

\$1,302,107,813
Government National Mortgage Association
GINNIE MAE®
Guaranteed REMIC Pass-Through Securities
and MX Securities
Ginnie Mae REMIC Trust 2020-062

The Securities

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

The Ginnie Mae Guaranty

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

The Trust and its Assets

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

The securities may not be suitable investments for you. You should consider carefully the risks of investing in them.

See “Risk Factors” beginning on page S-14 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 May 29, 2020.

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						
AB	\$ 32,694,804	1.25%	PT	FIX	38382FEP5	May 2050
IA	25,264,166	5.50	NTL(PT)	FIX/IO	38382FEQ3	May 2050
Security Group 2						
BD	76,320,696	1.25	PT	FIX	38382FER1	May 2050
BI	58,418,465	4.50	NTL(PT)	FIX/IO	38382FES9	May 2050
Security Group 3						
PA(1)	71,111,664	3.00	PAC/AD	FIX	38382FET7	May 2047
PL(1)	4,614,903	3.00	PAC/AD	FIX	38382FEU4	March 2048
PY(1)	12,594,690	3.00	PAC/AD	FIX	38382FEV2	May 2050
PZ	11,678,743	3.00	SUP	FIX/Z	38382FEW0	May 2050
Security Group 4						
GA	7,226,000	1.50	PAC/AD	FIX	38382FEX8	May 2050
GI	802,888	4.50	NTL(PAC/AD)	FIX/IO	38382FEY6	May 2050
GZ	998,312	2.00	SUP	FIX/Z	38382FEZ3	May 2050
IG	4,569,062	4.50	NTL(PT)	FIX/IO	38382FFA7	May 2050
Security Group 5						
AC	47,985,794	1.75	PAC/AD	FIX	38382FFB5	May 2050
AI	19,994,080	3.00	NTL(PAC/AD)	FIX/IO	38382FFC3	May 2050
AZ	3,833,198	3.00	SUP	FIX/Z	38382FFD1	May 2050
Security Group 6						
G(1)	25,678,205	4.00	PAC/AD	FIX	38382FFE9	May 2050
ZG	4,113,203	4.00	SUP	FIX/Z	38382FFF6	May 2050
Security Group 7						
IN	7,339,528	5.00	NTL(SC/PT)	FIX/IO	38382FFG4	April 2049
NA(1)	34,327,839	2.00	SC/PAC/AD	FIX	38382FJE5	April 2049
ZN	2,369,805	2.00	SC/SUP	FIX/Z	38382FJF2	April 2049
Security Group 8						
F	63,872,361	(5)	PT	FLT	38382FJG0	May 2050
S	65,373,689	(5)	NTL(SC/PT)	INV/IO	38382FJH8	May 2050
SB	51,615,684	(5)	NTL(PT)	INV/IO	38382FJJ4	May 2050
Security Group 9						
FA	30,000,000	(5)	PT	FLT	38382FJK1	May 2050
SA	30,000,000	(5)	NTL(PT)	INV/IO	38382FJL9	May 2050
Security Group 10						
FC	30,000,000	(5)	PT	FLT	38382FJM7	May 2050
SC	30,000,000	(5)	NTL(PT)	INV/IO	38382FJN5	May 2050
Security Group 11						
IO(1)	2,884,176	3.50	NTL(SC/PT)	FIX/IO	38382FJP0	September 2045
IS(1)	9,118,377	(5)	NTL(SC/PT)	INV/IO	38382FJQ8	February 2048
NI(1)	3,338,231	5.00	NTL(SC/PT)	FIX/IO	38382FJR6	August 2048
OM(1)	3,725,000	0.00	SC/PT	PO	38382FJS4	March 2048
PO(1)	2,940,469	0.00	SC/PT	PO	38382FJT2	June 2049
UO(1)	1,086,700	0.00	SC/PT	PO	38382FJU9	March 2048
Security Group 12						
AO(1)	2,381,153	0.00	SC/PT	PO	38382FJV7	November 2046
CI	1,532,216	2.50	NTL(SC/PT)	FIX/IO	38382FJW5	February 2050
CO(1)	3,000,000	0.00	SC/PT	PO	38382FJX3	January 2050
EI(1)	3,436,054	4.50	NTL(SC/PT)	FIX/IO	38382FJY1	March 2048
IC	3,000,000	2.50	NTL(SC/PT)	FIX/IO	38382FJZ8	January 2050
IH(1)	1,381,793	4.50	NTL(SC/PT)	FIX/IO	38382FKA1	November 2048
IT(1)	5,239,264	3.50	NTL(SC/PT)	FIX/IO	38382FKB9	November 2045
OC(1)	1,532,216	0.00	SC/PT	PO	38382FKC7	February 2050
Security Group 13						
IQ(1)	10,651,801	2.50	NTL(SC/PT)	FIX/IO	38382FKD5	January 2046
JA(1)	27,421,221	1.50	SEQ	FIX	38382FKE3	March 2046
JB(1)	10,000,000	1.50	SEQ	FIX	38382FKF0	May 2050
Ji(1)	24,947,480	4.50	NTL(PT)	FIX/IO	38382FKG8	May 2050
OQ(1)	8,876,501	0.00	SC/PT	PO	38382FKH6	January 2046
OU(1)	1,699,714	0.00	SC/PT	PO	38382FKJ2	March 2048
QI(1)	3,363,000	2.50	NTL(SC/PT)	FIX/IO	38382FKK9	August 2049
QO(1)	3,363,000	0.00	SC/PT	PO	38382FKL7	August 2049
Security Group 14						
DF(1)	38,786,172	(5)	PAC/AD	FLT	38382FKM5	May 2050
DS(1)	38,786,172	(5)	NTL(PAC/AD)	INV/IO	38382FKN3	May 2050
FD(1)	15,159,594	(5)	PT	FLT	38382FKP8	May 2050
MA	145,448,145	1.75	PAC/AD	FIX	38382FKQ6	May 2050
MZ	28,000,000	2.75	SUP	FIX/Z	38382FKR4	May 2050
SD(1)	15,159,594	(5)	NTL(PT)	INV/IO	38382FKS2	May 2050

(Cover continued on next page)

Citigroup

Great Pacific Securities

The date of this Offering Circular Supplement is May 22, 2020.

Class of REMIC Securities	Original Principal Balance(2)	Interest Rate	Principal Type(3)	Interest Type(3)	CUSIP Number	Final Distribution Date(4)
Security Group 15						
E	\$100,000,000	2.50%	PT	FIX	38382FKT0	May 2050
FE	100,000,000	(5)	PT	FLT	38382FKU7	May 2050
GS(1)	54,185,406	(5)	NTL(PT)	INV/IO	38382FKV5	May 2050
SG(1)	45,814,594	(5)	NTL(PT)	INV/IO	38382FKW3	May 2050
Security Group 16						
YA(1)	16,267,570	3.50	SC/PAC/AD	FIX	38382FKX1	November 2049
ZY(1)	3,064,120	3.50	SC/SUP	FIX/Z	38382FKY9	November 2049
Security Group 17						
AL(1)	66,999,477	1.75	PAC	FIX	38382FKZ6	May 2050
FM(1)	53,999,999	(5)	PT	FLT	38382FLA0	May 2050
KS(1)	15,333,333	(5)	NTL(PT)	INV/IO	38382FLB8	May 2050
LA(1)	97,762,309	1.75	PAC	FIX	38382FLC6	May 2050
LI	8,146,859	3.00	NTL(PAC)	FIX/IO	38382FLD4	May 2050
LZ	1,000	2.00	SUP	FIX/Z	38382FLE2	May 2050
PF(1)	3,722,193	(5)	PAC	FLT	38382FLF9	May 2050
PS(1)	3,722,193	(5)	NTL(PAC)	INV/IO	38382FLG7	May 2050
SH(1)	22,666,666	(5)	NTL(PT)	INV/IO	38382FLH5	May 2050
SK(1)	16,000,000	(5)	NTL(PT)	INV/IO	38382FLJ1	May 2050
UK(1)	8,610,664	2.00	SUP/AD	FIX	38382FLK8	May 2050
UL(1)	11,903,358	2.00	SUP/AD	FIX	38382FLM6	May 2050
UZ	1,000	2.00	SUP	FIX/Z	38382FLM4	May 2050
Security Group 18						
MC(1)	72,593,000	2.00	PAC/AD	FIX	38382FLN2	September 2049
MD(1)	2,199,000	2.00	PAC/AD	FIX	38382FLP7	February 2050
ME(1)	1,588,000	2.00	PAC/AD	FIX	38382FLQ5	May 2050
MI	25,460,000	3.00	NTL(PAC/AD)	FIX/IO	38382FLR3	May 2050
ZU	10,556,021	3.00	SUP	FIX/Z	38382FLS1	May 2050
Residual						
RR	0	0.00	NPR	NPR	38382FLT9	May 2050

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

AVAILABLE INFORMATION

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

- this Offering Circular Supplement (this “Supplement”),
- the Base Offering Circular and
- in the case of the Group 7, 8, 11, 12, 13 and 16 securities, each disclosure document relating to the Underlying Certificates (the “Underlying Certificate Disclosure Documents”).

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

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

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

TABLE OF CONTENTS

	<u>Page</u>		<u>Page</u>
Terms Sheet	S-3	ERISA Matters	S-58
Risk Factors	S-14	Legal Investment Considerations	S-59
The Trust Assets	S-19	Plan of Distribution	S-59
Ginnie Mae Guaranty	S-20	Increase in Size	S-59
Description of the Securities	S-21	Legal Matters	S-59
Yield, Maturity and Prepayment		Schedule I: Available Combinations	S-I-1
Considerations	S-25	Schedule II: Scheduled Principal	
Certain United States Federal Income		Balances	S-II-1
Tax Consequences	S-56	Exhibit A: Underlying Certificates	A-1

TERMS SHEET

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

Sponsor: Citigroup Global Markets Inc.

Co-Sponsor: Great Pacific Securities

Trustee: U.S. Bank National Association

Tax Administrator: The Trustee

Closing Date: May 29, 2020

Distribution Dates: For the Group 1, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17 and 18 Securities, the 20th day of each month or, if the 20th day is not a Business Day, the first Business Day thereafter, commencing in June 2020. For the Group 2 Securities, the 16th day of each month or, if the 16th day is not a Business Day, the first Business Day thereafter, commencing in June 2020.

Trust Assets:

<u>Trust Asset Group or Subgroup⁽²⁾</u>	<u>Trust Asset Type</u>	<u>Certificate Rate</u>	<u>Original Term to Maturity (in years)</u>
1	Ginnie Mae II	5.50%	30
2A	Ginnie Mae I	4.25%	30
2B	Ginnie Mae I	4.50%	30
2C	Ginnie Mae I	4.75%	30
2D	Ginnie Mae I	5.00%	30
2E	Ginnie Mae I	5.25%	30
3	Ginnie Mae II	3.00%	30
4	Ginnie Mae II	4.50%	30
5	Ginnie Mae II	3.00%	30
6	Ginnie Mae II	4.00%	30
7	Underlying Certificates	(1)	(1)
8A	Ginnie Mae II	4.00%	30
8B	Ginnie Mae II	4.00%	30
8C	Underlying Certificate	(1)	(1)
9	Ginnie Mae II	3.50%	30
10	Ginnie Mae II	3.50%	30
11A	Underlying Certificate	(1)	(1)
11B	Underlying Certificate	(1)	(1)
11C	Underlying Certificate	(1)	(1)
11D	Underlying Certificates	(1)	(1)
11E	Underlying Certificate	(1)	(1)
11F	Underlying Certificate	(1)	(1)
12A	Underlying Certificates	(1)	(1)
12B	Underlying Certificate	(1)	(1)

<u>Trust Asset Group or Subgroup⁽²⁾</u>	<u>Trust Asset Type</u>	<u>Certificate Rate</u>	<u>Original Term to Maturity (in years)</u>
12C	Underlying Certificate	(1)	(1)
12D	Underlying Certificate	(1)	(1)
12E	Underlying Certificate	(1)	(1)
12F	Underlying Certificate	(1)	(1)
13A	Underlying Certificate	(1)	(1)
13B	Underlying Certificate	(1)	(1)
13C	Underlying Certificate	(1)	(1)
13D	Ginnie Mae II	4.50%	30
14	Ginnie Mae II	3.00%	30
15A	Ginnie Mae II	4.50%	30
15B	Ginnie Mae II	4.50%	30
16	Underlying Certificates	(1)	(1)
17A	Ginnie Mae II	3.00%	30
17B	Ginnie Mae II	3.00%	30
17C	Ginnie Mae II	3.00%	30
18	Ginnie Mae II	3.00%	30

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

(2) The Group 2, 8, 11, 12, 13, 15 and 17 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 14 and 17, payments on each Group will be based solely on payments on the Trust Asset Group with the same numerical designation.

Assumed Characteristics of the Mortgage Loans Underlying the Group 1, 2, 3, 4, 5, 6, 9, 10, 14, 15, 17 and 18 and Subgroup 8A, 8B and 13D Trust Assets⁽¹⁾:

<u>Principal Balance</u>	<u>Weighted Average Remaining Term to Maturity (in months)</u>	<u>Weighted Average Loan Age (in months)</u>	<u>Weighted Average Mortgage Rate⁽²⁾</u>
Group 1 Trust Assets			
\$32,694,804	201	149	5.944%
Subgroup 2A Trust Assets			
\$8,551,310	239	113	4.750%
Subgroup 2B Trust Assets			
\$6,336,097	235	115	5.000%
Subgroup 2C Trust Assets			
\$56,796,129	231	119	5.250%
Subgroup 2D Trust Assets			
\$2,792,956	230	118	5.500%

<u>Principal Balance</u>	<u>Weighted Average Remaining Term to Maturity (in months)</u>	<u>Weighted Average Loan Age (in months)</u>	<u>Weighted Average Mortgage Rate⁽²⁾</u>
Subgroup 2E Trust Assets			
\$1,844,204	222	124	5.750%
Group 3 Trust Assets			
\$100,000,000 ⁽³⁾	359	1	3.459%
Group 4 Trust Assets			
\$1,615,192	306	35	5.077%
3,083,962	345	13	5.023%
<u>3,525,158</u>	<u>354</u>	<u>6</u>	<u>5.016%</u>
<u>\$8,224,312</u>			
Group 5 Trust Assets			
\$51,818,992	354	3	3.508%
Group 6 Trust Assets			
\$29,791,408	358	1	4.500%
Subgroup 8A Trust Assets			
\$51,615,684	355	4	4.410%
Subgroup 8B Trust Assets			
\$12,256,677	347	12	4.570%
Group 9 Trust Assets			
\$30,000,000	355	5	3.920%
Group 10 Trust Assets			
\$30,000,000	355	5	3.920%
Subgroup 13D Trust Assets			
\$37,421,221	350	4	4.940%
Group 14 Trust Assets			
\$227,393,911	358	2	3.480%
Subgroup 15A Trust Assets			
\$91,629,188	356	3	4.940%
Subgroup 15B Trust Assets			
\$108,370,812	356	3	4.940%
Subgroup 17A Trust Assets			
\$72,000,000	357	2	3.500%
Subgroup 17B Trust Assets			
\$69,000,000	357	2	3.500%
Subgroup 17C Trust Assets			
\$102,000,000	357	2	3.500%
Group 18 Trust Assets			
\$86,936,021	356	2	3.518%

⁽¹⁾ As of May 1, 2020.

⁽²⁾ The Mortgage Loans underlying the Group 1, 3, 4, 5, 6, 9, 10, 14, 15, 17 and 18 and Subgroup 8A, 8B and 13D 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 Trust Assets may be higher balance Mortgage Loans. See “Risk Factors” in this Supplement.

The actual remaining terms to maturity, loan ages and, in the case of the Group 1, 3, 4, 5, 6, 9, 10, 14, 15, 17 and 18 and Subgroup 8A, 8B and 13D Trust Assets, Mortgage Rates of many of the Mortgage Loans underlying the Group 1, 2, 3, 4, 5, 6, 9, 10, 14, 15, 17 and 18 and Subgroup 8A, 8B and 13D Trust Assets will differ from the weighted averages shown above, perhaps significantly. See “The Trust Assets — The Mortgage Loans” in this Supplement.

Characteristics of the Group 7, 11, 12 and 16 and Subgroup 8C, 13A, 13B and 13C Trust Assets: See Exhibit A to this Supplement for certain information regarding the characteristics of the related Underlying Certificates.

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

Modification and Exchange: If you own exchangeable Securities you will be able, upon notice and payment of an exchange fee, to exchange them for a proportionate interest in the related Securities shown on Schedule I to this Supplement. Under certain circumstances, an MX Class that is a Weighted Average Coupon Class will be subject to mandatory exchange, with no exchange fee, for its related REMIC Securities. See “Description of the Securities — Modification and Exchange” in this Supplement.

Increased Minimum Denomination Classes: Each Class that constitutes a Principal Only, Interest Only or Weighted Average Coupon 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”) as follows:

<u>Class</u>	<u>Interest Rate Formula(1)</u>	<u>Initial Interest Rate(2)</u>	<u>Minimum Rate</u>	<u>Maximum Rate</u>	<u>Delay (in days)</u>	<u>LIBOR for Minimum Interest Rate</u>
Security Group 8						
F	LIBOR + 0.57%	0.74075%	0.57%	4.00%	0	0.00%
S	3.43% – LIBOR	3.25925%	0.00%	3.43%	0	3.43%
SB	3.43% – LIBOR	3.25925%	0.00%	3.43%	0	3.43%
Security Group 9						
FA	LIBOR + 0.63%	0.81363%	0.63%	3.50%	0	0.00%
SA	2.87% – LIBOR	2.68637%	0.00%	2.87%	0	2.87%
Security Group 10						
FC	LIBOR + 0.67%	0.97338%	0.67%	3.50%	0	0.00%
SC	2.83% – LIBOR	2.52662%	0.00%	2.83%	0	2.83%
Security Group 11						
IS	3.25% – LIBOR	2.00000%	0.00%	2.00%	0	3.25%

<u>Class</u>	<u>Interest Rate Formula(1)</u>	<u>Initial Interest Rate(2)</u>	<u>Minimum Rate</u>	<u>Maximum Rate</u>	<u>Delay (in days)</u>	<u>LIBOR for Minimum Interest Rate</u>
Security Group 14						
DF	LIBOR + 0.35%	0.53363%	0.35%	6.50%	0	0.00%
DS	6.15% – LIBOR	5.96637%	0.00%	6.15%	0	6.15%
ES	6.15% – LIBOR	5.96637%	0.00%	6.15%	0	6.15%
FD	LIBOR + 0.35%	0.53363%	0.35%	6.50%	0	0.00%
SD	6.15% – LIBOR	5.96637%	0.00%	6.15%	0	6.15%
Security Group 15						
FE	LIBOR + 0.35%	0.53363%	0.35%	6.50%	0	0.00%
GS	6.15% – LIBOR	5.96637%	0.00%	6.15%	0	6.15%
SE	6.15% – LIBOR	5.96637%	0.00%	6.15%	0	6.15%
SG	6.15% – LIBOR	5.96637%	0.00%	6.15%	0	6.15%
Security Group 17						
FM	LIBOR + 0.35%	0.53363%	0.35%	6.50%	0	0.00%
JS	6.15% – LIBOR	5.96637%	0.00%	6.15%	0	6.15%
KS	6.15% – LIBOR	5.96637%	0.00%	6.15%	0	6.15%
PF	LIBOR + 0.35%	0.53363%	0.35%	6.50%	0	0.00%
PS	6.15% – LIBOR	5.96637%	0.00%	6.15%	0	6.15%
SH	6.15% – LIBOR	5.96637%	0.00%	6.15%	0	6.15%
SJ	6.15% – LIBOR	5.96637%	0.00%	6.15%	0	6.15%
SK	6.15% – LIBOR	5.96637%	0.00%	6.15%	0	6.15%
Security Groups 14 and 17						
KF	LIBOR + 0.35%	0.53363%	0.35%	6.50%	0	0.00%

- (1) LIBOR 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.

Each of Classes WB, WC and WD is a Weighted Average Coupon Class that will accrue interest during each Accrual Period at an equivalent annualized rate derived by aggregating the accrued interest on its related REMIC Classes for such Accrual Period expressed as a percentage of its outstanding principal balance for such Accrual Period, subject to certain limitations as set forth under “Description of the Securities — Modification and Exchange” in this Supplement. The approximate initial Interest Rate for each Weighted Average Coupon Class, which will be in effect for the first Accrual Period, is as follows:

<u>Class</u>	<u>Approximate Initial Interest Rate</u>
WB	5.80773%
WC	5.78845%
WD	8.05380%

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 will be allocated to AB, until retired

SECURITY GROUP 2

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

SECURITY GROUP 3

The Group 3 Principal Distribution Amount and the PZ Accrual Amount will be allocated in the following order of priority:

1. Sequentially, to PA, PL and PY, in that order, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date
2. To PZ, until retired
3. Sequentially, to PA, PL and PY, in that order, without regard to their Aggregate Scheduled Principal Balance, until retired

SECURITY GROUP 4

The Group 4 Principal Distribution Amount and the GZ Accrual Amount will be allocated in the following order of priority:

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

SECURITY GROUP 5

The Group 5 Principal Distribution Amount and the AZ Accrual Amount will be allocated in the following order of priority:

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

SECURITY GROUP 6

The Group 6 Principal Distribution Amount and the ZG Accrual Amount will be allocated in the following order of priority:

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

SECURITY GROUP 7

The Group 7 Principal Distribution Amount and the ZN Accrual Amount will be allocated in the following order of priority:

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

SECURITY GROUP 8

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

SECURITY GROUP 9

The Group 9 Principal Distribution Amount will be allocated to FA, until retired

SECURITY GROUP 10

The Group 10 Principal Distribution Amount will be allocated to FC, until retired

SECURITY GROUP 11

The Subgroup 11C Principal Distribution Amount, the Subgroup 11D Principal Distribution Amount and the Subgroup 11E Principal Distribution Amount will be allocated as follows:

- The Subgroup 11C Principal Distribution Amount to OM, until retired
- The Subgroup 11D Principal Distribution Amount to PO, until retired
- The Subgroup 11E Principal Distribution Amount to UO, until retired

SECURITY GROUP 12

The Subgroup 12A Principal Distribution Amount, the Subgroup 12C Principal Distribution Amount and the Subgroup 12D Principal Distribution Amount will be allocated as follows:

- The Subgroup 12A Principal Distribution Amount to AO, until retired
- The Subgroup 12C Principal Distribution Amount to OC, until retired
- The Subgroup 12D Principal Distribution Amount to CO, until retired

SECURITY GROUP 13

The Subgroup 13A Principal Distribution Amount, the Subgroup 13B Principal Distribution Amount, the Subgroup 13C Principal Distribution Amount and the Subgroup 13D Principal Distribution Amount will be allocated as follows:

- The Subgroup 13A Principal Distribution Amount to QO, until retired
- The Subgroup 13B Principal Distribution Amount to OQ, until retired
- The Subgroup 13C Principal Distribution Amount to OU, until retired
- The Subgroup 13D Principal Distribution Amount, sequentially, to JA and JB, in that order, until retired

SECURITY GROUP 14

The Group 14 Principal Distribution Amount and the MZ Accrual Amount will be allocated as follows:

- The MZ Accrual Amount in the following order of priority:
 1. Concurrently, to DF and MA, pro rata, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date

2. To MZ, until retired
- The Group 14 Principal Distribution Amount, concurrently, as follows:
 1. 6.6666666373% to FD, until retired
 2. 93.3333333627%, in the following order of priority:
 - a. Concurrently, to DF and MA, pro rata, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date
 - b. To MZ, until retired
 - c. Concurrently, to DF and MA, pro rata, without regard to their Aggregate Scheduled Principal Balance, until retired

SECURITY GROUP 15

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

SECURITY GROUP 16

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

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

SECURITY GROUP 17

The Subgroup 17A Principal Distribution Amount, the Subgroup 17B Principal Distribution Amount, the Subgroup 17C Principal Distribution Amount, the LZ Accrual Amount and the UZ Accrual Amount will be allocated as follows:

- The LZ Accrual Amount, sequentially, to UL and LZ, in that order, until retired
- The UZ Accrual Amount, sequentially, to UK and UZ, in that order, until retired
- The Subgroup 17A Principal Distribution Amount and the Subgroup 17B Principal Distribution Amount, concurrently, as follows:
 1. 22.2222219858% to FM, until retired
 2. 77.7777780142%, in the following order of priority:
 - a. To LA, until reduced to its Scheduled Principal Balance for that Distribution Date
 - b. Sequentially, to UL and LZ, in that order, until retired
 - c. To LA, without regard to its Scheduled Principal Balance, until retired
- The Subgroup 17C Principal Distribution Amount, concurrently, as follows:
 1. 22.2222215686% to FM, until retired

2. 77.7777784314%, in the following order of priority:

- a. Concurrently, to AL and PF, pro rata, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date
- b. Sequentially, to UK and UZ, in that order, until retired
- c. Concurrently, to AL and PF, pro rata, without regard to their Aggregate Scheduled Principal Balance, until retired

SECURITY GROUP 18

The Group 18 Principal Distribution Amount and the ZU Accrual Amount will be allocated in the following order of priority:

1. Sequentially, to MC, MD and ME, in that order, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date
2. To ZU, until retired
3. Sequentially, to MC, MD and ME, in that order, without regard to their Aggregate Scheduled Principal Balance, until retired

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

<u>Security Group</u>		<u>Structuring Ranges</u>
	PAC Classes	
3	PA, PL and PY (in the aggregate)	159% PSA through 250% PSA
4	GA	165% PSA through 250% PSA
5	AC	190% PSA through 250% PSA
6	G	250% PSA through 400% PSA
7	NA	290% PSA through 350% PSA
14	DF and MA (in the aggregate)	125% PSA through 215% PSA
16	YA	250% PSA through 450% PSA
17	AL and PF (in the aggregate)	175% PSA through 245% PSA
17	LA	175% PSA through 245% PSA
18	MC, MD and ME (in the aggregate)	175% PSA through 275% 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 or notional balance of the related Trust Asset Group, Subgroup or Subgroups indicated:

<u>Class</u>	<u>Original Class Notional Balance</u>	<u>Represents Approximately</u>
Security Group 1		
IA	\$25,264,166	77.2727272727% of AB (PT Class)
Security Group 2		
BI	\$ 5,700,873	66.666666667% of the Subgroup 2A Trust Assets
	4,576,070	72.2222222222% of the Subgroup 2B Trust Assets
	44,174,767	77.7777777778% of the Subgroup 2C Trust Assets
	2,327,463	83.3333333333% of the Subgroup 2D Trust Assets
	1,639,292	88.8888888889% of the Subgroup 2E Trust Assets
	<u>\$58,418,465</u>	
Security Group 3		
DI	\$44,160,628	50% of PA, PL and PY (in the aggregate) (PAC/AD Classes)
ID	35,555,832	50% of PA (PAC/AD Class)
IP	37,863,283	50% of PA and PL (in the aggregate) (PAC/AD Classes)
Security Group 4		
GI	\$ 802,888	11.1111111111% of GA (PAC/AD Class)
IG	4,569,062	55.5555555556% of the Group 4 Trust Assets
Security Group 5		
AI	\$19,994,080	41.6666666667% of AC (PAC/AD Class)
Security Group 6		
IB	\$ 9,629,326	37.5% of G (PAC/AD Class)
Security Group 7		
IE	\$ 6,865,567	20% of NA (SC/PAC/AD Class)
IN	7,339,528	20% of the Group 7 Trust Assets
Security Group 8		
S	\$65,373,689	100% of the Subgroup 8B Trust Assets and the Subgroup 8C Trust Assets (in the aggregate)
SB	51,615,684	100% of the Subgroup 8A Trust Assets
Security Group 9		
SA	\$30,000,000	100% of FA (PT Class)
Security Group 10		
SC	\$30,000,000	100% of FC (PT Class)
Security Group 11		
IO	\$ 2,884,176	100% of the Subgroup 11A Trust Assets
IS	9,118,377	100% of the Subgroup 11B Trust Assets
NI	3,338,231	100% of the Subgroup 11F Trust Assets
Security Group 12		
CI	\$ 1,532,216	100% of OC (SC/PT Class)
EI	3,436,054	100% of the Subgroup 12E Trust Assets
IC	3,000,000	100% of CO (SC/PT Class)
IH	1,381,793	100% of the Subgroup 12F Trust Assets
IT	5,239,264	100% of the Subgroup 12B Trust Assets

Class	Original Class Notional Balance	Represents Approximately
Security Group 13		
IQ	\$ 10,651,801	120% of OQ (SC/PT Class)
JI	24,947,480	66.6666666667% of JA and JB (in the aggregate) (SEQ Classes)
QI	3,363,000	100% of QO (SC/PT Class)
WI	\$ 3,363,000	100% of QO (SC/PT Class)
	10,651,801	120% of OQ (SC/PT Class)
	<u>\$ 14,014,801</u>	
Security Group 14		
DS	\$ 38,786,172	100% of DF (PAC/AD Class)
ES	\$ 38,786,172	100% of DF (PAC/AD Class)
	15,159,594	100% of FD (PT Class)
	<u>\$ 53,945,766</u>	
SD	\$ 15,159,594	100% of FD (PT Class)
Security Group 15		
GS	\$ 54,185,406	50% of the Subgroup 15B Trust Assets
SE	\$ 45,814,594	50% of the Subgroup 15A Trust Assets
	54,185,406	50% of the Subgroup 15B Trust Assets
	<u>\$100,000,000</u>	
SG	\$ 45,814,594	50% of the Subgroup 15A Trust Assets
Security Group 16		
YI	\$ 11,619,692	71.4285714286% of YA (SC/PAC/AD Class)
Security Group 17		
JS	\$ 3,722,193	100% of PF (PAC Class)
	22,666,666	22.222215686% of the Subgroup 17C Trust Assets
	<u>\$ 26,388,859</u>	
KS	\$ 15,333,333	22.222217391% of the Subgroup 17B Trust Assets
LI	8,146,859	8.333333333% of LA (PAC Class)
PS	3,722,193	100% of PF (PAC Class)
SH	22,666,666	22.222215686% of the Subgroup 17C Trust Assets
SJ	\$ 16,000,000	22.222222222% of the Subgroup 17A Trust Assets
	15,333,333	22.222217391% of the Subgroup 17B Trust Assets
	<u>\$ 31,333,333</u>	
SK	\$ 16,000,000	22.222222222% of the Subgroup 17A Trust Assets
Security Group 18		
IK	\$ 24,930,666	33.333333333% of MC and MD (in the aggregate) (PAC/AD Classes)
IM	24,197,666	33.333333333% of MC (PAC/AD Class)
KI	25,460,000	33.333333333% of MC, MD and ME (in the aggregate) (PAC/AD Classes)
MI	25,460,000	33.333333333% of MC, MD and ME (in the aggregate) (PAC/AD Classes)
Tax Status: Double REMIC Series. See “Certain United States Federal Income Tax Consequences” in this Supplement and in the Base Offering Circular.		
Regular and Residual Classes: Class RR is a Residual Class and represents the Residual Interest of the Issuing REMIC and the Pooling REMIC. All other Classes of REMIC Securities are Regular Classes.		

RISK FACTORS

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

The rate of principal payments on the underlying mortgage loans will affect the rate of principal payments on your securities.

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

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

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

A catastrophic weather event, pandemic or other natural disaster may affect the rate of principal payments, including prepayments, on the underlying mortgage loans. Any such event may damage the related mortgaged properties that secure the mortgage loans or may lead to a general economic downturn in the affected regions, including job losses and declines in real estate values. A general economic downturn may increase the rate of defaults on the mortgage loans in such areas resulting in prepayments on the related securities due to governmental mortgage insurance claim payments, loss mitigation arrangements, repurchases or liquidations of defaulted mortgage loans. Insurance payments on damaged or destroyed homes may also lead to prepayments on the underlying mortgage loans. Further, in connection with presidentially declared major disasters, Ginnie Mae may authorize optional special assistance to issuers, including expanded buyout authority which allows issuers, upon receiving written approval from Ginnie Mae, to repurchase eligible loans from the related pool underlying a Ginnie Mae MBS certificate, even if such loans are not delinquent or do not otherwise meet the standard conditions for removal or repurchase.

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

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

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

principal payments are slower than you expected.

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

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

The levels of LIBOR will affect the yields on floating rate and inverse floating rate securities and the class WB securities. If LIBOR 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 will generally reduce the yield on floating rate securities; higher levels of LIBOR will generally reduce the yield on inverse floating rate securities and the class WB securities. You should bear in mind that the timing of changes in the level of LIBOR may affect your yield:

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

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

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

The rate of payments on the underlying certificates will directly affect the rate of payments on the group 7, 8, 11, 12, 13 and 16 securities. The underlying certificates will be sensitive in varying degrees to:

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

As described in the related underlying certificate disclosure documents, the underlying certificates

included in trust asset subgroups 12C, 12D and 13A are not entitled to distributions of principal until certain classes of the related underlying series have been retired and, accordingly, distributions of principal of the related mortgage loans for extended periods may be applied to the distribution of principal of such classes of certificates having priority over these underlying certificates. Accordingly, these underlying certificates may receive no principal distributions for extended periods of time.

In addition, the underlying certificate included in trust asset subgroups 11E and 13C is a class that provides support to other classes, and it is entitled to receive principal distributions only if scheduled payments have been made on other specified classes of the related underlying series (or if specified classes have been retired). Accordingly, this underlying certificate may receive no principal distributions for extended periods of time or may receive principal payments that vary widely from period to period.

In addition, the principal entitlements of and the reductions in notional balances of certain of the underlying certificates included in trust asset groups 7 and 16 and subgroups 11F, 12C, 12D and 13A on any payment date are calculated, directly or indirectly, on the basis of schedules; no assurance can be given that the underlying certificates will adhere to their schedules. Further, prepayments on the related mortgage loans may have occurred at rates faster or slower than those initially assumed.

The trust assets underlying the underlying certificates included in trust asset subgroups 11A, 11B, 11C, 11D, 12A, 12B, 12F, 13A and 13B are also previously issued certificates that represent beneficial ownership interests in separate trusts. The rate of payments on the previously issued certificates backing these underlying certificates will directly affect the timing and rate of payments on the group 11, 12 and 13 securities. You should read the related underlying certificate disclosure documents, including the risk factors contained therein, to understand the payments on and related risks of the previously issued certificates backing these underlying certificates.

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

Up to 10% of the mortgage loans underlying the group 1, 2, 4, 5, 6, 7, 8, 9, 10, 14, 15, 17 and 18 and subgroup 11D, 11E, 11F, 12A, 12C, 12D, 12F, 13A, 13C and 13D trust assets and up to 100% of the mortgage loans underlying the group 3 and 16 and subgroup 11A, 11B, 11C, 12B, 12E and 13B 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 in LIBOR Classes. On July 27, 2017, the U.K.-based Financial Conduct Authority (the “FCA”) announced its intention to cease sustaining LIBOR after 2021. The FCA indicated that it does

not intend to sustain LIBOR through using its influence or legal powers beyond that date. It is possible that the ICE Benchmark Administration (“ICE”) and the reference banks could continue to produce LIBOR on the current basis after 2021, if they are willing and able to do so, but it cannot be predicted or assured whether LIBOR will survive in its current form, a modified form, or at all. If LIBOR changes in a manner that causes regulators or market participants to question LIBOR’s continued viability as a benchmark, or if LIBOR becomes unavailable, investors in financial instruments linked to LIBOR will likely experience disparate outcomes based on relevant contractual terms, market or product type, jurisdiction, and a host of other factors. There can be no assurance that legislative or regulatory actions will provide for an effective LIBOR substitute or replacement or that broadly accepted industry practices regarding LIBOR cessation will develop. It is uncertain what effect such disparate outcomes or divergent industry practices will have on the performance or value of securities with an interest rate based on LIBOR (“LIBOR Classes”).

In the event of a benchmark transition event with respect to LIBOR, Ginnie Mae will select an alternative index for LIBOR Classes 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 Alternative Reference Rates Committee (“ARRC”) convened by the Federal Reserve Board and the Federal Reserve Bank of New York, 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 be sufficient to trigger a change from LIBOR to an alternative index in all circumstances where LIBOR is no longer representative of market interest rates, or that benchmark transition events for the LIBOR Classes 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 the secured overnight financing rate (“SOFR”) published by the Federal Reserve Bank of New York, and the last two alternatives are not currently specified. SOFR is a secured, risk-free rate that is calculated based on different criteria than LIBOR, which is an unsecured rate reflecting counterparty risk. Accordingly, SOFR and LIBOR may diverge, particularly in times of macroeconomic stress. Since the initial publication of SOFR in April 2018, daily changes in SOFR have at times been more volatile than daily changes in comparable benchmark or market rates. Over the lives of the LIBOR Classes, SOFR may diverge from historical or indicative data. Term SOFR, which is the first alternative benchmark, is expected to be a prospective term rate based on SOFR. Term SOFR is currently in development and no assurance can be provided that its development will be completed. If term SOFR is unavailable as of the benchmark replacement date, as defined in the base offering circular under “Description of the Securities — Interest Rate Indices — Determination of LIBOR”, the next alternative benchmark is compounded SOFR. Compounded SOFR is a compounded average for which there are multiple methodologies, which may also diverge from LIBOR. 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 the 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 the 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 whether a benchmark transition event and its related benchmark replacement date have occurred, 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 index is not administratively feasible, including as a result of technical, administrative or operational issues, then such alternative index will be deemed not determinable as of such date. Ginnie Mae may determine an alternative not to be administratively feasible even if such alternative index has been adopted by other market participants in similar products. Furthermore, if Ginnie Mae does not select an alternative index 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 the LIBOR Classes, will be subject to the approval of security holders.

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

The securities may not be a suitable investment for you. The securities, especially the

group 7, 8, 11, 12, 13 and 16 securities and, in particular, the support, interest only, principal only, weighted average coupon, accrual and residual classes, are not suitable investments for all investors.

In addition, although the sponsor intends to make a market for the purchase and sale of the securities after their initial issuance, it has no obligation to do so. There is no assurance that a secondary market will develop, that any secondary market will continue, or that the price at which you can sell an investment in any class will enable you to realize a desired yield on that investment.

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

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

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

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

The actual characteristics of the underlying mortgage loans will affect the weighted average lives and yields of your securities.

The yield and decrement tables in this

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

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

THE TRUST ASSETS

General

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

The Trust MBS (Groups 1, 2, 3, 4, 5, 6, 9, 10, 14, 15, 17 and 18 and Subgroups 8A, 8B and 13D)

The Group 2 Trust Assets are either:

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

Each Mortgage Loan underlying a Ginnie Mae I MBS Certificate bears interest at a Mortgage Rate 0.50% per annum greater than the related Certificate Rate. The difference between the Mortgage Rate and the Certificate Rate is used to pay the related servicers of the Mortgage Loans a monthly servicing fee and Ginnie Mae a fee for its guaranty of the Ginnie Mae I MBS Certificate of 0.44% per annum and 0.06% per annum, respectively, of the outstanding principal balance of the Mortgage Loan.

The Group 1, 3, 4, 5, 6, 9, 10, 14, 15, 17 and 18 and Subgroup 8A, 8B and 13D 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 Underlying Certificates (Groups 7, 11, 12 and 16 and Subgroups 8C, 13A, 13B and 13C)

The Group 7, 11, 12 and 16 and Subgroup 8C, 13A, 13B and 13C Trust Assets are Underlying Certificates that represent beneficial ownership interests in one or more separate trusts, the assets of which

evidence direct or indirect beneficial ownership interests in certain Ginnie Mae Certificates. Each Underlying Certificate constitutes all or a portion of a class of a separate Series of certificates described in the related Underlying Certificate Disclosure Document. Each Underlying Certificate Disclosure Document may be obtained from the Information Agent as described under “Available Information” in this Supplement or on ginniemae.gov. Investors are cautioned that material changes in facts and circumstances may have occurred since the date of each Underlying Certificate Disclosure Document, including changes in prepayment rates, prevailing interest rates and other economic factors, which may limit the usefulness of, and be directly contrary to the assumptions used in preparing the information included in, the offering document. *See “Underlying Certificates” in the Base Offering Circular.*

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

The Mortgage Loans

The Mortgage Loans underlying the Group 1, 2, 3, 4, 5, 6, 9, 10, 14, 15, 17 and 18 and Subgroup 8A, 8B and 13D Trust Assets are expected to have, on a weighted average basis, the characteristics set forth in the Terms Sheet under “Assumed Characteristics of the Mortgage Loans Underlying the Group 1, 2, 3, 4, 5, 6, 9, 10, 14, 15, 17 and 18 and Subgroup 8A, 8B and 13D 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, in the case of the Group 1, 3, 4, 5, 6, 9, 10, 14, 15, 17 and 18 and Subgroup 8A, 8B and 13D Trust Assets, Mortgage Rates of the Mortgage Loans underlying the Trust MBS. However, the actual remaining terms to maturity, loan ages and, in the case of the Group 1, 3, 4, 5, 6, 9, 10, 14, 15, 17 and 18 and Subgroup 8A, 8B and 13D Trust Assets, Mortgage Rates of many of the Mortgage Loans will differ from the characteristics assumed, perhaps significantly. This will be the case even if the weighted average characteristics of the Mortgage Loans are the same as the assumed characteristics. Small differences in the characteristics of the Mortgage Loans can have a significant effect on the Weighted Average Lives and yields of the Securities. *See “Risk Factors” and “Yield, Maturity and Prepayment Considerations” in this Supplement.*

The Trustee Fee

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

GINNIE MAE GUARANTY

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

DESCRIPTION OF THE SECURITIES

General

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

Form of Securities

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

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

Each Regular and MX Class (other than the Increased Minimum Denomination Classes) will be issued in minimum dollar denominations of initial principal balance of \$1,000 and integral multiples of \$1 in excess of \$1,000. The Increased Minimum Denomination Classes will be issued in minimum denominations that equal \$100,000 in initial principal or notional balance.

Distributions

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

Interest Distributions

The Interest Distribution Amount will be distributed on each Distribution Date to the Holders of all Classes of Securities entitled to distributions of interest.

- Interest will be calculated on the basis of a 360-day year consisting of twelve 30-day months.
- Interest distributable (or accrued in the case of an Accrual Class) on any Class for any Distribution Date will consist of 30 days’ interest on its Class Principal Balance (or Class Notional Balance) as of the related Record Date.
- Investors can calculate the amount of interest to be distributed (or accrued in the case of an Accrual Class) on each Class of Securities for any Distribution Date by using the Class Factors published in the preceding month. See *“— Class Factors” below*.

Categories of Classes

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

Accrual Periods

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

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

Fixed Rate Classes

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

Floating Rate and Inverse Floating Rate Classes

The Floating Rate and Inverse Floating Rate Classes will bear interest as shown under “Terms Sheet — Interest Rates” in this Supplement. The Interest Rates for the Floating Rate and Inverse Floating Rate Classes will be based on 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. In the case of the Group 8 and 11 Securities, the Trustee will use the same values of LIBOR as are used for the related Underlying Certificates.

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. If LIBOR becomes unavailable, a replacement rate will be selected, as described under “Description of the Securities — Interest Rate Indices — Determination of LIBOR” in the Base Offering Circular.

Weighted Average Coupon Classes

The Weighted Average Coupon Classes will bear interest as shown under “Terms Sheet — Interest Rates” in this Supplement.

The Trustee’s determination of LIBOR and its calculation of the Interest Rates will be final except in the case of clear error. Investors can obtain LIBOR 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 AZ, GZ, LZ, MZ, PZ, UZ, ZG, ZN, ZU and ZY 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 RR Securities will represent the beneficial ownership of the Residual Interest in the Issuing REMIC and the beneficial ownership of the Residual Interest in the Pooling REMIC, as described in “Certain United States Federal Income Tax Consequences” in the Base Offering Circular. The Class RR Securities have no Class Principal Balance and do not accrue interest. The Class RR Securities will be entitled to receive the proceeds of the disposition of any assets remaining in the Trust REMICs after the Class Principal Balance or Class Notional Balance of each Class of Regular Securities has been reduced to zero. However, any remaining proceeds are not likely to be significant. The Residual Securities may not be transferred to a Plan Investor, a Non-U.S. Person or a Disqualified Organization.

Class Factors

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

- The Class Factor for any Class of Securities for each month following the issuance of the Securities will reflect its remaining Class Principal Balance (or Class Notional Balance) after giving effect to any principal distribution (or addition to principal) to be made or any reduction of Class Notional Balance on the Distribution Date occurring in that month.
- The Class Factor for each Class for the month of issuance is 1.00000000.
- The Class Factors for the MX Classes and the Classes of REMIC Securities that are exchangeable for the MX Classes will be calculated assuming that the maximum possible amount of each Class is outstanding at all times, regardless of any exchanges that may occur.
- Based on the Class Factors published in the preceding and current months (and Interest Rates), investors in any Class (other than an Accrual Class) can calculate the amount of principal and

interest to be distributed to that Class and investors in an Accrual Class can calculate the total amount of principal to be distributed to (or interest to be added to the Class Principal Balance of) that Class on the Distribution Date in the current month.

- Investors may obtain current Class Factors on ginniemae.gov.

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

Termination

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

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

Modification and Exchange

All or a portion of the Classes of REMIC Securities specified on the front cover may be exchanged for a proportionate interest in the related MX Class or Classes shown on Schedule I to this Supplement. Similarly, all or a portion of the related MX Class or Classes may be exchanged for proportionate interests in the related Class or Classes of REMIC Securities and, in the case of Combinations 1, 2, 3, 4, 5, 13, 20, 21 and 22, 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, 2, 3, 4, 5, 13, 20, 21 and 22, 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.*

In the case of Combinations 6, 7 and 10, each of the MX Securities is a Weighted Average Coupon Class that will accrue interest as described under “Terms Sheet — Interest Rates” in this Supplement. In the event that either (1) the Interest Rate of any such MX Class will equal or exceed 1,200% per annum for any Accrual Period or (2) the Class Principal Balance of any such MX Class will be reduced to zero on any Distribution Date, the Trustee will, prior to the close of business on the last Business Day of the calendar month immediately preceding the related Distribution Date in the first case, and prior to the related Distribution Date on which the Class Principal Balance of any such MX Class would be reduced

to zero in the second case, effect a mandatory exchange of such MX Class for its related REMIC Securities. Thereafter, no further exchanges of such REMIC Securities will be permitted for the related Combination.

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 2020-062. The Trustee may be contacted by telephone at (617) 603-6451 and by fax at (617) 603-6644.

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

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

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

YIELD, MATURITY AND PREPAYMENT CONSIDERATIONS

General

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

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

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

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

In addition, following any Mortgage Loan default and the subsequent liquidation of the underlying Mortgaged Property, the principal balance of the Mortgage Loan will be distributed through a

combination of liquidation proceeds, advances from the related Ginnie Mae Issuer and, to the extent necessary, proceeds of Ginnie Mae's guaranty of the Ginnie Mae Certificates. As a result, defaults experienced on the Mortgage Loans will accelerate the distribution of principal of the Securities.

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

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

Investors in the Group 7, 8, 11, 12, 13 and 16 Securities are urged to review the discussion under *"Risk Factors — The rate of payments on the underlying certificates will directly affect the rate of payments on the group 7, 8, 11, 12, 13 and 16 securities"* in this Supplement.

Accretion Directed Classes

Classes AC, DF, G, GA, MA, MC, MD, ME, NA, PA, PL, PY, UK, UL and YA 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 AI, DS, GI and MI 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 Amount, they do not have principal payment stability through any prepayment rate significantly higher than 0% PSA, except within any applicable Effective Range.

Securities that Receive Principal on the Basis of Schedules

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

Each PAC Class exhibits an Effective Range of constant prepayment rates at which such Class will receive Scheduled Payments. That range may differ from the Structuring Range used to create the

related principal balance schedule. Based on the Modeling Assumptions, the *initial* Effective Ranges for the PAC Classes are as follows:

<u>Security Group</u>		<u>Initial Effective Ranges</u>
PAC Classes		
3	PA, PL and PY (in the aggregate)	159% PSA through 250% PSA
4	GA	165% PSA through 250% PSA
5	AC	190% PSA through 250% PSA
6	G	250% PSA through 400% PSA
7	NA	290% PSA through 350% PSA
14	DF and MA (in the aggregate)	125% PSA through 215% PSA
16	YA	250% PSA through 450% PSA
17	AL and PF (in the aggregate)	175% PSA through 245% PSA
17	LA	175% PSA through 245% PSA
18	MC, MD and ME (in the aggregate)	175% PSA through 275% PSA

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

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

There is no assurance that the related Mortgage Loans will have the characteristics assumed in the Modeling Assumptions, which were used to determine the initial Effective Ranges. If the initial Effective Ranges were calculated using the actual characteristics of the related Mortgage Loans, the initial Effective Ranges could differ from those shown in the above table. Therefore, even if the Mortgage Loans were to prepay at a constant rate within the initial Effective Range shown for any Class in the above table, that Class could fail to receive Scheduled Payments.

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

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

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

Assumability

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

Final Distribution Date

The Final Distribution Date for each Class, which is set forth on the front cover of this Supplement or on Schedule I to this Supplement, is the latest date on which the related Class Principal Balance or Class Notional Balance will be reduced to zero.

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

Modeling Assumptions

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

1. The Mortgage Loans underlying the Group 1, 2, 3, 4, 5, 6, 9, 10, 14, 15, 17 and 18 and Subgroup 8A, 8B and 13D Trust Assets have the assumed characteristics shown under “Assumed Characteristics of the Mortgage Loans Underlying the Group 1, 2, 3, 4, 5, 6, 9, 10, 14, 15, 17 and 18 and Subgroup 8A, 8B and 13D Trust Assets” in the Terms Sheet, except in the case of information set forth under the 0% PSA Prepayment Assumption Rate, for which each Mortgage Loan underlying a Group 1, 2, 3, 4, 5, 6, 9, 10, 14, 15, 17 or 18 or Subgroup 8A, 8B or 13D Trust Asset is assumed to have an original and a remaining term to maturity of 360 months and each Mortgage Loan underlying a Group 1, 3, 4, 5, 6, 9, 10, 14, 15, 17 or 18 or Subgroup 8A, 8B or 13D Trust Asset is assumed to have a Mortgage Rate of 1.50% per annum higher than the related Certificate Rate.

2. The Mortgage Loans prepay at the constant percentages of PSA (described below) shown in the related table.

3. Distributions on the Group 1, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17 and 18 Securities are always received on the 20th day of the month, and distributions on the Group 2 Securities are always received on the 16th day of the month, in each case, whether or not a Business Day, commencing in June 2020.

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

5. The Closing Date for the Securities is May 29, 2020.

6. No expenses or fees are paid by the Trust other than the Trustee Fee, which is paid as described under “The Trust Assets — The Trustee Fee” in this Supplement.

7. Distributions on the Underlying Certificates are made as described in the related Underlying Certificate Disclosure Documents.

8. Each Class is held from the Closing Date and is not exchanged in whole or in part, including that there is no mandatory exchange of any MX Class that is a Weighted Average Coupon Class.

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

- For example, most of the Mortgage Loans will not have the characteristics assumed, many Distribution Dates will occur on a Business Day after the 16th or 20th day of the month, as applicable, 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	Classes AB and IA				
	0%	100%	200%	300%	400%
Initial Percent	100	100	100	100	100
May 2021	99	91	85	79	73
May 2022	98	82	72	62	53
May 2023	97	74	60	49	39
May 2024	95	66	51	38	28
May 2025	94	58	42	30	20
May 2026	93	52	35	23	14
May 2027	91	45	28	17	10
May 2028	89	39	23	13	7
May 2029	88	34	19	10	5
May 2030	86	28	15	7	3
May 2031	84	23	11	5	2
May 2032	82	19	8	4	1
May 2033	79	14	6	2	1
May 2034	77	10	4	1	1
May 2035	74	6	2	1	0
May 2036	71	3	1	0	0
May 2037	68	0	0	0	0
May 2038	65	0	0	0	0
May 2039	61	0	0	0	0
May 2040	57	0	0	0	0
May 2041	53	0	0	0	0
May 2042	49	0	0	0	0
May 2043	44	0	0	0	0
May 2044	39	0	0	0	0
May 2045	34	0	0	0	0
May 2046	28	0	0	0	0
May 2047	22	0	0	0	0
May 2048	15	0	0	0	0
May 2049	8	0	0	0	0
May 2050	0	0	0	0	0
Weighted Average Life (years)	19.9	6.9	5.1	3.9	3.1

Security Group 2 PSA Prepayment Assumption Rates										
Distribution Date	Class BD					Class BI				
	0%	100%	200%	300%	400%	0%	100%	200%	300%	400%
Initial Percent	100	100	100	100	100	100	100	100	100	100
May 2021	99	91	85	79	74	99	91	85	79	74
May 2022	97	83	73	63	54	97	83	73	63	54
May 2023	95	75	61	50	40	96	75	61	50	40
May 2024	94	68	52	39	29	94	68	52	39	29
May 2025	92	61	44	31	21	92	61	44	31	21
May 2026	90	54	37	24	15	90	54	37	24	15
May 2027	88	48	30	19	11	88	48	30	19	11
May 2028	86	43	25	14	8	86	43	25	14	8
May 2029	84	38	21	11	6	84	38	21	11	6
May 2030	82	33	17	8	4	82	33	17	8	4
May 2031	79	28	14	6	3	79	28	14	6	3
May 2032	77	24	11	5	2	77	24	11	5	2
May 2033	74	20	8	3	1	74	20	8	3	1
May 2034	71	16	6	2	1	71	16	6	2	1
May 2035	69	13	5	2	1	69	13	5	2	1
May 2036	65	9	3	1	0	65	9	3	1	0
May 2037	62	6	2	1	0	62	6	2	1	0
May 2038	59	3	1	0	0	59	3	1	0	0
May 2039	55	1	0	0	0	55	1	0	0	0
May 2040	51	0	0	0	0	51	0	0	0	0
May 2041	47	0	0	0	0	47	0	0	0	0
May 2042	43	0	0	0	0	43	0	0	0	0
May 2043	39	0	0	0	0	39	0	0	0	0
May 2044	34	0	0	0	0	34	0	0	0	0
May 2045	29	0	0	0	0	29	0	0	0	0
May 2046	24	0	0	0	0	24	0	0	0	0
May 2047	18	0	0	0	0	18	0	0	0	0
May 2048	12	0	0	0	0	12	0	0	0	0
May 2049	6	0	0	0	0	6	0	0	0	0
May 2050	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	18.7	7.6	5.4	4.1	3.2	18.8	7.6	5.4	4.1	3.2

Security Group 3 PSA Prepayment Assumption Rates															
Distribution Date	Classes BE, BG, BH, BJ, BK, BL, IP and PB					Classes BM, BN, BP, BQ, BR, BT, DI and PD					Classes DB, DC, DE, DG, DH, DJ, ID and PA				
	0%	159%	200%	250%	400%	0%	159%	200%	250%	400%	0%	159%	200%	250%	400%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
May 2021	97	94	94	94	94	98	95	95	95	95	97	93	93	93	93
May 2022	95	83	83	83	83	95	86	86	86	86	94	82	82	82	82
May 2023	92	70	70	70	59	93	74	74	74	65	91	68	68	68	56
May 2024	89	57	57	57	39	90	63	63	63	48	88	54	54	54	35
May 2025	86	46	46	46	25	88	54	54	54	36	85	42	42	42	20
May 2026	83	36	36	36	14	85	45	45	45	26	81	32	32	32	9
May 2027	79	27	27	27	6	82	37	37	37	19	78	22	22	22	0
May 2028	76	19	19	19	0	79	31	31	31	14	74	14	14	14	0
May 2029	72	13	13	13	0	76	25	25	25	11	70	7	7	7	0
May 2030	68	8	8	8	0	73	21	21	21	8	66	2	2	2	0
May 2031	64	3	3	3	0	69	17	17	17	6	62	0	0	0	0
May 2032	60	0	0	0	0	66	14	14	14	4	58	0	0	0	0
May 2033	56	0	0	0	0	62	11	11	11	3	53	0	0	0	0
May 2034	51	0	0	0	0	58	9	9	9	2	48	0	0	0	0
May 2035	47	0	0	0	0	54	7	7	7	2	43	0	0	0	0
May 2036	42	0	0	0	0	50	6	6	6	1	38	0	0	0	0
May 2037	37	0	0	0	0	46	5	5	5	1	33	0	0	0	0
May 2038	31	0	0	0	0	41	4	4	4	1	27	0	0	0	0
May 2039	26	0	0	0	0	36	3	3	3	0	21	0	0	0	0
May 2040	20	0	0	0	0	31	2	2	2	0	15	0	0	0	0
May 2041	14	0	0	0	0	26	2	2	2	0	8	0	0	0	0
May 2042	7	0	0	0	0	21	1	1	1	0	1	0	0	0	0
May 2043	1	0	0	0	0	15	1	1	1	0	0	0	0	0	0
May 2044	0	0	0	0	0	9	1	1	1	0	0	0	0	0	0
May 2045	0	0	0	0	0	3	1	1	1	0	0	0	0	0	0
May 2046	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
May 2047	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
May 2048	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
May 2049	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
May 2050	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	13.4	5.1	5.1	5.1	3.7	15.0	6.7	6.7	6.7	4.8	12.8	4.7	4.7	4.7	3.5

PSA Prepayment Assumption Rates															
Distribution Date	Class PL					Class PY					Class PZ				
	0%	159%	200%	250%	400%	0%	159%	200%	250%	400%	0%	159%	200%	250%	400%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
May 2021	100	100	100	100	100	100	100	100	100	100	103	103	98	92	72
May 2022	100	100	100	100	100	100	100	100	100	100	106	106	89	67	5
May 2023	100	100	100	100	100	100	100	100	100	100	109	109	77	38	0
May 2024	100	100	100	100	100	100	100	100	100	100	113	113	68	18	0
May 2025	100	100	100	100	100	100	100	100	100	100	116	116	64	6	0
May 2026	100	100	100	100	100	100	100	100	100	100	120	120	62	1	0
May 2027	100	100	100	100	100	100	100	100	100	100	123	123	63	0	0
May 2028	100	100	100	100	2	100	100	100	100	100	127	123	62	0	0
May 2029	100	100	100	100	0	100	100	100	100	74	131	120	60	0	0
May 2030	100	100	100	100	0	100	100	100	100	55	135	115	56	0	0
May 2031	100	53	53	53	0	100	100	100	100	40	139	109	52	0	0
May 2032	100	0	0	0	0	100	98	98	98	29	143	101	48	0	0
May 2033	100	0	0	0	0	100	80	80	80	21	148	93	43	0	0
May 2034	100	0	0	0	0	100	65	65	65	15	152	85	39	0	0
May 2035	100	0	0	0	0	100	52	52	52	11	157	77	35	0	0
May 2036	100	0	0	0	0	100	42	42	42	8	162	69	31	0	0
May 2037	100	0	0	0	0	100	34	34	34	6	166	61	27	0	0
May 2038	100	0	0	0	0	100	27	27	27	4	171	54	23	0	0
May 2039	100	0	0	0	0	100	21	21	21	3	177	47	20	0	0
May 2040	100	0	0	0	0	100	17	17	17	2	182	40	17	0	0
May 2041	100	0	0	0	0	100	13	13	13	1	188	34	14	0	0
May 2042	100	0	0	0	0	100	10	10	10	1	193	29	11	0	0
May 2043	13	0	0	0	0	100	8	8	8	1	199	23	9	0	0
May 2044	0	0	0	0	0	63	6	6	6	0	205	19	7	0	0
May 2045	0	0	0	0	0	20	4	4	4	0	212	15	6	0	0
May 2046	0	0	0	0	0	3	3	3	3	0	187	11	4	0	0
May 2047	0	0	0	0	0	2	2	2	2	0	144	8	3	0	0
May 2048	0	0	0	0	0	1	1	1	1	0	98	5	2	0	0
May 2049	0	0	0	0	0	0	0	0	0	0	50	2	1	0	0
May 2050	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	22.7	11.1	11.1	11.1	7.5	24.4	16.3	16.3	16.3	11.2	27.8	17.6	11.4	2.7	1.3

Security Group 4 PSA Prepayment Assumption Rates															
Distribution Date	Classes GA and GI					Class GZ					Class IG				
	0%	165%	200%	250%	400%	0%	165%	200%	250%	400%	0%	165%	200%	250%	400%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
May 2021	98	91	91	91	91	102	102	91	76	31	99	92	91	89	84
May 2022	97	80	80	80	73	104	104	81	48	0	97	83	80	76	64
May 2023	95	68	68	68	55	106	106	72	25	0	96	73	69	63	48
May 2024	93	58	58	58	41	108	108	66	11	0	95	64	59	53	36
May 2025	91	49	49	49	30	111	111	63	3	0	93	57	51	44	27
May 2026	88	41	41	41	22	113	113	63	0	0	91	50	44	36	20
May 2027	86	34	34	34	17	115	114	63	0	0	90	44	38	30	15
May 2028	84	28	28	28	12	117	112	61	0	0	88	39	32	25	11
May 2029	81	23	23	23	9	120	108	58	0	0	86	34	28	21	8
May 2030	78	19	19	19	7	122	103	54	0	0	84	29	24	17	6
May 2031	75	16	16	16	5	125	96	50	0	0	81	26	20	14	4
May 2032	72	13	13	13	4	127	89	46	0	0	79	22	17	11	3
May 2033	69	11	11	11	3	130	82	41	0	0	77	19	14	9	2
May 2034	66	9	9	9	2	132	74	37	0	0	74	17	12	8	2
May 2035	62	7	7	7	1	135	67	33	0	0	71	14	10	6	1
May 2036	58	6	6	6	1	138	59	29	0	0	68	12	8	5	1
May 2037	54	4	4	4	1	140	52	25	0	0	65	10	7	4	1
May 2038	50	4	4	4	1	143	45	21	0	0	61	9	6	3	0
May 2039	46	3	3	3	0	146	39	18	0	0	58	7	5	2	0
May 2040	41	2	2	2	0	149	33	15	0	0	54	6	4	2	0
May 2041	36	2	2	2	0	152	28	12	0	0	50	5	3	1	0
May 2042	30	1	1	1	0	155	23	10	0	0	46	4	2	1	0
May 2043	25	1	1	1	0	158	18	8	0	0	41	3	2	1	0
May 2044	19	1	1	1	0	162	14	6	0	0	36	2	1	1	0
May 2045	13	0	0	0	0	165	10	4	0	0	31	2	1	0	0
May 2046	6	0	0	0	0	168	7	3	0	0	26	1	1	0	0
May 2047	0	0	0	0	0	161	4	2	0	0	20	1	0	0	0
May 2048	0	0	0	0	0	111	2	1	0	0	14	0	0	0	0
May 2049	0	0	0	0	0	57	0	0	0	0	7	0	0	0	0
May 2050	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average															
Life (years)	16.7	6.2	6.2	6.2	4.3	28.5	16.9	10.8	2.1	0.8	19.3	7.8	6.8	5.7	3.8

Security Group 5 PSA Prepayment Assumption Rates										
Distribution Date	Classes AC and AI					Class AZ				
	0%	190%	220%	250%	500%	0%	190%	220%	250%	500%
Initial Percent	100	100	100	100	100	100	100	100	100	100
May 2021	98	94	94	94	94	103	103	95	88	24
May 2022	96	83	83	83	74	106	106	83	61	0
May 2023	94	71	71	71	51	109	109	70	31	0
May 2024	92	60	60	60	35	113	113	62	13	0
May 2025	89	50	50	50	24	116	116	58	3	0
May 2026	87	42	42	42	16	120	120	57	0	0
May 2027	84	35	35	35	11	123	121	58	0	0
May 2028	81	28	28	28	7	127	119	56	0	0
May 2029	79	23	23	23	5	131	115	53	0	0
May 2030	76	19	19	19	3	135	109	50	0	0
May 2031	73	16	16	16	2	139	101	46	0	0
May 2032	69	13	13	13	2	143	93	42	0	0
May 2033	66	10	10	10	1	148	84	37	0	0
May 2034	63	9	9	9	1	152	76	33	0	0
May 2035	59	7	7	7	0	157	68	29	0	0
May 2036	55	6	6	6	0	162	60	25	0	0
May 2037	51	4	4	4	0	166	52	22	0	0
May 2038	47	4	4	4	0	171	45	19	0	0
May 2039	43	3	3	3	0	177	38	16	0	0
May 2040	38	2	2	2	0	182	32	13	0	0
May 2041	34	2	2	2	0	188	27	11	0	0
May 2042	29	1	1	1	0	193	22	9	0	0
May 2043	23	1	1	1	0	199	18	7	0	0
May 2044	18	1	1	1	0	205	14	5	0	0
May 2045	12	0	0	0	0	212	11	4	0	0
May 2046	7	0	0	0	0	218	8	3	0	0
May 2047	0	0	0	0	0	225	5	2	0	0
May 2048	0	0	0	0	0	156	3	1	0	0
May 2049	0	0	0	0	0	80	1	0	0	0
May 2050	0	0	0	0	0	0	0	0	0	0
Weighted Average										
Life (years)	16.1	6.4	6.4	6.4	3.8	28.6	16.6	10.2	2.5	0.7

**Security Group 6
PSA Prepayment Assumption Rates**

Distribution Date	Classes G, GP, GQ, GT, GU, GV, GW and IB					Class ZG				
	0%	250%	300%	400%	600%	0%	250%	300%	400%	600%
Initial Percent	100	100	100	100	100	100	100	100	100	100
May 2021	98	93	93	93	93	104	104	99	88	66
May 2022	95	80	80	80	78	108	108	90	55	0
May 2023	93	64	64	64	50	113	113	81	21	0
May 2024	90	49	49	49	31	117	117	77	4	0
May 2025	88	37	37	37	20	122	122	77	0	0
May 2026	85	28	28	28	12	127	122	75	0	0
May 2027	82	20	20	20	8	132	116	70	0	0
May 2028	79	15	15	15	5	138	107	64	0	0
May 2029	75	11	11	11	3	143	97	56	0	0
May 2030	72	8	8	8	2	149	86	49	0	0
May 2031	68	6	6	6	1	155	75	42	0	0
May 2032	64	4	4	4	1	161	65	35	0	0
May 2033	60	3	3	3	0	168	56	29	0	0
May 2034	56	2	2	2	0	175	47	24	0	0
May 2035	51	2	2	2	0	182	40	20	0	0
May 2036	47	1	1	1	0	189	33	16	0	0
May 2037	42	1	1	1	0	197	27	13	0	0
May 2038	36	1	1	1	0	205	22	10	0	0
May 2039	31	0	0	0	0	214	18	8	0	0
May 2040	25	0	0	0	0	222	14	6	0	0
May 2041	19	0	0	0	0	231	11	5	0	0
May 2042	13	0	0	0	0	241	9	4	0	0
May 2043	6	0	0	0	0	251	7	3	0	0
May 2044	0	0	0	0	0	251	5	2	0	0
May 2045	0	0	0	0	0	215	4	1	0	0
May 2046	0	0	0	0	0	177	3	1	0	0
May 2047	0	0	0	0	0	136	2	1	0	0
May 2048	0	0	0	0	0	93	1	0	0	0
May 2049	0	0	0	0	0	48	0	0	0	0
May 2050	0	0	0	0	0	0	0	0	0	0
Weighted Average										
Life (years)	14.3	4.8	4.8	4.8	3.6	27.1	13.4	10.0	2.2	1.2

**Security Group 7
PSA Prepayment Assumption Rates**

Distribution Date	Classes IE, NA, NB, NC, ND and NE					Class IN					Class ZN				
	0%	290%	320%	350%	700%	0%	290%	320%	350%	700%	0%	290%	320%	350%	700%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
May 2021	98	85	85	85	74	98	86	85	85	69	102	102	92	79	0
May 2022	96	68	68	68	42	97	71	68	66	40	104	104	70	30	0
May 2023	94	54	54	54	24	95	57	54	51	22	106	106	57	7	0
May 2024	92	42	42	42	13	93	46	43	39	13	108	108	54	0	0
May 2025	90	33	33	33	7	91	37	34	30	7	111	109	53	0	0
May 2026	87	25	25	25	4	89	30	27	23	4	113	104	50	0	0
May 2027	85	19	19	19	2	87	24	21	18	2	115	97	46	0	0
May 2028	82	15	15	15	1	85	19	16	14	1	117	87	41	0	0
May 2029	79	11	11	11	0	82	15	13	10	0	120	77	36	0	0
May 2030	77	8	8	8	0	79	12	10	8	0	122	67	32	0	0
May 2031	73	6	6	6	0	77	10	8	6	0	125	58	27	0	0
May 2032	70	5	5	5	0	74	8	6	4	0	127	49	23	0	0
May 2033	67	3	3	3	0	71	6	4	3	0	130	41	19	0	0
May 2034	63	3	3	3	0	68	5	3	2	0	132	34	16	0	0
May 2035	59	2	2	2	0	64	3	2	2	0	135	27	13	0	0
May 2036	55	1	1	1	0	61	3	2	1	0	138	22	10	0	0
May 2037	51	1	1	1	0	57	2	1	1	0	140	17	8	0	0
May 2038	47	0	0	0	0	53	1	1	0	0	143	13	7	0	0
May 2039	42	0	0	0	0	49	1	1	0	0	146	8	3	0	0
May 2040	37	0	0	0	0	44	1	0	0	0	149	5	2	0	0
May 2041	32	0	0	0	0	40	0	0	0	0	152	4	1	0	0
May 2042	26	0	0	0	0	35	0	0	0	0	155	3	1	0	0
May 2043	21	0	0	0	0	30	0	0	0	0	158	2	1	0	0
May 2044	15	0	0	0	0	24	0	0	0	0	162	2	1	0	0
May 2045	8	0	0	0	0	18	0	0	0	0	165	1	0	0	0
May 2046	1	0	0	0	0	12	0	0	0	0	168	1	0	0	0
May 2047	0	0	0	0	0	6	0	0	0	0	88	0	0	0	0
May 2048	0	0	0	0	0	2	0	0	0	0	33	0	0	0	0
May 2049	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average															
Life (years)	16.0	4.3	4.3	4.3	2.2	17.3	4.9	4.5	4.2	2.1	27.2	12.1	7.1	1.7	0.3

Security Group 8 PSA Prepayment Assumption Rates															
Distribution Date	Class F					Class S					Class SB				
	0%	200%	400%	600%	800%	0%	200%	400%	600%	800%	0%	200%	400%	600%	800%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
May 2021	99	94	89	84	79	98	92	85	79	72	99	94	90	86	82
May 2022	97	83	71	59	48	97	80	65	52	39	97	84	72	61	51
May 2023	96	72	53	37	25	95	69	49	32	20	96	73	54	39	26
May 2024	94	62	39	23	13	93	60	36	20	10	94	63	40	24	13
May 2025	92	53	29	15	6	91	51	27	13	5	92	54	30	15	7
May 2026	91	46	22	9	3	89	44	20	8	3	91	46	22	9	3
May 2027	89	39	16	6	2	87	38	15	5	1	89	40	16	6	2
May 2028	87	34	12	4	1	85	32	11	3	1	87	34	12	4	1
May 2029	85	29	9	2	0	82	28	8	2	0	85	29	9	2	0
May 2030	83	25	6	1	0	80	24	6	1	0	83	25	7	1	0
May 2031	80	21	5	1	0	77	20	4	1	0	80	21	5	1	0
May 2032	78	18	3	1	0	74	17	3	0	0	78	18	4	1	0
May 2033	75	15	3	0	0	71	14	2	0	0	75	15	3	0	0
May 2034	72	13	2	0	0	68	12	2	0	0	72	13	2	0	0
May 2035	69	11	1	0	0	65	10	1	0	0	69	11	1	0	0
May 2036	66	9	1	0	0	62	8	1	0	0	66	9	1	0	0
May 2037	63	7	1	0	0	59	7	1	0	0	63	7	1	0	0
May 2038	60	6	0	0	0	55	6	0	0	0	60	6	1	0	0
May 2039	56	5	0	0	0	51	5	0	0	0	56	5	0	0	0
May 2040	52	4	0	0	0	47	4	0	0	0	52	4	0	0	0
May 2041	48	3	0	0	0	43	3	0	0	0	48	3	0	0	0
May 2042	44	3	0	0	0	39	2	0	0	0	44	3	0	0	0
May 2043	40	2	0	0	0	34	2	0	0	0	40	2	0	0	0
May 2044	35	2	0	0	0	29	1	0	0	0	35	2	0	0	0
May 2045	30	1	0	0	0	24	1	0	0	0	30	1	0	0	0
May 2046	24	1	0	0	0	19	1	0	0	0	24	1	0	0	0
May 2047	19	0	0	0	0	14	0	0	0	0	19	1	0	0	0
May 2048	13	0	0	0	0	8	0	0	0	0	13	0	0	0	0
May 2049	7	0	0	0	0	2	0	0	0	0	7	0	0	0	0
May 2050	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average															
Life (years)	19.0	7.1	4.1	2.9	2.3	17.9	6.8	3.9	2.7	2.0	19.0	7.2	4.2	3.0	2.4

Security Group 9 PSA Prepayment Assumption Rates					
Distribution Date	Classes FA and SA				
	0%	150%	300%	450%	600%
Initial Percent	100	100	100	100	100
May 2021	99	95	91	88	85
May 2022	97	86	77	68	59
May 2023	95	77	62	49	37
May 2024	94	69	50	35	23
May 2025	92	61	40	25	15
May 2026	90	54	32	18	9
May 2027	88	48	25	13	6
May 2028	86	42	20	9	4
May 2029	84	37	16	6	2
May 2030	81	33	13	4	1
May 2031	79	29	10	3	1
May 2032	76	25	8	2	1
May 2033	74	22	6	2	0
May 2034	71	19	5	1	0
May 2035	68	17	4	1	0
May 2036	65	14	3	1	0
May 2037	61	12	2	0	0
May 2038	58	11	2	0	0
May 2039	54	9	1	0	0
May 2040	51	7	1	0	0
May 2041	47	6	1	0	0
May 2042	42	5	1	0	0
May 2043	38	4	0	0	0
May 2044	33	3	0	0	0
May 2045	28	2	0	0	0
May 2046	23	2	0	0	0
May 2047	18	1	0	0	0
May 2048	12	1	0	0	0
May 2049	6	0	0	0	0
May 2050	0	0	0	0	0
Weighted Average					
Life (years)	18.6	8.4	5.2	3.8	2.9

Security Group 10 PSA Prepayment Assumption Rates					
Distribution Date	Classes FC and SC				
	0%	150%	300%	450%	600%
Initial Percent	100	100	100	100	100
May 2021	99	95	91	88	85
May 2022	97	86	77	68	59
May 2023	95	77	62	49	37
May 2024	94	69	50	35	23
May 2025	92	61	40	25	15
May 2026	90	54	32	18	9
May 2027	88	48	25	13	6
May 2028	86	42	20	9	4
May 2029	84	37	16	6	2
May 2030	81	33	13	4	1
May 2031	79	29	10	3	1
May 2032	76	25	8	2	1
May 2033	74	22	6	2	0
May 2034	71	19	5	1	0
May 2035	68	17	4	1	0
May 2036	65	14	3	1	0
May 2037	61	12	2	0	0
May 2038	58	11	2	0	0
May 2039	54	9	1	0	0
May 2040	51	7	1	0	0
May 2041	47	6	1	0	0
May 2042	42	5	1	0	0
May 2043	38	4	0	0	0
May 2044	33	3	0	0	0
May 2045	28	2	0	0	0
May 2046	23	2	0	0	0
May 2047	18	1	0	0	0
May 2048	12	1	0	0	0
May 2049	6	0	0	0	0
May 2050	0	0	0	0	0
Weighted Average Life (years)	18.6	8.4	5.2	3.8	2.9

Security Group 11 PSA Prepayment Assumption Rates																				
Distribution Date	Class IO					Class IS					Class NI					Class OM				
	0%	100%	250%	400%	500%	0%	100%	250%	400%	500%	0%	100%	250%	400%	500%	0%	100%	250%	400%	500%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
May 2021	97	90	78	67	60	100	100	64	22	0	98	93	85	77	71	100	100	100	100	100
May 2022	94	80	60	43	32	100	100	37	0	0	97	86	71	57	49	100	100	100	100	94
May 2023	91	71	45	24	13	100	100	18	0	0	95	79	59	43	34	100	100	100	97	91
May 2024	88	63	33	11	0	100	100	6	0	0	93	73	49	32	23	100	100	100	95	89
May 2025	85	55	22	1	0	100	100	0	0	0	91	67	41	24	16	100	100	100	91	86
May 2026	81	47	13	0	0	100	100	0	0	0	89	62	34	18	11	100	100	97	87	82
May 2027	78	41	6	0	0	100	100	0	0	0	87	57	28	13	7	100	100	93	84	77
May 2028	74	34	0	0	0	100	100	0	0	0	85	52	23	10	5	100	100	90	80	68
May 2029	70	28	0	0	0	100	100	0	0	0	82	47	19	7	3	100	100	88	77	46
May 2030	66	23	0	0	0	100	100	0	0	0	80	43	16	5	2	100	100	85	70	31
May 2031	62	18	0	0	0	100	100	0	0	0	77	39	13	4	2	100	99	84	51	21
May 2032	58	13	0	0	0	100	100	0	0	0	74	36	11	3	1	100	96	81	37	14
May 2033	53	8	0	0	0	100	100	0	0	0	71	32	9	2	1	100	94	79	27	9
May 2034	49	4	0	0	0	100	95	0	0	0	68	29	7	2	0	100	91	76	19	6
May 2035	44	0	0	0	0	100	87	0	0	0	65	26	6	1	0	100	89	71	14	4
May 2036	39	0	0	0	0	100	79	0	0	0	61	23	5	1	0	100	87	58	10	3
May 2037	33	0	0	0	0	100	71	0	0	0	58	20	4	1	0	100	86	45	7	2
May 2038	28	0	0	0	0	100	63	0	0	0	54	18	3	0	0	100	84	35	5	1
May 2039	22	0	0	0	0	100	55	0	0	0	50	15	2	0	0	96	82	27	3	1
May 2040	16	0	0	0	0	100	47	0	0	0	45	13	2	0	0	93	81	20	2	0
May 2041	10	0	0	0	0	100	40	0	0	0	41	11	1	0	0	89	78	15	1	0
May 2042	4	0	0	0	0	100	32	0	0	0	36	9	1	0	0	85	76	11	1	0
May 2043	0	0	0	0	0	100	26	0	0	0	31	7	1	0	0	81	66	7	1	0
May 2044	0	0	0	0	0	92	19	0	0	0	25	6	1	0	0	77	51	5	0	0
May 2045	0	0	0	0	0	67	13	0	0	0	20	4	0	0	0	76	32	3	0	0
May 2046	0	0	0	0	0	40	7	0	0	0	14	3	0	0	0	58	16	1	0	0
May 2047	0	0	0	0	0	12	2	0	0	0	7	1	0	0	0	21	4	0	0	0
May 2048	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
May 2049	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
May 2050	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	12.9	6.3	3.1	1.9	1.5	25.6	19.9	1.7	0.6	0.5	17.5	10.0	5.4	3.5	2.8	25.3	22.6	16.2	11.1	8.8

Security Group 11 PSA Prepayment Assumption Rates															
Distribution Date	Class PO					Class UO					Class WB				
	0%	100%	250%	400%	500%	0%	100%	250%	400%	500%	0%	100%	250%	400%	500%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
May 2021	100	100	100	100	100	100	100	100	100	68	100	100	100	100	96
May 2022	100	100	100	100	100	100	100	100	76	29	100	100	100	97	87
May 2023	100	100	100	100	100	100	100	100	62	11	100	100	100	93	83
May 2024	100	100	100	100	100	100	100	100	51	3	100	100	100	91	81
May 2025	100	100	100	100	100	100	100	100	41	0	100	100	100	87	79
May 2026	100	100	100	100	100	100	100	100	33	0	100	100	99	84	77
May 2027	100	100	100	100	100	100	100	100	26	0	100	100	97	82	75
May 2028	100	100	100	100	100	100	100	95	21	0	100	100	95	79	71
May 2029	100	100	100	100	100	100	100	82	16	0	100	100	92	77	60
May 2030	100	100	100	100	90	100	100	70	12	0	100	100	89	73	49
May 2031	100	100	100	100	71	100	100	59	10	0	100	99	86	64	37
May 2032	100	100	100	97	48	100	100	49	7	0	100	98	84	55	25
May 2033	100	100	100	83	32	100	100	41	5	0	100	97	81	45	17
May 2034	100	100	100	65	21	100	100	33	4	0	100	96	79	34	11
May 2035	100	100	100	48	14	100	100	27	3	0	100	95	76	25	7
May 2036	100	100	100	34	9	100	100	22	2	0	100	94	69	18	5
May 2037	100	99	99	24	6	100	100	18	2	0	100	93	62	13	3
May 2038	100	91	90	17	4	100	89	14	1	0	100	87	53	9	2
May 2039	100	76	75	12	2	100	77	11	1	0	98	79	43	6	1
May 2040	100	59	57	8	2	100	65	8	1	0	97	70	32	4	1
May 2041	100	45	42	5	1	100	54	6	0	0	95	62	24	3	0
May 2042	53	33	30	3	1	100	44	5	0	0	75	55	17	2	0
May 2043	48	21	21	2	0	100	34	3	0	0	71	44	12	1	0
May 2044	44	13	13	1	0	100	25	2	0	0	68	33	8	1	0
May 2045	36	8	7	1	0	81	17	1	0	0	61	21	4	0	0
May 2046	33	3	3	0	0	48	10	1	0	0	47	11	2	0	0
May 2047	5	2	2	0	0	15	3	0	0	0	14	3	1	0	0
May 2048	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
May 2049	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
May 2050	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	23.7	21.0	20.9	15.5	12.5	26.0	21.7	13.0	5.3	1.7	24.8	21.9	17.6	12.0	9.2

Security Group 12 PSA Prepayment Assumption Rates																				
Distribution Date	Class AO					Classes CI and OC					Classes CO and IC					Class EI				
	0%	100%	250%	400%	500%	0%	100%	250%	400%	500%	0%	100%	250%	400%	500%	0%	100%	250%	400%	500%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
May 2021	100	100	100	94	25	100	100	100	100	100	100	100	100	100	100	98	92	83	75	69
May 2022	100	100	93	9	0	100	100	100	100	100	100	100	100	100	100	96	85	69	56	47
May 2023	100	100	74	0	0	100	100	100	100	100	100	100	100	100	100	94	78	58	41	32
May 2024	100	100	63	0	0	100	100	100	100	100	100	100	100	100	100	92	72	48	31	22
May 2025	100	100	59	0	0	100	100	100	100	100	100	100	100	100	100	90	66	40	23	15
May 2026	100	100	51	0	0	100	100	100	100	100	100	100	100	100	100	87	60	33	17	10
May 2027	100	100	41	0	0	100	100	100	100	100	100	100	100	100	100	85	55	27	12	7
May 2028	100	100	32	0	0	100	100	100	100	100	100	100	100	100	100	82	50	22	9	5
May 2029	100	100	26	0	0	100	100	100	100	100	100	100	100	100	100	79	45	18	7	3
May 2030	100	100	20	0	0	100	100	100	100	100	100	100	100	100	70	76	41	15	5	2
May 2031	100	100	16	0	0	100	100	100	100	100	100	100	100	100	47	73	37	12	4	1
May 2032	100	100	12	0	0	100	100	100	100	100	100	100	100	79	32	70	33	10	3	1
May 2033	100	100	9	0	0	100	100	100	100	68	100	100	100	58	21	67	30	8	2	1
May 2034	100	100	7	0	0	100	100	100	100	45	100	100	100	42	14	63	27	6	1	0
May 2035	100	100	5	0	0	100	100	100	97	30	100	100	100	30	10	60	24	5	1	0
May 2036	100	100	4	0	0	100	100	100	70	20	100	100	100	22	6	56	21	4	1	0
May 2037	100	96	2	0	0	100	100	100	50	13	100	100	94	16	4	52	18	3	0	0
May 2038	100	77	1	0	0	100	100	100	36	9	100	100	75	11	3	47	16	3	0	0
May 2039	100	59	1	0	0	100	100	100	25	6	100	80	59	8	2	43	13	2	0	0
May 2040	100	41	0	0	0	100	75	75	18	4	100	64	47	6	1	38	11	1	0	0
May 2041	71	25	0	0	0	100	56	56	12	2	100	51	36	4	1	33	9	1	0	0
May 2042	54	16	0	0	0	100	41	41	8	1	100	39	28	3	0	28	7	1	0	0
May 2043	51	11	0	0	0	100	30	30	6	1	34	30	21	2	0	22	5	1	0	0
May 2044	33	7	0	0	0	100	21	21	4	1	22	22	15	1	0	17	4	0	0	0
May 2045	15	3	0	0	0	14	14	14	2	0	16	16	11	1	0	11	2	0	0	0
May 2046	1	0	0	0	0	9	9	9	1	0	11	11	7	0	0	5	1	0	0	0
May 2047	0	0	0	0	0	5	5	5	1	0	7	7	5	0	0	1	0	0	0	0
May 2048	0	0	0	0	0	2	2	2	0	0	4	4	2	0	0	0	0	0	0	0
May 2049	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0
May 2050	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	22.8	19.9	6.7	1.4	0.9	24.8	22.0	22.0	17.8	14.5	23.6	21.8	20.5	14.3	11.6	16.2	9.5	5.2	3.4	2.7

Security Group 12 PSA Prepayment Assumption Rates															
Distribution Date	Class IH					Class IT					Class WC				
	0%	100%	250%	400%	500%	0%	100%	250%	400%	500%	0%	100%	250%	400%	500%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
May 2021	98	92	84	75	70	97	89	78	66	59	100	100	100	98	74
May 2022	96	84	67	52	42	94	80	59	41	30	100	100	98	68	66
May 2023	94	76	53	34	23	91	70	44	23	11	100	100	91	66	66
May 2024	91	68	41	20	10	88	62	31	9	0	100	100	87	66	66
May 2025	89	61	31	10	4	84	54	20	0	0	100	100	86	66	66
May 2026	86	55	22	5	2	81	46	11	0	0	100	100	83	66	66
May 2027	83	48	15	3	1	77	39	4	0	0	100	100	80	66	66
May 2028	81	42	9	2	0	74	33	0	0	0	100	100	77	66	66
May 2029	78	37	6	1	0	70	27	0	0	0	100	100	74	66	66
May 2030	74	32	4	0	0	66	21	0	0	0	100	100	73	66	52
May 2031	71	27	3	0	0	61	16	0	0	0	100	100	71	66	43
May 2032	68	23	2	0	0	57	11	0	0	0	100	100	70	56	36
May 2033	64	19	1	0	0	52	6	0	0	0	100	100	69	47	24
May 2034	60	15	1	0	0	48	2	0	0	0	100	100	68	40	16
May 2035	56	11	0	0	0	43	0	0	0	0	100	100	67	35	11
May 2036	52	8	0	0	0	38	0	0	0	0	100	100	67	25	7
May 2037	47	6	0	0	0	32	0	0	0	0	100	99	64	18	5
May 2038	42	4	0	0	0	27	0	0	0	0	100	92	55	13	3
May 2039	38	3	0	0	0	21	0	0	0	0	100	77	48	9	2
May 2040	32	3	0	0	0	15	0	0	0	0	100	59	37	6	1
May 2041	27	2	0	0	0	9	0	0	0	0	90	43	28	4	1
May 2042	21	1	0	0	0	2	0	0	0	0	84	32	21	3	1
May 2043	15	1	0	0	0	0	0	0	0	0	54	23	16	2	0
May 2044	9	0	0	0	0	0	0	0	0	0	43	17	11	1	0
May 2045	4	0	0	0	0	0	0	0	0	0	15	11	8	1	0
May 2046	2	0	0	0	0	0	0	0	0	0	7	7	5	0	0
May 2047	1	0	0	0	0	0	0	0	0	0	4	4	3	0	0
May 2048	0	0	0	0	0	0	0	0	0	0	2	2	2	0	0
May 2049	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
May 2050	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average															
Life (years)	15.3	7.7	3.9	2.5	2.0	12.8	6.1	3.0	1.9	1.5	23.6	21.2	16.1	10.7	8.6

Security Group 13 PSA Prepayment Assumption Rates															
Distribution Date	Classes IQ and OQ					Class JA					Class JB				
	0%	100%	250%	400%	500%	0%	100%	250%	400%	500%	0%	100%	250%	400%	500%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
May 2021	100	100	100	100	100	98	95	91	87	84	100	100	100	100	100
May 2022	100	100	100	100	100	97	87	75	63	55	100	100	100	100	100
May 2023	100	100	100	100	100	95	78	56	38	26	100	100	100	100	100
May 2024	100	100	100	100	100	93	69	41	19	7	100	100	100	100	100
May 2025	100	100	100	100	85	91	60	28	5	0	100	100	100	100	81
May 2026	100	100	100	92	62	88	52	17	0	0	100	100	100	84	56
May 2027	100	100	100	72	42	86	45	8	0	0	100	100	100	62	38
May 2028	100	100	100	55	29	83	38	0	0	0	100	100	100	46	26
May 2029	100	100	98	40	19	81	32	0	0	0	100	100	83	34	18
May 2030	100	100	82	29	13	78	26	0	0	0	100	100	69	25	12
May 2031	100	100	69	21	9	75	20	0	0	0	100	100	57	18	8
May 2032	100	100	58	15	6	71	15	0	0	0	100	100	46	14	5
May 2033	100	100	47	11	4	68	10	0	0	0	100	100	38	10	4
May 2034	100	100	37	8	2	64	5	0	0	0	100	100	31	7	2
May 2035	100	96	29	5	2	60	1	0	0	0	100	100	25	5	2
May 2036	100	83	23	4	1	56	0	0	0	0	100	92	20	4	1
May 2037	100	70	18	3	1	52	0	0	0	0	100	82	16	3	1
May 2038	100	57	13	2	0	47	0	0	0	0	100	72	13	2	0
May 2039	100	43	10	1	0	42	0	0	0	0	100	63	10	1	0
May 2040	100	29	7	1	0	37	0	0	0	0	100	55	8	1	0
May 2041	100	17	5	0	0	32	0	0	0	0	100	47	6	1	0
May 2042	83	5	3	0	0	26	0	0	0	0	100	40	5	0	0
May 2043	53	2	2	0	0	20	0	0	0	0	100	33	4	0	0
May 2044	14	1	1	0	0	13	0	0	0	0	100	26	3	0	0
May 2045	0	0	0	0	0	6	0	0	0	0	100	21	2	0	0
May 2046	0	0	0	0	0	0	0	0	0	0	96	15	1	0	0
May 2047	0	0	0	0	0	0	0	0	0	0	74	10	1	0	0
May 2048	0	0	0	0	0	0	0	0	0	0	51	5	0	0	0
May 2049	0	0	0	0	0	0	0	0	0	0	26	1	0	0	0
May 2050	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average															
Life (years)	23.0	18.6	13.5	9.1	7.3	16.1	6.9	3.7	2.6	2.2	28.0	21.1	12.9	8.7	7.1

Security Group 13 PSA Prepayment Assumption Rates															
Distribution Date	Class JC					Class JI					Class OU				
	0%	100%	250%	400%	500%	0%	100%	250%	400%	500%	0%	100%	250%	400%	500%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
May 2021	99	96	93	90	88	99	96	93	90	88	100	100	100	100	68
May 2022	97	90	81	73	67	97	90	81	73	67	100	100	100	76	29
May 2023	96	84	68	54	46	96	84	68	54	46	100	100	100	62	11
May 2024	95	77	57	40	32	95	77	57	40	32	100	100	100	51	3
May 2025	93	71	47	30	22	93	71	47	30	22	100	100	100	41	0
May 2026	91	65	39	22	15	91	65	39	22	15	100	100	100	33	0
May 2027	90	60	33	17	10	90	60	33	17	10	100	100	100	26	0
May 2028	88	55	27	12	7	88	55	27	12	7	100	100	95	21	0
May 2029	86	50	22	9	5	86	50	22	9	5	100	100	82	16	0
May 2030	84	46	18	7	3	84	46	18	7	3	100	100	70	12	0
May 2031	81	42	15	5	2	81	42	15	5	2	100	100	59	10	0
May 2032	79	38	12	4	1	79	38	12	4	1	100	100	49	7	0
May 2033	77	34	10	3	1	77	34	10	3	1	100	100	41	5	0
May 2034	74	31	8	2	1	74	31	8	2	1	100	100	33	4	0
May 2035	71	28	7	1	0	71	28	7	1	0	100	100	27	3	0
May 2036	68	25	5	1	0	68	25	5	1	0	100	100	22	2	0
May 2037	65	22	4	1	0	65	22	4	1	0	100	100	18	2	0
May 2038	61	19	3	1	0	61	19	3	1	0	100	89	14	1	0
May 2039	58	17	3	0	0	58	17	3	0	0	100	77	11	1	0
May 2040	54	15	2	0	0	54	15	2	0	0	100	65	8	1	0
May 2041	50	13	2	0	0	50	13	2	0	0	100	54	6	0	0
May 2042	46	11	1	0	0	46	11	1	0	0	100	44	5	0	0
May 2043	41	9	1	0	0	41	9	1	0	0	100	34	3	0	0
May 2044	36	7	1	0	0	36	7	1	0	0	100	25	2	0	0
May 2045	31	5	0	0	0	31	5	0	0	0	81	17	1	0	0
May 2046	26	4	0	0	0	26	4	0	0	0	48	10	1	0	0
May 2047	20	3	0	0	0	20	3	0	0	0	15	3	0	0	0
May 2048	14	1	0	0	0	14	1	0	0	0	0	0	0	0	0
May 2049	7	0	0	0	0	7	0	0	0	0	0	0	0	0	0
May 2050	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average															
Life (years)	19.3	10.7	6.1	4.2	3.5	19.3	10.7	6.1	4.2	3.5	26.0	21.7	13.0	5.3	1.7

PSA Prepayment Assumption Rates															
Distribution Date	Classes QI and QO					Class WD					Class WI				
	0%	100%	250%	400%	500%	0%	100%	250%	400%	500%	0%	100%	250%	400%	500%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
May 2021	100	100	100	100	100	100	100	100	100	96	100	100	100	100	100
May 2022	100	100	100	100	100	100	100	100	97	91	100	100	100	100	100
May 2023	100	100	100	100	100	100	100	100	95	89	100	100	100	100	100
May 2024	100	100	100	100	100	100	100	100	94	88	100	100	100	100	100
May 2025	100	100	100	100	100	100	100	100	93	78	100	100	100	100	88
May 2026	100	100	100	100	100	100	100	100	87	64	100	100	100	94	71
May 2027	100	100	100	100	100	100	100	100	73	51	100	100	100	79	56
May 2028	100	100	100	100	100	100	100	99	62	42	100	100	100	66	46
May 2029	100	100	100	100	100	100	100	97	52	36	100	100	98	55	39
May 2030	100	100	100	100	100	100	100	85	44	32	100	100	87	46	34
May 2031	100	100	100	100	83	100	100	75	39	25	100	100	77	40	26
May 2032	100	100	95	95	56	100	100	66	34	17	100	100	67	34	18
May 2033	100	100	67	67	37	100	100	51	24	11	100	100	51	24	12
May 2034	100	100	47	47	25	100	100	39	17	8	100	100	39	17	8
May 2035	100	100	32	32	17	100	98	30	12	5	100	97	30	12	5
May 2036	100	100	22	22	11	100	89	23	8	3	100	87	23	8	3
May 2037	100	100	15	15	7	100	81	17	6	2	100	77	17	6	2
May 2038	100	98	10	10	5	100	71	13	4	1	100	67	13	4	1
May 2039	100	17	7	7	3	100	41	9	3	1	100	37	9	3	1
May 2040	100	5	5	5	2	100	28	7	2	1	100	23	7	2	1
May 2041	100	3	3	3	1	100	18	5	1	0	100	14	4	1	0
May 2042	100	2	2	2	1	89	9	3	1	0	87	4	3	1	0
May 2043	100	1	1	1	0	70	6	2	0	0	64	2	2	0	0
May 2044	100	1	1	1	0	45	4	1	0	0	35	1	1	0	0
May 2045	92	0	0	0	0	32	2	0	0	0	22	0	0	0	0
May 2046	0	0	0	0	0	6	1	0	0	0	0	0	0	0	0
May 2047	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0
May 2048	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
May 2049	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
May 2050	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average															
Life (years)	25.3	18.7	14.6	14.6	13.0	23.9	19.0	13.7	10.0	8.0	23.6	18.6	13.8	10.4	8.7

Security Group 14 PSA Prepayment Assumption Rates																				
Distribution Date	Classes DF, DS and MA					Class ES					Classes FD and SD					Class MZ				
	0%	125%	160%	215%	400%	0%	125%	160%	215%	400%	0%	125%	160%	215%	400%	0%	125%	160%	215%	400%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
May 2021	98	95	95	95	95	98	95	95	95	94	98	96	95	94	91	103	103	98	91	68
May 2022	95	87	87	87	86	96	87	87	86	83	97	89	87	84	75	106	106	91	69	0
May 2023	93	77	77	77	64	93	78	77	75	62	95	81	77	72	56	109	109	82	42	0
May 2024	90	67	67	67	48	91	69	67	66	46	93	73	68	61	41	112	112	76	23	0
May 2025	88	58	58	58	35	89	61	59	57	34	91	66	60	52	31	115	115	72	10	0
May 2026	85	51	51	51	26	86	53	51	49	25	89	59	53	44	23	118	118	70	3	0
May 2027	82	43	43	43	19	83	46	44	42	19	87	53	47	37	17	121	121	70	0	0
May 2028	79	36	36	36	14	80	40	38	35	14	85	48	41	32	12	125	124	70	0	0
May 2029	76	31	31	31	11	78	34	32	30	10	83	43	36	27	9	128	123	69	0	0
May 2030	72	26	26	26	8	74	29	27	25	7	80	38	31	23	7	132	121	67	0	0
May 2031	69	22	22	22	6	71	25	23	21	5	78	34	27	19	5	135	117	64	0	0
May 2032	65	18	18	18	4	68	22	20	18	4	75	31	24	16	4	139	111	60	0	0
May 2033	61	15	15	15	3	64	19	17	15	3	72	27	21	13	3	143	105	56	0	0
May 2034	57	13	13	13	2	61	16	14	12	2	69	24	18	11	2	147	98	51	0	0
May 2035	53	11	11	11	2	57	13	12	10	2	66	21	15	9	1	151	90	47	0	0
May 2036	49	9	9	9	1	53	11	10	8	1	63	18	13	8	1	155	83	42	0	0
May 2037	45	7	7	7	1	49	10	8	7	1	60	16	11	6	1	160	75	38	0	0
May 2038	40	6	6	6	1	45	8	7	6	1	56	14	9	5	1	164	68	33	0	0
May 2039	35	5	5	5	0	40	7	6	5	0	53	12	8	4	0	169	60	29	0	0
May 2040	30	4	4	4	0	35	6	5	4	0	49	10	7	3	0	173	53	25	0	0
May 2041	25	3	3	3	0	30	5	4	3	0	45	9	5	3	0	178	46	22	0	0
May 2042	19	2	2	2	0	25	4	3	2	0	41	7	4	2	0	183	39	18	0	0
May 2043	13	2	2	2	0	20	3	2	2	0	36	6	4	2	0	188	33	15	0	0
May 2044	7	1	1	1	0	14	2	2	1	0	32	5	3	1	0	193	27	12	0	0
May 2045	1	1	1	1	0	8	2	1	1	0	27	4	2	1	0	199	21	10	0	0
May 2046	1	1	1	1	0	7	1	1	1	0	22	3	2	1	0	164	16	7	0	0
May 2047	0	0	0	0	0	5	1	1	0	0	17	2	1	0	0	126	12	5	0	0
May 2048	0	0	0	0	0	3	1	0	0	0	12	1	1	0	0	86	7	3	0	0
May 2049	0	0	0	0	0	2	0	0	0	0	6	1	0	0	0	44	3	1	0	0
May 2050	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	14.8	7.4	7.4	7.4	4.8	15.8	8.0	7.6	7.3	4.6	18.3	9.4	8.2	6.8	4.3	27.6	19.1	13.5	2.9	1.2

Security Group 15 PSA Prepayment Assumption Rates																				
Distribution Date	Classes E and FE					Class GS					Class SE					Class SG				
	0%	200%	400%	600%	800%	0%	200%	400%	600%	800%	0%	200%	400%	600%	800%	0%	200%	400%	600%	800%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
May 2021	99	95	91	87	83	99	95	91	87	83	99	95	91	87	83	99	95	91	87	83
May 2022	97	85	74	64	54	97	85	74	64	54	97	85	74	64	54	97	85	74	64	54
May 2023	96	74	55	40	28	96	74	55	40	28	96	74	55	40	28	96	74	55	40	28
May 2024	95	64	41	25	14	95	64	41	25	14	95	64	41	25	14	95	64	41	25	14
May 2025	93	55	31	16	7	93	55	31	16	7	93	55	31	16	7	93	55	31	16	7
May 2026	91	47	23	10	4	91	47	23	10	4	91	47	23	10	4	91	47	23	10	4
May 2027	90	41	17	6	2	90	41	17	6	2	90	41	17	6	2	90	41	17	6	2
May 2028	88	35	13	4	1	88	35	13	4	1	88	35	13	4	1	88	35	13	4	1
May 2029	86	30	9	2	0	86	30	9	2	0	86	30	9	2	0	86	30	9	2	0
May 2030	84	26	7	1	0	84	26	7	1	0	84	26	7	1	0	84	26	7	1	0
May 2031	81	22	5	1	0	81	22	5	1	0	81	22	5	1	0	81	22	5	1	0
May 2032	79	19	4	1	0	79	19	4	1	0	79	19	4	1	0	79	19	4	1	0
May 2033	77	16	3	0	0	77	16	3	0	0	77	16	3	0	0	77	16	3	0	0
May 2034	74	13	2	0	0	74	13	2	0	0	74	13	2	0	0	74	13	2	0	0
May 2035	71	11	1	0	0	71	11	1	0	0	71	11	1	0	0	71	11	1	0	0
May 2036	68	9	1	0	0	68	9	1	0	0	68	9	1	0	0	68	9	1	0	0
May 2037	65	8	1	0	0	65	8	1	0	0	65	8	1	0	0	65	8	1	0	0
May 2038	61	6	1	0	0	61	6	1	0	0	61	6	1	0	0	61	6	1	0	0
May 2039	58	5	0	0	0	58	5	0	0	0	58	5	0	0	0	58	5	0	0	0
May 2040	54	4	0	0	0	54	4	0	0	0	54	4	0	0	0	54	4	0	0	0
May 2041	50	4	0	0	0	50	4	0	0	0	50	4	0	0	0	50	4	0	0	0
May 2042	46	3	0	0	0	46	3	0	0	0	46	3	0	0	0	46	3	0	0	0
May 2043	41	2	0	0	0	41	2	0	0	0	41	2	0	0	0	41	2	0	0	0
May 2044	36	2	0	0	0	36	2	0	0	0	36	2	0	0	0	36	2	0	0	0
May 2045	31	1	0	0	0	31	1	0	0	0	31	1	0	0	0	31	1	0	0	0
May 2046	26	1	0	0	0	26	1	0	0	0	26	1	0	0	0	26	1	0	0	0
May 2047	20	1	0	0	0	20	1	0	0	0	20	1	0	0	0	20	1	0	0	0
May 2048	14	0	0	0	0	14	0	0	0	0	14	0	0	0	0	14	0	0	0	0
May 2049	7	0	0	0	0	7	0	0	0	0	7	0	0	0	0	7	0	0	0	0
May 2050	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	19.3	7.3	4.3	3.1	2.4	19.3	7.3	4.3	3.1	2.4	19.3	7.3	4.3	3.1	2.4	19.3	7.3	4.3	3.1	2.4

Security Group 16
PSA Prepayment Assumption Rates

Distribution Date	Classes YA, YB, YC, YD, YE, YG, YH, YI and YJ					Class YT					Class ZY				
	0%	250%	300%	450%	600%	0%	250%	300%	450%	600%	0%	250%	300%	450%	600%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
May 2021	96	80	80	80	80	98	83	83	76	67	104	104	104	57	0
May 2022	93	61	61	61	49	95	68	68	54	42	107	107	105	17	0
May 2023	89	45	45	45	30	92	56	54	38	26	111	111	103	1	0
May 2024	85	32	32	32	19	90	45	43	27	16	115	113	103	0	0
May 2025	81	22	22	22	11	87	36	34	19	9	119	108	98	0	0
May 2026	76	16	16	16	7	84	28	27	13	6	123	96	89	0	0
May 2027	72	11	11	11	4	81	22	21	9	3	128	82	78	0	0
May 2028	67	7	7	7	2	78	17	17	6	2	132	67	67	0	0
May 2029	62	5	5	5	1	74	12	13	4	1	137	52	57	0	0
May 2030	57	3	3	3	0	71	9	10	3	0	142	38	48	0	0
May 2031	52	2	2	2	0	67	5	8	2	0	147	25	39	0	0
May 2032	47	1	1	1	0	64	3	6	1	0	152	15	32	0	0
May 2033	41	0	0	0	0	60	2	4	0	0	158	12	26	0	0
May 2034	35	0	0	0	0	56	1	3	0	0	163	8	20	0	0
May 2035	29	0	0	0	0	51	1	2	0	0	169	5	15	0	0
May 2036	23	0	0	0	0	47	0	2	0	0	175	2	10	0	0
May 2037	16	0	0	0	0	43	0	1	0	0	181	0	6	0	0
May 2038	10	0	0	0	0	38	0	1	0	0	188	0	3	0	0
May 2039	3	0	0	0	0	33	0	0	0	0	194	0	1	0	0
May 2040	0	0	0	0	0	28	0	0	0	0	175	0	0	0	0
May 2041	0	0	0	0	0	23	0	0	0	0	142	0	0	0	0
May 2042	0	0	0	0	0	17	0	0	0	0	109	0	0	0	0
May 2043	0	0	0	0	0	12	0	0	0	0	74	0	0	0	0
May 2044	0	0	0	0	0	6	0	0	0	0	39	0	0	0	0
May 2045	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0
May 2046	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
May 2047	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
May 2048	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
May 2049	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
May 2050	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average															
Life (years)	10.9	3.4	3.4	3.4	2.5	14.4	4.4	4.5	3.0	2.2	22.3	9.0	10.0	1.3	0.6

Security Group 17
PSA Prepayment Assumption Rates

Distribution Date	Classes AL, PF and PS					Class FM					Class JS					Class KS				
	0%	175%	205%	245%	500%	0%	175%	205%	245%	500%	0%	175%	205%	245%	500%	0%	175%	205%	245%	500%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
May 2021	98	95	95	95	95	98	95	95	94	90	98	95	95	94	90	98	95	95	94	90
May 2022	96	85	85	85	78	97	86	85	83	70	97	86	85	83	71	97	86	85	83	70
May 2023	94	73	73	73	54	95	76	73	69	48	95	75	73	70	49	95	76	73	69	48
May 2024	92	62	62	62	37	93	66	63	58	33	93	66	63	58	33	93	66	63	58	33
May 2025	90	53	53	53	25	91	58	54	48	22	91	57	53	49	23	91	58	54	48	22
May 2026	88	44	44	44	17	89	51	46	40	15	89	50	46	41	16	89	51	46	40	15
May 2027	85	37	37	37	12	87	44	39	33	10	87	43	39	34	11	87	44	39	33	10
May 2028	83	31	31	31	8	85	38	33	27	7	85	37	33	28	7	85	38	33	27	7
May 2029	80	25	25	25	5	83	33	28	23	5	82	32	28	23	5	83	33	28	23	5
May 2030	78	21	21	21	4	80	29	24	19	3	80	28	23	19	3	80	29	24	19	3
May 2031	75	17	17	17	2	78	25	20	15	2	77	24	20	16	2	78	25	20	15	2
May 2032	72	14	14	14	2	75	21	17	13	1	74	20	17	13	2	75	21	17	13	1
May 2033	69	12	12	12	1	72	18	14	10	1	72	17	14	10	1	72	18	14	10	1
May 2034	66	9	9	9	1	69	16	12	8	1	69	15	12	9	1	69	16	12	8	1
May 2035	62	8	8	8	0	66	13	10	7	0	66	12	10	7	0	66	13	10	7	0
May 2036	59	6	6	6	0	63	11	8	6	0	62	11	8	6	0	63	11	8	6	0
May 2037	55	5	5	5	0	60	10	7	4	0	59	9	7	5	0	60	10	7	4	0
May 2038	51	4	4	4	0	56	8	6	4	0	56	7	5	4	0	56	8	6	4	0
May 2039	47	3	3	3	0	53	7	5	3	0	52	6	4	3	0	53	7	5	3	0
May 2040	43	2	2	2	0	49	5	4	2	0	48	5	4	2	0	49	5	4	2	0
May 2041	38	2	2	2	0	45	4	3	2	0	44	4	3	2	0	45	4	3	2	0
May 2042	34	1	1	1	0	41	4	2	1	0	40	3	2	1	0	41	4	2	1	0
May 2043	29	1	1	1	0	36	3	2	1	0	35	3	2	1	0	36	3	2	1	0
May 2044	24	1	1	1	0	32	2	1	1	0	31	2	1	1	0	32	2	1	1	0
May 2045	18	1	1	1	0	27	2	1	1	0	26	2	1	1	0	27	2	1	1	0
May 2046	13	0	0	0	0	22	1	1	0	0	21	1	1	0	0	22	1	1	0	0
May 2047	7	0	0	0	0	17	1	0	0	0	16	1	0	0	0	17	1	0	0	0
May 2048	1	0	0	0	0	12	0	0	0	0	10	0	0	0	0	12	0	0	0	0
May 2049	0	0	0	0	0	6	0	0	0	0	5	0	0	0	0	6	0	0	0	0
May 2050	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average																				
Life (years)	17.0	6.7	6.7	6.7	3.9	18.3	7.8	7.0	6.2	3.6	18.1	7.6	7.0	6.3	3.7	18.3	7.8	7.0	6.2	3.6

Security Group 17 PSA Prepayment Assumption Rates																				
Distribution Date	Class L					Classes LA and LI					Class LZ					Class QU				
	0%	175%	205%	245%	500%	0%	175%	205%	245%	500%	0%	175%	205%	245%	500%	0%	175%	205%	245%	500%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
May 2021	98	95	95	95	95	98	95	95	95	95	102	102	102	102	102	100	100	95	89	50
May 2022	96	85	85	85	78	96	85	85	85	78	104	104	104	104	0	100	100	85	66	0
May 2023	94	73	73	73	54	94	73	73	73	54	106	106	106	106	0	100	100	74	39	0
May 2024	92	62	62	62	37	92	62	62	62	37	108	108	108	108	0	100	100	65	21	0
May 2025	90	53	53	53	25	90	53	53	53	25	111	111	111	111	0	100	100	59	9	0
May 2026	88	44	44	44	17	88	44	44	44	17	113	113	113	113	0	100	100	56	2	0
May 2027	85	37	37	37	12	85	37	37	37	12	115	115	115	115	0	100	100	54	0	0
May 2028	83	31	31	31	8	83	31	31	31	8	117	117	117	117	0	100	99	53	0	0
May 2029	80	25	25	25	5	80	25	25	25	5	120	120	120	120	0	100	96	51	0	0
May 2030	78	21	21	21	4	78	21	21	21	4	122	122	122	122	0	100	92	48	0	0
May 2031	75	17	17	17	2	75	17	17	17	2	125	125	125	125	0	100	86	45	0	0
May 2032	72	14	14	14	2	72	14	14	14	2	127	127	127	127	0	100	80	41	0	0
May 2033	69	12	12	12	1	69	12	12	12	1	130	130	130	130	0	100	73	37	0	0
May 2034	66	9	9	9	1	66	9	9	9	1	132	132	132	132	0	100	66	33	0	0
May 2035	62	8	8	8	0	62	8	8	8	0	135	135	135	135	0	100	60	30	0	0
May 2036	59	6	6	6	0	59	6	6	6	0	138	138	138	138	0	100	53	26	0	0
May 2037	55	5	5	5	0	55	5	5	5	0	140	140	140	140	0	100	47	23	0	0
May 2038	51	4	4	4	0	51	4	4	4	0	143	143	143	143	0	100	41	19	0	0
May 2039	47	3	3	3	0	47	3	3	3	0	146	146	146	146	0	100	35	17	0	0
May 2040	43	2	2	2	0	43	2	2	2	0	149	149	149	149	0	100	30	14	0	0
May 2041	38	2	2	2	0	38	2	2	2	0	152	152	152	152	0	100	25	12	0	0
May 2042	34	1	1	1	0	34	1	1	1	0	155	155	155	155	0	100	21	10	0	0
May 2043	29	1	1	1	0	29	1	1	1	0	158	158	158	158	0	100	17	8	0	0
May 2044	24	1	1	1	0	24	1	1	1	0	162	162	162	162	0	100	14	6	0	0
May 2045	18	1	1	1	0	18	1	1	1	0	165	165	165	165	0	100	10	5	0	0
May 2046	13	0	0	0	0	13	0	0	0	0	168	168	168	168	0	100	8	3	0	0
May 2047	7	0	0	0	0	7	0	0	0	0	172	172	172	172	0	100	5	2	0	0
May 2048	1	0	0	0	0	1	0	0	0	0	175	175	175	175	0	100	3	1	0	0
May 2049	0	0	0	0	0	0	0	0	0	0	179	179	179	179	0	54	1	0	0	0
May 2050	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average																				
Life (years)	17.0	6.7	6.7	6.7	3.9	17.0	6.7	6.7	6.7	3.9	30.0	29.7	29.7	7.2	1.6	29.1	17.2	10.2	2.8	1.0

PSA Prepayment Assumption Rates															
Distribution Date	Class SH					Class SJ					Class SK				
	0%	175%	205%	245%	500%	0%	175%	205%	245%	500%	0%	175%	205%	245%	500%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
May 2021	98	95	95	94	90	98	95	95	94	90	98	95	95	94	90
May 2022	97	86	85	83	70	97	86	85	83	70	97	86	85	83	70
May 2023	95	76	73	69	48	95	76	73	69	48	95	76	73	69	48
May 2024	93	66	63	58	33	93	66	63	58	33	93	66	63	58	33
May 2025	91	58	54	48	22	91	58	54	48	22	91	58	54	48	22
May 2026	89	51	46	40	15	89	51	46	40	15	89	51	46	40	15
May 2027	87	44	39	33	10	87	44	39	33	10	87	44	39	33	10
May 2028	85	38	33	27	7	85	38	33	27	7	85	38	33	27	7
May 2029	83	33	28	23	5	83	33	28	23	5	83	33	28	23	5
May 2030	80	29	24	19	3	80	29	24	19	3	80	29	24	19	3
May 2031	78	25	20	15	2	78	25	20	15	2	78	25	20	15	2
May 2032	75	21	17	13	1	75	21	17	13	1	75	21	17	13	1
May 2033	72	18	14	10	1	72	18	14	10	1	72	18	14	10	1
May 2034	69	16	12	8	1	69	16	12	8	1	69	16	12	8	1
May 2035	66	13	10	7	0	66	13	10	7	0	66	13	10	7	0
May 2036	63	11	8	6	0	63	11	8	6	0	63	11	8	6	0
May 2037	60	10	7	4	0	60	10	7	4	0	60	10	7	4	0
May 2038	56	8	6	4	0	56	8	6	4	0	56	8	6	4	0
May 2039	53	7	5	3	0	53	7	5	3	0	53	7	5	3	0
May 2040	49	5	4	2	0	49	5	4	2	0	49	5	4	2	0
May 2041	45	4	3	2	0	45	4	3	2	0	45	4	3	2	0
May 2042	41	4	2	1	0	41	4	2	1	0	41	4	2	1	0
May 2043	36	3	2	1	0	36	3	2	1	0	36	3	2	1	0
May 2044	32	2	1	1	0	32	2	1	1	0	32	2	1	1	0
May 2045	27	2	1	1	0	27	2	1	1	0	27	2	1	1	0
May 2046	22	1	1	0	0	22	1	1	0	0	22	1	1	0	0
May 2047	17	1	0	0	0	17	1	0	0	0	17	1	0	0	0
May 2048	12	0	0	0	0	12	0	0	0	0	12	0	0	0	0
May 2049	6	0	0	0	0	6	0	0	0	0	6	0	0	0	0
May 2050	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average															
Life (years)	18.3	7.8	7.0	6.2	3.6	18.3	7.8	7.0	6.2	3.6	18.3	7.8	7.0	6.2	3.6

Security Group 17 PSA Prepayment Assumption Rates															
Distribution Date	Class UK					Class UL					Class UZ				
	0%	175%	205%	245%	500%	0%	175%	205%	245%	500%	0%	175%	205%	245%	500%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
May 2021	100	100	95	89	50	100	100	95	89	50	102	102	102	102	102
May 2022	100	100	85	66	0	100	100	85	66	0	104	104	104	104	0
May 2023	100	100	74	39	0	100	100	74	39	0	106	106	106	106	0
May 2024	100	100	65	21	0	100	100	65	21	0	108	108	108	108	0
May 2025	100	100	59	9	0	100	100	59	9	0	111	111	111	111	0
May 2026	100	100	56	2	0	100	100	56	2	0	113	113	113	113	0
May 2027	100	100	54	0	0	100	100	54	0	0	115	115	115	115	0
May 2028	100	99	53	0	0	100	99	53	0	0	117	117	117	0	0
May 2029	100	96	51	0	0	100	96	51	0	0	120	120	120	0	0
May 2030	100	92	48	0	0	100	92	48	0	0	122	122	122	0	0
May 2031	100	86	45	0	0	100	86	45	0	0	125	125	125	0	0
May 2032	100	80	41	0	0	100	80	41	0	0	127	127	127	0	0
May 2033	100	73	37	0	0	100	73	37	0	0	130	130	130	0	0
May 2034	100	66	33	0	0	100	66	33	0	0	132	132	132	0	0
May 2035	100	60	30	0	0	100	60	30	0	0	135	135	135	0	0
May 2036	100	53	26	0	0	100	53	26	0	0	138	138	138	0	0
May 2037	100	47	23	0	0	100	47	23	0	0	140	140	140	0	0
May 2038	100	41	19	0	0	100	41	19	0	0	143	143	143	0	0
May 2039	100	35	17	0	0	100	35	17	0	0	146	146	146	0	0
May 2040	100	30	14	0	0	100	30	14	0	0	149	149	149	0	0
May 2041	100	25	12	0	0	100	25	12	0	0	152	152	152	0	0
May 2042	100	21	10	0	0	100	21	10	0	0	155	155	155	0	0
May 2043	100	17	8	0	0	100	17	8	0	0	158	158	158	0	0
May 2044	100	14	6	0	0	100	14	6	0	0	162	162	162	0	0
May 2045	100	10	5	0	0	100	10	5	0	0	165	165	165	0	0
May 2046	100	8	3	0	0	100	8	3	0	0	168	168	168	0	0
May 2047	100	5	2	0	0	100	5	2	0	0	172	172	172	0	0
May 2048	100	3	1	0	0	100	3	1	0	0	175	175	175	0	0
May 2049	54	1	0	0	0	54	1	0	0	0	179	179	179	0	0
May 2050	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average															
Life (years)	29.1	17.1	10.2	2.8	1.0	29.1	17.2	10.2	2.8	1.0	30.0	29.7	29.7	7.2	1.6

Security Groups 14 and 17 PSA Prepayment Assumption Rates									
Distribution Date	Class KF								
	0%	125%	160%	175%	205%	215%	245%	400%	500%
Initial Percent	100	100	100	100	100	100	100	100	100
May 2021	98	96	95	95	95	95	94	93	92
May 2022	96	88	87	86	86	85	84	79	74
May 2023	94	79	77	76	74	74	72	59	51
May 2024	92	71	68	66	64	63	61	44	35
May 2025	90	63	59	58	55	54	51	33	24
May 2026	88	56	52	50	47	46	42	24	16
May 2027	85	50	45	43	40	39	35	18	11
May 2028	83	44	39	37	34	33	29	13	7
May 2029	80	39	34	32	29	28	24	10	5
May 2030	77	34	29	27	25	24	20	7	3
May 2031	74	30	25	23	21	20	16	5	2
May 2032	71	26	22	20	17	17	13	4	2
May 2033	68	23	18	17	15	14	11	3	1
May 2034	65	20	16	14	12	12	9	2	1
May 2035	62	17	13	12	10	10	7	1	0
May 2036	58	15	11	10	8	8	6	1	0
May 2037	54	13	10	9	7	6	5	1	0
May 2038	50	11	8	7	6	5	4	1	0
May 2039	46	9	7	6	5	4	3	0	0
May 2040	42	8	5	5	4	3	2	0	0
May 2041	38	6	4	4	3	3	2	0	0
May 2042	33	5	4	3	2	2	1	0	0
May 2043	28	4	3	2	2	2	1	0	0
May 2044	23	3	2	2	1	1	1	0	0
May 2045	18	3	2	1	1	1	1	0	0
May 2046	14	2	1	1	1	1	0	0	0
May 2047	11	1	1	1	0	0	0	0	0
May 2048	7	1	0	0	0	0	0	0	0
May 2049	4	0	0	0	0	0	0	0	0
May 2050	0	0	0	0	0	0	0	0	0
Weighted Average									
Life (years)	17.0	8.7	7.9	7.6	7.2	7.0	6.5	4.5	3.8

**Security Group 18
PSA Prepayment Assumption Rates**

Distribution Date	Classes IK, KA, KB, KC, KD and KE					Classes IM, MC, MG, MH, MJ and MK					Classes KG, KH, KI, KJ, KL, KM and MI				
	0%	175%	205%	275%	500%	0%	175%	205%	275%	500%	0%	175%	205%	275%	500%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
May 2021	98	94	94	94	94	98	94	94	94	94	98	94	94	94	94
May 2022	95	83	83	83	79	95	83	83	83	78	95	84	84	84	79
May 2023	93	71	71	71	54	93	70	70	70	52	93	71	71	71	55
May 2024	90	59	59	59	36	90	58	58	58	34	90	60	60	60	37
May 2025	87	49	49	49	24	87	47	47	47	22	88	50	50	50	26
May 2026	85	40	40	40	16	84	38	38	38	13	85	41	41	41	17
May 2027	82	32	32	32	10	81	30	30	30	7	82	33	33	33	12
May 2028	79	25	25	25	6	78	23	23	23	3	79	27	27	27	8
May 2029	75	20	20	20	3	75	18	18	18	1	76	22	22	22	5
May 2030	72	16	16	16	2	71	13	13	13	0	73	18	18	18	4
May 2031	68	12	12	12	0	67	10	10	10	0	69	14	14	14	2
May 2032	65	9	9	9	0	64	7	7	7	0	65	11	11	11	2
May 2033	61	7	7	7	0	60	4	4	4	0	62	9	9	9	1
May 2034	57	5	5	5	0	56	2	2	2	0	58	7	7	7	1
May 2035	53	4	4	4	0	51	1	1	1	0	54	6	6	6	1
May 2036	48	3	3	3	0	47	0	0	0	0	49	5	5	5	0
May 2037	44	2	2	2	0	42	0	0	0	0	45	4	4	4	0
May 2038	39	1	1	1	0	37	0	0	0	0	40	3	3	3	0
May 2039	34	0	0	0	0	32	0	0	0	0	36	2	2	2	0
May 2040	29	0	0	0	0	27	0	0	0	0	30	2	2	2	0
May 2041	24	0	0	0	0	21	0	0	0	0	25	1	1	1	0
May 2042	18	0	0	0	0	16	0	0	0	0	20	1	1	1	0
May 2043	12	0	0	0	0	9	0	0	0	0	14	1	1	1	0
May 2044	6	0	0	0	0	3	0	0	0	0	8	1	1	1	0
May 2045	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0
May 2046	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
May 2047	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
May 2048	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
May 2049	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
May 2050	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average															
Life (years)	14.7	5.8	5.8	5.8	3.8	14.3	5.5	5.5	5.5	3.6	14.9	6.2	6.2	6.2	4.0

PSA Prepayment Assumption Rates

Distribution Date	Class MD					Class ME					Class ZU				
	0%	175%	205%	275%	500%	0%	175%	205%	275%	500%	0%	175%	205%	275%	500%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
May 2021	100	100	100	100	100	100	100	100	100	100	103	103	99	89	58
May 2022	100	100	100	100	100	100	100	100	100	100	106	106	93	63	0
May 2023	100	100	100	100	100	100	100	100	100	100	109	109	86	33	0
May 2024	100	100	100	100	100	100	100	100	100	100	113	113	81	13	0
May 2025	100	100	100	100	100	100	100	100	100	100	116	116	80	3	0
May 2026	100	100	100	100	100	100	100	100	100	100	120	120	80	0	0
May 2027	100	100	100	100	100	100	100	100	100	100	123	121	81	0	0
May 2028	100	100	100	100	100	100	100	100	100	100	127	119	78	0	0
May 2029	100	100	100	100	100	100	100	100	100	100	131	115	75	0	0
May 2030	100	100	100	100	56	100	100	100	100	100	135	109	70	0	0
May 2031	100	100	100	100	14	100	100	100	100	100	139	101	64	0	0
May 2032	100	100	100	100	0	100	100	100	100	81	143	93	58	0	0
May 2033	100	100	100	100	0	100	100	100	100	54	148	84	52	0	0
May 2034	100	100	100	100	0	100	100	100	100	36	152	76	46	0	0
May 2035	100	100	100	100	0	100	100	100	100	24	157	68	41	0	0
May 2036	100	86	86	86	0	100	100	100	100	16	162	60	35	0	0
May 2037	100	52	52	52	0	100	100	100	100	11	166	52	31	0	0
May 2038	100	25	25	25	0	100	100	100	100	7	171	45	26	0	0
May 2039	100	3	3	3	0	100	100	100	100	4	177	39	22	0	0
May 2040	100	0	0	0	0	100	80	80	80	3	182	33	18	0	0
May 2041	100	0	0	0	0	100	61	61	61	2	188	27	15	0	0
May 2042	100	0	0	0	0	100	46	46	46	1	193	23	12	0	0
May 2043	100	0	0	0	0	100	34	34	34	1	199	18	10	0	0
May 2044	100	0	0	0	0	100	24	24	24	0	205	14	8	0	0
May 2045	0	0	0	0	0	82	17	17	17	0	212	11	6	0	0
May 2046	0	0	0	0	0	11	11	11	11	0	181	8	4	0	0
May 2047	0	0	0	0	0	7	7	7	7	0	139	5	3	0	0
May 2048	0	0	0	0	0	4	4	4	4	0	95	3	2	0	0
May 2049	0	0	0	0	0	1	1	1	1	0	49	1	1	0	0
May 2050	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average															
Life (years)	24.7	17.2	17.2	17.2	10.2	25.4	22.4	22.4	22.4	13.9	27.7	16.6	13.2	2.5	1.1

Yield Considerations

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

- the anticipated yield of that Class resulting from its purchase price,
- the investor's own projection of Mortgage Loan prepayment rates under a variety of scenarios,
- in the case of the Group 7, 8, 11, 12, 13 and 16 Securities, the investor's own projection of payment rates on the Underlying Certificates under a variety of scenarios and
- in the case of a Floating Rate or an Inverse Floating Rate Class or the Class WB Securities, the investor's own projection of levels of LIBOR under a variety of scenarios.

No representation is made regarding Mortgage Loan prepayment rates, Underlying Certificate payment rates, LIBOR levels or the yield of any Class.

Prepayments: Effect on Yields

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

- In the case of Regular Securities or MX Securities purchased at a premium (especially the Interest Only Classes), faster than anticipated rates of principal payments could result in actual yields to investors that are lower than the anticipated yields.
- Investors in the Interest Only Classes should also consider the risk that rapid rates of principal payments could result in the failure of investors to recover fully their investments.
- In the case of Regular Securities or MX Securities purchased at a discount (especially the Principal Only Classes), slower than anticipated rates of principal payments could result in actual yields to investors that are lower than the anticipated yields.
- Investors in an MX Class that is subject to mandatory exchange should consider that differing rates of reduction in the related REMIC Securities may ultimately cause such a Class to become a Principal Only Class or to be exchanged for the related REMIC Securities (consisting primarily or exclusively of an Interest Only Class).

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: Effect on Yields of the Floating Rate and Inverse Floating Rate Classes and the Class WB Securities

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

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

The effective yield on any Fixed Rate or Delay Class will be less than the yield otherwise produced by its Interest Rate and purchase price because, on each Distribution Date, 30 days' interest will be payable on (or added to the principal amount of) that Class even though interest began to accrue approximately 46 or 50 days earlier, as applicable.

Yield Tables

The following tables show the pre-tax yields to maturity on a corporate bond equivalent basis of specified Classes at various constant percentages of PSA and, in the case of the Inverse Floating Rate Classes and the Class WB Securities, at various constant levels of LIBOR.

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

The yields were calculated by

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

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

The information set forth in the following tables was prepared on the basis of the Modeling Assumptions and the assumptions that (1) the Interest Rate applicable to each Inverse Floating Rate Class and the Class WB Securities for each Accrual Period following the first Accrual Period will be based on the indicated level of LIBOR and (2) the purchase price of each Class (expressed as a percentage of Original Class Principal Balance or original Class Notional Balance) plus accrued interest (in the case of interest-bearing Classes) is as indicated in the related table. **The assumed purchase price is not necessarily that at which actual sales will occur.**

SECURITY GROUP 1

Sensitivity of Class IA to Prepayments Assumed Price 21.0%*

PSA Prepayment Assumption Rates				
<u>100%</u>	<u>200%</u>	<u>300%</u>	<u>304%</u>	<u>400%</u>
14.2%	7.4%	0.3%	0.0%	(7.0)%

SECURITY GROUP 2

Sensitivity of Class BI to Prepayments Assumed Price 19.5%*

PSA Prepayment Assumption Rates				
<u>100%</u>	<u>200%</u>	<u>273%</u>	<u>300%</u>	<u>400%</u>
12.0%	5.2%	0.1%	(1.9)%	(9.2)%

SECURITY GROUP 3

Sensitivity of Class DI to Prepayments Assumed Price 4.0%*

PSA Prepayment Assumption Rates				
<u>159%</u>	<u>200%</u>	<u>250%</u>	<u>400%</u>	<u>2,012%</u>
72.3%	72.3%	72.3%	68.8%	0.0%

Sensitivity of Class ID to Prepayments Assumed Price 4.5%*

PSA Prepayment Assumption Rates				
<u>159%</u>	<u>200%</u>	<u>250%</u>	<u>400%</u>	<u>1,414%</u>
58.2%	58.2%	58.2%	52.7%	0.0%

Sensitivity of Class IP to Prepayments Assumed Price 5.0%*

PSA Prepayment Assumption Rates				
<u>159%</u>	<u>200%</u>	<u>250%</u>	<u>400%</u>	<u>1,272%</u>
51.1%	51.1%	51.1%	45.5%	0.0%

SECURITY GROUP 4

Sensitivity of Class GI to Prepayments Assumed Price 12.0%*

PSA Prepayment Assumption Rates				
<u>165%</u>	<u>200%</u>	<u>250%</u>	<u>400%</u>	<u>645%</u>
24.3%	24.3%	24.3%	16.4%	0.1%

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

Sensitivity of Class IG to Prepayments
Assumed Price 11.25%*

PSA Prepayment Assumption Rates				
<u>165%</u>	<u>200%</u>	<u>250%</u>	<u>400%</u>	<u>615%</u>
30.1%	27.9%	24.7%	14.9%	0.1%

SECURITY GROUP 5

Sensitivity of Class AI to Prepayments
Assumed Price 14.0%*

PSA Prepayment Assumption Rates				
<u>190%</u>	<u>220%</u>	<u>250%</u>	<u>376%</u>	<u>500%</u>
6.6%	6.6%	6.6%	0.0%	(7.0)%

SECURITY GROUP 6

Sensitivity of Class IB to Prepayments
Assumed Price 6.0%*

PSA Prepayment Assumption Rates				
<u>250%</u>	<u>300%</u>	<u>400%</u>	<u>600%</u>	<u>1,757%</u>
56.6%	56.6%	56.6%	50.8%	0.0%

SECURITY GROUP 7

Sensitivity of Class IE to Prepayments
Assumed Price 13.0%*

PSA Prepayment Assumption Rates				
<u>290%</u>	<u>320%</u>	<u>350%</u>	<u>586%</u>	<u>700%</u>
16.8%	16.8%	16.8%	0.0%	(9.3)%

Sensitivity of Class IN to Prepayments
Assumed Price 12.0%*

PSA Prepayment Assumption Rates				
<u>290%</u>	<u>320%</u>	<u>350%</u>	<u>598%</u>	<u>700%</u>
23.0%	21.1%	19.0%	0.1%	(8.4)%

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

SECURITY GROUP 8

Sensitivity of Class S to Prepayments Assumed Price 8.0%*

<u>LIBOR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>200%</u>	<u>400%</u>	<u>600%</u>	<u>800%</u>
0.100000%	31.0%	18.4%	4.9%	(9.4)%
0.170750%	30.0%	17.3%	3.9%	(10.4)%
1.800375%	6.9%	(5.8)%	(19.4)%	(34.0)%
3.430000% and above	**	**	**	**

Sensitivity of Class SB to Prepayments Assumed Price 8.0%*

<u>LIBOR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>200%</u>	<u>400%</u>	<u>600%</u>	<u>800%</u>
0.100000%	32.7%	21.9%	10.8%	(0.8)%
0.170750%	31.6%	20.9%	9.7%	(2.0)%
1.800375%	7.9%	(3.7)%	(15.9)%	(28.8)%
3.430000% and above	**	**	**	**

SECURITY GROUP 9

Sensitivity of Class SA to Prepayments Assumed Price 9.25%*

<u>LIBOR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>150%</u>	<u>300%</u>	<u>450%</u>	<u>600%</u>
0.100000%	21.1%	12.7%	4.0%	(5.1)%
0.183630%	20.1%	11.6%	2.9%	(6.2)%
1.526815%	3.4%	(5.4)%	(14.6)%	(24.2)%
2.870000% and above	**	**	**	**

SECURITY GROUP 10

Sensitivity of Class SC to Prepayments Assumed Price 9.0%*

<u>LIBOR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>150%</u>	<u>300%</u>	<u>450%</u>	<u>600%</u>
0.100000%	21.6%	13.1%	4.4%	(4.7)%
0.30338%	19.0%	10.5%	1.7%	(7.4)%
1.56669%	2.8%	(6.0)%	(15.2)%	(24.8)%
2.830000% 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 11

Sensitivity of Class IO to Prepayments Assumed Price 4.0%*

PSA Prepayment Assumption Rates				
<u>100%</u>	<u>250%</u>	<u>400%</u>	<u>500%</u>	<u>619%</u>
83.8%	64.4%	41.2%	23.3%	0.0%

Sensitivity of Class IS to Prepayments Assumed Price 2.5%*

<u>LIBOR</u>	PSA Prepayment Assumption Rates			
	<u>100%</u>	<u>250%</u>	<u>400%</u>	<u>500%</u>
1.25% and below	94.5%	28.3%	(90.3)%	**
2.25%	44.5%	(21.7)%	**	**
3.25% and above	**	**	**	**

Sensitivity of Class NI to Prepayments Assumed Price 12.5%*

PSA Prepayment Assumption Rates				
<u>100%</u>	<u>250%</u>	<u>400%</u>	<u>500%</u>	<u>538%</u>
33.4%	22.5%	11.1%	3.1%	0.0%

Sensitivity of Class OM to Prepayments Assumed Price 80.0%

PSA Prepayment Assumption Rates			
<u>100%</u>	<u>250%</u>	<u>400%</u>	<u>500%</u>
1.0%	1.4%	2.1%	2.6%

Sensitivity of Class PO to Prepayments Assumed Price 80.0%

PSA Prepayment Assumption Rates			
<u>100%</u>	<u>250%</u>	<u>400%</u>	<u>500%</u>
1.1%	1.1%	1.4%	1.8%

Sensitivity of Class UO to Prepayments Assumed Price 83.0%

PSA Prepayment Assumption Rates			
<u>100%</u>	<u>250%</u>	<u>400%</u>	<u>500%</u>
0.9%	1.5%	3.8%	11.9%

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

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

Sensitivity of Class WB to Prepayments
Assumed Price 92.0%*

<u>LIBOR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>100%</u>	<u>250%</u>	<u>400%</u>	<u>500%</u>
1.25% and below	4.4%	1.8%	1.8%	2.0%
2.25%	3.2%	1.6%	1.7%	1.9%
3.25% and above	1.9%	1.5%	1.6%	1.9%

SECURITY GROUP 12

Sensitivity of Class AO to Prepayments
Assumed Price 82.0%

<u>PSA Prepayment Assumption Rates</u>			
<u>100%</u>	<u>250%</u>	<u>400%</u>	<u>500%</u>
1.0%	3.1%	14.4%	23.2%

Sensitivity of Class CI to Prepayments
Assumed Price 25.75%*

<u>PSA Prepayment Assumption Rates</u>				
<u>100%</u>	<u>250%</u>	<u>400%</u>	<u>500%</u>	<u>687%</u>
8.1%	8.1%	6.7%	4.9%	0.0%

Sensitivity of Class CO to Prepayments
Assumed Price 82.0%

<u>PSA Prepayment Assumption Rates</u>			
<u>100%</u>	<u>250%</u>	<u>400%</u>	<u>500%</u>
0.9%	1.0%	1.4%	1.7%

Sensitivity of Class EI to Prepayments
Assumed Price 8.5%*

<u>PSA Prepayment Assumption Rates</u>				
<u>100%</u>	<u>250%</u>	<u>400%</u>	<u>500%</u>	<u>654%</u>
47.2%	35.4%	22.9%	14.2%	0.0%

Sensitivity of Class IC to Prepayments
Assumed Price 23.75%*

<u>PSA Prepayment Assumption Rates</u>				
<u>100%</u>	<u>250%</u>	<u>400%</u>	<u>500%</u>	<u>606%</u>
9.1%	8.8%	6.0%	3.4%	0.0%

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

Sensitivity of Class IH to Prepayments
Assumed Price 9.0%*

PSA Prepayment Assumption Rates				
<u>100%</u>	<u>250%</u>	<u>400%</u>	<u>492%</u>	<u>500%</u>
42.5%	27.9%	11.1%	0.0%	(1.0)%

Sensitivity of Class IT to Prepayments
Assumed Price 4.0%*

PSA Prepayment Assumption Rates				
<u>100%</u>	<u>250%</u>	<u>400%</u>	<u>500%</u>	<u>600%</u>
83.5%	63.3%	39.0%	20.4%	0.1%

Sensitivity of Class OC to Prepayments
Assumed Price 82.0%

PSA Prepayment Assumption Rates			
<u>100%</u>	<u>250%</u>	<u>400%</u>	<u>500%</u>
0.9%	0.9%	1.1%	1.4%

Sensitivity of Class WC to Prepayments
Assumed Price 93.0%*

PSA Prepayment Assumption Rates			
<u>100%</u>	<u>250%</u>	<u>400%</u>	<u>500%</u>
2.8%	2.1%	2.3%	2.4%

SECURITY GROUP 13

Sensitivity of Class IQ to Prepayments
Assumed Price 29.5%*

PSA Prepayment Assumption Rates				
<u>100%</u>	<u>250%</u>	<u>297%</u>	<u>400%</u>	<u>500%</u>
5.2%	1.9%	0.0%	(4.8)%	(10.3)%

Sensitivity of Class JI to Prepayments
Assumed Price 4.75%*

PSA Prepayment Assumption Rates				
<u>100%</u>	<u>250%</u>	<u>400%</u>	<u>500%</u>	<u>1,923%</u>
101.8%	94.6%	87.2%	82.2%	0.3%

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

Sensitivity of Class OQ to Prepayments
Assumed Price 80.0%

PSA Prepayment Assumption Rates			
<u>100%</u>	<u>250%</u>	<u>400%</u>	<u>500%</u>
1.2%	1.7%	2.5%	3.1%

Sensitivity of Class OU to Prepayments
Assumed Price 83.0%

PSA Prepayment Assumption Rates			
<u>100%</u>	<u>250%</u>	<u>400%</u>	<u>500%</u>
0.9%	1.5%	3.8%	11.9%

Sensitivity of Class QI to Prepayments
Assumed Price 23.0%*

PSA Prepayment Assumption Rates				
<u>100%</u>	<u>250%</u>	<u>400%</u>	<u>500%</u>	<u>681%</u>
8.8%	6.7%	6.7%	5.5%	0.0%

Sensitivity of Class QO to Prepayments
Assumed Price 80.0%

PSA Prepayment Assumption Rates			
<u>100%</u>	<u>250%</u>	<u>400%</u>	<u>500%</u>
1.2%	1.5%	1.5%	1.7%

Sensitivity of Class WD to Prepayments
Assumed Price 97.0%*

PSA Prepayment Assumption Rates			
<u>100%</u>	<u>250%</u>	<u>400%</u>	<u>500%</u>
5.2%	4.2%	4.1%	4.3%

Sensitivity of Class WI to Prepayments
Assumed Price 24.5%*

PSA Prepayment Assumption Rates				
<u>100%</u>	<u>250%</u>	<u>400%</u>	<u>440%</u>	<u>500%</u>
7.8%	5.0%	1.0%	0.0%	(2.5)%

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

SECURITY GROUP 14

Sensitivity of Class DS to Prepayments Assumed Price 27.5%*

<u>LIBOR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>125%</u>	<u>160%</u>	<u>215%</u>	<u>400%</u>
0.100000%	10.5%	10.5%	10.5%	1.4%
0.183630%	10.1%	10.1%	10.1%	1.0%
3.166815%	(3.3)%	(3.3)%	(3.3)%	(13.7)%
6.150000% and above	**	**	**	**

Sensitivity of Class ES to Prepayments Assumed Price 27.5%*

<u>LIBOR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>125%</u>	<u>160%</u>	<u>215%</u>	<u>400%</u>
0.100000%	11.4%	10.8%	10.0%	0.6%
0.183630%	11.1%	10.5%	9.6%	0.2%
3.166815%	(2.1)%	(2.8)%	(3.7)%	(14.2)%
6.150000% and above	**	**	**	**

Sensitivity of Class SD to Prepayments Assumed Price 27.5%*

<u>LIBOR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>125%</u>	<u>160%</u>	<u>215%</u>	<u>400%</u>
0.100000%	13.6%	11.7%	8.8%	(1.5)%
0.183630%	13.2%	11.4%	8.4%	(1.9)%
3.166815%	0.4%	(1.6)%	(4.7)%	(15.5)%
6.150000% and above	**	**	**	**

SECURITY GROUP 15

Sensitivity of Class GS to Prepayments Assumed Price 17.0%*

<u>LIBOR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>200%</u>	<u>400%</u>	<u>600%</u>	<u>800%</u>
0.100000%	25.9%	15.2%	4.2%	(7.3)%
0.183630%	25.3%	14.6%	3.6%	(7.9)%
3.166815%	4.8%	(6.7)%	(18.8)%	(31.7)%
6.150000% and above	**	**	**	**

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

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

Sensitivity of Class SE to Prepayments
Assumed Price 17.0%*

<u>LIBOR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>200%</u>	<u>400%</u>	<u>600%</u>	<u>800%</u>
0.100000%	25.9%	15.2%	4.2%	(7.3)%
0.183630%	25.3%	14.6%	3.6%	(7.9)%
3.166815%	4.8%	(6.7)%	(18.8)%	(31.7)%
6.150000% and above	**	**	**	**

Sensitivity of Class SG to Prepayments
Assumed Price 17.0%*

<u>LIBOR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>200%</u>	<u>400%</u>	<u>600%</u>	<u>800%</u>
0.100000%	25.9%	15.2%	4.2%	(7.3)%
0.183630%	25.3%	14.6%	3.6%	(7.9)%
3.166815%	4.8%	(6.7)%	(18.8)%	(31.7)%
6.150000% and above	**	**	**	**

SECURITY GROUP 16

Sensitivity of Class YI to Prepayments
Assumed Price 5.75%*

<u>PSA Prepayment Assumption Rates</u>				
<u>250%</u>	<u>300%</u>	<u>450%</u>	<u>600%</u>	<u>828%</u>
34.6%	34.6%	34.6%	23.7%	0.1%

SECURITY GROUP 17

Sensitivity of Class JS to Prepayments
Assumed Price 25.5%*

<u>LIBOR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>175%</u>	<u>205%</u>	<u>245%</u>	<u>500%</u>
0.100000%	12.6%	11.2%	9.4%	(4.6)%
0.183630%	12.3%	10.8%	9.0%	(5.0)%
3.166815%	(1.7)%	(3.2)%	(5.1)%	(20.2)%
6.150000% and above	**	**	**	**

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

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

Sensitivity of Class KS to Prepayments
Assumed Price 25.5%*

<u>LIBOR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>175%</u>	<u>205%</u>	<u>245%</u>	<u>500%</u>
0.100000%	12.9%	11.3%	9.2%	(5.0)%
0.183630%	12.6%	10.9%	8.8%	(5.4)%
3.166815%	(1.3)%	(3.0)%	(5.3)%	(20.4)%
6.150000% and above	**	**	**	**

Sensitivity of Class LI to Prepayments
Assumed Price 14.5%*

<u>PSA Prepayment Assumption Rates</u>				
<u>175%</u>	<u>205%</u>	<u>245%</u>	<u>379%</u>	<u>500%</u>
6.7%	6.7%	6.7%	0.0%	(6.7)%

Sensitivity of Class PS to Prepayments
Assumed Price 25.0%*

<u>LIBOR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>175%</u>	<u>205%</u>	<u>245%</u>	<u>500%</u>
0.100000%	11.2%	11.2%	11.2%	(1.6)%
0.183630%	10.8%	10.8%	10.8%	(2.1)%
3.166815%	(3.9)%	(3.9)%	(3.9)%	(18.4)%
6.150000% and above	**	**	**	**

Sensitivity of Class SH to Prepayments
Assumed Price 25.5%*

<u>LIBOR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>175%</u>	<u>205%</u>	<u>245%</u>	<u>500%</u>
0.100000%	12.9%	11.3%	9.2%	(5.0)%
0.183630%	12.6%	10.9%	8.8%	(5.4)%
3.166815%	(1.3)%	(3.0)%	(5.3)%	(20.4)%
6.150000% and above	**	**	**	**

Sensitivity of Class SJ to Prepayments
Assumed Price 25.5%*

<u>LIBOR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>175%</u>	<u>205%</u>	<u>245%</u>	<u>500%</u>
0.100000%	12.9%	11.3%	9.2%	(5.0)%
0.183630%	12.6%	10.9%	8.8%	(5.4)%
3.166815%	(1.3)%	(3.0)%	(5.3)%	(20.4)%
6.150000% and above	**	**	**	**

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

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

Sensitivity of Class SK to Prepayments
Assumed Price 25.5%*

LIBOR	PSA Prepayment Assumption Rates			
	175%	205%	245%	500%
0.100000%	12.9%	11.3%	9.2%	(5.0)%
0.183630%	12.6%	10.9%	8.8%	(5.4)%
3.166815%	(1.3)%	(3.0)%	(5.3)%	(20.4)%
6.150000% and above	**	**	**	**

SECURITY GROUP 18

Sensitivity of Class IK to Prepayments
Assumed Price 9.5%*

PSA Prepayment Assumption Rates				
175%	205%	275%	500%	610%
17.7%	17.7%	17.7%	6.4%	0.0%

Sensitivity of Class IM to Prepayments
Assumed Price 8.75%*

PSA Prepayment Assumption Rates				
175%	205%	275%	500%	636%
20.1%	20.1%	20.1%	8.3%	0.0%

Sensitivity of Class KI to Prepayments
Assumed Price 10.0%*

PSA Prepayment Assumption Rates				
175%	205%	275%	500%	611%
16.4%	16.4%	16.4%	5.9%	0.0%

Sensitivity of Class MI to Prepayments
Assumed Price 10.0%*

PSA Prepayment Assumption Rates				
175%	205%	275%	500%	611%
16.4%	16.4%	16.4%	5.9%	0.0%

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

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

CERTAIN UNITED STATES FEDERAL INCOME TAX CONSEQUENCES

The following tax discussion, when read in conjunction with the discussion of “Certain United States Federal Income Tax Consequences” in the Base Offering Circular, describes the material United States federal income tax considerations for investors in the Securities. However, these two tax

discussions do not purport to deal with all United States federal tax consequences applicable to all categories of investors, some of which may be subject to special rules.

REMIC Elections

In the opinion of Cleary Gottlieb Steen & Hamilton LLP, the Trust will constitute a Double REMIC Series for United States federal income tax purposes. Separate REMIC elections will be made for the Pooling REMIC and the Issuing REMIC.

Regular Securities

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

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

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

<u>Group(s)</u>	<u>PSA</u>
1, 2, 3 and 4	200%
5	220%
6, 9, 10 and 16	300%
7	320%
8 and 15	400%
11, 12 and 13	250%
14	160%
17 and 18	205%

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 at any time after the date of this Supplement. See *“Certain United States Federal Income Tax Consequences” in the Base Offering Circular.*

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

Residual Securities

The Class RR Securities will represent the beneficial ownership of the Residual Interest in the Pooling REMIC and the beneficial ownership of the Residual Interest in the Issuing REMIC. The Residual

Securities, *i.e.*, the Class 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 Trust REMICs, and these requirements will continue until there are no outstanding regular interests in the respective Trust REMICs. Thus, Residual Holders will have taxable income attributable to the Residual Securities even though they will not receive principal or interest distributions with respect to the Residual Securities, which could result in a negative after-tax return for the Residual Holders. Even though the Holders of the Residual Securities are not entitled to any stated principal or interest payments on the Residual Securities, the Trust REMICs may have substantial taxable income in certain periods, and offsetting tax losses may not occur until much later periods. Accordingly, the Holders of the Residual Securities may experience substantial adverse tax timing consequences. Prospective investors are urged to consult their own tax advisors and consider the after-tax effect of ownership of the Residual Securities and the suitability of the Residual Securities to their investment objectives.

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

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

MX Securities

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

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

ERISA MATTERS

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

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. Fiduciaries of any such plans should consult with their counsel before purchasing any of the Securities.

See “ERISA Considerations” in the Base Offering Circular.

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

LEGAL INVESTMENT CONSIDERATIONS

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

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

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

PLAN OF DISTRIBUTION

Subject to the terms and conditions of the Sponsor Agreement, the Sponsor has agreed to purchase all of the Securities if any are sold and purchased. The Sponsor proposes to offer the Regular and MX Classes to the public from time to time for sale in negotiated transactions at varying prices to be determined at the time of sale, plus accrued interest, if any, from (1) May 1, 2020 on the Fixed Rate and Delay Classes and (2) May 20, 2020 on the Floating Rate and Inverse Floating Rate Classes. The Sponsor may effect these transactions by sales to or through certain securities dealers. These dealers may receive compensation in the form of discounts, concessions or commissions from the Sponsor and/or commissions from any purchasers for which they act as agents. Some of the Securities may be sold through dealers in relatively small sales. In the usual case, the commission charged on a relatively small sale of securities will be a higher percentage of the sales price than that charged on a large sale of securities.

INCREASE IN SIZE

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

LEGAL MATTERS

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

Available Combinations(1)

REMIC Securities			MX Securities					
Class	Original Class Principal Balance or Class Notional Balance	Related MX Class	Maximum Principal Balance or Class Notional Balance(2)	Principal Type(3)	Interest Rate	Interest Type(3)	CUSIP Number	Final Distribution Date(4)
Security Group 3								
Combination 1(5)								
PA	\$71,111,664	BE	\$75,726,567	PAC/AD	2.75%	FIX	38382FLU6	March 2048
PL	4,614,903	BG	75,726,567	PAC/AD	2.50	FIX	38382FLV4	March 2048
		BH	75,726,567	PAC/AD	2.25	FIX	38382FLW2	March 2048
		BJ	75,726,567	PAC/AD	2.00	FIX	38382FLX0	March 2048
		BK	75,726,567	PAC/AD	1.75	FIX	38382FLY8	March 2048
		BL	75,726,567	PAC/AD	1.50	FIX	38382FLZ5	March 2048
		IP	37,863,283	NTL(PAC/AD)	3.00	FIX/IO	38382FMA9	March 2048
		PB	75,726,567	PAC/AD	3.00	FIX	38382FMB7	March 2048
Combination 2(5)								
PA	\$71,111,664	BM	\$88,321,257	PAC/AD	2.75%	FIX	38382FMC5	May 2050
PL	4,614,903	BN	88,321,257	PAC/AD	2.50	FIX	38382FMD3	May 2050
PY	12,594,690	BP	88,321,257	PAC/AD	2.25	FIX	38382FME1	May 2050
		BQ	88,321,257	PAC/AD	2.00	FIX	38382FME8	May 2050
		BR	88,321,257	PAC/AD	1.75	FIX	38382FMG6	May 2050
		BT	88,321,257	PAC/AD	1.50	FIX	38382FMH4	May 2050
		DI	44,160,628	NTL(PAC/AD)	3.00	FIX/IO	38382FMJ0	May 2050
		PD	88,321,257	PAC/AD	3.00	FIX	38382FMK7	May 2050
Combination 3(5)								
PA	\$71,111,664	DB	\$71,111,664	PAC/AD	2.75%	FIX	38382FML5	May 2047
		DC	71,111,664	PAC/AD	2.50	FIX	38382FMM3	May 2047
		DE	71,111,664	PAC/AD	2.25	FIX	38382FMN1	May 2047
		DG	71,111,664	PAC/AD	2.00	FIX	38382FMP6	May 2047
		DH	71,111,664	PAC/AD	1.75	FIX	38382FMQ4	May 2047
		DJ	71,111,664	PAC/AD	1.50	FIX	38382FMR2	May 2047
		ID	35,555,832	NTL(PAC/AD)	3.00	FIX/IO	38382FMS0	May 2047

REMIC Securities			MX Securities					
Class	Original Class Principal Balance or Class Notional Balance	Related MX Class	Maximum Original Balance or Class Notional Balance(2)	Principal Type(3)	Interest Rate	Interest Type(3)	CUSIP Number	Final Distribution Date(4)
Security Group 6								
Combination 4(5)								
G	\$25,678,205	GP	\$25,678,205	PAC/AD	3.75%	FIX	38382FMT8	May 2050
		GQ	25,678,205	PAC/AD	3.50	FIX	38382FMU5	May 2050
		GT	25,678,205	PAC/AD	3.25	FIX	38382FMV3	May 2050
		GU	25,678,205	PAC/AD	3.00	FIX	38382FMW1	May 2050
		GV	25,678,205	PAC/AD	2.75	FIX	38382FMX9	May 2050
		GW	25,678,205	PAC/AD	2.50	FIX	38382FMY7	May 2050
		IB	9,629,326	NTL(PAC/AD)	4.00	FIX/IO	38382FMZ4	May 2050
Security Group 7								
Combination 5(5)								
NA	\$34,327,839	IE	\$ 6,865,567	NTL(SC/PAC/AD)	5.00%	FIX/IO	38382FNA8	April 2049
		NB	34,327,839	SC/PAC/AD	1.75	FIX	38382FNB6	April 2049
		NC	34,327,839	SC/PAC/AD	1.50	FIX	38382FNC4	April 2049
		ND	34,327,839	SC/PAC/AD	1.25	FIX	38382FND2	April 2049
		NE	34,327,839	SC/PAC/AD	1.00	FIX	38382FNE0	April 2049
Security Group 11								
Combination 6								
IO	\$ 2,884,176	WB(6)	\$ 7,752,169	SC/PT	(7)	WAC/DLY	38382FNF7	June 2049
IS	9,118,377							
NI	3,338,231							
OM	3,725,000							
PO	2,940,469							
UO	1,086,700							
Security Group 12								
Combination 7								
AO	\$ 2,381,153	WC(6)	\$ 6,913,369	SC/PT	(7)	WAC/DLY	38382FNG5	February 2050
CO	3,000,000							
EI	3,436,054							
IH	1,381,793							
IT	5,239,264							
OC	1,532,216							

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 13								
Combination 8								
IQ	\$10,651,801	WI	\$ 14,014,801	NTL(SC/PT)	2.50%	FIX/IO	38382FNNH3	August 2049
QI	3,363,000							
Combination 9								
JA	\$27,421,221	JC	\$ 37,421,221	PT	1.50%	FIX	38382FNNJ9	May 2050
JB	10,000,000							
Combination 10								
JJ	\$24,947,480	WD(6)	\$ 13,939,215	SC/PT	(7)	WAC/DLY	38382FNNK6	May 2050
OQ	8,876,501							
OU	1,699,714							
QO	3,363,000							
Security Group 14								
Combination 11								
DS	\$38,786,172	ES	\$ 53,945,766	NTL(PT/PAC/AD)	(7)	INV/IO	38382FNNL4	May 2050
SD	15,159,594							
Security Group 15								
Combination 12								
GS	\$54,185,406	SE	\$100,000,000	NTL(PT)	(7)	INV/IO	38382FNNM2	May 2050
SG	45,814,594							
Security Group 16								
Combination 13(5)								
YA	\$16,267,570	YB	\$ 16,267,570	SC/PAC/AD	3.00%	FIX	38382FNNN0	November 2049
		YC	16,267,570	SC/PAC/AD	2.50	FIX	38382FNNP5	November 2049
		YD	16,267,570	SC/PAC/AD	2.00	FIX	38382FNNQ3	November 2049
		YE	16,267,570	SC/PAC/AD	1.75	FIX	38382FNNR1	November 2049
		YG	16,267,570	SC/PAC/AD	1.50	FIX	38382FNNR9	November 2049
		YH	16,267,570	SC/PAC/AD	1.25	FIX	38382FNNI7	November 2049
		YI	11,619,692	NTL(SC/PAC/AD)	3.50	FIX/IO	38382FNU4	November 2049
		YJ	16,267,570	SC/PAC/AD	1.00	FIX	38382FNNV2	November 2049

REMIC Securities			MX Securities					
Class	Original Class Principal Balance or Class Notional Balance	Related MX Class	Maximum Original Class Principal Balance or Class Notional Balance(2)	Principal Type(3)	Interest Rate	Interest Type(3)	CUSIP Number	Final Distribution Date(4)
Combination 14								
YA	\$16,267,570	YT	\$ 19,331,690	SC/PT	3.50%	FIX	38382FNNW0	November 2049
ZY	3,064,120							
Security Group 17								
Combination 15								
AL	\$66,999,477	L	\$164,761,786	PAC	1.75%	FIX	38382FNNX8	May 2050
LA	97,762,309							
Combination 16								
KS	\$15,333,333	SJ	\$ 31,333,333	NTL(PT)	(7)	INV/IO	38382FNNY6	May 2050
SK	16,000,000							
Combination 17								
PS	\$ 3,722,193	JS	\$ 26,388,859	NTL(PT/PAC)	(7)	INV/IO	38382FNNZ3	May 2050
SH	22,666,666							
Combination 18								
UK	\$ 8,610,664	QU	\$ 20,514,022	SUP/AD	2.00%	FIX	38382FPPA6	May 2050
UL	11,903,358							
Security Groups 14 and 17								
Combination 19(8)								
DF	\$38,786,172	KF	\$111,667,958	PT/PAC/AD	(7)	FLT	38382FPPB4	May 2050
FD	15,159,594							
FM	53,999,999							
PF	3,722,193							
Security Group 18								
Combination 20(5)								
MC	\$72,593,000	IM	\$ 24,197,666	NTL(PAC/AD)	3.00%	FIX/IO	38382FPC2	September 2049
		MG	72,593,000	PAC/AD	1.75	FIX	38382FPD0	September 2049
		MH	72,593,000	PAC/AD	1.50	FIX	38382FPE8	September 2049
		MJ	72,593,000	PAC/AD	1.25	FIX	38382FPF5	September 2049
		MK	72,593,000	PAC/AD	1.00	FIX	38382FPG3	September 2049

REMIC Securities		MX Securities						
Class	Original Class Principal Balance or Class Notional Balance	Related MX Class	Maximum Original Class Principal Balance(2)	Principal Type(3)	Interest Rate	Interest Type(3)	CUSIP Number	Final Distribution Date(4)
Combination 21(5)								
MC	\$72,593,000	IK	\$24,930,666	NTL(PAC/AD)	3.00%	FIX/IO	38382FPH1	February 2050
MD	2,199,000	KA	74,792,000	PAC/AD	2.00	FIX	38382FPJ7	February 2050
		KB	74,792,000	PAC/AD	1.75	FIX	38382FPK4	February 2050
		KC	74,792,000	PAC/AD	1.50	FIX	38382FPL2	February 2050
		KD	74,792,000	PAC/AD	1.25	FIX	38382FPM0	February 2050
		KE	74,792,000	PAC/AD	1.00	FIX	38382FPN8	February 2050
Combination 22(5)								
MC	\$72,593,000	KG	\$76,380,000	PAC/AD	2.00%	FIX	38382FPP3	May 2050
MD	2,199,000	KH	76,380,000	PAC/AD	1.75	FIX	38382FPQ1	May 2050
ME	1,588,000	KI	25,460,000	NTL(PAC/AD)	3.00	FIX/IO	38382FPR9	May 2050
		KJ	76,380,000	PAC/AD	1.50	FIX	38382FPS7	May 2050
		KL	76,380,000	PAC/AD	1.25	FIX	38382FPT5	May 2050
		KM	76,380,000	PAC/AD	1.00	FIX	38382FPU2	May 2050

- (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, 2, 3, 4, 5, 13, 20, 21, and 22 various subcombinations are permitted. See "Description of the Securities — Modification and Exchange" in the Base Offering Circular for a discussion of subcombinations.
- (6) In the event that either (1) the Interest Rate of this MX Class will equal or exceed 1,200% per annum for any Accrual Period or (2) the Class Principal Balance of this MX Class will be reduced to zero on any Distribution Date, the Trustee will, prior to the close of business on the last Business Day of the calendar month immediately preceding the related Distribution Date in the first case, and prior to the related Distribution Date on which the Class Principal Balance of this MX Class would be reduced to zero in the second case, effect a mandatory exchange of this MX Class for its related REMIC Securities and, thereafter, no further exchanges of such REMIC Securities will be permitted.
- (7) The Interest Rate will be calculated as described under "Terms Sheet — Interest Rates" in this Supplement.
- (8) Derived from REMIC Classes relating to separate Groups.

Schedule II

SCHEDULED PRINCIPAL BALANCES

Distribution Date	Classes PA, PL and PY (in the aggregate)	Class GA	Class AC	Class G
Initial Balance	\$88,321,257.00	\$7,226,000.00	\$47,985,794.00	\$25,678,205.00
June 2020	88,079,771.22	7,180,467.57	47,826,547.20	25,599,956.55
July 2020	87,811,356.06	7,133,292.59	47,650,734.22	25,509,088.10
August 2020	87,516,117.11	7,084,491.92	47,458,451.03	25,405,633.37
September 2020	87,194,181.81	7,034,083.90	47,249,809.77	25,289,642.06
October 2020	86,845,699.46	6,982,088.43	47,024,938.59	25,161,179.86
November 2020	86,470,841.07	6,928,526.86	46,783,981.61	25,020,328.51
December 2020	86,069,799.30	6,873,422.02	46,527,098.76	24,867,185.65
January 2021	85,642,788.30	6,816,798.17	46,254,465.64	24,701,864.88
February 2021	85,190,043.55	6,758,680.98	45,966,273.31	24,524,495.54
March 2021	84,711,821.62	6,699,097.51	45,662,728.15	24,335,222.65
April 2021	84,208,399.98	6,638,076.15	45,344,051.54	24,134,206.69
May 2021	83,680,076.74	6,575,646.62	45,010,479.66	23,921,623.42
June 2021	83,127,170.33	6,511,839.92	44,662,263.21	23,697,663.63
July 2021	82,550,019.20	6,446,688.27	44,299,667.08	23,462,532.86
August 2021	81,948,981.48	6,380,225.13	43,922,970.00	23,216,451.09
September 2021	81,324,434.61	6,312,485.08	43,532,464.25	22,959,652.40
October 2021	80,676,774.91	6,243,503.84	43,128,455.21	22,692,384.63
November 2021	80,006,417.20	6,174,137.75	42,711,261.02	22,414,908.92
December 2021	79,313,794.30	6,104,402.10	42,281,212.10	22,127,499.32
January 2022	78,599,356.58	6,034,312.82	41,838,650.76	21,830,442.31
February 2022	77,863,571.44	5,963,886.44	41,383,930.71	21,524,036.30
March 2022	77,106,922.79	5,893,140.08	40,917,416.58	21,208,591.12
April 2022	76,329,910.51	5,822,091.40	40,439,483.42	20,884,427.50
May 2022	75,533,049.86	5,750,758.59	39,950,516.18	20,551,876.43
June 2022	74,716,870.88	5,680,071.11	39,450,909.20	20,211,278.65
July 2022	73,881,917.80	5,610,023.14	38,941,065.60	19,862,983.98
August 2022	73,028,748.38	5,540,608.92	38,421,396.79	19,507,350.67
September 2022	72,157,933.27	5,471,822.73	37,907,369.22	19,144,744.82
October 2022	71,270,055.34	5,403,658.89	37,398,922.00	18,775,539.62
November 2022	70,390,056.19	5,336,111.81	36,895,994.86	18,411,398.33
December 2022	69,517,864.86	5,269,175.89	36,398,528.20	18,052,248.57
January 2023	68,653,411.06	5,202,845.64	35,906,463.00	17,698,018.96
February 2023	67,796,625.04	5,137,115.57	35,419,740.91	17,348,639.14
March 2023	66,947,437.72	5,071,980.27	34,938,304.14	17,004,039.69
April 2023	66,105,780.56	5,007,434.37	34,462,095.54	16,664,152.18
May 2023	65,271,585.65	4,943,472.53	33,991,058.56	16,328,909.12
June 2023	64,444,785.65	4,880,089.47	33,525,137.22	15,998,243.94
July 2023	63,625,313.81	4,817,279.97	33,064,276.15	15,672,091.02
August 2023	62,813,103.94	4,755,038.84	32,608,420.55	15,350,385.64
September 2023	62,008,090.46	4,693,360.93	32,157,516.21	15,033,063.99
October 2023	61,210,208.31	4,632,241.15	31,711,509.47	14,720,063.11
November 2023	60,419,393.03	4,571,674.45	31,270,347.24	14,411,320.97
December 2023	59,635,580.70	4,511,655.82	30,833,976.99	14,106,776.34

Distribution Date	Classes PA, PL and PY (in the aggregate)	Class GA	Class AC	Class G
January 2024	\$58,858,707.94	\$4,452,180.29	\$30,402,346.75	\$13,806,368.90
February 2024	58,088,711.96	4,393,242.96	29,975,405.08	13,510,039.11
March 2024	57,325,530.46	4,334,838.94	29,553,101.09	13,217,728.31
April 2024	56,569,101.73	4,276,963.40	29,135,384.42	12,929,378.63
May 2024	55,819,364.55	4,219,611.55	28,722,205.26	12,644,932.98
June 2024	55,076,258.27	4,162,778.65	28,313,514.28	12,364,335.12
July 2024	54,339,722.73	4,106,459.99	27,909,262.72	12,087,529.53
August 2024	53,609,698.30	4,050,650.90	27,509,402.29	11,814,461.52
September 2024	52,886,125.89	3,995,346.76	27,113,885.24	11,545,077.10
October 2024	52,168,946.88	3,940,542.99	26,722,664.29	11,279,323.09
November 2024	51,458,103.20	3,886,235.05	26,335,692.70	11,017,147.00
December 2024	50,753,537.26	3,832,418.43	25,952,924.17	10,758,497.10
January 2025	50,055,191.96	3,779,088.67	25,574,312.94	10,503,322.37
February 2025	49,363,010.71	3,726,241.35	25,199,813.70	10,251,572.49
March 2025	48,676,937.41	3,673,872.09	24,829,381.61	10,003,197.85
April 2025	47,996,916.45	3,621,976.53	24,462,972.33	9,759,343.43
May 2025	47,322,892.68	3,570,550.38	24,100,541.97	9,521,337.54
June 2025	46,654,811.44	3,519,589.37	23,742,047.10	9,289,041.63
July 2025	45,992,618.55	3,469,089.26	23,387,444.75	9,062,320.34
August 2025	45,336,260.30	3,419,045.85	23,036,692.41	8,841,041.55
September 2025	44,685,683.44	3,369,455.00	22,689,748.02	8,625,076.19
October 2025	44,040,835.17	3,320,312.58	22,346,569.95	8,414,298.25
November 2025	43,401,663.16	3,271,614.52	22,007,117.01	8,208,584.68
December 2025	42,768,115.54	3,223,356.75	21,671,348.45	8,007,815.31
January 2026	42,140,140.88	3,175,535.27	21,339,223.95	7,811,872.80
February 2026	41,517,688.19	3,128,146.10	21,010,703.62	7,620,642.57
March 2026	40,900,706.94	3,081,185.30	20,685,747.97	7,434,012.74
April 2026	40,289,147.02	3,034,648.97	20,364,317.96	7,251,874.04
May 2026	39,682,958.76	2,988,533.23	20,046,374.93	7,074,119.79
June 2026	39,082,092.94	2,942,834.24	19,731,880.64	6,900,645.81
July 2026	38,486,500.73	2,897,548.20	19,421,678.13	6,731,350.37
August 2026	37,896,133.75	2,852,733.55	19,116,121.57	6,566,134.15
September 2026	37,310,944.04	2,808,576.10	18,815,143.48	6,404,900.15
October 2026	36,730,884.04	2,765,066.51	18,518,677.31	6,247,553.65
November 2026	36,155,906.61	2,722,195.55	18,226,657.47	6,094,002.17
December 2026	35,586,971.61	2,679,954.15	17,939,019.31	5,944,155.42
January 2027	35,026,565.79	2,638,333.34	17,655,699.10	5,797,925.21
February 2027	34,474,565.13	2,597,324.28	17,376,634.01	5,655,225.45
March 2027	33,930,847.36	2,556,918.26	17,101,762.11	5,515,972.06
April 2027	33,395,291.96	2,517,106.69	16,831,022.35	5,380,082.95
May 2027	32,867,780.15	2,477,881.10	16,564,354.55	5,247,477.98
June 2027	32,348,194.81	2,439,233.14	16,301,699.39	5,118,078.87
July 2027	31,836,420.51	2,401,154.57	16,042,998.40	4,991,809.21
August 2027	31,332,343.45	2,363,637.27	15,788,193.95	4,868,594.38
September 2027	30,835,851.48	2,326,673.23	15,537,229.20	4,748,361.52
October 2027	30,346,834.03	2,290,254.57	15,290,048.16	4,631,039.50
November 2027	29,865,182.10	2,254,373.49	15,046,595.61	4,516,558.86

<u>Distribution Date</u>	<u>Classes PA, PL and PY (in the aggregate)</u>	<u>Class GA</u>	<u>Class AC</u>	<u>Class G</u>
December 2027	\$29,390,788.27	\$2,219,022.31	\$14,806,817.15	\$ 4,404,851.78
January 2028	28,923,546.64	2,184,193.48	14,570,659.12	4,295,852.04
February 2028	28,463,352.82	2,149,879.53	14,338,068.65	4,189,494.98
March 2028	28,010,103.91	2,116,073.09	14,108,993.63	4,085,717.49
April 2028	27,563,698.49	2,082,766.92	13,883,382.67	3,984,457.91
May 2028	27,124,036.59	2,049,953.87	13,661,185.13	3,885,656.08
June 2028	26,691,019.65	2,017,626.87	13,442,351.10	3,789,253.24
July 2028	26,264,550.53	1,985,778.97	13,226,831.38	3,695,192.01
August 2028	25,844,533.50	1,954,403.32	13,014,577.45	3,603,416.39
September 2028	25,430,874.16	1,923,493.16	12,805,541.53	3,513,871.69
October 2028	25,023,479.49	1,893,041.82	12,599,676.48	3,426,504.51
November 2028	24,622,257.78	1,863,042.72	12,396,935.85	3,341,262.72
December 2028	24,227,118.66	1,833,489.40	12,197,273.88	3,258,095.43
January 2029	23,837,973.02	1,804,375.44	12,000,645.42	3,176,952.94
February 2029	23,454,733.05	1,775,694.57	11,807,005.99	3,097,786.74
March 2029	23,077,312.20	1,747,440.56	11,616,311.76	3,020,549.45
April 2029	22,705,625.13	1,719,607.29	11,428,519.50	2,945,194.84
May 2029	22,339,587.75	1,692,188.72	11,243,586.63	2,871,677.75
June 2029	21,979,117.18	1,665,178.90	11,061,471.15	2,799,954.10
July 2029	21,624,131.70	1,638,571.96	10,882,131.69	2,729,980.86
August 2029	21,274,550.78	1,612,362.10	10,705,527.44	2,661,716.01
September 2029	20,930,295.05	1,586,543.63	10,531,618.22	2,595,118.53
October 2029	20,591,286.27	1,561,110.92	10,360,364.38	2,530,148.38
November 2029	20,257,447.32	1,536,058.42	10,191,726.87	2,466,766.45
December 2029	19,928,702.18	1,511,380.66	10,025,667.19	2,404,934.59
January 2030	19,604,975.95	1,487,072.24	9,862,147.40	2,344,615.51
February 2030	19,286,194.77	1,463,127.86	9,701,130.09	2,285,772.86
March 2030	18,972,285.87	1,439,542.26	9,542,578.41	2,228,371.10
April 2030	18,663,177.50	1,416,310.29	9,386,456.01	2,172,375.58
May 2030	18,358,798.97	1,393,426.84	9,232,727.08	2,117,752.43
June 2030	18,059,080.57	1,370,886.89	9,081,356.34	2,064,468.63
July 2030	17,763,953.63	1,348,685.49	8,932,308.98	2,012,491.90
August 2030	17,473,350.44	1,326,817.76	8,785,550.72	1,961,790.76
September 2030	17,187,204.27	1,305,278.88	8,641,047.77	1,912,334.47
October 2030	16,905,449.35	1,284,064.10	8,498,766.82	1,864,093.01
November 2030	16,628,020.88	1,263,168.75	8,358,675.03	1,817,037.08
December 2030	16,354,854.95	1,242,588.20	8,220,740.05	1,771,138.08
January 2031	16,085,888.60	1,222,317.92	8,084,929.99	1,726,368.10
February 2031	15,821,059.76	1,202,353.41	7,951,213.42	1,682,699.88
March 2031	15,560,307.28	1,182,690.26	7,819,559.35	1,640,106.81
April 2031	15,303,570.86	1,163,324.10	7,689,937.27	1,598,562.91
May 2031	15,050,791.09	1,144,250.64	7,562,317.06	1,558,042.84
June 2031	14,801,909.40	1,125,465.64	7,436,669.08	1,518,521.85
July 2031	14,556,868.08	1,106,964.92	7,312,964.10	1,479,975.77
August 2031	14,315,610.25	1,088,744.36	7,191,173.31	1,442,381.02
September 2031	14,078,079.84	1,070,799.92	7,071,268.31	1,405,714.57
October 2031	13,844,221.59	1,053,127.57	6,953,221.12	1,369,953.97

<u>Distribution Date</u>	<u>Classes PA, PL and PY (in the aggregate)</u>	<u>Class GA</u>	<u>Class AC</u>	<u>Class G</u>
November 2031	\$13,613,981.05	\$1,035,723.37	\$ 6,837,004.17	\$ 1,335,077.27
December 2031	13,387,304.56	1,018,583.45	6,722,590.26	1,301,063.05
January 2032	13,164,139.20	1,001,703.95	6,609,952.63	1,267,890.42
February 2032	12,944,432.86	985,081.09	6,499,064.85	1,235,538.98
March 2032	12,728,134.14	968,711.16	6,389,900.92	1,203,988.80
April 2032	12,515,192.43	952,590.47	6,282,435.20	1,173,220.45
May 2032	12,305,557.81	936,715.40	6,176,642.40	1,143,214.96
June 2032	12,099,181.10	921,082.38	6,072,497.63	1,113,953.81
July 2032	11,896,013.82	905,687.89	5,969,976.33	1,085,418.91
August 2032	11,696,008.22	890,528.45	5,869,054.33	1,057,592.62
September 2032	11,499,117.22	875,600.64	5,769,707.77	1,030,457.72
October 2032	11,305,294.40	860,901.09	5,671,913.16	1,003,997.39
November 2032	11,114,494.06	846,426.48	5,575,647.35	978,195.23
December 2032	10,926,671.13	832,173.52	5,480,887.52	953,035.23
January 2033	10,741,781.20	818,138.98	5,387,611.18	928,501.74
February 2033	10,559,780.50	804,319.68	5,295,796.16	904,579.51
March 2033	10,380,625.90	790,712.46	5,205,420.63	881,253.65
April 2033	10,204,274.90	777,314.25	5,116,463.07	858,509.62
May 2033	10,030,685.60	764,121.97	5,028,902.26	836,333.25
June 2033	9,859,816.73	751,132.63	4,942,717.29	814,710.67
July 2033	9,691,627.61	738,343.25	4,857,887.57	793,628.38
August 2033	9,526,078.13	725,750.91	4,774,392.80	773,073.18
September 2033	9,363,128.79	713,352.73	4,692,212.97	753,032.21
October 2033	9,202,740.66	701,145.87	4,611,328.36	733,492.90
November 2033	9,044,875.37	689,127.51	4,531,719.56	714,442.99
December 2033	8,889,495.09	677,294.91	4,453,367.40	695,870.51
January 2034	8,736,562.58	665,645.33	4,376,253.02	677,763.77
February 2034	8,586,041.11	654,176.10	4,300,357.84	660,111.40
March 2034	8,437,894.49	642,884.56	4,225,663.53	642,902.24
April 2034	8,292,087.07	631,768.11	4,152,152.02	626,125.46
May 2034	8,148,583.70	620,824.18	4,079,805.54	609,770.46
June 2034	8,007,349.75	610,050.23	4,008,606.55	593,826.89
July 2034	7,868,351.10	599,443.77	3,938,537.76	578,284.66
August 2034	7,731,554.13	589,002.32	3,869,582.16	563,133.92
September 2034	7,596,925.69	578,723.47	3,801,722.96	548,365.07
October 2034	7,464,433.13	568,604.81	3,734,943.64	533,968.72
November 2034	7,334,044.27	558,644.00	3,669,227.89	519,935.72
December 2034	7,205,727.40	548,838.70	3,604,559.68	506,257.14
January 2035	7,079,451.29	539,186.62	3,540,923.17	492,924.27
February 2035	6,955,185.13	529,685.51	3,478,302.78	479,928.58
March 2035	6,832,898.59	520,333.12	3,416,683.16	467,261.79
April 2035	6,712,561.78	511,127.28	3,356,049.15	454,915.79
May 2035	6,594,145.22	502,065.81	3,296,385.85	442,882.69
June 2035	6,477,619.89	493,146.59	3,237,678.57	431,154.75
July 2035	6,362,957.19	484,367.50	3,179,912.81	419,724.47
August 2035	6,250,128.93	475,726.47	3,123,074.32	408,584.48
September 2035	6,139,107.34	467,221.47	3,067,149.03	397,727.63

Distribution Date	Classes PA, PL and PY (in the aggregate)	Class GA	Class AC	Class G
October 2035	\$ 6,029,865.04	\$ 458,850.48	\$ 3,012,123.08	\$ 387,146.92
November 2035	5,922,375.07	450,611.50	2,957,982.82	376,835.53
December 2035	5,816,610.86	442,502.60	2,904,714.80	366,786.79
January 2036	5,712,546.22	434,521.83	2,852,305.78	356,994.22
February 2036	5,610,155.36	426,667.30	2,800,742.67	347,451.46
March 2036	5,509,412.86	418,937.13	2,750,012.63	338,152.34
April 2036	5,410,293.65	411,329.47	2,700,102.96	329,090.81
May 2036	5,312,773.08	403,842.51	2,651,001.18	320,260.98
June 2036	5,216,826.80	396,474.44	2,602,694.97	311,657.12
July 2036	5,122,430.88	389,223.51	2,555,172.21	303,273.60
August 2036	5,029,561.68	382,087.97	2,508,420.94	295,104.97
September 2036	4,938,195.96	375,066.09	2,462,429.39	287,145.88
October 2036	4,848,310.79	368,156.19	2,417,185.96	279,391.12
November 2036	4,759,883.58	361,356.59	2,372,679.21	271,835.61
December 2036	4,672,892.09	354,665.66	2,328,897.88	264,474.39
January 2037	4,587,314.38	348,081.76	2,285,830.88	257,302.63
February 2037	4,503,128.87	341,603.30	2,243,467.26	250,315.61
March 2037	4,420,314.25	335,228.71	2,201,796.27	243,508.72
April 2037	4,338,849.57	328,956.43	2,160,807.27	236,877.46
May 2037	4,258,714.15	322,784.93	2,120,489.82	230,417.46
June 2037	4,179,887.65	316,712.70	2,080,833.62	224,124.45
July 2037	4,102,350.00	310,738.25	2,041,828.50	217,994.23
August 2037	4,026,081.45	304,860.13	2,003,464.47	212,022.76
September 2037	3,951,062.52	299,076.88	1,965,731.68	206,206.06
October 2037	3,877,274.03	293,387.09	1,928,620.41	200,540.24
November 2037	3,804,697.08	287,789.34	1,892,121.10	195,021.55
December 2037	3,733,313.06	282,282.26	1,856,224.33	189,646.28
January 2038	3,663,103.61	276,864.48	1,820,920.81	184,410.85
February 2038	3,594,050.66	271,534.67	1,786,201.41	179,311.73
March 2038	3,526,136.41	266,291.49	1,752,057.09	174,345.53
April 2038	3,459,343.31	261,133.64	1,718,478.99	169,508.88
May 2038	3,393,654.08	256,059.84	1,685,458.37	164,798.54
June 2038	3,329,051.70	251,068.82	1,652,986.60	160,211.33
July 2038	3,265,519.38	246,159.33	1,621,055.19	155,744.15
August 2038	3,203,040.59	241,330.14	1,589,655.78	151,393.98
September 2038	3,141,599.07	236,580.04	1,558,780.14	147,157.86
October 2038	3,081,178.75	231,907.83	1,528,420.14	143,032.93
November 2038	3,021,763.86	227,312.33	1,498,567.79	139,016.38
December 2038	2,963,338.80	222,792.38	1,469,215.21	135,105.47
January 2039	2,905,888.25	218,346.84	1,440,354.64	131,297.52
February 2039	2,849,397.10	213,974.58	1,411,978.43	127,589.95
March 2039	2,793,850.47	209,674.49	1,384,079.06	123,980.20
April 2039	2,739,233.68	205,445.47	1,356,649.10	120,465.80
May 2039	2,685,532.29	201,286.45	1,329,681.25	117,044.34
June 2039	2,632,732.08	197,196.36	1,303,168.30	113,713.45
July 2039	2,580,819.02	193,174.15	1,277,103.17	110,470.84
August 2039	2,529,779.30	189,218.79	1,251,478.85	107,314.27

Distribution Date	Classes PA, PL and PY (in the aggregate)	Class GA	Class AC	Class G
September 2039	\$ 2,479,599.33	\$ 185,329.26	\$ 1,226,288.48	\$ 104,241.56
October 2039	2,430,265.68	181,504.56	1,201,525.27	101,250.56
November 2039	2,381,765.17	177,743.70	1,177,182.54	98,339.20
December 2039	2,334,084.79	174,045.71	1,153,253.71	95,505.45
January 2040	2,287,211.73	170,409.62	1,129,732.30	92,747.33
February 2040	2,241,133.36	166,834.49	1,106,611.92	90,062.92
March 2040	2,195,837.26	163,319.39	1,083,886.30	87,450.33
April 2040	2,151,311.18	159,863.40	1,061,549.22	84,907.73
May 2040	2,107,543.05	156,465.61	1,039,594.60	82,433.32
June 2040	2,064,521.00	153,125.13	1,018,016.41	80,025.37
July 2040	2,022,233.31	149,841.09	996,808.74	77,682.18
August 2040	1,980,668.47	146,612.61	975,965.75	75,402.07
September 2040	1,939,815.11	143,438.84	955,481.71	73,183.44
October 2040	1,899,662.04	140,318.94	935,350.95	71,024.71
November 2040	1,860,198.25	137,252.09	915,567.89	68,924.33
December 2040	1,821,412.87	134,237.46	896,127.06	66,880.82
January 2041	1,783,295.23	131,274.26	877,023.03	64,892.69
February 2041	1,745,834.79	128,361.68	858,250.49	62,958.54
March 2041	1,709,021.17	125,498.95	839,804.18	61,076.96
April 2041	1,672,844.17	122,685.30	821,678.95	59,246.60
May 2041	1,637,293.70	119,919.96	803,869.69	57,466.15
June 2041	1,602,359.87	117,202.20	786,371.40	55,734.30
July 2041	1,568,032.91	114,531.27	769,179.14	54,049.80
August 2041	1,534,303.21	111,906.45	752,288.05	52,411.42
September 2041	1,501,161.28	109,327.02	735,693.33	50,817.98
October 2041	1,468,597.81	106,792.28	719,390.27	49,268.30
November 2041	1,436,603.61	104,301.54	703,374.22	47,761.25
December 2041	1,405,169.62	101,854.11	687,640.61	46,295.72
January 2042	1,374,286.93	99,449.31	672,184.93	44,870.64
February 2042	1,343,946.76	97,086.49	657,002.74	43,484.94
March 2042	1,314,140.47	94,764.98	642,089.66	42,137.60
April 2042	1,284,859.55	92,484.15	627,441.39	40,827.63
May 2042	1,256,095.59	90,243.36	613,053.70	39,554.04
June 2042	1,227,840.36	88,041.98	598,922.40	38,315.89
July 2042	1,200,085.70	85,879.40	585,043.38	37,112.24
August 2042	1,172,823.60	83,755.00	571,412.59	35,942.20
September 2042	1,146,046.19	81,668.20	558,026.04	34,804.89
October 2042	1,119,745.68	79,618.40	544,879.80	33,699.44
November 2042	1,093,914.42	77,605.02	531,970.01	32,625.02
December 2042	1,068,544.88	75,627.48	519,292.84	31,580.80
January 2043	1,043,629.63	73,685.23	506,844.56	30,566.01
February 2043	1,019,161.36	71,777.71	494,621.46	29,579.86
March 2043	995,132.88	69,904.37	482,619.90	28,621.60
April 2043	971,537.09	68,064.67	470,836.31	27,690.48
May 2043	948,367.01	66,258.08	459,267.15	26,785.80
June 2043	925,615.77	64,484.08	447,908.94	25,906.85
July 2043	903,276.59	62,742.15	436,758.27	25,052.95

Distribution Date	Classes PA, PL and PY (in the aggregate)	Class GA	Class AC	Class G
August 2043	\$ 881,342.81	\$ 61,031.79	\$ 425,811.76	\$ 24,223.44
September 2043	859,807.86	59,352.49	415,066.10	23,417.66
October 2043	838,665.28	57,703.76	404,518.01	22,634.99
November 2043	817,908.70	56,085.11	394,164.28	21,874.82
December 2043	797,531.84	54,496.07	384,001.74	21,136.54
January 2044	777,528.54	52,936.17	374,027.27	20,419.57
February 2044	757,892.72	51,404.94	364,237.79	19,723.33
March 2044	738,618.37	49,901.92	354,630.29	19,047.29
April 2044	719,699.63	48,426.67	345,201.77	18,390.88
May 2044	701,130.66	46,978.73	335,949.32	17,753.60
June 2044	682,905.77	45,557.68	326,870.03	17,134.92
July 2044	665,019.32	44,163.08	317,961.07	16,534.34
August 2044	647,465.77	42,794.51	309,219.63	15,951.38
September 2044	630,239.66	41,451.55	300,642.96	15,385.56
October 2044	613,335.62	40,133.78	292,228.35	14,836.43
November 2044	596,748.36	38,840.81	283,973.11	14,303.52
December 2044	580,472.66	37,572.24	275,874.62	13,786.40
January 2045	564,503.41	36,327.66	267,930.28	13,284.64
February 2045	548,835.54	35,106.70	260,137.55	12,797.83
March 2045	533,464.09	33,908.97	252,493.91	12,325.55
April 2045	518,384.16	32,734.09	244,996.88	11,867.42
May 2045	503,590.93	31,581.70	237,644.05	11,423.05
June 2045	489,079.65	30,451.43	230,432.99	10,992.06
July 2045	474,845.66	29,342.92	223,361.36	10,574.08
August 2045	460,884.34	28,255.82	216,426.84	10,168.77
September 2045	447,191.17	27,189.77	209,627.13	9,775.76
October 2045	433,761.70	26,144.45	202,959.97	9,394.74
November 2045	420,591.52	25,119.50	196,423.17	9,025.36
December 2045	407,676.33	24,261.98	190,014.52	8,667.30
January 2046	395,011.85	23,420.83	183,731.88	8,320.26
February 2046	382,593.91	22,595.78	177,573.14	7,983.92
March 2046	370,418.38	21,786.57	171,536.22	7,658.00
April 2046	358,481.20	20,992.94	165,619.05	7,342.20
May 2046	346,778.37	20,214.65	159,819.63	7,036.25
June 2046	335,305.95	19,451.43	154,135.97	6,739.86
July 2046	324,060.08	18,703.05	148,566.11	6,452.77
August 2046	313,036.93	17,969.25	143,108.12	6,174.73
September 2046	302,232.77	17,249.82	137,760.11	5,905.47
October 2046	291,643.88	16,544.50	132,520.22	5,644.76
November 2046	281,266.63	15,853.06	127,386.61	5,392.36
December 2046	271,097.44	15,175.29	122,357.46	5,148.02
January 2047	261,132.79	14,510.95	117,431.01	4,911.53
February 2047	251,369.20	13,859.83	112,605.49	4,682.66
March 2047	241,803.26	13,221.70	107,879.19	4,461.20
April 2047	232,431.61	12,596.36	103,250.41	4,246.93
May 2047	223,250.93	11,983.58	98,717.47	4,039.65
June 2047	214,257.98	11,383.17	94,278.74	3,839.17

Distribution Date	Classes PA, PL and PY (in the aggregate)	Class GA	Class AC	Class G
July 2047	\$ 205,449.54	\$ 10,794.92	\$ 89,932.59	\$ 3,645.29
August 2047	196,822.46	10,218.62	85,677.43	3,457.82
September 2047	188,373.63	9,654.08	81,511.69	3,276.58
October 2047	180,099.99	9,101.11	77,433.84	3,101.39
November 2047	171,998.54	8,559.50	73,442.35	2,932.08
December 2047	164,066.30	8,029.07	69,535.72	2,768.47
January 2048	156,300.38	7,509.64	65,712.49	2,610.41
February 2048	148,697.89	7,001.02	61,971.21	2,457.72
March 2048	141,256.01	6,503.03	58,310.45	2,310.27
April 2048	133,971.97	6,015.48	54,728.82	2,167.88
May 2048	126,843.02	5,538.22	51,224.92	2,030.43
June 2048	119,866.48	5,071.05	47,797.41	1,897.76
July 2048	113,039.70	4,613.82	44,444.94	1,769.73
August 2048	106,360.07	4,166.35	41,166.21	1,646.20
September 2048	99,825.01	3,728.48	37,959.91	1,527.06
October 2048	93,432.02	3,300.04	34,824.77	1,412.15
November 2048	87,178.59	2,880.88	31,759.55	1,301.37
December 2048	81,062.29	2,470.85	28,763.00	1,194.59
January 2049	75,080.71	2,069.77	25,833.91	1,091.69
February 2049	69,231.48	1,677.51	22,971.09	992.55
March 2049	63,512.27	1,460.30	20,173.36	897.06
April 2049	57,920.78	1,247.82	17,439.56	805.11
May 2049	52,454.76	1,039.98	14,768.57	716.60
June 2049	47,111.99	836.71	12,159.25	631.43
July 2049	41,890.29	637.92	9,610.51	549.48
August 2049	36,787.49	443.54	7,121.26	470.67
September 2049	31,801.49	253.50	4,690.43	394.90
October 2049	26,930.21	67.71	2,316.98	322.08
November 2049	22,171.59	0.00	0.00	252.11
December 2049	17,523.62	0.00	0.00	184.91
January 2050	12,984.32	0.00	0.00	120.40
February 2050	8,551.73	0.00	0.00	58.48
March 2050	4,223.94	0.00	0.00	0.00
April 2050 and thereafter	0.00	0.00	0.00	0.00

<u>Distribution Date</u>	<u>Class NA</u>	<u>Classes DF and MA (in the aggregate)</u>	<u>Class YA</u>
Initial Balance	\$34,327,839.00	\$184,234,317.00	\$16,267,570.00
June 2020	33,972,499.91	183,699,061.63	15,987,416.63
July 2020	33,602,394.15	183,118,784.06	15,701,980.02
August 2020	33,217,883.50	182,493,696.09	15,418,651.41
September 2020	32,819,347.99	181,824,038.38	15,137,412.40
October 2020	32,407,185.24	181,110,080.39	14,858,244.70
November 2020	31,981,809.74	180,352,120.18	14,581,130.20
December 2020	31,543,652.18	179,550,484.23	14,306,050.92
January 2021	31,093,158.59	178,705,527.21	14,032,989.01
February 2021	30,630,789.60	177,817,631.74	13,761,926.78
March 2021	30,157,019.58	176,887,208.06	13,492,846.67
April 2021	29,672,664.33	175,914,693.78	13,225,731.27
May 2021	29,178,207.87	174,900,553.50	12,960,563.29
June 2021	28,674,815.26	173,845,278.40	12,697,325.59
July 2021	28,172,043.87	172,749,385.91	12,436,001.14
August 2021	27,672,729.75	171,613,419.22	12,176,573.09
September 2021	27,176,916.91	170,437,946.83	11,919,024.68
October 2021	26,687,846.70	169,223,562.06	11,663,339.33
November 2021	26,205,421.24	167,970,882.57	11,409,500.54
December 2021	25,729,544.07	166,680,549.72	11,157,491.95
January 2022	25,260,120.14	165,353,228.12	10,908,462.06
February 2022	24,797,055.82	163,989,604.94	10,662,878.42
March 2022	24,340,258.83	162,590,389.32	10,420,691.09
April 2022	23,889,638.23	161,156,311.73	10,181,850.82
May 2022	23,445,104.44	159,688,123.33	9,946,309.06
June 2022	23,006,569.17	158,186,595.19	9,714,017.94
July 2022	22,573,945.43	156,652,517.69	9,484,930.25
August 2022	22,147,147.50	155,086,699.69	9,258,999.46
September 2022	21,726,090.91	153,489,967.86	9,036,179.68
October 2022	21,310,692.42	151,904,168.43	8,816,425.68
November 2022	20,900,870.02	150,329,224.97	8,599,692.86
December 2022	20,496,542.89	148,765,061.53	8,385,937.24
January 2023	20,097,631.39	147,211,602.68	8,175,115.45
February 2023	19,704,057.03	145,668,773.49	7,967,184.75
March 2023	19,315,742.48	144,136,499.51	7,762,102.99
April 2023	18,932,611.53	142,614,706.80	7,559,828.62
May 2023	18,554,589.09	141,103,321.90	7,360,320.67
June 2023	18,182,443.45	139,602,271.86	7,163,538.73
July 2023	17,816,461.41	138,111,484.19	6,969,442.98
August 2023	17,456,541.37	136,630,886.89	6,777,994.14
September 2023	17,102,583.37	135,160,408.43	6,589,153.51
October 2023	16,754,489.07	133,699,977.78	6,402,882.91
November 2023	16,412,161.75	132,249,524.34	6,219,218.74
December 2023	16,075,506.24	130,808,978.03	6,040,616.23
January 2024	15,744,428.92	129,378,269.19	5,866,937.38
February 2024	15,418,837.72	127,957,328.64	5,698,047.92
March 2024	15,098,642.03	126,546,087.67	5,533,817.21
April 2024	14,783,752.74	125,144,478.00	5,374,118.14

<u>Distribution Date</u>	<u>Class NA</u>	<u>Classes DF and MA (in the aggregate)</u>	<u>Class YA</u>
May 2024	\$14,474,082.19	\$123,752,431.84	\$ 5,218,827.05
June 2024	14,169,544.13	122,369,881.82	5,067,823.61
July 2024	13,870,053.72	120,996,761.02	4,920,990.75
August 2024	13,575,527.51	119,633,002.97	4,778,214.57
September 2024	13,286,016.52	118,278,541.66	4,639,384.26
October 2024	13,002,471.17	116,933,311.49	4,504,392.00
November 2024	12,724,770.41	115,597,247.30	4,373,132.90
December 2024	12,452,795.61	114,270,284.38	4,245,504.90
January 2025	12,186,430.51	112,952,358.44	4,121,408.71
February 2025	11,925,561.21	111,643,405.60	4,000,747.74
March 2025	11,670,076.07	110,343,362.44	3,883,428.00
April 2025	11,419,865.72	109,052,165.93	3,769,358.05
May 2025	11,174,822.96	107,769,753.48	3,658,448.94
June 2025	10,934,842.76	106,496,062.90	3,550,614.13
July 2025	10,699,822.20	105,231,032.41	3,445,769.42
August 2025	10,469,660.42	103,974,600.67	3,343,832.91
September 2025	10,244,258.61	102,726,706.71	3,244,724.90
October 2025	10,023,519.92	101,487,289.99	3,148,367.87
November 2025	9,807,349.46	100,256,290.36	3,054,686.40
December 2025	9,595,654.24	99,033,648.07	2,963,607.11
January 2026	9,388,343.17	97,819,303.79	2,875,058.62
February 2026	9,185,326.95	96,613,198.54	2,788,971.50
March 2026	8,986,518.10	95,415,273.78	2,705,278.18
April 2026	8,791,830.91	94,225,471.32	2,623,912.95
May 2026	8,601,181.38	93,043,733.38	2,544,811.88
June 2026	8,414,487.21	91,870,002.56	2,467,912.77
July 2026	8,231,667.74	90,704,221.83	2,393,155.12
August 2026	8,052,643.96	89,546,334.54	2,320,480.07
September 2026	7,877,338.43	88,396,284.44	2,249,830.36
October 2026	7,705,675.29	87,254,015.63	2,181,150.30
November 2026	7,537,580.19	86,119,472.59	2,114,385.71
December 2026	7,372,980.30	84,992,600.17	2,049,483.88
January 2027	7,211,804.24	83,873,343.57	1,986,393.53
February 2027	7,053,982.06	82,761,648.39	1,925,064.79
March 2027	6,899,445.26	81,657,460.55	1,865,449.15
April 2027	6,748,126.69	80,560,726.37	1,807,499.41
May 2027	6,599,960.55	79,471,392.48	1,751,169.66
June 2027	6,454,882.39	78,389,405.91	1,696,415.25
July 2027	6,312,829.06	77,314,714.03	1,643,192.74
August 2027	6,173,738.66	76,247,264.53	1,591,459.87
September 2027	6,037,550.57	75,191,336.32	1,541,175.54
October 2027	5,904,205.36	74,149,064.50	1,492,299.78
November 2027	5,773,644.84	73,120,279.31	1,444,793.69
December 2027	5,645,811.97	72,104,813.03	1,398,619.45
January 2028	5,520,650.87	71,102,500.00	1,353,740.27
February 2028	5,398,106.78	70,113,176.55	1,310,120.35
March 2028	5,278,126.06	69,136,681.00	1,267,724.89
April 2028	5,160,656.15	68,172,853.63	1,226,520.03

<u>Distribution Date</u>	<u>Class NA</u>	<u>Classes DF and MA (in the aggregate)</u>	<u>Class YA</u>
May 2028	\$ 5,045,645.56	\$ 67,221,536.66	\$ 1,186,472.83
June 2028	4,933,043.82	66,282,574.24	1,147,551.26
July 2028	4,822,801.50	65,355,812.38	1,109,724.16
August 2028	4,714,870.17	64,441,098.99	1,072,961.23
September 2028	4,609,202.37	63,538,283.82	1,037,232.99
October 2028	4,505,751.60	62,647,218.43	1,002,510.77
November 2028	4,404,472.32	61,767,756.21	968,766.69
December 2028	4,305,319.90	60,899,752.31	935,973.63
January 2029	4,208,250.61	60,043,063.65	904,105.21
February 2029	4,113,221.60	59,197,548.89	873,135.78
March 2029	4,020,190.91	58,363,068.41	843,040.38
April 2029	3,929,117.42	57,539,484.29	813,794.75
May 2029	3,839,960.83	56,726,660.28	785,375.29
June 2029	3,752,681.69	55,924,461.79	757,759.04
July 2029	3,667,241.31	55,132,755.88	730,923.67
August 2029	3,583,601.81	54,351,411.21	704,847.48
September 2029	3,501,726.08	53,580,298.07	679,509.35
October 2029	3,421,577.76	52,819,288.28	654,888.74
November 2029	3,343,121.21	52,068,255.28	630,965.68
December 2029	3,266,321.53	51,327,074.01	607,720.74
January 2030	3,191,144.54	50,595,620.95	585,135.04
February 2030	3,117,556.73	49,873,774.08	563,190.21
March 2030	3,045,525.29	49,161,412.89	541,868.38
April 2030	2,975,018.06	48,458,418.30	521,152.17
May 2030	2,906,003.55	47,764,672.72	501,024.69
June 2030	2,838,450.91	47,080,059.98	481,469.51
July 2030	2,772,329.89	46,404,465.32	462,470.66
August 2030	2,707,610.90	45,737,775.39	444,012.59
September 2030	2,644,264.91	45,079,878.23	426,080.19
October 2030	2,582,263.51	44,430,663.24	408,658.77
November 2030	2,521,578.85	43,790,021.18	391,734.04
December 2030	2,462,183.66	43,157,844.12	375,292.11
January 2031	2,404,051.21	42,534,025.47	359,319.46
February 2031	2,347,155.34	41,918,459.95	343,802.96
March 2031	2,291,470.39	41,311,043.55	328,729.82
April 2031	2,236,971.26	40,711,673.55	314,087.63
May 2031	2,183,633.32	40,120,248.45	299,864.30
June 2031	2,131,432.48	39,536,668.05	286,048.09
July 2031	2,080,345.13	38,960,833.32	272,627.58
August 2031	2,030,348.12	38,392,646.48	259,591.66
September 2031	1,981,418.80	37,832,010.94	246,929.52
October 2031	1,933,534.98	37,278,831.27	234,630.67
November 2031	1,886,674.90	36,733,013.24	222,684.90
December 2031	1,840,817.27	36,194,463.76	211,082.28
January 2032	1,795,941.22	35,663,090.88	199,813.16
February 2032	1,752,026.31	35,138,803.78	188,868.15
March 2032	1,709,052.53	34,621,512.75	178,238.13
April 2032	1,667,000.26	34,111,129.20	167,914.23

<u>Distribution Date</u>	<u>Class NA</u>	<u>Classes DF and MA (in the aggregate)</u>	<u>Class YA</u>
May 2032	\$ 1,625,850.29	\$ 33,607,565.60	\$ 157,887.81
June 2032	1,585,583.80	33,110,735.51	148,150.50
July 2032	1,546,182.36	32,620,553.55	138,694.13
August 2032	1,507,627.91	32,136,935.37	129,510.78
September 2032	1,469,902.78	31,659,797.70	120,592.74
October 2032	1,432,989.63	31,189,058.24	111,932.52
November 2032	1,396,871.50	30,724,635.74	103,522.83
December 2032	1,361,531.76	30,266,449.93	95,356.59
January 2033	1,326,954.14	29,814,421.53	87,426.91
February 2033	1,293,122.69	29,368,472.24	79,727.10
March 2033	1,260,021.79	28,928,524.73	72,250.64
April 2033	1,227,636.15	28,494,502.59	64,991.21
May 2033	1,195,950.77	28,066,330.40	57,942.66
June 2033	1,164,950.98	27,643,933.62	51,099.01
July 2033	1,134,622.40	27,227,238.65	44,454.45
August 2033	1,104,950.96	26,816,172.81	38,003.32
September 2033	1,075,922.86	26,410,664.30	31,740.13
October 2033	1,047,524.59	26,010,642.19	25,659.54
November 2033	1,019,742.92	25,616,036.46	19,756.36
December 2033	992,564.90	25,226,777.92	14,025.54
January 2034	965,977.83	24,842,798.25	8,462.18
February 2034	939,969.29	24,464,029.98	3,061.51
March 2034	914,527.09	24,090,406.45	0.00
April 2034	889,639.31	23,721,861.85	0.00
May 2034	865,294.28	23,358,331.16	0.00
June 2034	841,480.56	22,999,750.18	0.00
July 2034	818,186.94	22,646,055.49	0.00
August 2034	795,402.45	22,297,184.46	0.00
September 2034	773,116.35	21,953,075.23	0.00
October 2034	751,318.12	21,613,666.72	0.00
November 2034	729,997.44	21,278,898.58	0.00
December 2034	709,144.23	20,948,711.23	0.00
January 2035	688,748.60	20,623,045.82	0.00
February 2035	668,800.87	20,301,844.22	0.00
March 2035	649,291.56	19,985,049.03	0.00
April 2035	630,211.38	19,672,603.56	0.00
May 2035	611,551.24	19,364,451.82	0.00
June 2035	593,302.23	19,060,538.52	0.00
July 2035	575,455.64	18,760,809.03	0.00
August 2035	558,002.93	18,465,209.44	0.00
September 2035	540,935.72	18,173,686.48	0.00
October 2035	524,245.84	17,886,187.54	0.00
November 2035	507,925.26	17,602,660.68	0.00
December 2035	491,966.12	17,323,054.58	0.00
January 2036	476,360.74	17,047,318.60	0.00
February 2036	461,101.58	16,775,402.68	0.00
March 2036	446,181.27	16,507,257.41	0.00
April 2036	431,592.58	16,242,833.99	0.00

<u>Distribution Date</u>	<u>Class NA</u>	<u>Classes DF and MA (in the aggregate)</u>	<u>Class YA</u>
May 2036	\$ 417,328.45	\$ 15,982,084.22	\$ 0.00
June 2036	403,381.95	15,724,960.52	0.00
July 2036	389,746.29	15,471,415.87	0.00
August 2036	376,414.83	15,221,403.87	0.00
September 2036	363,381.08	14,974,878.67	0.00
October 2036	350,638.66	14,731,795.00	0.00
November 2036	338,181.35	14,492,108.16	0.00
December 2036	326,003.02	14,255,774.00	0.00
January 2037	314,097.72	14,022,748.93	0.00
February 2037	302,459.58	13,792,989.89	0.00
March 2037	291,082.87	13,566,454.37	0.00
April 2037	279,961.99	13,343,100.37	0.00
May 2037	269,091.43	13,122,886.45	0.00
June 2037	258,465.82	12,905,771.66	0.00
July 2037	248,079.89	12,691,715.56	0.00
August 2037	237,928.47	12,480,678.24	0.00
September 2037	228,006.53	12,272,620.25	0.00
October 2037	218,309.12	12,067,502.68	0.00
November 2037	208,831.39	11,865,287.06	0.00
December 2037	199,568.61	11,665,935.44	0.00
January 2038	190,516.13	11,469,410.32	0.00
February 2038	181,669.42	11,275,674.69	0.00
March 2038	173,024.02	11,084,691.98	0.00
April 2038	164,575.58	10,896,426.10	0.00
May 2038	156,319.84	10,710,841.40	0.00
June 2038	152,321.18	10,527,902.68	0.00
July 2038	148,477.67	10,347,575.18	0.00
August 2038	144,722.17	10,169,824.58	0.00
September 2038	141,052.75	9,994,616.98	0.00
October 2038	137,467.56	9,821,918.93	0.00
November 2038	133,964.76	9,651,697.37	0.00
December 2038	130,542.56	9,483,919.69	0.00
January 2039	127,199.20	9,318,553.64	0.00
February 2039	123,932.96	9,155,567.43	0.00
March 2039	120,742.16	8,994,929.64	0.00
April 2039	117,625.15	8,836,609.25	0.00
May 2039	114,580.33	8,680,575.63	0.00
June 2039	111,606.11	8,526,798.53	0.00
July 2039	108,700.95	8,375,248.11	0.00
August 2039	105,863.34	8,225,894.86	0.00
September 2039	103,091.79	8,078,709.68	0.00
October 2039	100,384.86	7,933,663.81	0.00
November 2039	97,741.13	7,790,728.89	0.00
December 2039	95,159.21	7,649,876.88	0.00
January 2040	92,637.75	7,511,080.10	0.00
February 2040	90,175.41	7,374,311.25	0.00
March 2040	87,770.88	7,239,543.33	0.00
April 2040	85,422.91	7,106,749.72	0.00

<u>Distribution Date</u>	<u>Class NA</u>	<u>Classes DF and MA (in the aggregate)</u>	<u>Class YA</u>
May 2040	\$ 83,130.23	\$ 6,975,904.12	\$ 0.00
June 2040	80,891.64	6,846,980.55	0.00
July 2040	78,705.92	6,719,953.39	0.00
August 2040	76,571.92	6,594,797.32	0.00
September 2040	74,488.50	6,471,487.35	0.00
October 2040	72,454.52	6,349,998.80	0.00
November 2040	70,468.89	6,230,307.31	0.00
December 2040	68,530.55	6,112,388.83	0.00
January 2041	66,638.44	5,996,219.60	0.00
February 2041	64,791.52	5,881,776.19	0.00
March 2041	62,988.81	5,769,035.44	0.00
April 2041	61,229.31	5,657,974.49	0.00
May 2041	59,512.06	5,548,570.78	0.00
June 2041	57,836.11	5,440,802.04	0.00
July 2041	56,200.55	5,334,646.27	0.00
August 2041	54,604.47	5,230,081.75	0.00
September 2041	53,046.99	5,127,087.05	0.00
October 2041	51,527.24	5,025,641.00	0.00
November 2041	50,044.38	4,925,722.70	0.00
December 2041	48,597.58	4,827,311.53	0.00
January 2042	47,186.03	4,730,387.12	0.00
February 2042	45,808.94	4,634,929.36	0.00
March 2042	44,465.52	4,540,918.41	0.00
April 2042	43,155.03	4,448,334.66	0.00
May 2042	41,876.72	4,357,158.77	0.00
June 2042	40,629.85	4,267,371.65	0.00
July 2042	39,413.73	4,178,954.43	0.00
August 2042	38,227.66	4,091,888.51	0.00
September 2042	37,070.95	4,006,155.51	0.00
October 2042	35,942.94	3,921,737.29	0.00
November 2042	34,842.98	3,838,615.94	0.00
December 2042	33,770.43	3,756,773.79	0.00
January 2043	32,724.66	3,676,193.37	0.00
February 2043	31,705.07	3,596,857.47	0.00
March 2043	30,711.06	3,518,749.08	0.00
April 2043	29,742.04	3,441,851.41	0.00
May 2043	28,797.45	3,366,147.88	0.00
June 2043	27,876.72	3,291,622.14	0.00
July 2043	26,979.30	3,218,258.04	0.00
August 2043	26,104.67	3,146,039.63	0.00
September 2043	25,252.30	3,074,951.19	0.00
October 2043	24,421.67	3,004,977.17	0.00
November 2043	23,612.29	2,936,102.24	0.00
December 2043	22,823.67	2,868,311.27	0.00
January 2044	22,055.32	2,801,589.31	0.00
February 2044	21,306.78	2,735,921.61	0.00
March 2044	20,577.59	2,671,293.63	0.00
April 2044	19,867.30	2,607,690.98	0.00

<u>Distribution Date</u>	<u>Class NA</u>	<u>Classes DF and MA (in the aggregate)</u>	<u>Class YA</u>
May 2044	\$ 19,175.47	\$ 2,545,099.49	\$ 0.00
June 2044	18,501.68	2,483,505.15	0.00
July 2044	17,845.50	2,422,894.14	0.00
August 2044	17,206.52	2,363,252.83	0.00
September 2044	16,584.34	2,304,567.74	0.00
October 2044	15,978.57	2,246,825.59	0.00
November 2044	15,388.82	2,190,013.25	0.00
December 2044	14,814.73	2,134,117.79	0.00
January 2045	14,255.91	2,079,126.42	0.00
February 2045	13,712.02	2,025,026.52	0.00
March 2045	13,182.70	1,971,805.66	0.00
April 2045	12,667.60	1,919,451.53	0.00
May 2045	12,166.40	1,867,952.01	0.00
June 2045	11,678.76	1,817,295.13	0.00
July 2045	11,204.36	1,767,469.07	0.00
August 2045	10,742.89	1,718,462.17	0.00
September 2045	10,294.04	1,670,262.93	0.00
October 2045	9,857.50	1,622,859.98	0.00
November 2045	9,433.00	1,576,242.11	0.00
December 2045	9,020.23	1,530,398.26	0.00
January 2046	8,618.92	1,485,317.50	0.00
February 2046	8,228.79	1,440,989.06	0.00
March 2046	7,849.58	1,397,402.31	0.00
April 2046	7,481.02	1,354,546.73	0.00
May 2046	7,122.86	1,312,411.98	0.00
June 2046	6,774.84	1,270,987.83	0.00
July 2046	6,436.73	1,230,264.19	0.00
August 2046	6,108.27	1,190,231.09	0.00
September 2046	5,789.24	1,150,878.72	0.00
October 2046	5,479.40	1,112,197.37	0.00
November 2046	5,178.54	1,074,177.46	0.00
December 2046	4,886.43	1,036,809.57	0.00
January 2047	4,602.86	1,000,084.35	0.00
February 2047	4,327.62	963,992.62	0.00
March 2047	4,060.50	928,525.29	0.00
April 2047	3,801.32	893,673.41	0.00
May 2047	3,549.86	859,428.14	0.00
June 2047	3,305.94	825,780.75	0.00
July 2047	3,069.38	792,722.63	0.00
August 2047	2,839.99	760,245.30	0.00
September 2047	2,617.59	728,340.36	0.00
October 2047	2,402.00	696,999.55	0.00
November 2047	2,193.07	666,214.70	0.00
December 2047	1,990.62	635,977.75	0.00
January 2048	1,794.49	606,280.77	0.00
February 2048	1,604.52	577,115.90	0.00
March 2048	1,420.55	548,475.42	0.00
April 2048	1,242.44	520,351.68	0.00

<u>Distribution Date</u>	<u>Class NA</u>	<u>Classes DF and MA (in the aggregate)</u>	<u>Class YA</u>
May 2048	\$ 1,070.03	\$ 492,737.14	\$ 0.00
June 2048	903.19	465,624.39	0.00
July 2048	741.76	439,006.07	0.00
August 2048	585.62	412,874.95	0.00
September 2048	434.62	387,223.90	0.00
October 2048	293.43	362,045.86	0.00
November 2048	166.94	337,333.88	0.00
December 2048	76.58	313,081.11	0.00
January 2049	0.00	289,280.77	0.00
February 2049	0.00	265,926.19	0.00
March 2049	0.00	243,010.77	0.00
April 2049	0.00	220,528.03	0.00
May 2049	0.00	198,471.54	0.00
June 2049	0.00	176,834.99	0.00
July 2049	0.00	155,612.12	0.00
August 2049	0.00	134,796.77	0.00
September 2049	0.00	114,382.88	0.00
October 2049	0.00	94,364.45	0.00
November 2049	0.00	74,735.57	0.00
December 2049	0.00	55,490.39	0.00
January 2050	0.00	36,623.17	0.00
February 2050	0.00	18,128.23	0.00
March 2050 and thereafter	0.00	0.00	0.00

<u>Distribution Date</u>	<u>Classes AL and PF (in the aggregate)</u>	<u>Class LA</u>	<u>Classes MC, MD and ME (in the aggregate)</u>
Initial Balance	\$70,721,670.00	\$97,762,309.00	\$76,380,000.00
June 2020	70,525,480.17	97,491,105.41	76,138,427.02
July 2020	70,305,899.00	97,187,566.73	75,871,152.90
August 2020	70,063,037.94	96,851,847.04	75,578,299.79
September 2020	69,797,029.44	96,484,129.40	75,260,012.80
October 2020	69,508,026.82	96,084,625.79	74,916,460.00
November 2020	69,196,204.26	95,653,576.95	74,547,832.25
December 2020	68,861,756.56	95,191,252.20	74,154,343.05
January 2021	68,504,899.08	94,697,949.22	73,736,228.42
February 2021	68,125,867.47	94,173,993.75	73,293,746.61
March 2021	67,724,917.46	93,619,739.33	72,827,177.89
April 2021	67,302,324.62	93,035,566.88	72,336,824.28
May 2021	66,858,384.06	92,421,884.34	71,823,009.18
June 2021	66,393,410.10	91,779,126.23	71,286,077.09
July 2021	65,907,735.94	91,107,753.13	70,726,393.16
August 2021	65,401,713.26	90,408,251.20	70,144,342.83
September 2021	64,875,711.85	89,681,131.60	69,540,331.33
October 2021	64,330,119.11	88,926,929.88	68,914,783.25
November 2021	63,765,339.67	88,146,205.35	68,268,142.02
December 2021	63,181,794.81	87,339,540.41	67,600,869.35
January 2022	62,579,922.02	86,507,539.80	66,913,444.68
February 2022	61,960,174.43	85,650,829.89	66,206,364.59
March 2022	61,323,020.23	84,770,057.91	65,480,142.18
April 2022	60,668,942.08	83,865,891.07	64,735,306.42
May 2022	59,998,436.56	82,939,015.79	63,972,401.47
June 2022	59,312,013.43	81,990,136.77	63,191,986.00
July 2022	58,610,195.09	81,019,976.12	62,394,632.48
August 2022	57,893,515.81	80,029,272.42	61,580,926.42
September 2022	57,162,521.12	79,018,779.77	60,751,465.63
October 2022	56,439,004.15	78,018,623.96	59,930,129.86
November 2022	55,722,891.35	77,028,703.34	59,116,838.33
December 2022	55,014,109.88	76,048,917.19	58,311,511.03
January 2023	54,312,587.60	75,079,165.80	57,514,068.74
February 2023	53,618,253.05	74,119,350.40	56,724,432.99
March 2023	52,931,035.46	73,169,373.16	55,942,526.06
April 2023	52,250,864.77	72,229,137.20	55,168,270.97
May 2023	51,577,671.56	71,298,546.59	54,401,591.48
June 2023	50,911,387.09	70,377,506.30	53,642,412.09
July 2023	50,251,943.27	69,465,922.20	52,890,658.02
August 2023	49,599,272.69	68,563,701.11	52,146,255.20
September 2023	48,953,308.56	67,670,750.70	51,409,130.28
October 2023	48,313,984.76	66,786,979.56	50,679,210.60
November 2023	47,681,235.78	65,912,297.16	49,956,424.20
December 2023	47,054,996.75	65,046,613.81	49,240,699.84
January 2024	46,435,203.45	64,189,840.71	48,531,966.92
February 2024	45,821,792.23	63,341,889.92	47,830,155.53
March 2024	45,214,700.10	62,502,674.32	47,135,196.46

<u>Distribution Date</u>	<u>Classes AL and PF (in the aggregate)</u>	<u>Class LA</u>	<u>Classes MC, MD and ME (in the aggregate)</u>
April 2024	\$44,613,864.63	\$61,672,107.66	\$46,447,021.12
May 2024	44,019,224.04	60,850,104.49	45,765,561.62
June 2024	43,430,717.12	60,036,580.22	45,090,750.68
July 2024	42,848,283.23	59,231,451.03	44,422,521.70
August 2024	42,271,862.36	58,434,633.95	43,760,808.71
September 2024	41,701,395.05	57,646,046.78	43,105,546.35
October 2024	41,136,822.40	56,865,608.13	42,456,669.93
November 2024	40,578,086.12	56,093,237.39	41,814,115.35
December 2024	40,025,128.44	55,328,854.71	41,177,819.14
January 2025	39,477,892.17	54,572,381.05	40,547,718.42
February 2025	38,936,320.67	53,823,738.10	39,923,750.95
March 2025	38,400,357.83	53,082,848.30	39,305,855.04
April 2025	37,869,948.11	52,349,634.87	38,693,969.64
May 2025	37,345,036.48	51,624,021.74	38,088,034.27
June 2025	36,825,568.46	50,905,933.59	37,487,989.00
July 2025	36,311,490.08	50,195,295.83	36,893,774.53
August 2025	35,802,747.90	49,492,034.59	36,305,332.09
September 2025	35,299,288.99	48,796,076.69	35,722,603.50
October 2025	34,801,060.94	48,107,349.68	35,145,531.11
November 2025	34,308,011.84	47,425,781.81	34,574,057.85
December 2025	33,820,090.28	46,751,302.02	34,008,127.20
January 2026	33,337,245.36	46,083,839.92	33,447,683.17
February 2026	32,859,426.65	45,423,325.83	32,892,670.31
March 2026	32,386,584.23	44,769,690.72	32,343,033.70
April 2026	31,918,668.64	44,122,866.23	31,798,718.97
May 2026	31,455,630.92	43,482,784.68	31,259,672.25
June 2026	30,997,422.57	42,849,379.02	30,725,840.20
July 2026	30,543,995.56	42,222,582.86	30,198,760.01
August 2026	30,095,302.32	41,602,330.46	29,680,368.46
September 2026	29,651,295.77	40,988,556.69	29,170,526.03
October 2026	29,211,929.24	40,381,197.08	28,669,095.37
November 2026	28,777,156.54	39,780,187.77	28,175,941.32
December 2026	28,346,931.93	39,185,465.52	27,690,930.83
January 2027	27,921,210.10	38,596,967.70	27,213,932.96
February 2027	27,499,946.19	38,014,632.28	26,744,818.85
March 2027	27,083,095.75	37,438,397.86	26,283,461.64
April 2027	26,670,614.79	36,868,203.59	25,829,736.52
May 2027	26,262,459.73	36,303,989.26	25,383,520.61
June 2027	25,858,587.43	35,745,695.19	24,944,693.00
July 2027	25,458,955.14	35,193,262.32	24,513,134.67
August 2027	25,063,520.54	34,646,632.14	24,088,728.49
September 2027	24,673,279.15	34,107,180.81	23,671,359.19
October 2027	24,288,794.84	33,575,687.80	23,260,913.31
November 2027	23,909,985.46	33,052,039.54	22,857,279.18
December 2027	23,536,769.99	32,536,124.04	22,460,346.92
January 2028	23,169,068.56	32,027,830.89	22,070,008.37
February 2028	22,806,802.39	31,527,051.19	21,686,157.08

<u>Distribution Date</u>	<u>Classes AL and PF (in the aggregate)</u>	<u>Class LA</u>	<u>Classes MC, MD and ME (in the aggregate)</u>
March 2028	\$22,449,893.82	\$31,033,677.59	\$21,308,688.30
April 2028	22,098,266.29	30,547,604.23	20,937,498.92
May 2028	21,751,844.26	30,068,726.73	20,572,487.48
June 2028	21,410,553.30	29,596,942.16	20,213,554.11
July 2028	21,074,319.99	29,132,149.06	19,860,600.55
August 2028	20,743,071.94	28,674,247.35	19,513,530.06
September 2028	20,416,737.79	28,223,138.38	19,172,247.47
October 2028	20,095,247.15	27,778,724.85	18,836,659.09
November 2028	19,778,530.64	27,340,910.85	18,506,672.73
December 2028	19,466,519.84	26,909,601.81	18,182,197.66
January 2029	19,159,147.29	26,484,704.46	17,863,144.59
February 2029	18,856,346.47	26,066,126.86	17,549,425.65
March 2029	18,558,051.80	25,653,778.35	17,240,954.35
April 2029	18,264,198.62	25,247,569.54	16,937,645.60
May 2029	17,974,723.16	24,847,412.29	16,639,415.64
June 2029	17,689,562.56	24,453,219.70	16,346,182.04
July 2029	17,408,654.84	24,064,906.09	16,057,863.69
August 2029	17,131,938.88	23,682,386.97	15,774,380.76
September 2029	16,859,354.43	23,305,579.05	15,495,654.71
October 2029	16,590,842.07	22,934,400.20	15,221,608.22
November 2029	16,326,343.23	22,568,769.45	14,952,165.21
December 2029	16,065,800.14	22,208,606.95	14,687,250.82
January 2030	15,809,155.87	21,853,833.99	14,426,791.37
February 2030	15,556,354.27	21,504,372.95	14,170,714.36
March 2030	15,307,339.98	21,160,147.32	13,918,948.45
April 2030	15,062,058.42	20,821,081.64	13,671,423.40
May 2030	14,820,455.79	20,487,101.53	13,428,070.14
June 2030	14,582,479.02	20,158,133.65	13,188,820.67
July 2030	14,348,075.81	19,834,105.68	12,953,608.08
August 2030	14,117,194.58	19,514,946.33	12,722,366.51
September 2030	13,889,784.48	19,200,585.32	12,495,031.19
October 2030	13,665,795.39	18,890,953.34	12,271,538.35
November 2030	13,445,177.87	18,585,982.07	12,051,825.25
December 2030	13,227,883.19	18,285,604.13	11,835,830.13
January 2031	13,013,863.32	17,989,753.13	11,623,492.26
February 2031	12,803,070.87	17,698,363.57	11,414,751.83
March 2031	12,595,459.14	17,411,370.89	11,209,550.03
April 2031	12,390,982.11	17,128,711.46	11,007,828.94
May 2031	12,189,594.36	16,850,322.52	10,809,531.62
June 2031	11,991,251.15	16,576,142.20	10,614,601.99
July 2031	11,795,908.35	16,306,109.51	10,422,984.91
August 2031	11,603,522.47	16,040,164.32	10,234,626.08
September 2031	11,414,050.61	15,778,247.34	10,049,472.11
October 2031	11,227,450.49	15,520,300.12	9,867,470.43
November 2031	11,043,680.44	15,266,265.05	9,688,569.32
December 2031	10,862,699.35	15,016,085.31	9,512,717.91
January 2032	10,684,466.71	14,769,704.89	9,339,866.12

<u>Distribution Date</u>	<u>Classes AL and PF (in the aggregate)</u>	<u>Class LA</u>	<u>Classes MC, MD and ME (in the aggregate)</u>
February 2032	\$10,508,942.57	\$14,527,068.59	\$ 9,169,964.67
March 2032	10,336,087.56	14,288,121.96	9,002,965.09
April 2032	10,165,862.85	14,052,811.34	8,838,819.67
May 2032	9,998,230.18	13,821,083.82	8,677,481.48
June 2032	9,833,151.80	13,592,887.24	8,518,904.32
July 2032	9,670,590.53	13,368,170.19	8,363,042.75
August 2032	9,510,509.69	13,146,881.97	8,209,852.06
September 2032	9,352,873.13	12,928,972.60	8,059,288.23
October 2032	9,197,645.20	12,714,392.82	7,911,307.99
November 2032	9,044,790.78	12,503,094.06	7,765,868.73
December 2032	8,894,275.22	12,295,028.43	7,622,928.54
January 2033	8,746,064.37	12,090,148.74	7,482,446.18
February 2033	8,600,124.58	11,888,408.44	7,344,381.07
March 2033	8,456,422.66	11,689,761.67	7,208,693.28
April 2033	8,314,925.89	11,494,163.19	7,075,343.54
May 2033	8,175,602.02	11,301,568.44	6,944,293.19
June 2033	8,038,419.26	11,111,933.45	6,815,504.20
July 2033	7,903,346.27	10,925,214.90	6,688,939.16
August 2033	7,770,352.15	10,741,370.08	6,564,561.25
September 2033	7,639,406.44	10,560,356.90	6,442,334.24
October 2033	7,510,479.11	10,382,133.83	6,322,222.51
November 2033	7,383,540.57	10,206,659.97	6,204,190.99
December 2033	7,258,561.64	10,033,894.98	6,088,205.17
January 2034	7,135,513.56	9,863,799.10	5,974,231.12
February 2034	7,014,367.97	9,696,333.14	5,862,235.44
March 2034	6,895,096.92	9,531,458.46	5,752,185.28
April 2034	6,777,672.86	9,369,136.96	5,644,048.30
May 2034	6,662,068.63	9,209,331.12	5,537,792.72
June 2034	6,548,257.46	9,052,003.91	5,433,387.22
July 2034	6,436,212.95	8,897,118.85	5,330,801.04
August 2034	6,325,909.09	8,744,639.98	5,230,003.88
September 2034	6,217,320.22	8,594,531.85	5,130,965.95
October 2034	6,110,421.08	8,446,759.51	5,033,657.93
November 2034	6,005,186.75	8,301,288.51	4,938,050.98
December 2034	5,901,592.65	8,158,084.91	4,844,116.73
January 2035	5,799,614.58	8,017,115.23	4,751,827.26
February 2035	5,699,228.67	7,878,346.47	4,661,155.10
March 2035	5,600,411.40	7,741,746.12	4,572,073.24
April 2035	5,503,139.56	7,607,282.12	4,484,555.10
May 2035	5,407,390.32	7,474,922.86	4,398,574.53
June 2035	5,313,141.12	7,344,637.21	4,314,105.80
July 2035	5,220,369.77	7,216,394.46	4,231,123.60
August 2035	5,129,054.36	7,090,164.34	4,149,603.04
September 2035	5,039,173.33	6,965,917.03	4,069,519.63
October 2035	4,950,705.40	6,843,623.13	3,990,849.26
November 2035	4,863,629.60	6,723,253.64	3,913,568.23
December 2035	4,777,925.27	6,604,780.02	3,837,653.23

<u>Distribution Date</u>	<u>Classes AL and PF (in the aggregate)</u>	<u>Class LA</u>	<u>Classes MC, MD and ME (in the aggregate)</u>
January 2036	\$ 4,693,572.05	\$ 6,488,174.09	\$ 3,763,081.31
February 2036	4,610,549.85	6,373,408.10	3,689,829.90
March 2036	4,528,838.88	6,260,454.71	3,617,876.81
April 2036	4,448,419.64	6,149,286.94	3,547,200.20
May 2036	4,369,272.90	6,039,878.21	3,477,778.58
June 2036	4,291,379.72	5,932,202.34	3,409,590.82
July 2036	4,214,721.41	5,826,233.51	3,342,616.13
August 2036	4,139,279.57	5,721,946.25	3,276,834.06
September 2036	4,065,036.05	5,619,315.51	3,212,224.49
October 2036	3,991,972.97	5,518,316.54	3,148,767.63
November 2036	3,920,072.69	5,418,924.98	3,086,444.02
December 2036	3,849,317.85	5,321,116.82	3,025,234.51
January 2037	3,779,691.32	5,224,868.38	2,965,120.26
February 2037	3,711,176.23	5,130,156.34	2,906,082.75
March 2037	3,643,755.94	5,036,957.70	2,848,103.74
April 2037	3,577,414.05	4,945,249.80	2,791,165.31
May 2037	3,512,134.41	4,855,010.30	2,735,249.83
June 2037	3,447,901.09	4,766,217.18	2,680,339.94
July 2037	3,384,698.40	4,678,848.76	2,626,418.60
August 2037	3,322,510.86	4,592,883.63	2,573,469.00
September 2037	3,261,323.23	4,508,300.74	2,521,474.65
October 2037	3,201,120.49	4,425,079.29	2,470,419.31
November 2037	3,141,887.82	4,343,198.84	2,420,287.01
December 2037	3,083,610.63	4,262,639.19	2,371,062.03
January 2038	3,026,274.53	4,183,380.46	2,322,728.92
February 2038	2,969,865.34	4,105,403.07	2,275,272.49
March 2038	2,914,369.11	4,028,687.68	2,228,677.79
April 2038	2,859,772.04	3,953,215.27	2,182,930.11
May 2038	2,806,060.59	3,878,967.08	2,138,014.99
June 2038	2,753,221.36	3,805,924.62	2,093,918.20
July 2038	2,701,241.19	3,734,069.68	2,050,625.77
August 2038	2,650,107.08	3,663,384.29	2,008,123.91
September 2038	2,599,806.23	3,593,850.76	1,966,399.11
October 2038	2,550,326.02	3,525,451.65	1,925,438.05
November 2038	2,501,654.03	3,458,169.78	1,885,227.64
December 2038	2,453,778.00	3,391,988.22	1,845,754.99
January 2039	2,406,685.86	3,326,890.26	1,807,007.46
February 2039	2,360,365.71	3,262,859.46	1,768,972.58
March 2039	2,314,805.82	3,199,879.61	1,731,638.11
April 2039	2,269,994.64	3,137,934.74	1,694,991.99
May 2039	2,225,920.78	3,077,009.11	1,659,022.38
June 2039	2,182,573.01	3,017,087.20	1,623,717.63
July 2039	2,139,940.29	2,958,153.73	1,589,066.27
August 2039	2,098,011.71	2,900,193.64	1,555,057.04
September 2039	2,056,776.54	2,843,192.07	1,521,678.84
October 2039	2,016,224.18	2,787,134.41	1,488,920.79
November 2039	1,976,344.22	2,732,006.23	1,456,772.16

<u>Distribution Date</u>	<u>Classes AL and PF (in the aggregate)</u>	<u>Class LA</u>	<u>Classes MC, MD and ME (in the aggregate)</u>
December 2039	\$ 1,937,126.38	\$ 2,677,793.33	\$ 1,425,222.40
January 2040	1,898,560.53	2,624,481.71	1,394,261.15
February 2040	1,860,636.69	2,572,057.59	1,363,878.22
March 2040	1,823,345.04	2,520,507.36	1,334,063.57
April 2040	1,786,675.88	2,469,817.63	1,304,807.35
May 2040	1,750,619.66	2,419,975.22	1,276,099.86
June 2040	1,715,166.98	2,370,967.10	1,247,931.56
July 2040	1,680,308.56	2,322,780.47	1,220,293.08
August 2040	1,646,035.28	2,275,402.70	1,193,175.19
September 2040	1,612,338.14	2,228,821.35	1,166,568.83
October 2040	1,579,208.25	2,183,024.15	1,140,465.08
November 2040	1,546,636.89	2,137,999.04	1,114,855.17
December 2040	1,514,615.44	2,093,734.09	1,089,730.48
January 2041	1,483,135.42	2,050,217.60	1,065,082.53
February 2041	1,452,188.47	2,007,437.99	1,040,902.99
March 2041	1,421,766.35	1,965,383.89	1,017,183.64
April 2041	1,391,860.95	1,924,044.06	993,916.45
May 2041	1,362,464.27	1,883,407.47	971,093.46
June 2041	1,333,568.42	1,843,463.21	948,706.91
July 2041	1,305,165.65	1,804,200.56	926,749.11
August 2041	1,277,248.30	1,765,608.93	905,212.53
September 2041	1,249,808.85	1,727,677.92	884,089.77
October 2041	1,222,839.85	1,690,397.25	863,373.53
November 2041	1,196,334.00	1,653,756.82	843,056.66
December 2041	1,170,284.10	1,617,746.65	823,132.11
January 2042	1,144,683.02	1,582,356.93	803,592.95
February 2042	1,119,523.79	1,547,577.99	784,432.38
March 2042	1,094,799.50	1,513,400.29	765,643.70
April 2042	1,070,503.36	1,479,814.45	747,220.33
May 2042	1,046,628.68	1,446,811.22	729,155.80
June 2042	1,023,168.87	1,414,381.49	711,443.74
July 2042	1,000,117.43	1,382,516.26	694,077.90
August 2042	977,467.97	1,351,206.71	677,052.13
September 2042	955,214.17	1,320,444.11	660,360.38
October 2042	933,349.83	1,290,219.87	643,996.71
November 2042	911,868.83	1,260,525.55	627,955.27
December 2042	890,765.14	1,231,352.80	612,230.31
January 2043	870,032.82	1,202,693.41	596,816.19
February 2043	849,666.02	1,174,539.31	581,707.35
March 2043	829,658.97	1,146,882.51	566,898.34
April 2043	810,006.01	1,119,715.18	552,383.78
May 2043	790,701.53	1,093,029.57	538,158.40
June 2043	771,740.02	1,066,818.08	524,217.01
July 2043	753,116.06	1,041,073.19	510,554.51
August 2043	734,824.30	1,015,787.52	497,165.89
September 2043	716,859.47	990,953.79	484,046.22
October 2043	699,216.38	966,564.81	471,190.66

<u>Distribution Date</u>	<u>Classes AL and PF (in the aggregate)</u>	<u>Class LA</u>	<u>Classes MC, MD and ME (in the aggregate)</u>
November 2043	\$ 681,889.92	\$ 942,613.53	\$ 458,594.44
December 2043	664,875.06	919,092.98	446,252.89
January 2044	648,166.83	895,996.31	434,161.40
February 2044	631,760.34	873,316.76	422,315.44
March 2044	615,650.79	851,047.67	410,710.58
April 2044	599,833.43	829,182.50	399,342.44
May 2044	584,303.60	807,714.79	388,206.73
June 2044	569,056.69	786,638.18	377,299.22
July 2044	554,088.17	765,946.40	366,615.76
August 2044	539,393.57	745,633.28	356,152.27
September 2044	524,968.51	725,692.75	345,904.75
October 2044	510,808.65	706,118.83	335,869.25
November 2044	496,909.72	686,905.60	326,041.90
December 2044	483,267.53	668,047.28	316,418.88
January 2045	469,877.93	649,538.13	306,996.46
February 2045	456,736.86	631,372.53	297,770.97
March 2045	443,840.28	613,544.91	288,738.77
April 2045	431,184.27	596,049.83	279,896.33
May 2045	418,764.91	578,881.89	271,240.14
June 2045	406,578.37	562,035.79	262,766.78
July 2045	394,620.87	545,506.31	254,472.88
August 2045	382,888.70	529,288.31	246,355.12
September 2045	371,378.19	513,376.72	238,410.23
October 2045	360,085.72	497,766.55	230,635.03
November 2045	349,007.76	482,452.89	223,026.36
December 2045	338,140.79	467,430.90	215,581.13
January 2046	327,481.36	452,695.82	208,296.30
February 2046	317,026.09	438,242.94	201,168.90
March 2046	306,771.63	424,067.65	194,195.97
April 2046	296,714.68	410,165.40	187,374.64
May 2046	286,852.01	396,531.71	180,702.08
June 2046	277,180.41	383,162.15	174,175.50
July 2046	267,696.75	370,052.38	167,792.17
August 2046	258,397.92	357,198.12	161,549.39
September 2046	249,280.89	344,595.16	155,444.53
October 2046	240,342.63	332,239.34	149,474.99
November 2046	231,580.20	320,126.57	143,638.21
December 2046	222,990.69	308,252.82	137,931.70
January 2047	214,571.22	296,614.14	132,352.99
February 2047	206,318.96	285,206.62	126,899.66
March 2047	198,231.15	274,026.41	121,569.33
April 2047	190,305.04	263,069.73	116,359.67
May 2047	182,537.94	252,332.85	111,268.38
June 2047	174,927.18	241,812.10	106,293.21
July 2047	167,470.16	231,503.87	101,431.94
August 2047	160,164.30	221,404.59	96,682.40
September 2047	153,007.07	211,510.77	92,042.45

<u>Distribution Date</u>	<u>Classes AL and PF (in the aggregate)</u>	<u>Class LA</u>	<u>Classes MC, MD and ME (in the aggregate)</u>
October 2047	\$ 145,995.97	\$ 201,818.95	\$ 87,509.98
November 2047	139,128.53	192,325.73	83,082.94
December 2047	132,402.36	183,027.78	78,759.30
January 2048	125,815.05	173,921.80	74,537.06
February 2048	119,364.27	165,004.54	70,414.28
March 2048	113,047.70	156,272.82	66,389.02
April 2048	106,863.08	147,723.49	62,459.39
May 2048	100,808.16	139,353.45	58,623.56
June 2048	94,880.74	131,159.67	54,879.68
July 2048	89,078.65	123,139.13	51,225.98
August 2048	83,399.76	115,288.89	47,660.70
September 2048	77,841.95	107,606.05	44,182.10
October 2048	72,403.17	100,087.73	40,788.50
November 2048	67,081.37	92,731.12	37,478.22
December 2048	61,874.54	85,533.45	34,249.63
January 2049	56,780.72	78,491.98	31,101.13
February 2049	51,797.95	71,604.04	28,031.13
March 2049	46,924.32	64,866.96	25,038.09
April 2049	42,157.94	58,278.15	22,120.48
May 2049	37,496.97	51,835.05	19,276.81
June 2049	32,939.58	45,535.12	16,505.60
July 2049	28,483.96	39,375.88	13,805.42
August 2049	24,128.35	33,354.89	11,174.85
September 2049	19,871.01	27,469.75	8,612.50
October 2049	15,710.22	21,718.07	6,117.01
November 2049	11,644.30	16,097.52	3,687.02
December 2049	7,671.58	10,605.82	1,321.23
January 2050	3,790.43	5,240.70	0.00
February 2050 and thereafter	0.00	0.00	0.00

Underlying Certificates

Trust Asset Group or Subgroup	Issuer	Series	Class	Issue Date	CUSIP Number	Interest Rate	Interest Type(1)	Final Distribution Date	Principal Type(1)	Original Principal or Notional Balance of Class	Underlying Certificate Factor(2)	Principal or Notional Balance in Trust	Percentage of Class in Trust	Ginnie Mae I or II
7	Ginnie Mae	2019-086	PDC(3)	March 29, 2019	393881RQ85	3.0%	FIX	February 2049	PAC/AD	\$48,339,730	0.91711067	\$18,342,215	41.3738432908%	II
8C	Ginnie Mae	2019-044	BA	April 30, 2019	393881RFX9	3.0	FIX	April 2049	PT	22,000,000	0.83433779	18,355,143	100.0000000000	II
11A	Ginnie Mae	2019-111	IS	September 30, 2019	393881YLO5	(4)	INV/IO	September 2049	NTL(PT)	58,288,614	0.91127596	53,117,012	100.0000000000	II
11B	Ginnie Mae	2018-046	IO(5)(6)	March 29, 2018	393880V4A6	3.5	FIX/IO	September 2045	NTL(SC/PT)	5,884,857	0.49010136	2,884,176	100.0000000000	II
11C	Ginnie Mae	2018-046	IS(5)(7)	March 29, 2018	393880V4B6	(4)	INV/IO	February 2048	NTL(SC/PT)	15,000,000	0.60789185	9,118,377	100.0000000000	II
11D	Ginnie Mae	2019-098	OM(5)(8)	August 30, 2019	393881YBZ6	0.0	PO	March 2048	SC/PT	3,725,000	1.00000000	3,725,000	100.0000000000	II
11D	Ginnie Mae	2019-098	BO(9)	August 30, 2019	393881YBX9	0.0	PO	June 2049	SC/PT	847,484	1.00000000	847,484	100.0000000000	II
11D	Ginnie Mae	2019-098	GO(10)	August 30, 2019	393881YCB8	0.0	PO	November 2046	SC/PT	1,069,000	1.00000000	1,069,000	100.0000000000	II
11D	Ginnie Mae	2019-098	KO(11)	August 30, 2019	393881YCD4	0.0	PO	November 2047	SC/PT	165,985	1.00000000	165,985	100.0000000000	II
11D	Ginnie Mae	2019-098	MO(12)	August 30, 2019	393881YCH5	0.0	PO	November 2049	SC/PT	111,000	1.00000000	111,000	100.0000000000	II
11D	Ginnie Mae	2019-098	NO(13)	August 30, 2019	393880V4D0	0.0	PO	November 2046	SC/PT	747,000	1.00000000	747,000	100.0000000000	II
11E	Ginnie Mae	2018-046	LO	March 29, 2018	393880V4D0	0.0	PO	March 2048	SLP	2,786,414	1.00000000	1,086,700	38.999975029	II
11F	Ginnie Mae	2018-105	NI(3)	August 28, 2018	393880V4D0	5.0	FIX/IO	August 2048	NTL(PAC/AD)	9,719,800	0.68689312	3,338,231	50.0000000000	II
12A	Ginnie Mae	2018-021	OTL(4)	February 28, 2018	393880K5B7	0.0	PO	November 2046	SC/PT	1,203,663	1.00000000	1,203,663	100.0000000000	II
12B	Ginnie Mae	2018-021	TOX(15)	February 28, 2018	393880K5E1	0.0	PO	May 2043	SC/PT	1,177,491	0.99999994	1,177,491	100.0000000000	II
12C	Ginnie Mae	2020-017	IT(5)(16)	February 28, 2020	393880K5A9	3.5	FIX/IO	November 2045	NTL(SC/PT)	5,239,264	0.44697032	5,239,264	100.0000000000	II
12D	Ginnie Mae	2020-004	PI	January 30, 2020	393882CG21	2.5	FIX	February 2050	PAC/AD	1,532,216	1.00000000	1,532,216	100.0000000000	II
12E	Ginnie Mae	2018-042	ID(5)	March 29, 2018	393880V4D0	4.5	FIX/IO	January 2048	PAC/AD	8,436,000	1.00000000	3,000,000	35.5618776671	II
12F	Ginnie Mae	2019-078	IO(17)	June 28, 2019	393881WUW6	4.5	FIX/IO	March 2048	NTL(PT)	11,111,111	0.30924493	3,436,054	10.3366312574	II
13A	Ginnie Mae	2020-018	EY(3)(18)	February 28, 2020	393882CD40	2.5	FIX	August 2049	NTL(SC/PT)	17,646,252	0.75755063	1,381,793	10.3366312574	II
13B	Ginnie Mae	2016-020	DI(5)(19)	February 29, 2016	39379VDM1	3.0	FIX	January 2046	SC/PAC/AD	3,363,000	1.00000000	3,363,000	100.0000000000	II
13C	Ginnie Mae	2018-046	LO	March 29, 2018	393880V4D0	0.0	PO	January 2048	SLP	2,786,414	1.00000000	876,501	61.000523971	II
16	Ginnie Mae	2019-152	IT(3)(5)	December 30, 2019	393882BBZ7	3.5	FIX/IO	November 2049	NTL(PAC/AD)	11,773,321	0.93828067	5,523,339	49.999957531	II
16	Ginnie Mae	2019-152	TM(3)(5)	December 30, 2019	393882BC27	2.5	FIX	November 2049	PAC/AD	20,603,313	0.93828067	19,331,690	100.0000000000	II

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

(2) Underlying Certificate Factors are as of May 2020.

(3) MX Class.

(4) The Interest Rate will be calculated as described under “Terms Sheet — Interest Rates” in the related Underlying Certificate Disclosure Document.

(5) More than 10% of the Mortgage Loans underlying this Underlying Certificate may be higher balance Mortgage Loans. See “Risk Factors” in this Supplement.

(6) Class IO is backed by a previously issued Ginnie Mae MX certificate, as outlined below:

- MX Class DI from 2017-034

(7) Class IS is backed by a previously issued Ginnie Mae REMIC certificate, as outlined below:

- REMIC Class SH from 2018-018

(8) Class OM is backed by a previously issued Ginnie Mae REMIC certificate, which is further backed by previously issued Ginnie Mae REMIC and MX certificates, as outlined below:

- REMIC Class OM from 2018-078, further backed by:
 - REMIC Class SW from 2016-109, further backed by:

- REMIC Class GS from 2016-017, further backed by:
 - REMIC Class JS from 2015-111
 - REMIC Class TY from 2017-133
 - MX Class LB from 2017-186, further backed by:
 - MX Classes CT and ET from 2017-167
 - REMIC Class DQ from 2018-037
- (9) Class BO is backed by a previously issued Ginnie Mae REMIC certificate, as outlined below:
- REMIC Class WL from 2019-070
- (10) Class GO is backed by a previously issued Ginnie Mae REMIC certificate, as outlined below:
- REMIC Class GY from 2016-159
- (11) Class KO is backed by a previously issued Ginnie Mae REMIC certificate, as outlined below:
- REMIC Class CM from 2017-176
- (12) Class MO is backed by a previously issued Ginnie Mae REMIC certificate, as outlined below:
- REMIC Class PE from 2019-072
- (13) Class NO is backed by a previously issued Ginnie Mae REMIC certificate, as outlined below:
- REMIC Class NY from 2016-160
- (14) Class OT is backed by previously issued Ginnie Mae REMIC certificates, which are further backed by previously issued Ginnie Mae REMIC and MX certificates, as outlined below:
- REMIC Classes OT and TO from 2018-006, further backed by:
 - MX Class PO from 2016-168, further backed by:
 - REMIC Class YA from 2016-146
 - REMIC Classes KB, KQ, QK, UA, UI and UK from 2016-160
- (15) Class TO is backed by a previously issued Ginnie Mae REMIC certificate, as outlined below:
- REMIC Class YS from 2013-082
- (16) Class IT is backed by a previously issued Ginnie Mae MX certificate, as outlined below:
- MX Class DI from 2017-077

(17) Class IO is backed by previously issued Ginnie Mae REMIC and MX certificates, which are further backed by previously issued Ginnie Mae MX certificates, as outlined below:

- REMIC Class IQ from 2017-068, further backed by:
 - MX Classes IT and TI from 2016-037
- MX Class IA from 2018-091
- MX Classes HI and IH from 2018-139
- REMIC Class IH and MX Classes IL and IQ from 2019-023
- REMIC Class KI from 2019-041
- REMIC Class IL from 2019-056

(18) Class EY is backed by previously issued Ginnie Mae REMIC and MX certificates, as outlined below:

- REMIC Class QC from 2018-154
- REMIC Class PA from 2019-006
- MX Class CT from 2019-015
- REMIC Class A from 2019-036
- REMIC Classes MP, NK, NP and Z from 2019-052
- REMIC Class GA from 2019-100

(19) Class DL is backed by previously issued Ginnie Mae REMIC and MX certificates, as outlined below:

- REMIC Class CL and MX Class BL from 2016-005



\$1,302,107,813

**Government National
Mortgage Association**

GINNIE MAE[®]

**Guaranteed REMIC Pass-Through Securities
and MX Securities
Ginnie Mae REMIC Trust 2020-062**

OFFERING CIRCULAR SUPPLEMENT
May 22, 2020

**Citigroup
Great Pacific Securities**