations.*

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

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

Schedule II

SCHEDULED PRINCIPAL BALANCES

Distribution Date	Classes DT and LD (in the aggregate)	Classes NA and ZX (in the aggregate)	Classes GA, GQ and GZ (in the aggregate)
Initial Balance	$38,047,892.00	$39,279,090.00	$174,332,957.00
August 2021	37,947,088.69	38,765,043.21	171,471,929.44
September 2021	37,835,530.21	38,222,916.61	168,641,347.95
October 2021	37,713,260.35	37,653,457.96	165,840,864.49
November 2021	37,580,331.17	37,057,468.18	163,070,134.79
December 2021	37,436,802.94	36,435,799.57	160,328,818.33
January 2022	37,282,744.15	35,789,353.75	157,616,578.24
February 2022	37,118,231.42	35,119,079.57	154,933,081.29
March 2022	36,943,349.50	34,425,970.73	152,277,997.89
April 2022	36,758,191.15	33,711,063.31	149,651,001.98
May 2022	36,562,857.08	32,975,433.13	147,051,771.03
June 2022	36,357,455.88	32,220,192.96	144,479,986.01
July 2022	36,142,103.91	31,446,489.59	141,935,331.32
August 2022	35,916,925.20	30,655,500.83	139,417,494.80
September 2022	35,682,051.30	29,848,432.33	136,926,167.63
October 2022	35,437,621.21	29,026,514.35	134,461,044.37
November 2022	35,183,781.17	28,190,998.42	132,021,822.83
December 2022	34,920,684.59	27,343,153.91	129,608,204.14
January 2023	34,648,491.83	26,484,264.60	127,219,892.63
February 2023	34,367,370.08	25,643,804.14	124,856,595.83
March 2023	34,077,493.13	24,821,367.93	122,518,024.44
April 2023	33,779,041.26	24,016,560.16	120,203,892.27
May 2023	33,472,200.97	23,228,993.57	117,913,916.24
June 2023	33,157,164.83	22,458,289.29	115,647,816.33
July 2023	32,834,131.26	21,704,076.67	113,405,315.54
August 2023	32,503,304.30	20,965,993.06	111,186,139.85
September 2023	32,164,893.42	20,243,683.70	108,990,018.23
October 2023	31,819,113.22	19,536,801.51	106,816,682.57
November 2023	31,466,183.28	18,845,006.92	104,665,867.63
December 2023	31,106,327.86	18,167,967.73	102,537,311.07
January 2024	30,749,504.16	17,505,358.96	100,430,753.38
February 2024	30,395,686.48	16,856,862.65	98,345,937.84
March 2024	30,044,849.33	16,222,167.74	96,282,610.50
April 2024	29,696,967.42	15,600,969.95	94,240,520.18
May 2024	29,352,015.66	14,992,971.56	92,219,418.38
June 2024	29,009,969.17	14,397,881.33	90,219,059.32
July 2024	28,670,803.27	13,815,414.36	88,239,199.83
August 2024	28,334,493.49	13,245,291.89	86,279,599.42
September 2024	28,001,015.55	12,687,241.25	84,340,020.14
October 2024	27,670,345.36	12,140,995.68	82,420,226.67
November 2024	27,342,459.05	11,606,294.21	80,519,986.17
December 2024	27,017,332.91	11,082,881.55	78,639,068.36
January 2025	26,694,943.46	10,571,368.67	76,777,245.43
February 2025	26,375,267.38	10,073,824.93	74,934,292.02

Distribution Date	Classes DT and LD (in the aggregate)	Classes NA and ZX (in the aggregate)	Classes GA, GQ and GZ (in the aggregate)
March 2025	$26,058,281.57	$ 9,589,858.26	$ 73,109,985.22
April 2025	25,743,963.08	9,119,087.49	71,304,104.52
May 2025	25,432,289.18	8,661,142.03	69,530,879.82
June 2025	25,123,237.30	8,215,661.58	67,800,751.28
July 2025	24,816,785.09	7,782,295.85	66,112,688.47
August 2025	24,512,910.33	7,360,704.26	64,465,685.30
September 2025	24,211,591.03	6,950,555.72	62,858,759.47
October 2025	23,912,805.36	6,551,528.31	61,290,951.89
November 2025	23,616,531.64	6,163,309.10	59,761,326.13
December 2025	23,322,748.42	5,785,593.81	58,268,967.93
January 2026	23,031,434.38	5,418,086.65	56,812,984.62
February 2026	22,742,568.40	5,060,500.05	55,392,504.66
March 2026	22,456,129.52	4,712,554.42	54,006,677.15
April 2026	22,172,096.95	4,373,977.98	52,654,671.29
May 2026	21,890,450.08	4,044,506.48	51,335,675.98
June 2026	21,611,168.46	3,723,883.04	50,048,899.31
July 2026	21,334,231.79	3,411,857.92	48,793,568.12
August 2026	21,059,619.98	3,108,188.34	47,568,927.58
September 2026	20,787,313.06	2,812,638.28	46,374,240.72
October 2026	20,517,291.24	2,524,978.29	45,208,788.06
November 2026	20,249,534.89	2,244,985.30	44,071,867.16
December 2026	19,984,024.55	1,972,442.46	42,962,792.26
January 2027	19,720,740.90	1,707,138.98	41,880,893.82
February 2027	19,459,664.79	1,448,869.91	40,825,518.22
March 2027	19,200,777.22	1,197,436.05	39,796,027.33
April 2027	18,944,059.35	952,643.72	38,791,798.18
May 2027	18,689,492.49	714,304.67	37,812,222.58
June 2027	18,437,058.11	482,235.86	36,856,706.77
July 2027	18,186,737.82	256,259.41	35,924,671.12
August 2027	17,938,513.38	36,202.35	35,015,549.75
September 2027	17,692,366.71	0.00	34,128,790.23
October 2027	17,448,279.88	0.00	33,263,853.27
November 2027	17,206,235.08	0.00	32,420,212.38
December 2027	16,966,214.67	0.00	31,597,353.62
January 2028	16,728,201.15	0.00	30,794,775.26
February 2028	16,492,177.16	0.00	30,011,987.51
March 2028	16,258,125.47	0.00	29,248,512.22
April 2028	16,026,029.02	0.00	28,503,882.66
May 2028	15,795,870.86	0.00	27,777,643.18
June 2028	15,568,462.77	0.00	27,069,349.00
July 2028	15,344,134.03	0.00	26,378,565.94
August 2028	15,122,844.46	0.00	25,704,870.15
September 2028	14,904,554.36	0.00	25,047,847.90
October 2028	14,689,224.55	0.00	24,407,095.32
November 2028	14,476,816.35	0.00	23,782,218.17
December 2028	14,267,291.58	0.00	23,172,831.62
January 2029	14,060,612.53	0.00	22,578,560.03

Distribution Date	Classes DT and LD (in the aggregate)	Classes NA and ZX (in the aggregate)	Classes GA, GQ and GZ (in the aggregate)
February 2029	$13,856,741.98	$ 0.00	$ 21,999,036.71
March 2029	13,655,643.19	0.00	21,433,903.73
April 2029	13,457,279.89	0.00	20,882,811.73
May 2029	13,261,616.26	0.00	20,345,419.68
June 2029	13,068,616.95	0.00	19,821,394.69
July 2029	12,878,247.05	0.00	19,310,411.84
August 2029	12,690,472.12	0.00	18,812,153.99
September 2029	12,505,258.12	0.00	18,326,311.56
October 2029	12,322,571.49	0.00	17,852,582.41
November 2029	12,142,379.07	0.00	17,390,671.60
December 2029	11,964,648.12	0.00	16,940,291.26
January 2030	11,789,346.35	0.00	16,501,160.44
February 2030	11,616,441.86	0.00	16,073,004.88
March 2030	11,445,903.15	0.00	15,655,556.92
April 2030	11,277,699.15	0.00	15,248,555.30
May 2030	11,111,799.16	0.00	14,851,745.03
June 2030	10,948,172.90	0.00	14,464,877.25
July 2030	10,786,790.46	0.00	14,087,709.04
August 2030	10,627,622.31	0.00	13,720,003.34
September 2030	10,470,639.32	0.00	13,361,528.77
October 2030	10,315,812.71	0.00	13,012,059.50
November 2030	10,163,114.07	0.00	12,671,375.12
December 2030	10,012,515.38	0.00	12,339,260.55
January 2031	9,863,988.96	0.00	12,015,505.85
February 2031	9,717,507.47	0.00	11,699,906.12
March 2031	9,573,043.96	0.00	11,392,261.42
April 2031	9,430,571.79	0.00	11,092,376.61
May 2031	9,290,064.69	0.00	10,800,061.23
June 2031	9,151,496.70	0.00	10,515,129.43
July 2031	9,014,842.21	0.00	10,237,399.81
August 2031	8,880,075.93	0.00	9,966,695.37
September 2031	8,747,172.92	0.00	9,702,843.36
October 2031	8,616,108.53	0.00	9,445,675.20
November 2031	8,486,858.44	0.00	9,195,026.36
December 2031	8,359,398.63	0.00	8,950,736.31
January 2032	8,233,705.42	0.00	8,712,648.37
February 2032	8,109,755.41	0.00	8,480,609.66
March 2032	7,987,525.49	0.00	8,254,470.97
April 2032	7,866,992.89	0.00	8,034,086.72
May 2032	7,748,135.08	0.00	7,819,314.84
June 2032	7,630,929.87	0.00	7,610,016.69
July 2032	7,515,355.32	0.00	7,406,056.99
August 2032	7,401,389.79	0.00	7,207,303.73
September 2032	7,289,011.92	0.00	7,013,628.09
October 2032	7,178,200.60	0.00	6,824,904.38
November 2032	7,068,935.04	0.00	6,641,009.96
December 2032	6,961,194.67	0.00	6,461,825.14

Distribution Date	Classes DT and LD (in the aggregate)	Classes NA and ZX (in the aggregate)	Classes GA, GQ and GZ (in the aggregate)
January 2033	$ 6,854,959.21	$ 0.00	$ 6,287,233.16
February 2033	6,750,208.64	0.00	6,117,120.07
March 2033	6,646,923.20	0.00	5,951,374.68
April 2033	6,545,083.38	0.00	5,789,888.53
May 2033	6,444,669.91	0.00	5,632,555.77
June 2033	6,345,663.80	0.00	5,479,273.12
July 2033	6,248,046.28	0.00	5,329,939.81
August 2033	6,151,798.83	0.00	5,184,457.54
September 2033	6,056,903.17	0.00	5,042,730.37
October 2033	5,963,341.25	0.00	4,904,664.73
November 2033	5,871,095.27	0.00	4,770,169.29
December 2033	5,780,147.64	0.00	4,639,154.97
January 2034	5,690,481.02	0.00	4,511,534.86
February 2034	5,602,078.27	0.00	4,387,224.14
March 2034	5,514,922.49	0.00	4,266,140.10
April 2034	5,428,996.99	0.00	4,148,202.01
May 2034	5,344,285.30	0.00	4,033,331.13
June 2034	5,260,771.16	0.00	3,921,450.64
July 2034	5,178,438.53	0.00	3,812,485.60
August 2034	5,097,271.56	0.00	3,706,362.89
September 2034	5,017,254.63	0.00	3,603,011.18
October 2034	4,938,372.31	0.00	3,502,360.90
November 2034	4,860,609.36	0.00	3,404,344.15
December 2034	4,783,950.75	0.00	3,308,894.73
January 2035	4,708,381.64	0.00	3,215,948.03
February 2035	4,633,887.40	0.00	3,125,441.05
March 2035	4,560,453.56	0.00	3,037,312.30
April 2035	4,488,065.86	0.00	2,951,501.84
May 2035	4,416,710.23	0.00	2,867,951.17
June 2035	4,346,372.75	0.00	2,786,603.23
July 2035	4,277,039.72	0.00	2,707,402.38
August 2035	4,208,697.60	0.00	2,630,294.32
September 2035	4,141,333.02	0.00	2,555,226.10
October 2035	4,074,932.79	0.00	2,482,146.08
November 2035	4,009,483.91	0.00	2,411,003.87
December 2035	3,944,973.52	0.00	2,341,750.34
January 2036	3,881,388.95	0.00	2,274,337.55
February 2036	3,818,717.68	0.00	2,208,718.77
March 2036	3,756,947.35	0.00	2,144,848.40
April 2036	3,696,065.79	0.00	2,082,681.96
May 2036	3,636,060.95	0.00	2,022,176.09
June 2036	3,576,920.97	0.00	1,963,288.48
July 2036	3,518,634.12	0.00	1,905,977.88
August 2036	3,461,188.85	0.00	1,850,204.06
September 2036	3,404,573.73	0.00	1,795,927.76
October 2036	3,348,777.50	0.00	1,743,110.73
November 2036	3,293,789.05	0.00	1,691,715.64

Distribution Date	Classes DT and LD (in the aggregate)	Classes NA and ZX (in the aggregate)	Classes GA, GQ and GZ (in the aggregate)
December 2036	$ 3,239,597.39	$ 0.00	$ 1,641,706.09
January 2037	3,186,191.71	0.00	1,593,046.58
February 2037	3,133,561.31	0.00	1,545,702.51
March 2037	3,081,695.64	0.00	1,499,640.11
April 2037	3,030,584.30	0.00	1,454,826.47
May 2037	2,980,217.01	0.00	1,411,229.48
June 2037	2,930,583.64	0.00	1,368,817.85
July 2037	2,881,674.18	0.00	1,327,561.04
August 2037	2,833,478.75	0.00	1,287,429.31
September 2037	2,785,987.60	0.00	1,248,393.61
October 2037	2,739,191.13	0.00	1,210,425.65
November 2037	2,693,079.84	0.00	1,173,497.85
December 2037	2,647,644.37	0.00	1,137,583.28
January 2038	2,602,875.46	0.00	1,102,655.72
February 2038	2,558,764.01	0.00	1,068,689.58
March 2038	2,515,301.00	0.00	1,035,659.93
April 2038	2,472,477.55	0.00	1,003,542.45
May 2038	2,430,284.90	0.00	972,313.42
June 2038	2,388,714.40	0.00	941,949.75
July 2038	2,347,757.50	0.00	912,428.88
August 2038	2,307,405.78	0.00	883,728.85
September 2038	2,267,650.92	0.00	855,828.24
October 2038	2,228,484.73	0.00	828,706.17
November 2038	2,189,899.11	0.00	802,342.28
December 2038	2,151,886.05	0.00	776,716.72
January 2039	2,114,437.69	0.00	751,810.15
February 2039	2,077,546.24	0.00	727,603.71
March 2039	2,041,204.01	0.00	704,079.00
April 2039	2,005,403.45	0.00	681,218.12
May 2039	1,970,137.05	0.00	659,003.59
June 2039	1,935,397.46	0.00	637,418.39
July 2039	1,901,177.39	0.00	616,445.90
August 2039	1,867,469.65	0.00	596,069.96
September 2039	1,834,267.16	0.00	576,274.80
October 2039	1,801,562.92	0.00	557,045.04
November 2039	1,769,350.03	0.00	538,365.71
December 2039	1,737,621.67	0.00	520,222.19
January 2040	1,706,371.13	0.00	502,600.26
February 2040	1,675,591.77	0.00	485,486.06
March 2040	1,645,277.05	0.00	468,866.05
April 2040	1,615,420.51	0.00	452,727.07
May 2040	1,586,015.78	0.00	437,056.28
June 2040	1,557,056.57	0.00	421,841.17
July 2040	1,528,536.68	0.00	407,069.54
August 2040	1,500,449.99	0.00	392,729.51
September 2040	1,472,790.46	0.00	378,809.50
October 2040	1,445,552.12	0.00	365,298.23

Distribution Date	Classes DT and LD (in the aggregate)	Classes NA and ZX (in the aggregate)	Classes GA, GQ and GZ (in the aggregate)
November 2040	$ 1,418,729.10	$ 0.00	$ 352,184.70
December 2040	1,392,315.59	0.00	339,458.20
January 2041	1,366,305.88	0.00	327,108.30
February 2041	1,340,694.30	0.00	315,124.81
March 2041	1,315,475.29	0.00	303,497.83
April 2041	1,290,643.35	0.00	292,217.70
May 2041	1,266,193.05	0.00	281,275.01
June 2041	1,242,119.03	0.00	270,660.60
July 2041	1,218,416.02	0.00	260,365.54
August 2041	1,195,078.80	0.00	250,381.12
September 2041	1,172,102.24	0.00	240,698.88
October 2041	1,149,481.25	0.00	231,310.54
November 2041	1,127,210.83	0.00	222,208.07
December 2041	1,105,286.05	0.00	213,383.64
January 2042	1,083,702.02	0.00	204,829.60
February 2042	1,062,453.95	0.00	196,538.53
March 2042	1,041,537.08	0.00	188,503.18
April 2042	1,020,946.74	0.00	180,716.49
May 2042	1,000,678.32	0.00	173,171.59
June 2042	980,727.25	0.00	165,861.80
July 2042	961,089.04	0.00	158,780.59
August 2042	941,759.26	0.00	151,921.61
September 2042	922,733.53	0.00	145,278.68
October 2042	904,007.54	0.00	138,845.78
November 2042	885,577.03	0.00	132,617.04
December 2042	867,437.81	0.00	126,586.75
January 2043	849,585.71	0.00	120,749.36
February 2043	832,016.67	0.00	115,099.43
March 2043	814,726.64	0.00	109,631.71
April 2043	797,711.64	0.00	104,341.05
May 2043	780,967.75	0.00	99,222.46
June 2043	764,491.10	0.00	94,271.07
July 2043	748,277.87	0.00	89,482.13
August 2043	732,324.28	0.00	84,851.57
September 2043	716,626.63	0.00	80,374.34
October 2043	701,181.24	0.00	76,046.06
November 2043	685,984.49	0.00	71,862.48
December 2043	671,032.81	0.00	67,819.44
January 2044	656,322.69	0.00	63,912.92
February 2044	641,850.65	0.00	60,138.98
March 2044	627,613.27	0.00	56,493.81
April 2044	613,607.15	0.00	52,973.68
May 2044	599,828.98	0.00	49,574.97
June 2044	586,275.46	0.00	46,294.16
July 2044	572,943.34	0.00	43,127.81
August 2044	559,829.43	0.00	40,072.58
September 2044	546,930.57	0.00	37,125.22

Distribution Date	Classes DT and LD (in the aggregate)	Classes NA and ZX (in the aggregate)	Classes GA, GQ and GZ (in the aggregate)
October 2044	$ 534,243.64	$ 0.00	$ 34,282.58
November 2044	521,765.57	0.00	31,541.57
December 2044	509,493.34	0.00	28,899.20
January 2045	497,423.94	0.00	26,352.56
February 2045	485,554.45	0.00	23,898.80
March 2045	473,881.94	0.00	21,535.18
April 2045	462,403.55	0.00	19,259.00
May 2045	451,116.45	0.00	17,067.65
June 2045	440,017.84	0.00	14,958.60
July 2045	429,104.98	0.00	12,929.38
August 2045	418,375.16	0.00	10,977.80
September 2045	407,825.68	0.00	9,101.29
October 2045	397,453.92	0.00	7,297.57
November 2045	387,257.26	0.00	5,572.62
December 2045	377,233.13	0.00	3,915.76
January 2046	367,379.01	0.00	2,324.91
February 2046	357,692.39	0.00	798.05
March 2046	348,170.81	0.00	394.71
April 2046	338,811.83	0.00	7.68
May 2046	329,613.05	0.00	6.61
June 2046	320,572.12	0.00	5.59
July 2046	311,686.69	0.00	4.60
August 2046	302,954.47	0.00	3.66
September 2046	294,373.18	0.00	2.75
October 2046	285,940.60	0.00	1.87
November 2046	277,654.50	0.00	1.03
December 2046	269,512.72	0.00	0.23
January 2047	261,513.11	0.00	0.00
February 2047	253,653.55	0.00	0.00
March 2047	245,931.95	0.00	0.00
April 2047	238,346.25	0.00	0.00
May 2047	230,894.42	0.00	0.00
June 2047	223,574.47	0.00	0.00
July 2047	216,384.41	0.00	0.00
August 2047	209,322.29	0.00	0.00
September 2047	202,386.21	0.00	0.00
October 2047	195,574.25	0.00	0.00
November 2047	188,884.56	0.00	0.00
December 2047	182,315.29	0.00	0.00
January 2048	175,864.63	0.00	0.00
February 2048	169,530.78	0.00	0.00
March 2048	163,311.98	0.00	0.00
April 2048	157,206.48	0.00	0.00
May 2048	151,212.58	0.00	0.00
June 2048	145,328.57	0.00	0.00
July 2048	139,552.79	0.00	0.00
August 2048	133,883.59	0.00	0.00

Distribution Date	Classes DT and LD (in the aggregate)	Classes NA and ZX (in the aggregate)	Classes GA, GQ and GZ (in the aggregate)
September 2048	$ 128,319.34	$ 0.00	$ 0.00
October 2048	122,858.45	0.00	0.00
November 2048	117,499.33	0.00	0.00
December 2048	112,240.44	0.00	0.00
January 2049	107,080.22	0.00	0.00
February 2049	102,017.18	0.00	0.00
March 2049	97,049.82	0.00	0.00
April 2049	92,176.67	0.00	0.00
May 2049	87,396.28	0.00	0.00
June 2049	82,707.22	0.00	0.00
July 2049	78,108.07	0.00	0.00
August 2049	73,597.45	0.00	0.00
September 2049	69,173.99	0.00	0.00
October 2049	64,836.33	0.00	0.00
November 2049	60,583.15	0.00	0.00
December 2049	56,413.12	0.00	0.00
January 2050	52,324.97	0.00	0.00
February 2050	48,317.40	0.00	0.00
March 2050	44,389.16	0.00	0.00
April 2050	40,539.01	0.00	0.00
May 2050	36,765.72	0.00	0.00
June 2050	33,068.10	0.00	0.00
July 2050	29,444.94	0.00	0.00
August 2050	25,895.09	0.00	0.00
September 2050	22,417.38	0.00	0.00
October 2050	19,010.67	0.00	0.00
November 2050	15,673.84	0.00	0.00
December 2050	12,405.80	0.00	0.00
January 2051	9,205.43	0.00	0.00
February 2051	6,071.67	0.00	0.00
March 2051	3,003.46	0.00	0.00
April 2051 and thereafter	0.00	0.00	0.00

Distribution Date	Classes L and LZ (in the aggregate)	Classes P and PL (in the aggregate)
Initial Balance	$75,002,704.00	$58,738,447.00
August 2021	74,718,102.77	58,587,568.33
September 2021	74,397,422.55	58,418,617.19
October 2021	74,040,816.10	58,231,674.15
November 2021	73,648,477.41	58,026,835.02
December 2021	73,220,641.68	57,804,210.86
January 2022	72,757,585.21	57,563,927.88
February 2022	72,259,625.10	57,306,127.37
March 2022	71,727,119.06	57,030,965.54
April 2022	71,160,464.97	56,738,613.44
May 2022	70,560,100.47	56,429,256.77
June 2022	69,926,502.41	56,103,095.74
July 2022	69,260,186.25	55,760,344.81
August 2022	68,561,705.41	55,401,232.55
September 2022	67,831,650.45	55,026,001.34
October 2022	67,070,648.29	54,634,907.14
November 2022	66,279,361.31	54,228,219.20
December 2022	65,458,486.31	53,806,219.76
January 2023	64,608,753.53	53,369,203.76
February 2023	63,730,925.50	52,917,478.45
March 2023	62,825,795.86	52,451,363.09
April 2023	61,894,188.13	51,971,188.55
May 2023	60,936,954.40	51,477,296.92
June 2023	59,954,973.94	50,970,041.14
July 2023	58,949,151.85	50,449,784.50
August 2023	57,920,417.49	49,916,900.31
September 2023	56,869,989.05	49,371,771.35
October 2023	55,798,829.81	48,814,789.48
November 2023	54,707,922.60	48,246,355.13
December 2023	53,608,788.56	47,666,876.81
January 2024	52,514,227.84	47,093,082.72
February 2024	51,433,618.92	46,524,919.52
March 2024	50,366,779.04	45,962,334.36
April 2024	49,313,527.80	45,405,274.85
May 2024	48,273,687.09	44,853,689.09
June 2024	47,247,081.04	44,307,525.67
July 2024	46,233,536.05	43,766,733.63
August 2024	45,232,880.73	43,231,262.48
September 2024	44,244,945.85	42,701,062.19
October 2024	43,269,564.36	42,176,083.20
November 2024	42,306,571.32	41,656,276.40
December 2024	41,355,803.91	41,141,593.11
January 2025	40,417,101.38	40,631,985.12
February 2025	39,490,305.01	40,127,404.64
March 2025	38,575,258.14	39,627,804.35
April 2025	37,671,806.07	39,133,137.32
May 2025	36,779,796.11	38,643,357.09
June 2025	35,899,077.48	38,158,417.59

Distribution Date	Classes L and LZ (in the aggregate)	Classes P and PL (in the aggregate)
July 2025	$35,029,501.35	$37,678,273.21
August 2025	34,170,920.79	37,202,878.71
September 2025	33,323,190.72	36,732,189.32
October 2025	32,486,167.95	36,266,160.64
November 2025	31,659,711.09	35,804,748.69
December 2025	30,843,680.56	35,347,909.89
January 2026	30,037,938.58	34,895,601.06
February 2026	29,242,349.09	34,447,779.43
March 2026	28,456,777.82	34,004,402.60
April 2026	27,681,092.19	33,565,428.57
May 2026	26,915,161.30	33,130,815.73
June 2026	26,158,855.94	32,700,522.85
July 2026	25,412,048.57	32,274,509.06
August 2026	24,674,613.24	31,852,733.90
September 2026	23,946,425.64	31,435,157.24
October 2026	23,227,363.05	31,021,739.36
November 2026	22,517,304.30	30,612,440.88
December 2026	21,816,129.80	30,207,222.79
January 2027	21,123,721.46	29,806,046.42
February 2027	20,442,213.42	29,408,873.49
March 2027	19,773,617.20	29,015,666.04
April 2027	19,117,682.20	28,626,386.49
May 2027	18,474,162.56	28,240,997.56
June 2027	17,842,817.13	27,859,462.37
July 2027	17,223,409.34	27,481,744.32
August 2027	16,615,707.13	27,107,807.20
September 2027	16,019,482.87	26,737,615.10
October 2027	15,434,513.26	26,371,132.46
November 2027	14,860,579.27	26,008,324.02
December 2027	14,297,466.03	25,649,154.87
January 2028	13,744,962.78	25,293,590.42
February 2028	13,202,862.79	24,941,596.38
March 2028	12,670,963.25	24,593,138.80
April 2028	12,149,065.25	24,248,184.02
May 2028	11,636,973.65	23,906,698.71
June 2028	11,134,497.06	23,568,649.84
July 2028	10,641,447.73	23,234,004.67
August 2028	10,157,641.50	22,902,730.78
September 2028	9,682,897.73	22,574,796.06
October 2028	9,217,039.24	22,250,168.65
November 2028	8,759,892.23	21,928,817.04
December 2028	8,311,286.22	21,610,709.97
January 2029	7,871,053.99	21,295,816.49
February 2029	7,439,031.52	20,984,105.92
March 2029	7,015,057.93	20,676,083.78
April 2029	6,598,975.43	20,372,298.46
May 2029	6,190,629.23	20,072,693.94
June 2029	5,789,867.52	19,777,214.88

Distribution Date	Classes L and LZ (in the aggregate)	Classes P and PL (in the aggregate)
July 2029	$ 5,396,541.38	$19,485,806.68
August 2029	5,010,504.75	19,198,415.43
September 2029	4,631,614.38	18,914,987.93
October 2029	4,259,729.76	18,635,471.66
November 2029	3,894,713.05	18,359,814.77
December 2029	3,536,429.08	18,087,966.09
January 2030	3,184,745.26	17,819,875.11
February 2030	2,839,531.55	17,555,491.96
March 2030	2,500,660.40	17,294,767.44
April 2030	2,168,006.70	17,037,652.96
May 2030	1,841,447.76	16,784,100.57
June 2030	1,520,863.23	16,534,062.94
July 2030	1,206,135.07	16,287,493.35
August 2030	897,147.52	16,044,345.68
September 2030	593,787.03	15,804,574.42
October 2030	295,942.24	15,568,134.63
November 2030	3,503.93	15,334,981.97
December 2030	0.00	15,105,072.66
January 2031	0.00	14,878,363.50
February 2031	0.00	14,654,811.84
March 2031	0.00	14,434,375.59
April 2031	0.00	14,217,013.20
May 2031	0.00	14,002,683.65
June 2031	0.00	13,791,346.48
July 2031	0.00	13,582,961.72
August 2031	0.00	13,377,489.94
September 2031	0.00	13,174,892.22
October 2031	0.00	12,975,130.14
November 2031	0.00	12,778,165.79
December 2031	0.00	12,583,961.73
January 2032	0.00	12,392,481.02
February 2032	0.00	12,203,687.22
March 2032	0.00	12,017,544.32
April 2032	0.00	11,834,016.82
May 2032	0.00	11,653,069.65
June 2032	0.00	11,474,668.21
July 2032	0.00	11,298,778.36
August 2032	0.00	11,125,366.39
September 2032	0.00	10,954,399.03
October 2032	0.00	10,785,843.45
November 2032	0.00	10,619,667.24
December 2032	0.00	10,455,838.42
January 2033	0.00	10,294,325.42
February 2033	0.00	10,135,097.09
March 2033	0.00	9,978,122.68
April 2033	0.00	9,823,371.83
May 2033	0.00	9,670,814.61
June 2033	0.00	9,520,421.43

Distribution Date	Classes L and LZ (in the aggregate)	Classes P and PL (in the aggregate)
July 2033	$ 0.00	$ 9,372,163.14
August 2033	0.00	9,226,010.94
September 2033	0.00	9,081,936.40
October 2033	0.00	8,939,911.48
November 2033	0.00	8,799,908.50
December 2033	0.00	8,661,900.15
January 2034	0.00	8,525,859.46
February 2034	0.00	8,391,759.81
March 2034	0.00	8,259,574.96
April 2034	0.00	8,129,278.98
May 2034	0.00	8,000,846.30
June 2034	0.00	7,874,251.68
July 2034	0.00	7,749,470.20
August 2034	0.00	7,626,477.27
September 2034	0.00	7,505,248.64
October 2034	0.00	7,385,760.35
November 2034	0.00	7,267,988.79
December 2034	0.00	7,151,910.62
January 2035	0.00	7,037,502.83
February 2035	0.00	6,924,742.71
March 2035	0.00	6,813,607.84
April 2035	0.00	6,704,076.10
May 2035	0.00	6,596,125.67
June 2035	0.00	6,489,735.00
July 2035	0.00	6,384,882.84
August 2035	0.00	6,281,548.19
September 2035	0.00	6,179,710.36
October 2035	0.00	6,079,348.91
November 2035	0.00	5,980,443.69
December 2035	0.00	5,882,974.80
January 2036	0.00	5,786,922.59
February 2036	0.00	5,692,267.70
March 2036	0.00	5,598,991.01
April 2036	0.00	5,507,073.64
May 2036	0.00	5,416,496.97
June 2036	0.00	5,327,242.63
July 2036	0.00	5,239,292.50
August 2036	0.00	5,152,628.67
September 2036	0.00	5,067,233.49
October 2036	0.00	4,983,089.53
November 2036	0.00	4,900,179.61
December 2036	0.00	4,818,486.76
January 2037	0.00	4,737,994.24
February 2037	0.00	4,658,685.53
March 2037	0.00	4,580,544.32
April 2037	0.00	4,503,554.54
May 2037	0.00	4,427,700.30
June 2037	0.00	4,352,965.95

Distribution Date	Classes L and LZ (in the aggregate)	Classes P and PL (in the aggregate)
July 2037	$ 0.00	$ 4,279,336.04
August 2037	0.00	4,206,795.31
September 2037	0.00	4,135,328.71
October 2037	0.00	4,064,921.40
November 2037	0.00	3,995,558.73
December 2037	0.00	3,927,226.24
January 2038	0.00	3,859,909.67
February 2038	0.00	3,793,594.94
March 2038	0.00	3,728,268.16
April 2038	0.00	3,663,915.63
May 2038	0.00	3,600,523.83
June 2038	0.00	3,538,079.42
July 2038	0.00	3,476,569.23
August 2038	0.00	3,415,980.28
September 2038	0.00	3,356,299.75
October 2038	0.00	3,297,514.99
November 2038	0.00	3,239,613.53
December 2038	0.00	3,182,583.06
January 2039	0.00	3,126,411.44
February 2039	0.00	3,071,086.67
March 2039	0.00	3,016,596.94
April 2039	0.00	2,962,930.58
May 2039	0.00	2,910,076.08
June 2039	0.00	2,858,022.09
July 2039	0.00	2,806,757.39
August 2039	0.00	2,756,270.94
September 2039	0.00	2,706,551.82
October 2039	0.00	2,657,589.29
November 2039	0.00	2,609,372.71
December 2039	0.00	2,561,891.62
January 2040	0.00	2,515,135.67
February 2040	0.00	2,469,094.69
March 2040	0.00	2,423,758.60
April 2040	0.00	2,379,117.49
May 2040	0.00	2,335,161.55
June 2040	0.00	2,291,881.14
July 2040	0.00	2,249,266.73
August 2040	0.00	2,207,308.90
September 2040	0.00	2,165,998.39
October 2040	0.00	2,125,326.04
November 2040	0.00	2,085,282.84
December 2040	0.00	2,045,859.86
January 2041	0.00	2,007,048.34
February 2041	0.00	1,968,839.59
March 2041	0.00	1,931,225.07
April 2041	0.00	1,894,196.34
May 2041	0.00	1,857,745.08
June 2041	0.00	1,821,863.09

Distribution Date	Classes L and LZ (in the aggregate)	Classes P and PL (in the aggregate)
July 2041	$ 0.00	$ 1,786,542.26
August 2041	0.00	1,751,774.60
September 2041	0.00	1,717,552.23
October 2041	0.00	1,683,867.38
November 2041	0.00	1,650,712.38
December 2041	0.00	1,618,079.66
January 2042	0.00	1,585,961.75
February 2042	0.00	1,554,351.31
March 2042	0.00	1,523,241.06
April 2042	0.00	1,492,623.83
May 2042	0.00	1,462,492.57
June 2042	0.00	1,432,840.30
July 2042	0.00	1,403,660.15
August 2042	0.00	1,374,945.32
September 2042	0.00	1,346,689.14
October 2042	0.00	1,318,884.99
November 2042	0.00	1,291,526.38
December 2042	0.00	1,264,606.87
January 2043	0.00	1,238,120.13
February 2043	0.00	1,212,059.92
March 2043	0.00	1,186,420.08
April 2043	0.00	1,161,194.51
May 2043	0.00	1,136,377.24
June 2043	0.00	1,111,962.33
July 2043	0.00	1,087,943.97
August 2043	0.00	1,064,316.39
September 2043	0.00	1,041,073.92
October 2043	0.00	1,018,210.96
November 2043	0.00	995,721.99
December 2043	0.00	973,601.57
January 2044	0.00	951,844.33
February 2044	0.00	930,444.96
March 2044	0.00	909,398.24
April 2044	0.00	888,699.02
May 2044	0.00	868,342.22
June 2044	0.00	848,322.82
July 2044	0.00	828,635.88
August 2044	0.00	809,276.53
September 2044	0.00	790,239.95
October 2044	0.00	771,521.40
November 2044	0.00	753,116.21
December 2044	0.00	735,019.76
January 2045	0.00	717,227.50
February 2045	0.00	699,734.94
March 2045	0.00	682,537.67
April 2045	0.00	665,631.31
May 2045	0.00	649,011.57
June 2045	0.00	632,674.19

Distribution Date	Classes L and LZ (in the aggregate)	Classes P and PL (in the aggregate)
July 2045	$ 0.00	$ 616,615.00
August 2045	0.00	600,829.86
September 2045	0.00	585,314.71
October 2045	0.00	570,065.53
November 2045	0.00	555,078.36
December 2045	0.00	540,349.30
January 2046	0.00	525,874.50
February 2046	0.00	511,650.16
March 2046	0.00	497,672.55
April 2046	0.00	483,937.96
May 2046	0.00	470,442.76
June 2046	0.00	457,183.36
July 2046	0.00	444,156.22
August 2046	0.00	431,357.85
September 2046	0.00	418,784.80
October 2046	0.00	406,433.70
November 2046	0.00	394,301.18
December 2046	0.00	382,383.95
January 2047	0.00	370,678.76
February 2047	0.00	359,182.39
March 2047	0.00	347,891.69
April 2047	0.00	336,803.54
May 2047	0.00	325,914.86
June 2047	0.00	315,222.61
July 2047	0.00	304,723.82
August 2047	0.00	294,415.53
September 2047	0.00	284,294.84
October 2047	0.00	274,358.88
November 2047	0.00	264,604.83
December 2047	0.00	255,029.90
January 2048	0.00	245,631.34
February 2048	0.00	236,406.46
March 2048	0.00	227,352.57
April 2048	0.00	218,467.05
May 2048	0.00	209,747.30
June 2048	0.00	201,190.77
July 2048	0.00	192,794.93
August 2048	0.00	184,557.30
September 2048	0.00	176,475.43
October 2048	0.00	168,546.90
November 2048	0.00	160,769.34
December 2048	0.00	153,140.38
January 2049	0.00	145,657.72
February 2049	0.00	138,319.08
March 2049	0.00	131,122.20
April 2049	0.00	124,064.88
May 2049	0.00	117,144.92
June 2049	0.00	110,360.16

Distribution Date	Classes L and LZ (in the aggregate)	Classes P and PL (in the aggregate)
July 2049	$ 0.00	$ 103,708.50
August 2049	0.00	97,187.82
September 2049	0.00	90,796.07
October 2049	0.00	84,531.22
November 2049	0.00	78,391.26
December 2049	0.00	72,374.21
January 2050	0.00	66,478.13
February 2050	0.00	60,701.09
March 2050	0.00	55,041.20
April 2050	0.00	49,496.60
May 2050	0.00	44,065.44
June 2050	0.00	38,745.93
July 2050	0.00	33,536.26
August 2050	0.00	28,434.69
September 2050	0.00	23,439.46
October 2050	0.00	18,548.89
November 2050	0.00	13,761.27
December 2050	0.00	9,074.95
January 2051	0.00	4,488.30
February 2051 and thereafter	0.00	0.00

Exhibit A

Characteristics of the Mortgage Loans Underlying the Group 3, 10, 12 and 13 Trust Assets(1):

Pool Number	Principal Balance	Weighted Average Remaining Term to Maturity (in months)	Weighted Average Loan Age (in months)	Weighted Average Mortgage Rate(2)
Group 3 Trust Assets(3)				
MA7410	$ 50,000,000.92	358	1	2.867%
Group 10 Trust Assets				
MA3876	$ 37,304.36	263	89	4.925%
MA4264	28,361.78	288	67	4.856
MA4323	1,111,462.26	291	64	4.836
MA4384	159,001,099.91	295	60	4.859
MA4512	58,164,197.70	297	57	4.872
MA4839	145,030.40	306	50	4.902
	$218,487,456.41			
Group 12 Trust Assets				
MA7419	$100,000,000.43	352	2	3.372%
Group 13 Trust Assets(3)				
MA7247	$ 777,112.67	354	5	2.876%
MA7359	31,044,199.47	357	2	2.868
MA7410	36,044,970.97	358	1	2.867
MA7464	27,316,873.00	360	0	2.862
	$ 95,183,156.11			

(1) As of July 1, 2021.

(2) The Mortgage Loans underlying the Group 3, 10, 12 and 13 Trust Assets may bear interest at rates ranging from 0.25% to 1.50% per annum above the related Certificate Rate.

(3) More than 10% of the Mortgage Loans underlying the Group 3 and 13 Trust Assets may be higher balance Mortgage Loans. *See "Risk Factors" in this Supplement.*

$2,149,995,079

Government National Mortgage Association

GINNIE MAE®

Guaranteed REMIC
Pass-Through Securities
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Ginnie Mae REMIC Trust 2021-122

OFFERING CIRCULAR SUPPLEMENT
July 26, 2021

J.P. Morgan

Mischler Financial Group, Inc.