

\$1,046,074,382 Government National Mortgage Association

GINNIE MAE®

Guaranteed REMIC Pass-Through Securities and MX Securities Ginnie Mae REMIC Trust 2018-091

The Securities

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

The Ginnie Mae Guaranty

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

The Trust and its Assets

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

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

See “Risk Factors” beginning on page S-15 which highlights some of these risks.

The Sponsor and the Co-Sponsor will offer the securities from time to time in negotiated transactions at varying prices. We expect the closing date to be July 30, 2018.

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 “exempt 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						
FA	\$ 32,735,531	(5)	PT	FLT	38380XTP2	July 2048
IL	555,555	4.50%	NTL(SEQ)	FIX/IO	38380XTQ0	November 2044
LB	50,000,000	3.45	SEQ	FIX	38380XTR8	November 2044
SA	21,735,531	(5)	NTL(PT)	INV/IO	38380XTS6	July 2048
SB	11,000,000	(5)	NTL(PT)	INV/IO	38380XTT4	July 2048
VA(1)	3,663,000	3.50	SEQ/AD	FIX	38380XTU1	October 2029
VB(1)	4,187,000	3.50	SEQ/AD	FIX	38380XTV9	November 2038
VZ(1)	7,621,064	3.50	SEQ	FIX/Z	38380XTW7	July 2048
Security Group 2						
DS	58,683,352	(5)	NTL(PT)	INV/IO	38380XTX5	July 2048
LA	100,000,000	3.50	SEQ	FIX	38380XTY3	June 2047
LV(1)	2,351,470	3.50	SEQ/AD	FIX	38380XTZ0	November 2038
LZ(1)	4,277,839	3.50	SEQ	FIX/Z	38380XUA3	July 2048
PF	108,683,352	(5)	PT	FLT	38380XUB1	July 2048
SD	50,000,000	(5)	NTL(PT)	INV/IO	38380XUC9	July 2048
VL(1)	2,054,043	3.50	AD/SEQ	FIX	38380XUD7	October 2029
Security Group 3						
AF	154,603,230	(5)	PT	FLT	38380XUE5	July 2048
FY(1)	3,180,758	(5)	SUP/AD	FLT/DLY	38380XUF2	July 2048
JM	10,761,000	3.00	PAC	FIX	38380XUG0	January 2047
JN	1,633,000	3.00	PAC	FIX	38380XUH8	July 2048
JU(1)	2,636,755	3.00	SUP/AD	FIX	38380XUJ4	July 2048
LI(1)	59,400,830	(5)	NTL(PT)	INV/IO	38380XUK1	July 2048
NA	100,000,000	4.00	PAC/AD	FIX	38380XUL9	November 2046
NP	8,109,000	4.00	PAC/AD	FIX	38380XUM7	November 2046
NZ(1)	4,625,000	4.00	PAC	FIX/Z	38380XUN5	July 2048
PA	63,549,000	4.00	PAC/AD	FIX	38380XUP0	November 2046
PZ(1)	2,940,000	4.00	PAC	FIX/Z	38380XUQ8	July 2048
QK	727,000	4.00	SCH/AD	FIX	38380XUR6	July 2048
QU	322,765	4.00	SUP/AD	FIX	38380XUS4	July 2048
QZ	1,000	4.00	SCH	FIX/Z	38380XUT2	July 2048
SK(1)	59,400,830	(5)	NTL(PT)	INV/IO	38380XUU9	July 2048
SL(1)	31,184,569	(5)	NTL(PT)	INV/IO	38380XUV7	July 2048
SM(1)	34,613,757	(5)	NTL(PT)	INV/IO	38380XUW5	July 2048
SN(1)	29,404,074	(5)	NTL(PT)	INV/IO	38380XUX3	July 2048
SY(1)	795,189	(5)	SUP/AD	INV/DLY	38380XUY1	July 2048
UZ	1,000	3.00	SUP	FIX/Z	38380XUZ8	July 2048
WF(1)	4,559,200	(5)	SCH/AD	FLT/DLY	38380XVA2	July 2048
WS(1)	1,139,800	(5)	SCH/AD	INV/DLY	38380XVB0	July 2048
WU	2,529,628	4.00	SUP/AD	FIX	38380XVC8	July 2048
WZ	5,000	4.00	SCH	FIX/Z	38380XVD6	July 2048
YF(1)	7,176,800	(5)	SCH/AD	FLT/DLY	38380XVE4	July 2048
YS(1)	1,794,200	(5)	SCH/AD	INV/DLY	38380XVF1	July 2048
YZ	5,000	4.00	SCH	FIX/Z	38380XVG9	July 2048
ZN(1)	375,000	4.00	PAC	FIX/Z	38380XVH7	July 2048
ZQ	1,000	4.00	SUP	FIX/Z	38380XVJ3	July 2048
ZW	1,000	4.00	SUP	FIX/Z	38380XVK0	July 2048
ZY	5,000	4.00	SUP	FIX/Z	38380XVL8	July 2048
Security Group 4						
CA(1)	15,436,000	3.50	PAC I	FIX	38380XVM6	September 2047
CB(1)	1,211,000	3.50	PAC I	FIX	38380XVN4	June 2048
CD(1)	169,000	3.50	PAC I	FIX	38380XVP9	July 2048
DA	16,040,566	7.00	PT	FIX	38380XVQ7	July 2048
GA	2,980,000	3.50	PAC II/AD	FIX	38380XVR5	July 2048
GB	1,589,000	3.50	SUP/AD	FIX	38380XVS3	July 2048
GZ	1,000	3.50	PAC II	FIX/Z	38380XVT1	July 2048
TZ	1,421	3.50	SUP	FIX/Z	38380XVU8	July 2048
Security Group 5						
DB(1)	20,871,247	3.50	PAC I	FIX	38380XVV6	September 2046
DM(1)	2,785,073	3.50	PAC I	FIX	38380XVW4	February 2048
DN(1)	1,076,959	3.50	PAC I	FIX	38380XVX2	July 2048
EP	1,980,000	3.50	PAC II	FIX	38380XVY0	July 2048
EU	2,518,000	3.50	SUP/AD	FIX	38380XVZ7	July 2048
EZ	2,000	3.50	SUP	FIX/Z	38380XWA1	July 2048
FE	29,233,279	(5)	PT	FLT	38380XWB9	July 2048
SE	29,233,279	(5)	NTL(PT)	INV/IO	38380XWC7	July 2048
Security Group 6						
MA(1)	14,687,203	4.00	SC/PT	FIX	38380XWD5	July 2045
MB(1)	17,125,373	4.00	SC/PT	FIX	38380XWE3	October 2039
MI	3,425,074	5.00	NTL(SC/PT)	FIX/IO	38380XWF0	October 2039

(Cover continued on next page)

Class of REMIC Securities	Original Principal Balance(2)	Interest Rate	Principal Type(3)	Interest Type(3)	CUSIP Number	Final Distribution Date(4)
Security Group 7						
MP	\$ 10,067,328	3.00%	SC/PT	FIX	38380XWG8	June 2046
Security Group 8						
BA	10,000,000	3.50	SEQ	FIX	38380XWH6	October 2047
BC	611,978	3.50	SEQ	FIX	38380XWJ2	July 2048
BD(1)	6,168,000	3.50	PAC	FIX	38380XWK9	January 2047
BE(1)	4,354,000	3.50	PAC	FIX	38380XWL7	April 2048
BG(1)	1,012,000	3.50	PAC	FIX	38380XWM5	July 2048
BK(1)	3,469,000	3.50	SCH/AD	FIX	38380XWN3	July 2048
BU(1)	2,662,000	3.50	SUP/AD	FIX	38380XWP8	July 2048
BZ(1)	1,000	3.50	SCH	FIX/Z	38380XWQ6	July 2048
FC	16,320,510	(5)	PT	FLT/DLY	38380XWR4	July 2048
FG(1)	22,667,333	(5)	SEQ	FLT/DLY	38380XWS2	July 2048
GF(1)	5,666,000	(5)	SEQ	FLT/DLY	38380XWT0	March 2030
GS	5,666,000	(5)	NTL(SEQ)	INV/IO/DLY	38380XWU7	March 2030
HA(1)	33,767,000	3.50	PAC	FIX	38380XWV5	February 2045
IO	1,522,827	3.00	NTL(PT)	FIX/IO	38380XWW3	July 2048
SC	2,720,085	(5)	PT	INV/DLY	38380XWX1	July 2048
SG	22,667,333	(5)	NTL(SEQ)	INV/IO/DLY	38380XWY9	July 2048
ZB(1)	1,000	3.50	SUP	FIX/Z	38380XWZ6	July 2048
Security Group 9						
AB(1)	32,135,324	4.00	SEQ	FIX	38380XXA0	February 2045
AX(1)	3,795,664	4.00	SEQ	FIX	38380XXB8	August 2046
AY(1)	5,484,726	4.00	SEQ	FIX	38380XXC6	July 2048
FT	27,352,335	(5)	PT	FLT	38380XXD4	July 2048
GC(1)	22,666,485	3.50	PAC	FIX	38380XXE2	February 2046
GP	2,671,000	3.50	SCH	FIX	38380XXF9	July 2048
GQ(1)	3,374,848	3.50	PAC	FIX	38380XXG7	August 2047
GT	1,000,000	4.00	SUP/AD	FIX	38380XXH5	July 2048
GU	1,000,000	3.00	SUP/AD	FIX	38380XXJ1	July 2048
GW	996,000	3.50	SUP/AD	FIX	38380XXK8	July 2048
GY(1)	2,286,260	3.50	PAC	FIX	38380XXL6	July 2048
ST	27,352,335	(5)	NTL(PT)	INV/IO	38380XXM4	July 2048
ZG	2,221	3.50	SUP	FIX/Z	38380XXN2	July 2048
Security Group 10						
QS	23,738,689	(5)	NTL(SC/PT)	INV/IO	38380XXP7	July 2048
Security Group 11						
JA(1)	9,064,540	3.00	SC/SEQ/AD	FIX	38380XXQ5	November 2047
JZ	1,000	3.00	SC/SEQ	FIX/Z	38380XXR3	November 2047
Residuals						
RR	0	0.00	NPR	NPR	38380XXS1	July 2048
R10	0	0.00	NPR	NPR	38380XXT9	July 2048

- (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 6, 7, 10 and 11 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>.

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

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

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TERMS SHEET

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

Sponsor: Citigroup Global Markets Inc.

Co-Sponsor: Academy Securities, Inc.

Trustee: U.S. Bank National Association

Tax Administrator: The Trustee

Closing Date: July 30, 2018

Distribution Date: The 20th day of each month or, if the 20th day is not a Business Day, the first Business Day thereafter, commencing in August 2018.

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>
1A	Ginnie Mae II	4.5%	30
1B	Ginnie Mae II	4.5%	30
2A	Ginnie Mae II	5.0%	30
2B	Ginnie Mae II	5.0%	30
3A	Ginnie Mae II	5.0%	30
3B	Ginnie Mae II	5.0%	30
3C	Ginnie Mae II	5.0%	30
3D	Ginnie Mae II	5.0%	30
3E	Ginnie Mae II	5.0%	30
3F	Ginnie Mae II	5.0%	30
3G	Ginnie Mae II	5.0%	30
3H	Ginnie Mae II	5.0%	30
3I	Ginnie Mae II	5.0%	30
3J	Ginnie Mae II	5.0%	30
4	Ginnie Mae II	5.0%	30
5	Ginnie Mae II	5.0%	30
6A	Underlying Certificates	(1)	(1)
6B	Underlying Certificate	(1)	(1)
7	Underlying Certificates	(1)	(1)
8A	Ginnie Mae II	6.5%	30
8B	Ginnie Mae II	5.0%	30
8C	Ginnie Mae II	4.5%	30
9A	Ginnie Mae II	4.5%	30
9B	Ginnie Mae II	4.5%	30
10	Underlying Certificates	(1)	(1)
11	Underlying Certificates	(1)	(1)

- (1) Certain information regarding the Underlying Certificates is set forth in Exhibit A to this Supplement.
- (2) The Group 1, 2, 3, 6, 8 and 9 Trust Assets consist of subgroups, Subgroups 1A, 1B, 2A, 2B, 3A, 3B, 3C, 3D, 3E, 3F, 3G, 3H, 3I, 3J, 6A, 6B, 8A, 8B, 8C, 9A and 9B (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 3 and 11, payments on each Group will be based solely on payments on the Trust Asset Group with the same numerical designation.

Assumed Characteristics of the Mortgage Loans Underlying the Group 1, 2, 3, 4, 5, 8 and 9 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>
Subgroup 1A Trust Assets			
\$65,206,595	357	2	4.991%
Subgroup 1B Trust Assets			
\$33,000,000	357	2	4.991%
Subgroup 2A Trust Assets			
\$100,000,000	357	2	5.431%
Subgroup 2B Trust Assets			
\$117,366,704	357	2	5.431%
Subgroup 3A Trust Assets			
\$35,074,095	358	1	5.400%
Subgroup 3B Trust Assets			
\$56,436,375	358	1	5.400%
Subgroup 3C Trust Assets			
\$15,892,941	358	1	5.400%
Subgroup 3D Trust Assets			
\$26,066,911	358	1	5.400%
Subgroup 3E Trust Assets			
\$27,961,424	358	1	5.400%
Subgroup 3F Trust Assets			
\$36,534,393	358	1	5.400%
Subgroup 3G Trust Assets			
\$3,607,186	358	1	5.400%
Subgroup 3H Trust Assets			
\$50,000,000	358	1	5.400%
Subgroup 3I Trust Assets			
\$50,000,000	358	1	5.400%
Subgroup 3J Trust Assets			
\$69,903,000	358	1	5.400%

<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 4 Trust Assets			
\$37,427,987	357	3	5.486%
Group 5 Trust Assets			
\$58,466,558	359	1	5.455%
Subgroup 8A Trust Assets			
\$4,919,906	203	148	6.930%
Subgroup 8B Trust Assets			
\$19,500,000	358	1	5.400%
Subgroup 8C Trust Assets			
\$85,000,000	359	1	4.900%
Subgroup 9A Trust Assets			
\$50,995,221	357	1	4.951%
Subgroup 9B Trust Assets			
\$51,769,642	359	1	4.944%

⁽¹⁾ As of July 1, 2018.

⁽²⁾ The Mortgage Loans underlying the Group 1, 2, 3, 4, 5, 8 and 9 Trust Assets may bear interest at rates ranging from 0.25% to 1.50% per annum above the related Certificate Rate.

The actual remaining terms to maturity, loan ages and Mortgage Rates of many of the Mortgage Loans underlying the Group 1, 2, 3, 4, 5, 8 and 9 Trust Assets will differ from the weighted averages shown above, perhaps significantly. See *“The Trust Assets — The Mortgage Loans” in this Supplement.*

Characteristics of the Mortgage Loans Underlying the Group 6, 7, 10 and 11 Trust Assets: See Exhibit A to this Supplement for certain information regarding the characteristics of the Mortgage Loans included in the related Underlying Trusts.

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

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

Increased Minimum Denomination Classes: Each Class that constitutes an Interest Only or Inverse Floating Rate 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>
AF	LIBOR + 0.25%	2.32750%	0.25%	6.50%	0	0.00%
BF	LIBOR + 0.30%	2.37425%	0.30%	6.50%	19	0.00%
DS	6.20% – LIBOR	4.18703%	0.00%	6.20%	0	6.20%
FA	LIBOR + 0.35%	2.43625%	0.35%	6.50%	0	0.00%
FC	LIBOR + 0.30%	2.37425%	0.30%	6.50%	19	0.00%
FE	LIBOR + 0.25%	2.33360%	0.25%	6.50%	0	0.00%
FG	LIBOR + 0.30%	2.37425%	0.30%	6.50%	19	0.00%
FT	LIBOR + 0.30%	2.37420%	0.30%	6.50%	0	0.00%
FY	LIBOR + 1.00%	3.07750%	1.00%	5.00%	19	0.00%
GF	LIBOR + 0.30%	2.37425%	0.30%	6.50%	19	0.00%
GS	6.20% – LIBOR	4.12575%	0.00%	6.20%	19	6.20%
KF	LIBOR + 1.00%	3.07750%	1.00%	5.00%	19	0.00%
KS	16.00% – (LIBOR × 4.00)	7.69000%	0.00%	16.00%	19	4.00%
LI	6.25% – LIBOR	0.05000%	0.00%	0.05%	0	6.25%
PF	LIBOR + 0.30%	2.31297%	0.30%	6.50%	0	0.00%
QS	6.15% – LIBOR	4.06375%	0.00%	6.15%	0	6.15%
SA	6.15% – LIBOR	4.06375%	0.00%	6.15%	0	6.15%
SB	6.15% – LIBOR	4.06375%	0.00%	6.15%	0	6.15%
SC	37.20% – (LIBOR × 6.00)	24.75450%	0.00%	37.20%	19	6.20%
SD	6.20% – LIBOR	4.18703%	0.00%	6.20%	0	6.20%
SE	6.25% – LIBOR	4.16640%	0.00%	6.25%	0	6.25%
SG	6.20% – LIBOR	4.12575%	0.00%	6.20%	19	6.20%
SH	6.25% – LIBOR	4.17250%	0.00%	6.25%	0	6.25%
SJ	6.25% – LIBOR	4.17250%	0.00%	6.25%	0	6.25%
SK	6.20% – LIBOR	4.12250%	0.00%	6.20%	0	6.20%
SL	6.25% – LIBOR	4.17250%	0.00%	6.25%	0	6.25%
SM	6.25% – LIBOR	4.17250%	0.00%	6.25%	0	6.25%
SN	6.25% – LIBOR	4.17250%	0.00%	6.25%	0	6.25%
ST	6.20% – LIBOR	4.12580%	0.00%	6.20%	0	6.20%
SY	16.00% – (LIBOR × 4.00)	7.69000%	0.00%	16.00%	19	4.00%
WF	LIBOR + 1.00%	3.07750%	1.00%	5.00%	19	0.00%
WS	16.00% – (LIBOR × 4.00)	7.69000%	0.00%	16.00%	19	4.00%
YF	LIBOR + 1.00%	3.07750%	1.00%	5.00%	19	0.00%
YS	16.00% – (LIBOR × 4.00)	7.69000%	0.00%	16.00%	19	4.00%

- (1) LIBOR will be established on the basis of the ICE LIBOR method, as described under “Description of the Securities — Interest Distributions — Floating Rate and Inverse Floating Rate Classes” in this Supplement.
- (2) The initial Interest Rate will be in effect during the first Accrual Period; the Interest Rate will adjust monthly thereafter.

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

SECURITY GROUP 1

The Group 1 Principal Distribution Amount and the VZ Accrual Amount will be allocated as follows:

- The VZ Accrual Amount, sequentially, to VA, VB and VZ, in that order, until retired
- The Group 1 Principal Distribution Amount, concurrently, as follows:
 1. 33.3333326545% to FA, until retired
 2. 66.6666673455%, sequentially, to LB, VA, VB and VZ, in that order, until retired

SECURITY GROUP 2

The Group 2 Principal Distribution Amount and the LZ Accrual Amount will be allocated as follows:

- The LZ Accrual Amount, sequentially, to VL, LV and LZ, in that order, until retired
- The Group 2 Principal Distribution Amount, concurrently, as follows:
 1. 50% to PF, until retired
 2. 50%, sequentially, to LA, VL, LV and LZ, in that order, until retired

SECURITY GROUP 3

The Subgroup 3A Principal Distribution Amount, the Subgroup 3B Principal Distribution Amount, the Subgroup 3C Principal Distribution Amount, the Subgroup 3D Principal Distribution Amount, the Subgroup 3E Principal Distribution Amount, the Subgroup 3F Principal Distribution Amount, the Subgroup 3G Principal Distribution Amount, the Subgroup 3H Principal Distribution Amount, the Subgroup 3I Principal Distribution Amount, the Subgroup 3J Principal Distribution Amount, the NZ Accrual Amount, the PZ Accrual Amount, the QZ Accrual Amount, the UZ Accrual Amount, the WZ Accrual Amount, the YZ Accrual Amount, the ZN Accrual Amount, the ZQ Accrual Amount, the ZW Accrual Amount and the ZY Accrual Amount will be allocated as follows:

- The NZ Accrual Amount, sequentially, to NA and NZ, in that order, until retired
- The PZ Accrual Amount, sequentially, to PA and PZ, in that order, until retired
- The QZ Accrual Amount, sequentially, to QK and QZ, in that order, until retired
- The UZ Accrual Amount, sequentially, to JU and UZ, in that order, until retired
- The WZ Accrual Amount in the following order of priority:
 1. Concurrently, to WF and WS, pro rata, until retired
 2. To WZ, until retired
- The YZ Accrual Amount in the following order of priority:
 1. Concurrently, to YF and YS, pro rata, until retired
 2. To YZ, until retired
- The ZN Accrual Amount, sequentially, to NP and ZN, in that order, until retired

- The ZQ Accrual Amount, sequentially, to QU and ZQ, in that order, until retired
- The ZW Accrual Amount, sequentially, to WU and ZW, in that order, until retired
- The ZY Accrual Amount in the following order of priority:
 1. Concurrently, to FY and SY, pro rata, until retired
 2. To ZY, until retired
- 57.1428571429% of the Subgroup 3A Principal Distribution Amount, 40% of the Subgroup 3B Principal Distribution Amount, 39.9999974832% of the Subgroup 3C Principal Distribution Amount, 39.9999984655% of the Subgroup 3D Principal Distribution Amount, 39.9999978542% of the Subgroup 3E Principal Distribution Amount, 39.9999994526% of the Subgroup 3F Principal Distribution Amount, 39.9999889110% of the Subgroup 3G Principal Distribution Amount, 40% of the Subgroup 3H Principal Distribution Amount, 40% of the Subgroup 3I Principal Distribution Amount and 40% of the Subgroup 3J Principal Distribution Amount to AF, until retired
- The remainder of the Subgroup 3A Principal Distribution Amount in the following order of priority:
 1. Sequentially, to JM and JN, in that order, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date
 2. Sequentially, to JU and UZ, in that order, until retired
 3. Sequentially, to JM and JN, in that order, without regard to their Aggregate Scheduled Principal Balance, until retired
- The remainder of the Subgroup 3B Principal Distribution Amount, the remainder of the Subgroup 3E Principal Distribution Amount, the remainder of the Subgroup 3F Principal Distribution Amount and the remainder of the Subgroup 3G Principal Distribution Amount in the following order of priority:
 1. Sequentially, to PA and PZ, in that order, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date
 2. To WF, WS and WZ, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date in the following order of priority:
 - a. Concurrently, to WF and WS, pro rata, until retired
 - b. To WZ, until retired
 3. Sequentially, to WU and ZW, in that order, until retired
 4. To WF, WS and WZ, in the same manner and priority as step 2, without regard to their Aggregate Scheduled Principal Balance, until retired
 5. Sequentially, to PA and PZ, in that order, without regard to their Aggregate Scheduled Principal Balance, until retired
- The remainder of the Subgroup 3C Principal Distribution Amount in the following order of priority:
 1. Sequentially, to NP and ZN, in that order, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date
 2. Sequentially, to QK and QZ, in that order, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date
 3. Sequentially, to QU and ZQ, in that order, until retired

4. Sequentially, to QK and QZ, in that order, without regard to their Aggregate Scheduled Principal Balance, until retired

5. Sequentially, to NP and ZN, in that order, without regard to their Aggregate Scheduled Principal Balance, until retired

- The remainder of the Subgroup 3D Principal Distribution Amount, the remainder of the Subgroup 3H Principal Distribution Amount, the remainder of the Subgroup 3I Principal Distribution Amount and the remainder of the Subgroup 3J Principal Distribution Amount in the following order of priority:

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

2. To YF, YS and YZ, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date in the following order of priority:

- a. Concurrently, to YF and YS, pro rata, until retired
- b. To YZ, until retired

3. Concurrently, to FY and SY, pro rata, until retired

4. To ZY, until retired

5. To YF, YS and YZ, in the same manner and priority as step 2, without regard to their Aggregate Scheduled Principal Balance, until retired

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

SECURITY GROUP 4

The Group 4 Principal Distribution Amount, the GZ Accrual Amount and the TZ Accrual Amount will be allocated as follows:

- The GZ Accrual Amount, sequentially, to GA and GZ, in that order, until retired
- The TZ Accrual Amount, sequentially, to GB and TZ, in that order, until retired
- The Group 4 Principal Distribution Amount, concurrently, as follows:

1. 42.8571432388% to DA, until retired

2. 57.1428567612% in the following order of priority:

a. Sequentially, to CA, CB and CD, in that order, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date

b. Sequentially, to GA and GZ, in that order, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date

c. Sequentially, to GB and TZ, in that order, until retired

d. Sequentially, to GA and GZ, in that order, without regard to their Aggregate Scheduled Principal Balance, until retired

e. Sequentially, to CA, CB and CD, in that order, without regard to their Aggregate Scheduled Principal Balance, until retired

SECURITY GROUP 5

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

- The EZ Accrual Amount, sequentially, to EU and EZ, in that order, until retired
- The Group 5 Principal Distribution Amount, concurrently, as follows:
 1. 50% to FE, until retired
 2. 50% in the following order of priority:
 - a. Sequentially, to DB, DM and DN, in that order, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date
 - b. To EP, until reduced to its Scheduled Principal Balance for that Distribution Date
 - c. Sequentially, to EU and EZ, in that order, until retired
 - d. To EP, without regard to its Scheduled Principal Balance, until retired
 - e. Sequentially, to DB, DM and DN, in that order, without regard to their Aggregate Scheduled Principal Balance, until retired

SECURITY GROUP 6

The Subgroup 6A Principal Distribution Amount and the Subgroup 6B Principal Distribution Amount will be allocated as follows:

- The Subgroup 6A Principal Distribution Amount to MA, until retired
- The Subgroup 6B Principal Distribution Amount to MB, until retired

SECURITY GROUP 7

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

SECURITY GROUP 8

The Subgroup 8A Principal Distribution Amount, the Subgroup 8B Principal Distribution Amount, the Subgroup 8C Principal Distribution Amount, the BZ Accrual Amount and the ZB Accrual Amount will be allocated as follows:

- The BZ Accrual Amount, sequentially, to BK and BZ, in that order, until retired
- The ZB Accrual Amount, sequentially, to BU and ZB, in that order, until retired
- The Subgroup 8A Principal Distribution Amount and 72.4137897436% of the Subgroup 8B Principal Distribution Amount, concurrently, to FC and SC, pro rata, until retired
- The remainder of the Subgroup 8B Principal Distribution Amount and 66.6666670588% of the Subgroup 8C Principal Distribution Amount, concurrently, as follows:
 1. 17.1034099906%, sequentially, to BA and BC, in that order, until retired
 2. 82.8965900094% in the following order of priority:
 - a. Sequentially, to HA, BD, BE and BG, in that order, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date

b. Sequentially, to BK and BZ, in that order, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date

c. Sequentially, to BU and ZB, in that order, until retired

d. Sequentially, to BK and BZ, in that order, without regard to their Aggregate Scheduled Principal Balance, until retired

e. Sequentially, to HA, BD, BE and BG, in that order, without regard to their Aggregate Scheduled Principal Balance, until retired

- The remainder of the Subgroup 8C Principal Distribution Amount, sequentially, to GF and FG, in that order, until retired

SECURITY GROUP 9

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

- The ZG Accrual Amount in the following order of priority:
 1. Concurrently, to GT, GU and GW, pro rata, until retired
 2. To ZG, until retired
- 33.3333333333% of the Subgroup 9A Distribution Amount and 19.9999992273% of the Subgroup 9B Distribution Amount to FT, until retired
- The remainder of the Subgroup 9A Principal Distribution Amount in the following order of priority:
 1. Sequentially, to GC, GQ and GY, in that order, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date
 2. To GP, until reduced to its Scheduled Principal Balance for that Distribution Date
 3. Concurrently, to GT, GU and GW, pro rata, until retired
 4. To ZG, until retired
 5. To GP, without regard to its Scheduled Principal Balance, until retired
 6. Sequentially, to GC, GQ and GY, in that order, without regard to their Aggregate Scheduled Principal Balance, until retired
- The remainder of the Subgroup 9B Principal Distribution Amount, sequentially, to AB, AX and AY, in that order, until retired

SECURITY GROUP 11

The Group 11 Principal Distribution Amount and the JZ Accrual Amount, sequentially, to JA and JZ, in that order, until retired

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

	<u>Structuring Ranges</u>
PAC Classes	
BD, BE, BG and HA (in the aggregate)	175% PSA through 250% PSA
GC, GQ and GY (in the aggregate)	150% PSA through 250% PSA
JM and JN (in the aggregate)	180% PSA through 300% PSA
NA and NZ (in the aggregate)	200% PSA through 275% PSA
NP and ZN (in the aggregate)	200% PSA through 275% PSA
PA and PZ (in the aggregate)	200% PSA through 275% PSA
PAC I Classes	
CA, CB and CD (in the aggregate)	175% PSA through 325% PSA
DB, DM and DN (in the aggregate)	175% PSA through 275% PSA
PAC II Classes	
EP	215% PSA through 275% PSA
GA and GZ (in the aggregate)	265% PSA through 325% PSA
Scheduled Classes	
BK and BZ (in the aggregate)	215% PSA through 250% PSA
GP	195% PSA through 250% PSA
QK and QZ (in the aggregate)	250% PSA through 275% PSA
WF, WS and WZ (in the aggregate)	250% PSA through 275% PSA
YF, YS and YZ (in the aggregate)	250% 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:

Class	Original Class Notional Balance	Represents Approximately
AI	\$ 7,141,183	22.2222222222% of AB (SEQ Class)
BI	9,203,492	22.2222222222% of AB, AX and AY (in the aggregate) (SEQ Classes)
DI	4,174,249	20% of DB (PAC I Class)
DS	58,683,352	50% of the Subgroup 2B Trust Assets
EI	4,731,264	20% of DB and DM (in the aggregate) (PAC I Classes)
GI	5,036,996	22.2222222222% of GC (PAC Class)
GS	5,666,000	100% of GF (SEQ Class)
HI	7,503,777	22.2222222222% of HA (PAC Class)
IA	7,984,664	22.2222222222% of AB and AX (in the aggregate) (SEQ Classes)
IE	4,946,655	20% of DB, DM and DN (in the aggregate) (PAC I Classes)
IG	5,786,962	22.2222222222% of GC and GQ (in the aggregate) (PAC Classes)
IH	8,874,444	22.2222222222% of BD and HA (in the aggregate) (PAC Classes)
IL	555,555	1.1111111111% of LB (SEQ Class)
IM	9,543,772	30% of MA and MB (in the aggregate) (SC/PT Classes)
IO	1,522,827	30.9523783333% of the Subgroup 8A Trust Assets
JI	6,295,020	22.2222222222% of GC, GQ and GY (in the aggregate) (PAC Classes)
LI	\$ 20,042,340	57.1428571429% of the Subgroup 3A Trust Assets
	22,574,550	40% of the Subgroup 3B Trust Assets
	6,357,176	39.999974832% of the Subgroup 3C Trust Assets
	10,426,764	39.999984655% of the Subgroup 3D Trust Assets
	<u>\$ 59,400,830</u>	
MI	\$ 3,425,074	20% of the Subgroup 6B Trust Assets
QS	23,738,689	100% of the Group 10 Trust Assets
SA	21,735,531	33.3333333333% of the Subgroup 1A Trust Assets
SB	11,000,000	33.3333333333% of the Subgroup 1B Trust Assets
SD	50,000,000	50% of the Subgroup 2A Trust Assets
SE	29,233,279	100% of FE (PT Class)
SG	22,667,333	100% of FG (SEQ Class)
SH	\$ 11,184,569	39.999978542% of the Subgroup 3E Trust Assets
	14,613,757	39.999994526% of the Subgroup 3F Trust Assets
	1,442,874	39.999889110% of the Subgroup 3G Trust Assets
	20,000,000	40% of the Subgroup 3H Trust Assets
	20,000,000	40% of the Subgroup 3I Trust Assets
	27,961,200	40% of the Subgroup 3J Trust Assets
	<u>\$ 95,202,400</u>	
SJ	\$ 20,042,340	57.1428571429% of the Subgroup 3A Trust Assets
	22,574,550	40% of the Subgroup 3B Trust Assets
	6,357,176	39.999974832% of the Subgroup 3C Trust Assets
	10,426,764	39.999984655% of the Subgroup 3D Trust Assets
	<u>\$ 59,400,830</u>	

<u>Class</u>	<u>Original Class Notional Balance</u>	<u>Represents Approximately</u>
SK	\$ 20,042,340	57.1428571429% of the Subgroup 3A Trust Assets
	22,574,550	40% of the Subgroup 3B Trust Assets
	6,357,176	39.9999974832% of the Subgroup 3C Trust Assets
	10,426,764	39.9999984655% of the Subgroup 3D Trust Assets
	<u>\$ 59,400,830</u>	
SL	\$ 11,184,569	39.9999978542% of the Subgroup 3E Trust Assets
	20,000,000	40% of the Subgroup 3H Trust Assets
	<u>\$ 31,184,569</u>	
SM	\$ 14,613,757	39.9999994526% of the Subgroup 3F Trust Assets
	20,000,000	40% of the Subgroup 3I Trust Assets
	<u>\$ 34,613,757</u>	
SN	\$ 1,442,874	39.9999889110% of the Subgroup 3G Trust Assets
	27,961,200	40% of the Subgroup 3J Trust Assets
	<u>\$ 29,404,074</u>	
ST	\$ 27,352,335	100% of FT (PT Class)
TI	9,842,000	22.2222222222% of BD, BE and HA (in the aggregate) (PAC Classes)

Tax Status: Double REMIC Series as to the Group 1, 2, 3, 4, 5, 6, 7, 8, 9 and 11 Trust Assets and Single REMIC Series as to the Group 10 Trust Assets (the “Group 10 REMIC”). Separate REMIC elections will be made as to the Group 10 REMIC and the Issuing REMIC and the Pooling REMIC with respect to the Group 1, 2, 3, 4, 5, 6, 7, 8, 9 and 11 Trust Assets (the “Group 1, 2, 3, 4, 5, 6, 7, 8, 9 and 11 Issuing REMIC” and the “Group 1, 2, 3, 4, 5, 6, 7, 8, 9 and 11 Pooling REMIC,” respectively). *See “Certain United States Federal Income Tax Consequences” in this Supplement and in the Base Offering Circular.*

Regular and Residual Classes: Classes RR and R10 are Residual Classes. Class RR represents the Residual Interest of the Group 1, 2, 3, 4, 5, 6, 7, 8, 9 and 11 Issuing and Pooling REMICs. Class R10 represents the Residual Interest of the Group 10 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 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 and may lead to a general economic downturn in the affected regions, including job losses and declines in real estate values. A general economic downturn may increase the rate of defaults on the mortgage loans in such areas resulting in prepayments on the related securities due to governmental mortgage insurance claim payments, loss mitigation arrangements, repurchases or liquidations of defaulted mortgage loans. Insurance payments on damaged or destroyed homes may also lead to prepayments on the underlying mortgage loans. Further, in connection with presidentially declared major disasters, Ginnie Mae may authorize optional special assistance to issuers, including expanded buyout authority which allows issuers, upon receiving written approval from Ginnie Mae, to repurchase eligible loans from the related pool underlying a Ginnie Mae MBS certificate, even if such loans are not delinquent or do not otherwise meet the standard conditions for removal or repurchase.

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

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

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

- you bought your securities at a discount and principal payments are slower than you expected.

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

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

The level of LIBOR will affect the yields on floating rate and inverse floating rate securities. If LIBOR performs differently from what you expect, the yield on your 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. 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 and scheduled 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 related PAC and scheduled 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 6, 7, 10 and 11 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 group 11 are classes that provide support to other classes, and they are 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, these underlying certificates 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 certain of the underlying certificates included in trust asset groups 6 and 7 on any payment date are calculated 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 asset underlying a certain underlying certificate included in trust asset subgroup 6A is also a previously issued certificate that represents beneficial ownership interests in a separate trust. The rate of payments on the previously issued certificate backing this underlying certificate will directly affect the timing and rate of payments on the group 6 securities. You should read the related underlying certificate disclosure document, including the risk factors contained therein, to understand the payments on and related risks of the previously issued certificate backing this underlying certificate.

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

Up to 10% of the mortgage loans underlying the group 1, 2, 3, 4, 5, 7, 8, 9, 10 and 11 and subgroup 6B trust assets and up to 100% of the mortgage loans underlying the

subgroup 6A 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, or elimination of, LIBOR could adversely affect your investment in the securities. 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 (“IBA”) 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 assured that LIBOR will survive in its current form, or at all. In the event IBA ceases to set or publish a rate for LIBOR, the Trustee shall propose a new index for approval by Ginnie Mae based upon comparable information and methodology. The Trustee shall propose an alternative index only if it receives an opinion of counsel that the selection of such alternative index will not cause the related Trust REMIC or REMICs to lose their classification as REMICs for United States federal income tax purposes. The effect of the FCA’s decision not to sustain LIBOR, or, if changes are ultimately made to LIBOR, the effect of those changes, cannot be predicted. In addition, it cannot be predicted what alternative

index would be chosen should this occur. If LIBOR in its current form does not survive or if an alternative index is chosen, the market value and/or liquidity of securities with distributions or interest rates based on LIBOR could be adversely affected.

The securities may not be a suitable investment for you. The securities, especially the group 6, 7, 10 and 11 securities and, in particular, the support, interest only, inverse floating rate, 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 Underlying Certificates, will evidence, directly or indirectly, Ginnie Mae Certificates.

The Trust MBS (Groups 1, 2, 3, 4, 5, 8 and 9)

The Trust MBS are either:

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

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

The Underlying Certificates (Groups 6, 7, 10 and 11)

The Group 6, 7, 10 and 11 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, except in the case of Ginnie Mae 2018-091 Class SB, for which this Supplement is the Underlying Certificate Disclosure Document. 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 table also sets forth information regarding approximate weighted average remaining terms to maturity, loan ages and mortgage rates of the Mortgage Loans underlying the related Ginnie Mae Certificates.

The Mortgage Loans

The Mortgage Loans underlying the Group 1, 2, 3, 4, 5, 8 and 9 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, 8 and 9 Trust Assets” and the general characteristics described in the Base Offering Circular. The Mortgage Loans underlying the Underlying Certificates are expected to have, on a weighted average basis, the characteristics set forth in Exhibit A to this Supplement. The Mortgage Loans will consist of first lien, single-family, fixed rate, residential mortgage loans that are insured or guaranteed by the Federal Housing Administration, the United States Department of Veterans Affairs, Rural Development (formerly the Rural Housing Service) or the United States Department of Housing and Urban Development (“HUD”). *See “The Ginnie Mae Certificates — General” in the Base Offering Circular.*

Specific information regarding the characteristics of the Mortgage Loans underlying the Trust MBS is not available. For purposes of this Supplement, certain assumptions have been made regarding the

remaining terms to maturity, loan ages and Mortgage Rates of the Mortgage Loans underlying the Trust MBS. However, the actual remaining terms to maturity, loan ages and Mortgage Rates of many of the Mortgage Loans will differ from the characteristics assumed, perhaps significantly. This will be the case even if the weighted average characteristics of the Mortgage Loans are the same as the assumed characteristics. Small differences in the characteristics of the Mortgage Loans can have a significant effect on the Weighted Average Lives and yields of the Securities. *See “Risk Factors” and “Yield, Maturity and Prepayment Considerations” in this Supplement.*

The Trustee Fee

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

GINNIE MAE GUARANTY

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

DESCRIPTION OF THE SECURITIES

General

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

Form of Securities

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

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

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

Distributions

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

Interest Distributions

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

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

Categories of Classes

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

Accrual Periods

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

<u>Class</u>	<u>Accrual Period</u>
Fixed Rate and Delay Classes	The calendar month preceding the related Distribution Date
Floating Rate and Inverse Floating Rate Classes other than Delay 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 — ICE LIBOR” in the Base Offering Circular. In the case of the Group 10 Securities, the Trustee will use the same values of LIBOR as are used for the related Underlying Certificates (which will be determined on the basis of the ICE LIBOR method).

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.

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 from Ginnie Mae’s Multiclass Securities e-Access located on Ginnie Mae’s website (“e-Access”) or by calling the Information Agent at (800) 234-GNMA.

Accrual Classes

Each of Classes BZ, EZ, GZ, JZ, LZ, NZ, PZ, QZ, TZ, UZ, VZ, WZ, YZ, ZB, ZG, ZN, ZQ, ZW 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 Group 1, 2, 3, 4, 5, 6, 7, 8, 9 and 11 Issuing REMIC and the beneficial ownership of the Residual Interest in the Group 1, 2, 3, 4, 5, 6, 7, 8, 9 and 11 Pooling REMIC, as described in “Certain United States Federal Income Tax Consequences” in the Base Offering Circular. The Class R10 Securities will represent the beneficial ownership of the Residual Interest in the Group 10 REMIC, as described in “Certain United

States Federal Income Tax Consequences” in the Base Offering Circular. The Class RR and R10 Securities have no Class Principal Balance and do not accrue interest. The Class RR and R10 Securities will be entitled to receive the proceeds of the disposition of any assets remaining in the related Trust REMICs after the Class Principal Balance or Class Notional Balance of each Class of Regular Securities in the related Security Group or Groups has been reduced to zero. However, any remaining proceeds are not likely to be significant. The Residual Securities may not be transferred to a Plan Investor, a Non-U.S. Person or a Disqualified Organization.

Class Factors

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

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

Termination

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

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

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

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

With respect to Security Group 10, a Holder of all of the outstanding Regular Securities of such Security Group and the related Class of Residual Securities shall have the right to purchase the related Trust Assets upon three Business Days' notice (the "Notice Period"). The purchase shall be for cash in an amount equal to (A) accrued interest on the Securities of such Security Group, less (B) amounts on deposit in the related Trust REMIC, for distribution on the Securities of such Security Group, plus (C) a \$5,000 termination fee payable to the Trustee in connection with each Security Group to be terminated. After the Notice Period, and upon such purchase, the Trustee will terminate the related Trust REMIC. Upon such termination, the Trustee will distribute the cash proceeds of the sale of the related Trust Assets to the Holder of the related Securities (which distribution may be offset against amounts due on the sale of such assets), will cancel the Securities of the related Security Group and cause the removal from the Book-Entry Depository Account of all Classes of the related Security Group, will cancel the related Class of Residual Securities, and will credit the remaining Trust Assets in the related Security Group to the account of the surrendering Holder.

Notwithstanding anything to the contrary contained herein, no such termination will be allowed unless the Trustee and Ginnie Mae are provided, at no cost to either the Trustee or Ginnie Mae, an Opinion of Counsel, acceptable to the Trustee and Ginnie Mae, to the effect that such termination constitutes a "qualified liquidation" under the REMIC Provisions, including Section 860F(a)(4) of the Code, and such termination will not result in a disqualification of any Trust REMIC that is not terminated at such time or the imposition of any "prohibited transactions" or "contributions" tax under the REMIC Provisions on any Trust REMIC that is not terminated at such time.

Modification and Exchange

All or a portion of the Classes of REMIC Securities specified on the front cover may be exchanged for a proportionate interest in the related MX Class or Classes shown on Schedule I to this Supplement. Similarly, all or a portion of the related MX Class or Classes may be exchanged for proportionate interests in the related Class or Classes of REMIC Securities and, in the case of Combinations 12, 13, 14, 15, 17, 18, 19, 22, 23, 24, 25, 26 and 27, 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 12, 13, 14, 15, 17, 18, 19, 22, 23, 24, 25, 26 and 27, the related REMIC Securities may be exchanged for proportionate interests in various subcombinations of MX Classes. Similarly, all or a portion of these MX Classes may be exchanged for proportionate interests in the related REMIC Securities or in other subcombinations of the related MX Classes. Each subcombination may be effected only in proportions that result in the principal and interest entitlements of the Securities received being equal to the entitlements of the Securities surrendered. *See the example under "Description of the Securities — Modification and Exchange" in the Base Offering Circular.*

A Beneficial Owner proposing to effect an exchange must notify the Trustee through the Beneficial Owner's Book-Entry Depository participant. This notice must be received by the Trustee not later than

two Business Days before the proposed exchange date. The exchange date can be any Business Day other than the last Business Day of the month. The notice must contain the outstanding principal or notional balances of the Securities to be included in the exchange and the proposed exchange date. The notice is required to be delivered to the Trustee by email to USBGNMATEam@USBank.com or in writing at its Corporate Trust Office at U.S. Bank National Association, One Federal Street, 3rd Floor, Boston, MA 02110, Attention: Ginnie Mae REMIC Program Agency Group 2018-091. The Trustee may be contacted by telephone at (617) 603-6451 and by fax at (617) 603-6644.

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

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

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

YIELD, MATURITY AND PREPAYMENT CONSIDERATIONS

General

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

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

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

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

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

The terms of the Mortgage Loans may be modified to permit, among other things, a partial release of security, which releases a portion of the mortgaged property from the lien securing the related Mort-

gage 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 6, 7, 10 and 11 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 6, 7, 10 and 11 securities*” in this Supplement.

Accretion Directed Classes

Classes BK, BU, EU, FY, GA, GB, GT, GU, GW, JA, JU, LV, NA, NP, PA, QK, QU, SY, VA, VB, VL, WF, WS, WU, YF and YS 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 the Accretion Directed Classes (other than Class VL) has the AD designation in the suffix position, rather than the prefix position, in its class principal type because it does not have principal payment stability through the applicable pricing prepayment assumption. Classes LV, VA, VB and VL will have principal payment stability only through the prepayment rate shown in the table below. The remaining Accretion Directed Classes are not listed in the table below because, although they are entitled to receive payments from the related Accrual Amounts, they do not have principal payment stability through any prepayment rate significantly higher than 0% PSA, except within any applicable Effective Ranges.

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

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

Accretion Directed Classes

<u>Class</u>	<u>Maximum Weighted Average Life (in years)⁽¹⁾</u>	<u>Final Distribution Date</u>	<u>Prepayment Rate at or below</u>
LV	16.0	November 2038	152% PSA
VA	6.0	October 2029	186% PSA
VB	16.0	November 2038	61% PSA
VL	6.0	October 2029	339% PSA

⁽¹⁾ The maximum Weighted Average Life for each Class shown in this table is based on the Modeling Assumptions and the assumption that the related Mort-

gage Loans prepay at any constant rate at or below the rate shown in the table for such Class.

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

Securities that Receive Principal on the Basis of Schedules

As described in this Supplement, each PAC and Scheduled 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 and Scheduled 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 and Scheduled Classes are as follows:

	Initial Effective Ranges
PAC Classes	
BD, BE, BG and HA (in the aggregate)	175% PSA through 250% PSA
GC, GQ and GY (in the aggregate)	150% PSA through 250% PSA
JM and JN (in the aggregate)	180% PSA through 300% PSA
NA and NZ (in the aggregate)	200% PSA through 275% PSA
NP and ZN (in the aggregate)	200% PSA through 275% PSA
PA and PZ (in the aggregate)	200% PSA through 275% PSA
PAC I Classes	
CA, CB and CD (in the aggregate)	175% PSA through 325% PSA
DB, DM and DN (in the aggregate)	175% PSA through 275% PSA
PAC II Classes	
EP	215% PSA through 275% PSA
GA and GZ (in the aggregate)	265% PSA through 325% PSA
Scheduled Classes	
BK and BZ (in the aggregate)	215% PSA through 250% PSA
GP	195% PSA through 253% PSA
QK and QZ (in the aggregate)	250% PSA through 275% PSA
WF, WS and WZ (in the aggregate)	250% PSA through 275% PSA
YF, YS and YZ (in the aggregate)	250% PSA through 275% PSA

- The principal payment stability of the PAC Classes will be supported by the related Scheduled and Support Classes.
- The principal payment stability of the PAC I Classes will be supported by the related PAC II and Support Classes.
- The principal payment stability of the PAC II Classes will be supported by the related Support Classes.
- The principal payment stability of the Scheduled Classes will be supported by the related Support 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 or Scheduled 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 or Scheduled 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 or Scheduled Class, the amount available to pay principal on the Securities may be insufficient to produce Scheduled Payments on such related PAC or Scheduled 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 or Scheduled Class, its supporting Classes may be retired earlier than that PAC or Scheduled 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, 8 and 9 Trust Assets have the assumed characteristics shown under “Assumed Characteristics of the Mortgage Loans Underlying the Group 1, 2, 3, 4, 5, 8 and 9 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, 8 or 9 Trust Asset is assumed to have an original and a remaining term to maturity of 360 months and a Mortgage Rate of 1.50% per annum higher than the related Certificate Rate.

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

3. Distributions on the Securities are always received on the 20th day of the month, whether or not a Business Day, commencing in August 2018.

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

5. The Closing Date for the Securities is July 30, 2018.

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

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

8. Each Class is held from the Closing Date and is not exchanged in whole or in part.

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

- For example, most of the Mortgage Loans will not have the characteristics assumed, many Distribution Dates will occur on a Business Day after the 20th day of the month, and the Trustee may cause a termination of the Trust as described under “Description of the Securities — Termination” in this Supplement.
- In addition, distributions on the Securities are based on Certificate Factors and Calculated Certificate Factors, as applicable, which may not reflect actual receipts on the Trust Assets.

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

Decrement Tables

Prepayments of mortgage loans are commonly measured by a prepayment standard or model. The model used in this Supplement, Prepayment Speed Assumption (“PSA”), is the standard prepayment assumption model of The Securities Industry and Financial Markets Association. PSA represents an assumed rate of prepayment each month relative to the then outstanding principal balance of the Mortgage Loans to which the model is applied. *See “Yield, Maturity and Prepayment Considerations — Standard Prepayment Assumption Models” in the Base Offering Circular.*

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

The decrement tables set forth below illustrate the percentage of the Original Class Principal Balance (or, in the case of a Notional Class, the original Class Notional Balance) that would remain outstanding following the distribution made each specified month for each Regular or MX Class, based on the assumption that the related Mortgage Loans prepay at the PSA Prepayment Assumption Rates. The percentages set forth in the following decrement tables have been rounded to the nearest whole percentage (including rounding down to zero).

The decrement tables also indicate the Weighted Average Life of each Class under each PSA Prepayment Assumption Rate. The Weighted Average Life of each Class is calculated by:

- (a) multiplying the net reduction, if any, of the Class Principal Balance (or the net reduction of the Class Notional Balance, in the case of a Notional Class) from one Distribution Date to the next Distribution Date by the number of years from the date of issuance thereof to the related Distribution Date,
- (b) summing the results, and
- (c) dividing the sum by the aggregate amount of the assumed net reductions in principal balance or notional balance, as applicable, referred to in clause (a).

The information shown for each Notional Class is for illustrative purposes only, as a Notional Class is not entitled to distributions of principal and has no Weighted Average Life. The Weighted Average Life shown for each Notional Class has been calculated on the assumption that a reduction in the Class Notional Balance thereof is a distribution of principal.

The Weighted Average Lives are likely to vary, perhaps significantly, from those set forth in the tables below due to the differences between the actual characteristics of the Mortgage Loans underlying the related Trust Assets and the Modeling Assumptions.

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

Security Group 1 PSA Prepayment Assumption Rates																				
Distribution Date	Class FA					Classes IL and LB					Class LY					Class SA				
	0%	100%	200%	300%	400%	0%	100%	200%	300%	400%	0%	100%	200%	300%	400%	0%	100%	200%	300%	400%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2019	99	97	95	93	92	98	96	94	91	89	100	100	100	100	100	99	97	95	93	92
July 2020	97	91	86	81	75	97	89	82	75	68	100	100	100	100	100	97	91	86	81	75
July 2021	96	84	74	65	57	95	80	67	54	43	100	100	100	100	100	96	84	74	65	57
July 2022	95	78	64	52	42	93	71	53	38	24	100	100	100	100	100	95	78	64	52	42
July 2023	93	72	56	42	31	91	63	42	24	10	100	100	100	100	100	93	72	56	42	31
July 2024	91	66	48	34	23	89	56	32	13	0	100	100	100	100	99	91	66	48	34	23
July 2025	90	61	41	27	17	86	49	23	5	0	100	100	100	100	74	90	61	41	27	17
July 2026	88	56	35	22	13	84	42	15	0	0	100	100	100	92	55	88	56	35	22	13
July 2027	86	51	30	17	10	81	36	9	0	0	100	100	100	73	40	86	51	30	17	10
July 2028	84	47	26	14	7	79	30	3	0	0	100	100	100	59	30	84	47	26	14	7
July 2029	81	42	22	11	5	76	25	0	0	0	100	100	93	47	22	81	42	22	11	5
July 2030	79	39	19	9	4	73	20	0	0	0	100	100	80	37	16	79	39	19	9	4
July 2031	77	35	16	7	3	69	15	0	0	0	100	100	67	29	12	77	35	16	7	3
July 2032	74	32	13	5	2	66	10	0	0	0	100	100	57	23	9	74	32	13	5	2
July 2033	71	28	11	4	1	62	6	0	0	0	100	100	48	18	6	71	28	11	4	1
July 2034	68	25	10	3	1	58	2	0	0	0	100	100	40	14	5	68	25	10	3	1
July 2035	65	23	8	3	1	54	0	0	0	0	100	96	34	11	3	65	23	8	3	1
July 2036	61	20	7	2	1	50	0	0	0	0	100	85	28	8	2	61	20	7	2	1
July 2037	58	18	5	2	0	45	0	0	0	0	100	75	23	6	2	58	18	5	2	0
July 2038	54	15	4	1	0	40	0	0	0	0	100	65	19	5	1	54	15	4	1	0
July 2039	50	13	4	1	0	34	0	0	0	0	100	56	15	4	1	50	13	4	1	0
July 2040	46	11	3	1	0	29	0	0	0	0	100	48	12	3	1	46	11	3	1	0
July 2041	41	10	2	0	0	23	0	0	0	0	100	40	9	2	0	41	10	2	0	0
July 2042	36	8	2	0	0	16	0	0	0	0	100	33	7	1	0	36	8	2	0	0
July 2043	31	6	1	0	0	10	0	0	0	0	100	26	5	1	0	31	6	1	0	0
July 2044	26	5	1	0	0	2	0	0	0	0	100	20	4	1	0	26	5	1	0	0
July 2045	20	3	1	0	0	0	0	0	0	0	83	14	3	0	0	20	3	1	0	0
July 2046	14	2	0	0	0	0	0	0	0	0	57	9	1	0	0	14	2	0	0	0
July 2047	7	1	0	0	0	0	0	0	0	0	29	4	1	0	0	7	1	0	0	0
July 2048	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	10.9	7.4	5.5	4.4	16.5	7.4	4.7	3.5	2.9	28.2	22.2	16.0	11.9	9.3	19.3	10.9	7.4	5.5	4.4

PSA Prepayment Assumption Rates																				
Distribution Date	Class SB					Class VA					Class VB					Class VZ				
	0%	100%	200%	300%	400%	0%	100%	200%	300%	400%	0%	100%	200%	300%	400%	0%	100%	200%	300%	400%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2019	99	97	95	93	92	93	93	93	93	93	100	100	100	100	100	104	104	104	104	104
July 2020	97	91	86	81	75	85	85	85	85	85	100	100	100	100	100	107	107	107	107	107
July 2021	96	84	74	65	57	77	77	77	77	77	100	100	100	100	100	111	111	111	111	111
July 2022	95	78	64	52	42	69	69	69	69	69	100	100	100	100	100	115	115	115	115	115
July 2023	93	72	56	42	31	60	60	60	60	60	100	100	100	100	100	119	119	119	119	119
July 2024	91	66	48	34	23	51	51	51	51	48	100	100	100	100	100	123	123	123	123	123
July 2025	90	61	41	27	17	42	42	42	42	0	100	100	100	100	40	128	128	128	128	128
July 2026	88	56	35	22	13	33	33	33	0	0	100	100	100	99	0	132	132	132	132	111
July 2027	86	51	30	17	10	23	23	23	0	0	100	100	100	22	0	137	137	137	137	82
July 2028	84	47	26	14	7	13	13	13	0	0	100	100	100	0	0	142	142	142	119	61
July 2029	81	42	22	11	5	2	2	0	0	0	100	100	78	0	0	147	147	147	94	45
July 2030	79	39	19	9	4	0	0	0	0	0	93	93	17	0	0	152	152	152	75	33
July 2031	77	35	16	7	3	0	0	0	0	0	83	83	0	0	0	158	158	137	59	24
July 2032	74	32	13	5	2	0	0	0	0	0	73	73	0	0	0	163	163	116	47	18
July 2033	71	28	11	4	1	0	0	0	0	0	62	62	0	0	0	169	169	98	37	13
July 2034	68	25	10	3	1	0	0	0	0	0	51	51	0	0	0	175	175	82	29	9
July 2035	65	23	8	3	1	0	0	0	0	0	40	25	0	0	0	181	181	68	22	7
July 2036	61	20	7	2	1	0	0	0	0	0	28	0	0	0	0	188	173	57	17	5
July 2037	58	18	5	2	0	0	0	0	0	0	16	0	0	0	0	194	152	47	13	3
July 2038	54	15	4	1	0	0	0	0	0	0	3	0	0	0	0	201	132	38	10	2
July 2039	50	13	4	1	0	0	0	0	0	0	0	0	0	0	0	203	114	31	8	2
July 2040	46	11	3	1	0	0	0	0	0	0	0	0	0	0	0	203	97	25	6	1
July 2041	41	10	2	0	0	0	0	0	0	0	0	0	0	0	0	203	82	19	4	1
July 2042	36	8	2	0	0	0	0	0	0	0	0	0	0	0	0	203	67	15	3	1
July 2043	31	6	1	0	0	0	0	0	0	0	0	0	0	0	0	203	53	11	2	0
July 2044	26	5	1	0	0	0	0	0	0	0	0	0	0	0	0	203	40	8	1	0
July 2045	20	3	1	0	0	0	0	0	0	0	0	0	0	0	0	169	29	5	1	0
July 2046	14	2	0	0	0	0	0	0	0	0	0	0	0	0	0	116	18	3	0	0
July 2047	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	60	7	1	0	0
July 2048	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	10.9	7.4	5.5	4.4	6.0	6.0	6.0	5.4	4.7	16.0	15.4	11.5	8.6	6.9	28.2	22.8	17.5	13.5	10.7

Security Group 2 PSA Prepayment Assumption Rates																				
Distribution Date	Class DS					Class LA					Class LV					Class LZ				
	0%	100%	230%	400%	500%	0%	100%	230%	400%	500%	0%	100%	230%	400%	500%	0%	100%	230%	400%	500%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2019	99	97	95	92	90	99	97	94	91	89	100	100	100	100	100	100	104	104	104	104
July 2020	98	92	85	76	71	97	91	83	74	68	100	100	100	100	100	100	107	107	107	107
July 2021	96	85	72	57	49	96	83	69	53	45	100	100	100	100	100	100	111	111	111	111
July 2022	95	78	61	42	34	95	76	58	37	28	100	100	100	100	100	100	115	115	115	115
July 2023	94	72	52	32	23	93	70	47	26	16	100	100	100	100	100	100	119	119	119	119
July 2024	92	67	44	24	16	91	64	39	17	9	100	100	100	100	100	100	123	123	123	123
July 2025	90	61	37	18	11	90	58	31	10	3	100	100	100	100	100	100	128	128	128	128
July 2026	89	56	31	13	7	88	53	25	5	0	100	100	100	100	100	100	132	132	132	132
July 2027	87	52	26	10	5	86	47	20	2	0	100	100	100	100	0	0	137	137	137	129
July 2028	85	47	22	7	3	83	43	15	0	0	100	100	100	72	0	0	142	142	142	88
July 2029	83	43	18	5	2	81	38	11	0	0	100	100	100	0	0	0	147	147	147	60
July 2030	80	39	15	4	2	79	34	8	0	0	93	93	93	0	0	0	152	152	152	99
July 2031	78	36	13	3	1	76	30	5	0	0	83	83	83	0	0	0	158	158	158	72
July 2032	75	32	11	2	1	73	26	3	0	0	73	73	73	0	0	0	163	163	163	53
July 2033	73	29	9	2	0	70	23	1	0	0	62	62	62	0	0	0	169	169	169	39
July 2034	70	26	7	1	0	67	20	0	0	0	51	51	13	0	0	0	175	175	175	28
July 2035	66	23	6	1	0	64	17	0	0	0	40	40	0	0	0	0	181	181	149	20
July 2036	63	21	5	1	0	60	14	0	0	0	28	28	0	0	0	0	188	188	121	14
July 2037	59	18	4	0	0	56	11	0	0	0	16	16	0	0	0	0	194	194	98	10
July 2038	56	16	3	0	0	52	9	0	0	0	3	3	0	0	0	0	201	201	78	7
July 2039	52	14	2	0	0	47	6	0	0	0	0	0	0	0	0	0	203	203	62	5
July 2040	47	12	2	0	0	43	4	0	0	0	0	0	0	0	0	0	203	203	49	4
July 2041	43	10	1	0	0	38	2	0	0	0	0	0	0	0	0	0	203	203	38	2
July 2042	38	8	1	0	0	32	0	0	0	0	0	0	0	0	0	0	203	203	28	2
July 2043	32	6	1	0	0	26	0	0	0	0	0	0	0	0	0	0	203	164	21	1
July 2044	27	5	1	0	0	20	0	0	0	0	0	0	0	0	0	0	203	125	14	1
July 2045	21	3	0	0	0	14	0	0	0	0	0	0	0	0	0	0	203	88	9	0
July 2046	14	2	0	0	0	7	0	0	0	0	0	0	0	0	0	0	203	54	5	0
July 2047	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	186	22	2	0
July 2048	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	19.6	11.0	6.7	4.4	3.7	18.7	9.7	5.6	3.7	3.1	16.0	16.0	14.8	10.2	8.4	29.5	26.7	20.3	13.9	11.4

PSA Prepayment Assumption Rates																				
Distribution Date	Class PF					Class SD					Class VL					Class Y				
	0%	100%	230%	400%	500%	0%	100%	230%	400%	500%	0%	100%	230%	400%	500%	0%	100%	230%	400%	500%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2019	99	97	95	92	90	99	97	95	92	90	93	93	93	93	93	100	100	100	100	100
July 2020	98	92	85	76	71	98	92	85	76	71	85	85	85	85	85	100	100	100	100	100
July 2021	96	85	72	57	49	96	85	72	57	49	77	77	77	77	77	100	100	100	100	100
July 2022	95	78	61	42	34	95	78	61	42	34	69	69	69	69	69	100	100	100	100	100
July 2023	94	72	52	32	23	94	72	52	32	23	60	60	60	60	60	100	100	100	100	100
July 2024	92	67	44	24	16	92	67	44	24	16	51	51	51	51	51	100	100	100	100	100
July 2025	90	61	37	18	11	90	61	37	18	11	42	42	42	42	42	100	100	100	100	100
July 2026	89	56	31	13	7	89	56	31	13	7	33	33	33	33	4	100	100	100	100	93
July 2027	87	52	26	10	5	87	52	26	10	5	23	23	23	23	0	100	100	100	100	64
July 2028	85	47	22	7	3	85	47	22	7	3	13	13	13	0	0	100	100	100	89	43
July 2029	83	43	18	5	2	83	43	18	5	2	2	2	2	0	0	100	100	100	66	29
July 2030	80	39	15	4	2	80	39	15	4	2	0	0	0	0	0	100	100	100	49	20
July 2031	78	36	13	3	1	78	36	13	3	1	0	0	0	0	0	100	100	100	36	13
July 2032	75	32	11	2	1	75	32	11	2	1	0	0	0	0	0	100	100	100	26	9
July 2033	73	29	9	2	0	73	29	9	2	0	0	0	0	0	0	100	100	100	19	6
July 2034	70	26	7	1	0	70	26	7	1	0	0	0	0	0	0	100	100	90	14	4
July 2035	66	23	6	1	0	66	23	6	1	0	0	0	0	0	0	100	100	73	10	3
July 2036	63	21	5	1	0	63	21	5	1	0	0	0	0	0	0	100	100	60	7	2
July 2037	59	18	4	0	0	59	18	4	0	0	0	0	0	0	0	100	100	48	5	1
July 2038	56	16	3	0	0	56	16	3	0	0	0	0	0	0	0	100	100	39	4	1
July 2039	52	14	2	0	0	52	14	2	0	0	0	0	0	0	0	100	100	31	3	0
July 2040	47	12	2	0	0	47	12	2	0	0	0	0	0	0	0	100	100	24	2	0
July 2041	43	10	1	0	0	43	10	1	0	0	0	0	0	0	0	100	100	18	1	0
July 2042	38	8	1	0	0	38	8	1	0	0	0	0	0	0	0	100	100	14	1	0
July 2043	32	6	1	0	0	32	6	1	0	0	0	0	0	0	0	100	81	10	1	0
July 2044	27	5	1	0	0	27	5	1	0	0	0	0	0	0	0	100	61	7	0	0
July 2045	21	3	0	0	0	21	3	0	0	0	0	0	0	0	0	100	43	5	0	0
July 2046	14	2	0	0	0	14	2	0	0	0	0	0	0	0	0	100	27	3	0	0
July 2047	7	1	0	0	0	7	1	0	0	0	0	0	0	0	0	92	11	1	0	0
July 2048	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	19.6	11.0	6.7	4.4	3.7	19.6	11.0	6.7	4.4	3.7	6.0	6.0	6.0	5.9	5.4	29.5	26.7	19.7	12.8	10.4

Security Group 3 PSA Prepayment Assumption Rates																				
Distribution Date	Class AF					Classes FY, NU and SY					Class JM					Class JN				
	0%	180%	230%	300%	500%	0%	180%	230%	300%	500%	0%	180%	230%	300%	500%	0%	180%	230%	300%	500%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2019	99	96	95	94	91	100	100	100	78	0	98	94	94	94	94	100	100	100	100	100
July 2020	98	88	85	82	72	100	100	100	27	0	97	83	83	83	83	100	100	100	100	100
July 2021	96	77	73	66	50	100	100	100	0	0	95	68	68	68	55	100	100	100	100	100
July 2022	95	68	62	54	35	100	100	100	0	0	93	55	55	55	33	100	100	100	100	100
July 2023	94	59	52	43	24	100	100	100	0	0	91	43	43	43	18	100	100	100	100	100
July 2024	92	52	44	35	16	100	100	100	0	0	89	33	33	33	8	100	100	100	100	100
July 2025	90	45	37	28	11	100	100	100	0	0	87	24	24	24	0	100	100	100	100	100
July 2026	89	40	31	22	8	100	100	100	0	0	84	16	16	16	0	100	100	100	100	70
July 2027	87	34	26	18	5	100	100	100	0	0	82	10	10	10	0	100	100	100	100	48
July 2028	85	30	22	14	4	100	100	100	0	0	79	5	5	5	0	100	100	100	100	33
July 2029	83	26	18	11	2	100	100	100	0	0	76	1	1	1	0	100	100	100	100	22
July 2030	80	22	15	9	2	100	100	100	0	0	73	0	0	0	0	100	83	83	83	15
July 2031	78	19	13	7	1	100	100	100	0	0	69	0	0	0	0	100	66	66	66	10
July 2032	75	17	11	6	1	100	100	100	0	0	66	0	0	0	0	100	52	52	52	7
July 2033	73	14	9	4	1	100	100	92	0	0	62	0	0	0	0	100	41	41	41	5
July 2034	70	12	7	3	0	100	100	80	0	0	58	0	0	0	0	100	32	32	32	3
July 2035	66	10	6	3	0	100	100	69	0	0	53	0	0	0	0	100	25	25	25	2
July 2036	63	9	5	2	0	100	100	59	0	0	48	0	0	0	0	100	19	19	19	1
July 2037	59	7	4	2	0	100	100	50	0	0	43	0	0	0	0	100	15	15	15	1
July 2038	56	6	3	1	0	100	100	41	0	0	38	0	0	0	0	100	11	11	11	1
July 2039	52	5	2	1	0	100	100	34	0	0	32	0	0	0	0	100	8	8	8	0
July 2040	47	4	2	1	0	100	87	28	0	0	26	0	0	0	0	100	6	6	6	0
July 2041	43	3	2	1	0	100	71	22	0	0	20	0	0	0	0	100	5	5	5	0
July 2042	38	2	1	0	0	100	57	17	0	0	13	0	0	0	0	100	3	3	3	0
July 2043	32	2	1	0	0	100	44	13	0	0	5	0	0	0	0	100	2	2	2	0
July 2044	27	1	1	0	0	100	32	9	0	0	0	0	0	0	0	84	2	2	2	0
July 2045	21	1	0	0	0	100	22	6	0	0	0	0	0	0	0	28	1	1	1	0
July 2046	14	1	0	0	0	100	13	3	0	0	0	0	0	0	0	0	0	0	0	0
July 2047	7	0	0	0	0	100	5	1	0	0	0	0	0	0	0	0	0	0	0	0
July 2048	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	19.6	8.0	6.8	5.6	3.7	29.8	24.8	19.8	1.5	0.6	16.3	4.8	4.8	4.8	3.4	26.6	15.2	15.2	15.2	9.7

PSA Prepayment Assumption Rates																				
Distribution Date	Class JU					Classes KF and KS					Classes LI and SK					Class NA				
	0%	180%	230%	300%	500%	0%	180%	230%	300%	500%	0%	180%	230%	300%	500%	0%	180%	230%	300%	500%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2019	100	100	96	90	73	100	100	95	88	67	99	96	95	94	91	98	95	95	95	95
July 2020	100	100	86	66	11	100	100	84	59	0	98	88	85	82	72	97	85	84	84	80
July 2021	100	100	73	38	0	100	100	71	20	0	96	77	73	66	50	95	73	71	71	54
July 2022	100	100	64	19	0	100	100	62	0	0	95	68	62	54	35	93	61	58	58	35
July 2023	100	100	59	7	0	100	100	56	0	0	94	59	52	43	24	91	51	48	45	22
July 2024	100	100	55	1	0	100	100	52	0	0	92	52	44	35	16	89	42	38	35	13
July 2025	100	100	53	0	0	100	100	51	0	0	90	45	37	28	11	87	34	30	27	7
July 2026	100	98	51	0	0	100	100	49	0	0	89	40	31	22	8	85	27	23	20	3
July 2027	100	94	48	0	0	100	100	46	0	0	87	34	26	18	5	82	21	18	14	0
July 2028	100	89	45	0	0	100	100	42	0	0	85	30	22	14	4	80	15	13	10	0
July 2029	100	83	41	0	0	100	100	37	0	0	83	26	18	11	2	77	10	9	6	0
July 2030	100	76	37	0	0	100	100	33	0	0	80	22	15	9	2	74	6	5	3	0
July 2031	100	69	33	0	0	100	94	28	0	0	78	19	13	7	1	71	3	3	1	0
July 2032	100	62	29	0	0	100	84	23	0	0	75	17	11	6	1	68	0	0	0	0
July 2033	100	55	25	0	0	100	74	20	0	0	73	14	9	4	1	64	0	0	0	0
July 2034	100	49	22	0	0	100	64	17	0	0	70	12	7	3	0	60	0	0	0	0
July 2035	100	43	18	0	0	100	54	15	0	0	66	10	6	3	0	56	0	0	0	0
July 2036	100	37	16	0	0	100	46	13	0	0	63	9	5	2	0	52	0	0	0	0
July 2037	100	32	13	0	0	100	38	11	0	0	59	7	4	2	0	47	0	0	0	0
July 2038	100	27	11	0	0	100	30	9	0	0	56	6	3	1	0	42	0	0	0	0
July 2039	100	23	9	0	0	100	23	7	0	0	52	5	2	1	0	37	0	0	0	0
July 2040	100	19	7	0	0	100	19	6	0	0	47	4	2	1	0	31	0	0	0	0
July 2041	100	15	6	0	0	100	15	5	0	0	43	3	2	1	0	26	0	0	0	0
July 2042	100	12	4	0	0	100	12	4	0	0	38	2	1	0	0	19	0	0	0	0
July 2043	100	9	3	0	0	100	9	3	0	0	32	2	1	0	0	12	0	0	0	0
July 2044	100	7	2	0	0	100	7	2	0	0	27	1	1	0	0	5	0	0	0	0
July 2045	100	5	2	0	0	100	5	1	0	0	21	1	0	0	0	0	0	0	0	0
July 2046	81	3	1	0	0	100	3	1	0	0	14	1	0	0	0	0	0	0	0	0
July 2047	42	1	0	0	0	61	1	0	0	0	7	0	0	0	0	0	0	0	0	0
July 2048	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	28.8	16.6	9.6	2.7	1.4	29.2	18.3	8.9	2.2	1.1	19.6	8.0	6.8	5.6	3.7	16.9	5.8	5.5	5.2	3.6

Security Group 3 PSA Prepayment Assumption Rates																				
Distribution Date	Class NK					Class NP					Class NZ					Class PA				
	0%	180%	230%	300%	500%	0%	180%	230%	300%	500%	0%	180%	230%	300%	500%	0%	180%	230%	300%	500%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2019	100	100	94	90	86	98	95	95	95	95	104	104	104	104	104	98	95	95	95	95
July 2020	100	100	80	67	0	97	85	84	84	80	108	108	108	108	108	97	85	84	84	80
July 2021	100	100	64	26	0	95	73	71	71	54	113	113	113	113	113	95	73	71	71	54
July 2022	100	100	52	0	0	93	61	58	58	35	117	117	117	117	117	93	61	58	58	35
July 2023	100	100	44	0	0	91	51	48	45	22	122	122	122	122	122	91	51	48	45	22
July 2024	100	100	40	0	0	89	42	38	35	13	127	127	127	127	127	89	42	38	35	13
July 2025	100	100	38	0	0	87	34	30	27	7	132	132	132	132	132	87	34	30	27	7
July 2026	100	100	35	0	0	85	27	23	20	3	138	138	138	138	138	85	27	23	20	3
July 2027	100	100	31	0	0	82	21	18	14	0	143	143	143	143	133	82	21	18	14	0
July 2028	100	100	26	0	0	80	15	13	10	0	149	149	149	149	91	80	15	13	10	0
July 2029	100	100	20	0	0	77	10	9	6	0	155	155	155	155	62	77	10	9	6	0
July 2030	100	100	14	0	0	74	6	5	3	0	161	161	161	161	42	74	6	5	3	0
July 2031	100	92	8	0	0	71	3	3	1	0	168	168	168	168	28	71	3	3	1	0
July 2032	100	79	2	0	0	68	0	0	0	0	175	175	175	143	19	68	0	0	0	0
July 2033	100	66	0	0	0	64	0	0	0	0	182	144	144	112	13	64	0	0	0	0
July 2034	100	54	0	0	0	60	0	0	0	0	189	115	115	88	9	60	0	0	0	0
July 2035	100	42	0	0	0	56	0	0	0	0	197	91	91	69	6	56	0	0	0	0
July 2036	100	31	0	0	0	52	0	0	0	0	205	72	72	53	4	52	0	0	0	0
July 2037	100	21	0	0	0	47	0	0	0	0	214	56	56	41	2	47	0	0	0	0
July 2038	100	11	0	0	0	42	0	0	0	0	222	44	44	31	2	42	0	0	0	0
July 2039	100	2	0	0	0	37	0	0	0	0	231	34	34	24	1	37	0	0	0	0
July 2040	100	0	0	0	0	31	0	0	0	0	241	26	26	18	1	31	0	0	0	0
July 2041	100	0	0	0	0	25	0	0	0	0	251	19	19	13	0	26	0	0	0	0
July 2042	100	0	0	0	0	19	0	0	0	0	261	14	14	9	0	19	0	0	0	0
July 2043	100	0	0	0	0	12	0	0	0	0	271	10	10	6	0	12	0	0	0	0
July 2044	100	0	0	0	0	5	0	0	0	0	282	7	7	4	0	5	0	0	0	0
July 2045	100	0	0	0	0	0	0	0	0	0	244	4	4	3	0	0	0	0	0	0
July 2046	100	0	0	0	0	0	0	0	0	0	81	2	2	1	0	0	0	0	0	0
July 2047	51	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0
July 2048	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	29.0	16.5	6.0	2.3	1.3	16.9	5.8	5.5	5.2	3.6	27.6	18.2	18.2	17.1	11.4	16.9	5.8	5.5	5.2	3.6

PSA Prepayment Assumption Rates																				
Distribution Date	Class PZ					Class QK					Class QU					Class QZ				
	0%	180%	230%	300%	500%	0%	180%	230%	300%	500%	0%	180%	230%	300%	500%	0%	180%	230%	300%	500%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2019	104	104	104	104	104	100	100	94	90	86	100	100	100	78	0	104	104	104	104	104
July 2020	108	108	108	108	108	100	100	80	67	0	100	100	100	27	0	108	108	108	108	0
July 2021	113	113	113	113	113	100	100	64	26	0	100	100	100	0	0	113	113	113	113	0
July 2022	117	117	117	117	117	100	100	52	0	0	100	100	100	0	0	117	117	117	0	0
July 2023	122	122	122	122	122	100	100	44	0	0	100	100	100	0	0	122	122	122	0	0
July 2024	127	127	127	127	127	100	100	39	0	0	100	100	100	0	0	127	127	127	0	0
July 2025	132	132	132	132	132	100	100	38	0	0	100	100	100	0	0	132	132	132	0	0
July 2026	138	138	138	138	138	100	100	35	0	0	100	100	100	0	0	138	138	138	0	0
July 2027	143	143	143	143	133	100	100	31	0	0	100	100	100	0	0	143	143	143	0	0
July 2028	149	149	149	149	90	100	100	26	0	0	100	100	100	0	0	149	149	149	0	0
July 2029	155	155	155	155	62	100	100	20	0	0	100	100	100	0	0	155	155	155	0	0
July 2030	161	161	161	161	42	100	100	14	0	0	100	100	100	0	0	161	161	161	0	0
July 2031	168	168	168	168	28	100	92	8	0	0	100	100	100	0	0	168	168	168	0	0
July 2032	175	175	175	143	19	100	79	2	0	0	100	100	100	0	0	175	175	175	0	0
July 2033	182	144	144	112	13	100	66	0	0	0	100	100	92	0	0	182	182	6	0	0
July 2034	189	115	115	88	9	100	54	0	0	0	100	100	80	0	0	189	189	6	0	0
July 2035	197	91	91	69	6	100	42	0	0	0	100	100	69	0	0	197	197	6	0	0
July 2036	205	72	72	53	4	100	31	0	0	0	100	100	59	0	0	205	205	6	0	0
July 2037	214	56	56	41	2	100	21	0	0	0	100	100	50	0	0	214	214	6	0	0
July 2038	222	44	44	31	2	100	11	0	0	0	100	100	41	0	0	222	222	6	0	0
July 2039	231	34	34	24	1	100	2	0	0	0	100	100	34	0	0	231	231	6	0	0
July 2040	241	26	26	18	1	100	0	0	0	0	100	87	27	0	0	241	6	6	0	0
July 2041	251	19	19	13	0	100	0	0	0	0	100	71	22	0	0	251	6	6	0	0
July 2042	261	14	14	9	0	100	0	0	0	0	100	56	17	0	0	261	6	6	0	0
July 2043	271	10	10	6	0	100	0	0	0	0	99	43	12	0	0	271	6	6	0	0
July 2044	282	7	7	4	0	100	0	0	0	0	99	32	9	0	0	282	6	6	0	0
July 2045	244	4	4	3	0	100	0	0	0	0	99	22	6	0	0	294	6	6	0	0
July 2046	81	2	2	1	0	100	0	0	0	0	99	13	3	0	0	306	6	6	0	0
July 2047	1	1	1	1	0	51	0	0	0	0	99	5	1	0	0	318	6	6	0	0
July 2048	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	27.6	18.1	18.1	17.1	11.4	29.0	16.5	6.0	2.3	1.3	29.7	24.8	19.7	1.5	0.6	29.6	21.5	14.9	3.7	1.7

Security Group 3 PSA Prepayment Assumption Rates																				
Distribution Date	Class SH					Class SJ					Class SL					Class SM				
	0%	180%	230%	300%	500%	0%	180%	230%	300%	500%	0%	180%	230%	300%	500%	0%	180%	230%	300%	500%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2019	99	96	95	94	91	99	96	95	94	91	99	96	95	94	91	99	96	95	94	91
July 2020	98	88	85	82	72	98	88	85	82	72	98	88	85	82	72	98	88	85	82	72
July 2021	96	77	73	66	50	96	77	73	66	50	96	77	73	66	50	96	77	73	66	50
July 2022	95	68	62	54	35	95	68	62	54	35	95	68	62	54	35	95	68	62	54	35
July 2023	94	59	52	43	24	94	59	52	43	24	94	59	52	43	24	94	59	52	43	24
July 2024	92	52	44	35	16	92	52	44	35	16	92	52	44	35	16	92	52	44	35	16
July 2025	90	45	37	28	11	90	45	37	28	11	90	45	37	28	11	90	45	37	28	11
July 2026	89	40	31	22	8	89	40	31	22	8	89	40	31	22	8	89	40	31	22	8
July 2027	87	34	26	18	5	87	34	26	18	5	87	34	26	18	5	87	34	26	18	5
July 2028	85	30	22	14	4	85	30	22	14	4	85	30	22	14	4	85	30	22	14	4
July 2029	83	26	18	11	2	83	26	18	11	2	83	26	18	11	2	83	26	18	11	2
July 2030	80	22	15	9	2	80	22	15	9	2	80	22	15	9	2	80	22	15	9	2
July 2031	78	19	13	7	1	78	19	13	7	1	78	19	13	7	1	78	19	13	7	1
July 2032	75	17	11	6	1	75	17	11	6	1	75	17	11	6	1	75	17	11	6	1
July 2033	73	14	9	4	1	73	14	9	4	1	73	14	9	4	1	73	14	9	4	1
July 2034	70	12	7	3	0	70	12	7	3	0	70	12	7	3	0	70	12	7	3	0
July 2035	66	10	6	3	0	66	10	6	3	0	66	10	6	3	0	66	10	6	3	0
July 2036	63	9	5	2	0	63	9	5	2	0	63	9	5	2	0	63	9	5	2	0
July 2037	59	7	4	2	0	59	7	4	2	0	59	7	4	2	0	59	7	4	2	0
July 2038	56	6	3	1	0	56	6	3	1	0	56	6	3	1	0	56	6	3	1	0
July 2039	52	5	2	1	0	52	5	2	1	0	52	5	2	1	0	52	5	2	1	0
July 2040	47	4	2	1	0	47	4	2	1	0	47	4	2	1	0	47	4	2	1	0
July 2041	43	3	2	1	0	43	3	2	1	0	43	3	2	1	0	43	3	2	1	0
July 2042	38	2	1	0	0	38	2	1	0	0	38	2	1	0	0	38	2	1	0	0
July 2043	32	2	1	0	0	32	2	1	0	0	32	2	1	0	0	32	2	1	0	0
July 2044	27	1	1	0	0	27	1	1	0	0	27	1	1	0	0	27	1	1	0	0
July 2045	21	1	0	0	0	21	1	0	0	0	21	1	0	0	0	21	1	0	0	0
July 2046	14	1	0	0	0	14	1	0	0	0	14	1	0	0	0	14	1	0	0	0
July 2047	7	0	0	0	0	7	0	0	0	0	7	0	0	0	0	7	0	0	0	0
July 2048	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	19.6	8.0	6.8	5.6	3.7	19.6	8.0	6.8	5.6	3.7	19.6	8.0	6.8	5.6	3.7	19.6	8.0	6.8	5.6	3.7

PSA Prepayment Assumption Rates																				
Distribution Date	Class SN					Class UZ					Classes WF and WS					Class WU				
	0%	180%	230%	300%	500%	0%	180%	230%	300%	500%	0%	180%	230%	300%	500%	0%	180%	230%	300%	500%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2019	99	96	95	94	91	103	103	103	103	103	100	100	94	90	86	100	100	100	78	0
July 2020	98	88	85	82	72	106	106	106	106	106	100	100	80	67	0	100	100	100	27	0
July 2021	96	77	73	66	50	109	109	109	109	0	100	100	64	26	0	100	100	100	0	0
July 2022	95	68	62	54	35	113	113	113	113	0	100	100	52	0	0	100	100	100	0	0
July 2023	94	59	52	43	24	116	116	116	116	0	100	100	44	0	0	100	100	100	0	0
July 2024	92	52	44	35	16	120	120	120	120	0	100	100	40	0	0	100	100	100	0	0
July 2025	90	45	37	28	11	123	123	123	85	0	100	100	38	0	0	100	100	100	0	0
July 2026	89	40	31	22	8	127	127	127	85	0	100	100	35	0	0	100	100	100	0	0
July 2027	87	34	26	18	5	131	131	131	85	0	100	100	31	0	0	100	100	100	0	0
July 2028	85	30	22	14	4	135	135	135	85	0	100	100	26	0	0	100	100	100	0	0
July 2029	83	26	18	11	2	139	139	139	85	0	100	100	20	0	0	100	100	100	0	0
July 2030	80	22	15	9	2	143	143	143	85	0	100	100	14	0	0	100	100	100	0	0
July 2031	78	19	13	7	1	148	148	148	85	0	100	92	8	0	0	100	100	100	0	0
July 2032	75	17	11	6	1	152	152	152	85	0	100	79	2	0	0	100	100	100	0	0
July 2033	73	14	9	4	1	157	157	157	85	0	100	66	0	0	0	100	100	92	0	0
July 2034	70	12	7	3	0	162	162	162	85	0	100	54	0	0	0	100	100	80	0	0
July 2035	66	10	6	3	0	166	166	166	85	0	100	42	0	0	0	100	100	69	0	0
July 2036	63	9	5	2	0	171	171	171	85	0	100	31	0	0	0	100	100	59	0	0
July 2037	59	7	4	2	0	177	177	177	85	0	100	21	0	0	0	100	100	50	0	0
July 2038	56	6	3	1	0	182	182	182	85	0	100	11	0	0	0	100	100	42	0	0
July 2039	52	5	2	1	0	188	188	188	85	0	100	2	0	0	0	100	100	34	0	0
July 2040	47	4	2	1	0	193	193	193	85	0	100	0	0	0	0	100	88	28	0	0
July 2041	43	3	2	1	0	199	199	199	85	0	100	0	0	0	0	100	71	22	0	0
July 2042	38	2	1	0	0	205	205	205	85	0	100	0	0	0	0	100	57	17	0	0
July 2043	32	2	1	0	0	212	212	212	85	0	100	0	0	0	0	100	44	13	0	0
July 2044	27	1	1	0	0	218	218	218	85	0	100	0	0	0	0	100	32	9	0	0
July 2045	21	1	0	0	0	225	225	225	85	0	100	0	0	0	0	100	22	6	0	0
July 2046	14	1	0	0	0	231	231	231	85	0	100	0	0	0	0	100	13	4	0	0
July 2047	7	0	0	0	0	238	238	238	85	0	51	0	0	0	0	100	6	1	0	0
July 2048	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average																				
Life (years)	19.6	8.0	6.8	5.6	3.7	30.0	29.8	29.8	22.8	2.1	29.0	16.5	6.0	2.3	1.3	29.8	24.8	19.8	1.5	0.6

Security Group 3 PSA Prepayment Assumption Rates																				
Distribution Date	Class WZ					Classes YF and YS					Class YZ					Class ZL				
	0%	180%	230%	300%	500%	0%	180%	230%	300%	500%	0%	180%	230%	300%	500%	0%	180%	230%	300%	500%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2019	104	104	104	104	104	100	100	94	90	86	104	104	104	104	104	104	104	104	104	104
July 2020	108	108	108	108	0	100	100	80	67	0	108	108	108	108	0	108	108	108	108	108
July 2021	113	113	113	113	0	100	100	64	26	0	113	113	113	113	0	113	113	113	113	113
July 2022	117	117	117	0	0	100	100	52	0	0	117	117	117	0	0	117	117	117	117	117
July 2023	122	122	122	0	0	100	100	44	0	0	122	122	122	0	0	122	122	122	122	122
July 2024	127	127	127	0	0	100	100	40	0	0	127	127	127	0	0	127	127	127	127	127
July 2025	132	132	132	0	0	100	100	38	0	0	132	132	132	0	0	132	132	132	132	132
July 2026	138	138	138	0	0	100	100	35	0	0	138	138	138	0	0	138	138	138	138	138
July 2027	143	143	143	0	0	100	100	31	0	0	143	143	143	0	0	143	143	143	143	133
July 2028	149	149	149	0	0	100	100	26	0	0	149	149	149	0	0	149	149	149	149	90
July 2029	155	155	155	0	0	100	100	20	0	0	155	155	155	0	0	155	155	155	155	62
July 2030	161	161	161	0	0	100	100	14	0	0	161	161	161	0	0	161	161	161	161	42
July 2031	168	168	168	0	0	100	92	8	0	0	168	168	168	0	0	168	168	168	168	28
July 2032	175	175	175	0	0	100	79	2	0	0	175	175	175	0	0	175	175	175	143	19
July 2033	182	182	0	0	0	100	66	0	0	0	182	182	0	0	0	182	144	144	112	13
July 2034	189	189	0	0	0	100	54	0	0	0	189	189	0	0	0	189	115	115	88	9
July 2035	197	197	0	0	0	100	42	0	0	0	197	197	0	0	0	197	91	91	69	6
July 2036	205	205	0	0	0	100	31	0	0	0	205	205	0	0	0	205	72	72	53	4
July 2037	214	214	0	0	0	100	21	0	0	0	214	214	0	0	0	214	56	56	41	2
July 2038	222	222	0	0	0	100	11	0	0	0	222	222	0	0	0	222	44	44	31	2
July 2039	231	231	0	0	0	100	2	0	0	0	231	231	0	0	0	231	34	34	24	1
July 2040	241	0	0	0	0	100	0	0	0	0	241	0	0	0	0	241	26	26	18	1
July 2041	251	0	0	0	0	100	0	0	0	0	251	0	0	0	0	251	19	19	13	0
July 2042	261	0	0	0	0	100	0	0	0	0	261	0	0	0	0	261	14	14	9	0
July 2043	271	0	0	0	0	100	0	0	0	0	271	0	0	0	0	271	10	10	6	0
July 2044	282	0	0	0	0	100	0	0	0	0	282	0	0	0	0	282	7	7	4	0
July 2045	294	0	0	0	0	100	0	0	0	0	294	0	0	0	0	244	4	4	3	0
July 2046	306	0	0	0	0	100	0	0	0	0	306	0	0	0	0	81	2	2	1	0
July 2047	318	0	0	0	0	51	0	0	0	0	318	0	0	0	0	1	1	1	1	0
July 2048	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average																				
Life (years)	29.6	21.3	14.4	3.7	1.7	29.0	16.5	6.0	2.3	1.3	29.6	21.3	14.4	3.7	1.7	27.6	18.1	18.1	17.1	11.4

PSA Prepayment Assumption Rates																				
Distribution Date	Class ZN					Class ZQ					Class ZW					Class ZY				
	0%	180%	230%	300%	500%	0%	180%	230%	300%	500%	0%	180%	230%	300%	500%	0%	180%	230%	300%	500%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2019	104	104	104	104	104	104	104	104	104	0	104	104	104	104	0	104	104	104	104	0
July 2020	108	108	108	108	108	108	108	108	108	0	108	108	108	108	0	108	108	108	108	0
July 2021	113	113	113	113	113	113	113	113	0	0	113	113	113	0	0	113	113	113	0	0
July 2022	117	117	117	117	117	117	117	117	0	0	117	117	117	0	0	117	117	117	0	0
July 2023	122	122	122	122	122	122	122	122	0	0	122	122	122	0	0	122	122	122	0	0
July 2024	127	127	127	127	127	127	127	127	0	0	127	127	127	0	0	127	127	127	0	0
July 2025	132	132	132	132	132	132	132	132	0	0	132	132	132	0	0	132	132	132	0	0
July 2026	138	138	138	138	138	138	138	138	0	0	138	138	138	0	0	138	138	138	0	0
July 2027	143	143	143	143	133	143	143	143	0	0	143	143	143	0	0	143	143	143	0	0
July 2028	149	149	149	149	91	149	149	149	0	0	149	149	149	0	0	149	149	149	0	0
July 2029	155	155	155	155	62	155	155	155	0	0	155	155	155	0	0	155	155	155	0	0
July 2030	161	161	161	161	42	161	161	161	0	0	161	161	161	0	0	161	161	161	0	0
July 2031	168	168	168	168	28	168	168	168	0	0	168	168	168	0	0	168	168	168	0	0
July 2032	175	175	175	143	19	175	175	175	0	0	175	175	175	0	0	175	175	175	0	0
July 2033	182	144	144	112	13	182	182	182	0	0	182	182	182	0	0	182	182	182	0	0
July 2034	189	115	115	88	9	189	189	189	0	0	189	189	189	0	0	189	189	189	0	0
July 2035	197	91	91	69	6	197	197	197	0	0	197	197	197	0	0	197	197	197	0	0
July 2036	205	72	72	53	4	205	205	205	0	0	205	205	205	0	0	205	205	205	0	0
July 2037	214	56	56	41	2	214	214	214	0	0	214	214	214	0	0	214	214	214	0	0
July 2038	222	44	44	31	2	222	222	222	0	0	222	222	222	0	0	222	222	222	0	0
July 2039	231	33	33	24	1	231	231	231	0	0	231	231	231	0	0	231	231	231	0	0
July 2040	241	25	25	18	1	241	241	241	0	0	241	241	241	0	0	241	241	241	0	0
July 2041	251	19	19	13	0	251	251	251	0	0	251	251	251	0	0	251	251	251	0	0
July 2042	261	14	14	9	0	261	261	261	0	0	261	261	261	0	0	261	261	261	0	0
July 2043	271	10	10	6	0	271	271	271	0	0	271	271	271	0	0	271	271	271	0	0
July 2044	282	6	6	4	0	282	282	282	0	0	282	282	282	0	0	282	282	282	0	0
July 2045	244	4	4	3	0	294	294	294	0	0	294	294	294	0	0	294	294	294	0	0
July 2046	80	2	2	1	0	306	306	306	0	0	306	306	306	0	0	306	306	306	0	0
July 2047	1	1	1	1	0	318	318	318	0	0	318	318	318	0	0	318	318	318	0	0
July 2048	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average																				
Life (years)	27.6	18.1	18.1	17.1	11.4	30.0	29.8	29.7	2.5	1.0	30.0	29.8	29.8	2.5	1.0	30.0	29.8	29.7	2.5	1.0

Security Group 4 PSA Prepayment Assumption Rates																				
Distribution Date	Class CA					Class CB					Class CD					Class DA				
	0%	175%	295%	325%	600%	0%	175%	295%	325%	600%	0%	175%	295%	325%	600%	0%	175%	295%	325%	600%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2019	98	94	94	94	94	100	100	100	100	100	100	100	100	100	100	99	95	93	93	87
July 2020	97	82	82	82	79	100	100	100	100	100	100	100	100	100	100	98	87	80	78	64
July 2021	95	68	68	68	47	100	100	100	100	100	100	100	100	100	100	96	77	65	62	40
July 2022	93	55	55	55	26	100	100	100	100	100	100	100	100	100	100	95	67	53	49	25
July 2023	91	43	43	43	13	100	100	100	100	100	100	100	100	100	100	94	59	42	39	16
July 2024	89	33	33	33	5	100	100	100	100	100	100	100	100	100	100	92	52	34	31	10
July 2025	87	25	25	25	0	100	100	100	100	97	100	100	100	100	100	90	46	28	24	6
July 2026	84	17	17	17	0	100	100	100	100	55	100	100	100	100	100	89	40	22	19	4
July 2027	82	12	12	12	0	100	100	100	100	29	100	100	100	100	100	87	35	18	15	2
July 2028	79	7	7	7	0	100	100	100	100	13	100	100	100	100	100	85	30	14	12	2
July 2029	76	4	4	4	0	100	100	100	100	3	100	100	100	100	100	83	26	11	9	1
July 2030	73	1	1	1	0	100	100	100	100	0	100	100	100	100	74	80	23	9	7	1
July 2031	69	0	0	0	0	100	84	84	84	0	100	100	100	100	46	78	20	7	6	0
July 2032	66	0	0	0	0	100	62	62	62	0	100	100	100	100	28	75	17	6	4	0
July 2033	62	0	0	0	0	100	45	45	45	0	100	100	100	100	17	73	15	5	3	0
July 2034	58	0	0	0	0	100	31	31	31	0	100	100	100	100	11	70	12	4	3	0
July 2035	54	0	0	0	0	100	20	20	20	0	100	100	100	100	6	66	11	3	2	0
July 2036	49	0	0	0	0	100	12	12	12	0	100	100	100	100	4	63	9	2	1	0
July 2037	44	0	0	0	0	100	6	6	6	0	100	100	100	100	2	59	8	2	1	0
July 2038	39	0	0	0	0	100	1	1	1	0	100	100	100	100	1	56	6	1	1	0
July 2039	33	0	0	0	0	100	0	0	0	0	100	78	78	78	1	52	5	1	1	0
July 2040	27	0	0	0	0	100	0	0	0	0	100	57	57	57	0	47	4	1	0	0
July 2041	20	0	0	0	0	100	0	0	0	0	100	41	41	41	0	43	3	1	0	0
July 2042	14	0	0	0	0	100	0	0	0	0	100	29	29	29	0	38	3	0	0	0
July 2043	6	0	0	0	0	100	0	0	0	0	100	20	20	20	0	32	2	0	0	0
July 2044	0	0	0	0	0	79	0	0	0	0	100	13	13	13	0	27	1	0	0	0
July 2045	0	0	0	0	0	0	0	0	0	0	8	8	8	8	0	21	1	0	0	0
July 2046	0	0	0	0	0	0	0	0	0	0	4	4	4	4	0	14	1	0	0	0
July 2047	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	7	0	0	0	0
July 2048	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average																				
Life (years)	16.4	4.9	4.9	4.9	3.1	26.3	15.1	15.1	15.1	8.5	26.9	23.0	23.0	23.0	13.5	19.6	8.1	5.5	5.1	3.1

PSA Prepayment Assumption Rates															
Distribution Date	Class GA					Class GB					Class GZ				
	0%	175%	295%	325%	600%	0%	175%	295%	325%	600%	0%	175%	295%	325%	600%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2019	100	100	88	88	88	100	100	92	85	14	104	104	104	104	104
July 2020	100	100	63	63	0	100	100	77	55	0	107	107	107	107	0
July 2021	100	100	37	37	0	100	100	62	26	0	111	111	111	111	0
July 2022	100	100	18	18	0	100	100	53	9	0	115	115	115	115	0
July 2023	100	100	7	7	0	100	100	49	1	0	119	119	119	119	0
July 2024	100	100	1	1	0	100	100	48	0	0	123	123	123	123	0
July 2025	100	100	0	0	0	100	100	46	0	0	128	128	16	16	0
July 2026	100	96	0	0	0	100	100	42	0	0	132	132	16	16	0
July 2027	100	89	0	0	0	100	100	39	0	0	137	137	16	16	0
July 2028	100	80	0	0	0	100	100	34	0	0	142	142	16	16	0
July 2029	100	70	0	0	0	100	100	30	0	0	147	147	16	16	0
July 2030	100	59	0	0	0	100	100	26	0	0	152	152	16	16	0
July 2031	100	48	0	0	0	100	100	22	0	0	158	158	16	16	0
July 2032	100	38	0	0	0	100	100	19	0	0	163	163	16	16	0
July 2033	100	27	0	0	0	100	100	16	0	0	169	169	16	16	0
July 2034	100	18	0	0	0	100	100	13	0	0	175	175	16	16	0
July 2035	100	9	0	0	0	100	100	11	0	0	181	181	16	16	0
July 2036	100	0	0	0	0	100	100	9	0	0	188	188	16	16	0
July 2037	100	0	0	0	0	100	86	7	0	0	194	16	16	16	0
July 2038	100	0	0	0	0	100	73	6	0	0	201	16	16	16	0
July 2039	100	0	0	0	0	100	61	4	0	0	208	16	16	16	0
July 2040	100	0	0	0	0	100	50	3	0	0	216	16	16	16	0
July 2041	100	0	0	0	0	100	40	3	0	0	223	16	16	16	0
July 2042	100	0	0	0	0	100	32	2	0	0	231	16	16	16	0
July 2043	100	0	0	0	0	100	24	1	0	0	240	16	16	16	0
July 2044	100	0	0	0	0	100	18	1	0	0	248	16	16	16	0
July 2045	94	0	0	0	0	100	12	0	0	0	257	16	16	16	0
July 2046	48	0	0	0	0	100	7	0	0	0	266	16	16	16	0
July 2047	0	0	0	0	0	98	3	0	0	0	16	16	16	16	0
July 2048	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average															
Life (years)	28.0	12.8	2.6	2.6	1.4	29.5	22.6	7.7	2.3	0.7	29.0	19.0	9.4	9.4	1.9

Security Group 4 PSA Prepayment Assumption Rates															
Distribution Date	Class PB					Class PC					Class TZ				
	0%	175%	295%	325%	600%	0%	175%	295%	325%	600%	0%	175%	295%	325%	600%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2019	99	94	94	94	94	100	100	100	100	100	104	104	104	104	104
July 2020	97	83	83	83	81	100	100	100	100	100	107	107	107	107	0
July 2021	95	70	70	70	51	100	100	100	100	100	111	111	111	111	0
July 2022	94	58	58	58	32	100	100	100	100	100	115	115	115	115	0
July 2023	92	48	48	48	19	100	100	100	100	100	119	119	119	119	0
July 2024	90	38	38	38	12	100	100	100	100	100	123	123	123	10	0
July 2025	88	30	30	30	7	100	100	100	100	97	128	128	128	10	0
July 2026	85	23	23	23	4	100	100	100	100	61	132	132	132	10	0
July 2027	83	18	18	18	2	100	100	100	100	38	137	137	137	10	0
July 2028	80	14	14	14	1	100	100	100	100	24	142	142	142	10	0
July 2029	78	11	11	11	0	100	100	100	100	15	147	147	147	10	0
July 2030	75	8	8	8	0	100	100	100	100	9	152	152	152	10	0
July 2031	72	6	6	6	0	100	86	86	86	6	158	158	158	10	0
July 2032	68	5	5	5	0	100	67	67	67	3	163	163	163	10	0
July 2033	65	3	3	3	0	100	51	51	51	2	169	169	169	10	0
July 2034	61	2	2	2	0	100	40	40	40	1	175	175	175	10	0
July 2035	57	1	1	1	0	100	30	30	30	1	181	181	181	10	0
July 2036	53	1	1	1	0	100	23	23	23	0	188	188	188	10	0
July 2037	48	0	0	0	0	100	17	17	17	0	194	194	194	10	0
July 2038	43	0	0	0	0	100	13	13	13	0	201	201	201	10	0
July 2039	38	0	0	0	0	100	10	10	10	0	208	208	208	10	0
July 2040	32	0	0	0	0	100	7	7	7	0	216	216	216	10	0
July 2041	26	0	0	0	0	100	5	5	5	0	223	223	223	10	0
July 2042	20	0	0	0	0	100	4	4	4	0	231	231	231	10	0
July 2043	13	0	0	0	0	100	2	2	2	0	240	240	240	10	0
July 2044	6	0	0	0	0	82	2	2	2	0	248	248	248	10	0
July 2045	0	0	0	0	0	1	1	1	1	0	257	257	257	10	0
July 2046	0	0	0	0	0	0	0	0	0	0	266	266	266	10	0
July 2047	0	0	0	0	0	0	0	0	0	0	276	276	159	10	0
July 2048	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	17.1	5.7	5.7	5.7	3.5	26.4	16.1	16.1	16.1	9.1	30.0	29.7	29.1	7.6	1.1

Security Group 5 PSA Prepayment Assumption Rates															
Distribution Date	Classes DB, DC, DE, DG, DH and DI					Class DM					Class DN				
	0%	175%	245%	275%	500%	0%	175%	245%	275%	500%	0%	175%	245%	275%	500%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2019	98	94	94	94	94	100	100	100	100	100	100	100	100	100	100
July 2020	97	83	83	83	83	100	100	100	100	100	100	100	100	100	100
July 2021	95	69	69	69	52	100	100	100	100	100	100	100	100	100	100
July 2022	93	56	56	56	30	100	100	100	100	100	100	100	100	100	100
July 2023	91	44	44	44	15	100	100	100	100	100	100	100	100	100	100
July 2024	89	34	34	34	4	100	100	100	100	100	100	100	100	100	100
July 2025	87	25	25	25	0	100	100	100	100	79	100	100	100	100	100
July 2026	84	17	17	17	0	100	100	100	100	42	100	100	100	100	100
July 2027	81	10	10	10	0	100	100	100	100	16	100	100	100	100	100
July 2028	79	5	5	5	0	100	100	100	100	0	100	100	100	100	97
July 2029	76	1	1	1	0	100	100	100	100	0	100	100	100	100	66
July 2030	72	0	0	0	0	100	77	77	77	0	100	100	100	100	45
July 2031	69	0	0	0	0	100	54	54	54	0	100	100	100	100	30
July 2032	65	0	0	0	0	100	36	36	36	0	100	100	100	100	20
July 2033	62	0	0	0	0	100	21	21	21	0	100	100	100	100	14
July 2034	57	0	0	0	0	100	9	9	9	0	100	100	100	100	9
July 2035	53	0	0	0	0	100	0	0	0	0	100	98	98	98	6
July 2036	48	0	0	0	0	100	0	0	0	0	100	77	77	77	4
July 2037	43	0	0	0	0	100	0	0	0	0	100	61	61	61	3
July 2038	38	0	0	0	0	100	0	0	0	0	100	47	47	47	2
July 2039	32	0	0	0	0	100	0	0	0	0	100	36	36	36	1
July 2040	26	0	0	0	0	100	0	0	0	0	100	28	28	28	1
July 2041	20	0	0	0	0	100	0	0	0	0	100	21	21	21	0
July 2042	13	0	0	0	0	100	0	0	0	0	100	15	15	15	0
July 2043	5	0	0	0	0	100	0	0	0	0	100	11	11	11	0
July 2044	0	0	0	0	0	80	0	0	0	0	100	7	7	7	0
July 2045	0	0	0	0	0	16	0	0	0	0	100	5	5	5	0
July 2046	0	0	0	0	0	0	0	0	0	0	3	3	3	3	0
July 2047	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0
July 2048	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	16.2	4.9	4.9	4.9	3.3	26.5	13.5	13.5	13.5	7.9	27.6	20.6	20.6	20.6	12.5

Security Group 5 PSA Prepayment Assumption Rates															
Distribution Date	Classes EA, EB, EC, ED, EG and EI					Classes EH, EJ, EK, EL, EM and IE					Class EP				
	0%	175%	245%	275%	500%	0%	175%	245%	275%	500%	0%	175%	245%	275%	500%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2019	99	95	95	95	95	99	95	95	95	95	100	100	91	91	91
July 2020	97	85	85	85	85	97	86	86	86	85	100	100	70	70	0
July 2021	96	73	73	73	58	96	74	74	74	60	100	100	44	44	0
July 2022	94	61	61	61	38	94	63	63	63	41	100	100	25	25	0
July 2023	92	51	51	51	25	92	53	53	53	28	100	100	12	12	0
July 2024	90	42	42	42	16	91	44	44	44	19	100	100	4	4	0
July 2025	88	34	34	34	9	89	37	37	37	13	100	100	0	0	0
July 2026	86	27	27	27	5	87	30	30	30	9	100	98	0	0	0
July 2027	84	21	21	21	2	84	24	24	24	6	100	91	0	0	0
July 2028	81	16	16	16	0	82	20	20	20	4	100	81	0	0	0
July 2029	79	12	12	12	0	79	16	16	16	3	100	68	0	0	0
July 2030	76	9	9	9	0	77	13	13	13	2	100	54	0	0	0
July 2031	73	6	6	6	0	74	10	10	10	1	100	39	0	0	0
July 2032	70	4	4	4	0	71	8	8	8	1	100	23	0	0	0
July 2033	66	3	3	3	0	68	7	7	7	1	100	8	0	0	0
July 2034	62	1	1	1	0	64	5	5	5	0	100	0	0	0	0
July 2035	59	0	0	0	0	60	4	4	4	0	100	0	0	0	0
July 2036	54	0	0	0	0	56	3	3	3	0	100	0	0	0	0
July 2037	50	0	0	0	0	52	3	3	3	0	100	0	0	0	0
July 2038	45	0	0	0	0	48	2	2	2	0	100	0	0	0	0
July 2039	40	0	0	0	0	43	2	2	2	0	100	0	0	0	0
July 2040	35	0	0	0	0	38	1	1	1	0	100	0	0	0	0
July 2041	29	0	0	0	0	32	1	1	1	0	100	0	0	0	0
July 2042	23	0	0	0	0	26	1	1	1	0	100	0	0	0	0
July 2043	16	0	0	0	0	20	0	0	0	0	100	0	0	0	0
July 2044	9	0	0	0	0	13	0	0	0	0	100	0	0	0	0
July 2045	2	0	0	0	0	6	0	0	0	0	100	0	0	0	0
July 2046	0	0	0	0	0	0	0	0	0	0	81	0	0	0	0
July 2047	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2048	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	17.5	5.9	5.9	5.9	3.8	17.9	6.6	6.6	6.6	4.2	28.3	12.1	3.0	3.0	1.6

PSA Prepayment Assumption Rates															
Distribution Date	Class EU					Class EZ					Classes FE and SE				
	0%	175%	245%	275%	500%	0%	175%	245%	275%	500%	0%	175%	245%	275%	500%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2019	100	100	95	90	50	104	104	104	104	104	99	96	95	95	91
July 2020	100	100	83	65	0	107	107	107	107	0	98	88	85	83	72
July 2021	100	100	68	37	0	111	111	111	111	0	96	78	71	69	50
July 2022	100	100	58	18	0	115	115	115	115	0	95	69	60	56	35
July 2023	100	100	52	6	0	119	119	119	119	0	94	60	50	46	24
July 2024	100	100	49	1	0	123	123	123	123	0	92	53	42	38	16
July 2025	100	100	47	0	0	128	128	128	128	0	90	46	35	31	11
July 2026	100	100	46	0	0	132	132	132	0	0	89	41	29	25	8
July 2027	100	100	43	0	0	137	137	137	0	0	87	35	24	21	5
July 2028	100	100	40	0	0	142	142	142	0	0	85	31	20	17	4
July 2029	100	100	37	0	0	147	147	147	0	0	83	27	17	14	2
July 2030	100	100	33	0	0	152	152	152	0	0	80	23	14	11	2
July 2031	100	100	29	0	0	158	158	158	0	0	78	20	11	9	1
July 2032	100	100	26	0	0	163	163	163	0	0	75	17	9	7	1
July 2033	100	100	23	0	0	169	169	169	0	0	73	15	8	6	1
July 2034	100	95	19	0	0	175	175	175	0	0	70	13	6	5	0
July 2035	100	84	17	0	0	181	181	181	0	0	66	11	5	4	0
July 2036	100	73	14	0	0	188	188	188	0	0	63	9	4	3	0
July 2037	100	63	12	0	0	194	194	194	0	0	59	8	3	2	0
July 2038	100	54	10	0	0	201	201	201	0	0	56	6	3	2	0
July 2039	100	46	8	0	0	208	208	208	0	0	52	5	2	1	0
July 2040	100	38	6	0	0	216	216	216	0	0	47	4	2	1	0
July 2041	100	31	5	0	0	223	223	223	0	0	43	3	1	1	0
July 2042	100	25	4	0	0	231	231	231	0	0	38	3	1	1	0
July 2043	100	19	3	0	0	240	240	240	0	0	32	2	1	0	0
July 2044	100	14	2	0	0	248	248	248	0	0	27	2	0	0	0
July 2045	100	10	1	0	0	257	257	257	0	0	21	1	0	0	0
July 2046	100	6	1	0	0	266	266	266	0	0	14	1	0	0	0
July 2047	84	3	0	0	0	276	276	276	0	0	7	0	0	0	0
July 2048	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	29.4	21.1	8.8	2.7	1.0	30.0	29.9	29.6	7.1	1.5	19.6	8.2	6.5	6.0	3.7

Security Group 6 PSA Prepayment Assumption Rates															
Distribution Date	Classes IM, MC, MD, ME, MG, MH, MJ and MK					Class MA					Classes MB and MI				
	0%	100%	200%	300%	400%	0%	100%	200%	300%	400%	0%	100%	200%	300%	400%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2019	96	89	82	75	68	97	91	85	79	73	96	88	80	72	64
July 2020	93	79	67	55	45	93	82	72	63	54	92	77	63	49	37
July 2021	89	70	54	39	27	90	74	61	49	39	88	67	47	31	17
July 2022	85	61	42	27	14	86	67	51	39	28	84	57	34	16	2
July 2023	80	53	32	16	9	82	60	43	30	20	79	48	23	4	0
July 2024	76	46	24	11	7	77	53	36	23	14	74	39	13	0	0
July 2025	71	38	16	8	5	72	47	29	18	10	69	31	5	0	0
July 2026	65	31	11	6	3	67	41	24	13	7	64	23	0	0	0
July 2027	60	25	9	5	2	62	35	19	10	5	58	16	0	0	0
July 2028	54	19	7	3	2	56	30	15	7	3	52	10	0	0	0
July 2029	48	14	5	2	1	50	25	12	5	2	46	4	0	0	0
July 2030	41	9	4	2	1	44	20	9	4	2	39	0	0	0	0
July 2031	34	7	3	1	0	37	16	7	3	1	32	0	0	0	0
July 2032	27	6	2	1	0	29	12	5	2	1	25	0	0	0	0
July 2033	19	4	1	0	0	22	8	3	1	0	17	0	0	0	0
July 2034	11	2	1	0	0	14	5	2	1	0	9	0	0	0	0
July 2035	3	1	0	0	0	6	2	1	0	0	0	0	0	0	0
July 2036	1	0	0	0	0	2	1	0	0	0	0	0	0	0	0
July 2037	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2038	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2039	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2041	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2042	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2043	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2044	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2045	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	10.1	6.1	4.1	3.0	2.3	10.4	7.2	5.2	4.0	3.1	9.8	5.1	3.2	2.2	1.7

Security Group 7 PSA Prepayment Assumption Rates					
Distribution Date	Class MP				
	0%	100%	200%	300%	400%
Initial Percent	100	100	100	100	100
July 2019	95	85	75	64	54
July 2020	90	71	53	36	30
July 2021	84	57	35	28	22
July 2022	79	45	29	22	16
July 2023	73	34	24	17	11
July 2024	66	31	20	13	8
July 2025	60	27	17	10	5
July 2026	53	24	14	7	3
July 2027	45	21	11	5	2
July 2028	37	18	9	4	1
July 2029	32	16	7	2	1
July 2030	29	13	5	1	0
July 2031	26	11	4	1	0
July 2032	22	9	2	0	0
July 2033	19	7	1	0	0
July 2034	15	5	1	0	0
July 2035	11	3	0	0	0
July 2036	7	1	0	0	0
July 2037	4	0	0	0	0
July 2038	2	0	0	0	0
July 2039	0	0	0	0	0
July 2040	0	0	0	0	0
July 2041	0	0	0	0	0
July 2042	0	0	0	0	0
July 2043	0	0	0	0	0
July 2044	0	0	0	0	0
July 2045	0	0	0	0	0
July 2046	0	0	0	0	0
Weighted Average Life (years)	9.0	5.3	3.6	2.6	2.0

Security Group 8 PSA Prepayment Assumption Rates																				
Distribution Date	Class BA					Class BC					Class BD					Class BE				
	0%	175%	205%	250%	500%	0%	175%	205%	250%	500%	0%	175%	205%	250%	500%	0%	175%	205%	250%	500%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2019	99	96	95	94	91	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2020	97	87	86	83	70	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2021	96	76	73	69	47	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2022	94	66	62	56	30	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2023	93	57	53	46	19	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2024	91	50	44	37	11	100	100	100	100	100	100	100	100	100	48	100	100	100	100	100
July 2025	89	43	37	30	6	100	100	100	100	100	100	100	100	100	6	100	100	100	100	100
July 2026	87	36	31	24	2	100	100	100	100	100	100	100	100	100	0	100	100	100	100	66
July 2027	85	31	25	19	0	100	100	100	100	90	100	100	100	100	0	100	100	100	100	38
July 2028	83	26	21	14	0	100	100	100	100	61	100	74	74	74	0	100	100	100	100	18
July 2029	80	22	17	11	0	100	100	100	100	41	100	46	46	46	0	100	100	100	100	5
July 2030	78	18	13	8	0	100	100	100	100	28	100	22	22	22	0	100	100	100	100	0
July 2031	75	15	10	5	0	100	100	100	100	19	100	2	2	2	0	100	100	100	100	0
July 2032	72	12	8	3	0	100	100	100	100	13	100	0	0	0	0	100	80	80	80	0
July 2033	69	9	6	1	0	100	100	100	100	9	100	0	0	0	0	100	61	61	61	0
July 2034	66	7	4	0	0	100	100	100	100	6	100	0	0	0	0	100	45	45	45	0
July 2035	63	5	2	0	0	100	100	100	81	4	100	0	0	0	0	100	32	32	32	0
July 2036	59	3	1	0	0	100	100	100	65	2	100	0	0	0	0	100	21	21	21	0
July 2037	55	2	0	0	0	100	100	90	52	2	100	0	0	0	0	100	12	12	12	0
July 2038	51	0	0	0	0	100	100	73	41	1	100	0	0	0	0	100	4	4	4	0
July 2039	47	0	0	0	0	100	88	59	32	1	100	0	0	0	0	100	0	0	0	0
July 2040	42	0	0	0	0	100	72	47	25	0	100	0	0	0	0	100	0	0	0	0
July 2041	38	0	0	0	0	100	58	37	19	0	100	0	0	0	0	100	0	0	0	0
July 2042	32	0	0	0	0	100	45	28	14	0	100	0	0	0	0	100	0	0	0	0
July 2043	27	0	0	0	0	100	34	21	10	0	73	0	0	0	0	100	0	0	0	0
July 2044	21	0	0	0	0	100	25	15	7	0	27	0	0	0	0	100	0	0	0	0
July 2045	15	0	0	0	0	100	17	10	5	0	0	0	0	0	0	70	0	0	0	0
July 2046	8	0	0	0	0	100	10	6	3	0	0	0	0	0	0	0	0	0	0	0
July 2047	1	0	0	0	0	100	4	3	1	0	0	0	0	0	0	0	0	0	0	0
July 2048	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average																				
Life (years)	18.7	7.1	6.4	5.5	3.3	29.6	24.1	22.4	20.0	11.3	25.5	11.0	11.0	11.0	6.0	27.3	16.1	16.1	16.1	8.8

PSA Prepayment Assumption Rates																				
Distribution Date	Class BF					Class BG					Class BK					Class BU				
	0%	175%	205%	250%	500%	0%	175%	205%	250%	500%	0%	175%	205%	250%	500%	0%	175%	205%	250%	500%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2019	99	96	95	95	91	100	100	100	100	100	100	100	93	91	91	100	100	100	90	18
July 2020	97	88	86	84	72	100	100	100	100	100	100	100	78	70	0	100	100	100	66	0
July 2021	96	78	75	71	50	100	100	100	100	100	100	100	58	44	0	100	100	100	38	0
July 2022	95	68	64	59	34	100	100	100	100	100	100	100	44	25	0	100	100	100	19	0
July 2023	93	60	55	49	24	100	100	100	100	100	100	100	34	12	0	100	100	100	7	0
July 2024	91	52	48	41	16	100	100	100	100	100	100	100	27	5	0	100	100	100	2	0
July 2025	90	46	41	34	11	100	100	100	100	100	100	100	24	0	0	100	100	100	0	0
July 2026	88	40	35	28	8	100	100	100	100	100	100	99	22	0	0	100	100	100	0	0
July 2027	86	35	30	23	5	100	100	100	100	100	100	95	19	0	0	100	100	100	0	0
July 2028	84	30	25	19	4	100	100	100	100	100	100	88	14	0	0	100	100	100	0	0
July 2029	81	26	22	16	2	100	100	100	100	100	100	79	8	0	0	100	100	100	0	0
July 2030	79	23	18	13	2	100	100	100	100	82	100	68	1	0	0	100	100	100	0	0
July 2031	77	20	15	11	1	100	100	100	100	55	100	57	0	0	0	100	100	92	0	0
July 2032	74	17	13	9	1	100	100	100	100	37	100	45	0	0	0	100	100	83	0	0
July 2033	71	14	11	7	0	100	100	100	100	25	100	33	0	0	0	100	100	74	0	0
July 2034	68	12	9	6	0	100	100	100	100	17	100	21	0	0	0	100	100	66	0	0
July 2035	65	11	8	5	0	100	100	100	100	11	100	10	0	0	0	100	100	57	0	0
July 2036	61	9	6	4	0	100	100	100	100	7	100	0	0	0	0	100	100	50	0	0
July 2037	58	7	5	3	0	100	100	100	100	5	100	0	0	0	0	100	86	43	0	0
July 2038	54	6	4	2	0	100	100	100	100	3	100	0	0	0	0	100	74	36	0	0
July 2039	50	5	3	2	0	100	93	93	93	2	100	0	0	0	0	100	63	30	0	0
July 2040	46	4	3	1	0	100	72	72	72	1	100	0	0	0	0	100	53	25	0	0
July 2041	41	3	2	1	0	100	55	55	55	1	100	0	0	0	0	100	43	20	0	0
July 2042	36	3	2	1	0	100	41	41	41	0	100	0	0	0	0	100	35	16	0	0
July 2043	31	2	1	1	0	100	29	29	29	0	100	0	0	0	0	100	27	12	0	0
July 2044	26	1	1	0	0	100	20	20	20	0	100	0	0	0	0	100	20	9	0	0
July 2045	20	1	1	0	0	100	13	13	13	0	100	0	0	0	0	100	14	6	0	0
July 2046	14	1	0	0	0	84	8	8	8	0	100	0	0	0	0	100	8	4	0	0
July 2047	7	0	0	0	0	3	3	3	3	0	26	0	0	0	0	100	4	2	0	0
July 2048	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	8.1	7.3	6.4	3.7	28.2	23.9	23.9	23.9	14.0	28.8	13.5	4.7	3.0	1.3	29.6	22.8	18.8	2.7	0.7

Security Group 8 PSA Prepayment Assumption Rates															
Distribution Date	Class BZ					Classes FC and SC					Classes FG and SG				
	0%	175%	205%	250%	500%	0%	175%	205%	250%	500%	0%	175%	205%	250%	500%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2019	104	104	104	104	104	99	94	93	92	85	100	100	100	100	100
July 2020	107	107	107	107	0	98	85	83	80	65	100	100	100	100	90
July 2021	111	111	111	111	0	97	74	71	67	45	100	97	93	88	63
July 2022	115	115	115	115	0	95	65	61	55	31	100	85	80	74	43
July 2023	119	119	119	119	0	94	57	52	46	21	100	75	69	61	30
July 2024	123	123	123	123	0	93	49	45	38	14	100	65	59	51	20
July 2025	128	128	128	128	0	91	43	38	31	10	100	57	51	42	14
July 2026	132	132	132	9	0	89	37	32	26	7	100	50	44	35	9
July 2027	137	137	137	9	0	87	32	27	21	5	100	44	37	29	6
July 2028	142	142	142	9	0	86	28	23	17	3	100	38	32	24	4
July 2029	147	147	147	9	0	83	24	19	14	2	100	33	27	20	3
July 2030	152	152	152	9	0	81	20	16	11	1	99	28	23	16	2
July 2031	158	158	9	9	0	79	17	13	9	1	96	25	19	13	1
July 2032	163	163	9	9	0	76	14	11	7	1	92	21	16	11	1
July 2033	169	169	9	9	0	74	12	9	6	0	89	18	14	9	1
July 2034	175	175	9	9	0	71	10	7	5	0	85	15	11	7	0
July 2035	181	181	9	9	0	68	8	6	4	0	81	13	10	6	0
July 2036	188	9	9	9	0	64	7	5	3	0	77	11	8	5	0
July 2037	194	9	9	9	0	61	6	4	2	0	72	9	6	4	0
July 2038	201	9	9	9	0	57	5	3	2	0	68	8	5	3	0
July 2039	208	9	9	9	0	53	4	3	1	0	62	6	4	2	0
July 2040	216	9	9	9	0	48	3	2	1	0	57	5	3	2	0
July 2041	223	9	9	9	0	44	3	2	1	0	51	4	3	1	0
July 2042	231	9	9	9	0	39	2	1	1	0	45	3	2	1	0
July 2043	240	9	9	9	0	33	2	1	0	0	39	2	2	1	0
July 2044	248	9	9	9	0	28	1	1	0	0	32	2	1	1	0
July 2045	257	9	9	9	0	21	1	0	0	0	25	1	1	0	0
July 2046	266	9	9	9	0	15	0	0	0	0	17	1	0	0	0
July 2047	276	9	9	9	0	8	0	0	0	0	9	0	0	0	0
July 2048	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	29.3	18.5	13.2	8.9	1.7	19.8	7.5	6.8	5.9	3.4	22.5	9.7	8.7	7.6	4.4

Distribution Date	PSA Prepayment Assumption Rates																			
	Classes GF and GS					Classes HA, HB, HC, HD, HE, HG, HI, HJ, HK and HL					Classes HM, HN, HP, HQ, HT, HU, HV, HW, HY and IH					Class IO				
	0%	175%	205%	250%	500%	0%	175%	205%	250%	500%	0%	175%	205%	250%	500%	0%	175%	205%	250%	500%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2019	94	79	77	74	55	98	94	94	94	94	98	95	95	95	95	99	87	85	82	68
July 2020	87	40	32	21	0	96	82	82	82	76	97	84	84	84	79	98	75	72	67	46
July 2021	80	0	0	0	0	94	66	66	66	42	95	71	71	71	51	97	64	60	55	31
July 2022	73	0	0	0	0	92	52	52	52	18	93	59	59	59	31	96	55	51	45	21
July 2023	65	0	0	0	0	89	39	39	39	2	91	48	48	48	17	95	47	42	36	14
July 2024	57	0	0	0	0	87	28	28	28	0	89	39	39	39	7	94	39	35	29	9
July 2025	48	0	0	0	0	84	18	18	18	0	87	30	30	30	1	92	33	29	23	6
July 2026	39	0	0	0	0	81	9	9	9	0	84	23	23	23	0	91	27	23	18	4
July 2027	29	0	0	0	0	78	1	1	1	0	82	17	17	17	0	89	23	19	14	2
July 2028	18	0	0	0	0	75	0	0	0	0	79	11	11	11	0	88	18	15	11	2
July 2029	7	0	0	0	0	72	0	0	0	0	76	7	7	7	0	86	14	11	8	1
July 2030	0	0	0	0	0	68	0	0	0	0	73	3	3	3	0	84	11	9	6	1
July 2031	0	0	0	0	0	64	0	0	0	0	70	0	0	0	0	82	8	6	4	0
July 2032	0	0	0	0	0	60	0	0	0	0	67	0	0	0	0	79	6	4	3	0
July 2033	0	0	0	0	0	56	0	0	0	0	63	0	0	0	0	77	3	3	2	0
July 2034	0	0	0	0	0	52	0	0	0	0	59	0	0	0	0	74	2	1	1	0
July 2035	0	0	0	0	0	47	0	0	0	0	55	0	0	0	0	71	0	0	0	0
July 2036	0	0	0	0	0	41	0	0	0	0	51	0	0	0	0	68	0	0	0	0
July 2037	0	0	0	0	0	36	0	0	0	0	46	0	0	0	0	64	0	0	0	0
July 2038	0	0	0	0	0	30	0	0	0	0	41	0	0	0	0	60	0	0	0	0
July 2039	0	0	0	0	0	24	0	0	0	0	36	0	0	0	0	56	0	0	0	0
July 2040	0	0	0	0	0	17	0	0	0	0	30	0	0	0	0	52	0	0	0	0
July 2041	0	0	0	0	0	10	0	0	0	0	24	0	0	0	0	47	0	0	0	0
July 2042	0	0	0	0	0	3	0	0	0	0	18	0	0	0	0	42	0	0	0	0
July 2043	0	0	0	0	0	0	0	0	0	0	11	0	0	0	0	36	0	0	0	0
July 2044	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	30	0	0	0	0
July 2045	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23	0	0	0	0
July 2046	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	0	0	0	0
July 2047	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0
July 2048	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	6.5	1.7	1.6	1.4	1.0	15.1	4.4	4.4	4.4	2.8	16.7	5.4	5.4	5.4	3.3	20.5	5.6	5.1	4.5	2.5

Security Group 8 PSA Prepayment Assumption Rates															
Distribution Date	Class JT					Classes TA, TB, TC, TD, TE, TG, TH, TI, TK and TL					Class ZB				
	0%	175%	205%	250%	500%	0%	175%	205%	250%	500%	0%	175%	205%	250%	500%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2019	99	96	95	95	91	99	95	95	95	95	104	104	104	104	104
July 2020	97	88	86	84	72	97	86	86	86	81	107	107	107	107	0
July 2021	96	78	75	71	50	95	74	74	74	56	111	111	111	111	0
July 2022	95	68	64	59	34	94	63	63	63	38	115	115	115	115	0
July 2023	93	60	55	49	24	92	53	53	53	25	119	119	119	119	0
July 2024	91	52	48	41	16	90	45	45	45	17	123	123	123	123	0
July 2025	90	46	41	34	11	88	37	37	37	11	128	128	128	21	0
July 2026	88	40	35	28	8	86	30	30	30	7	132	132	132	21	0
July 2027	86	35	30	23	5	84	25	25	25	4	137	137	137	21	0
July 2028	84	30	25	19	4	81	20	20	20	2	142	142	142	21	0
July 2029	82	26	22	16	2	79	16	16	16	0	147	147	147	21	0
July 2030	79	23	18	13	2	76	13	13	13	0	152	152	152	21	0
July 2031	77	20	15	11	1	73	10	10	10	0	158	158	158	21	0
July 2032	74	17	13	9	1	70	8	8	8	0	163	163	163	21	0
July 2033	71	15	11	7	0	67	6	6	6	0	169	169	169	21	0
July 2034	68	12	9	6	0	63	4	4	4	0	175	175	175	21	0
July 2035	65	11	8	5	0	59	3	3	3	0	181	181	181	21	0
July 2036	62	9	6	4	0	55	2	2	2	0	188	188	188	21	0
July 2037	58	7	5	3	0	51	1	1	1	0	194	194	194	21	0
July 2038	54	6	4	2	0	47	0	0	0	0	201	201	201	21	0
July 2039	50	5	3	2	0	42	0	0	0	0	208	208	208	21	0
July 2040	46	4	3	1	0	37	0	0	0	0	216	216	216	21	0
July 2041	41	3	2	1	0	32	0	0	0	0	223	223	223	21	0
July 2042	36	3	2	1	0	26	0	0	0	0	231	231	231	21	0
July 2043	31	2	1	1	0	20	0	0	0	0	240	240	240	21	0
July 2044	26	1	1	0	0	14	0	0	0	0	248	248	248	21	0
July 2045	20	1	1	0	0	7	0	0	0	0	257	257	257	21	0
July 2046	14	1	0	0	0	0	0	0	0	0	266	266	266	21	0
July 2047	7	0	0	0	0	0	0	0	0	0	276	276	276	21	0
July 2048	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	19.3	8.1	7.3	6.4	3.7	17.7	6.4	6.4	6.4	3.9	30.0	29.9	29.9	10.7	1.1

Security Group 9 PSA Prepayment Assumption Rates																				
Distribution Date	Classes AB, AC, AD, AE, AG and AI					Classes AH, AJ, AK, AL, AM and IA					Class AX					Class AY				
	0%	150%	200%	250%	400%	0%	150%	200%	250%	400%	0%	150%	200%	250%	400%	0%	150%	200%	250%	400%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2019	98	95	94	93	90	99	96	95	94	91	100	100	100	100	100	100	100	100	100	100
July 2020	97	86	83	80	70	97	88	85	82	73	100	100	100	100	100	100	100	100	100	100
July 2021	95	74	68	62	46	95	77	71	66	51	100	100	100	100	100	100	100	100	100	100
July 2022	93	63	55	47	27	94	67	60	53	35	100	100	100	100	100	100	100	100	100	100
July 2023	91	53	43	34	13	92	58	49	41	22	100	100	100	100	100	100	100	100	100	100
July 2024	89	44	33	24	2	90	50	40	32	12	100	100	100	100	100	100	100	100	100	100
July 2025	87	36	25	15	0	88	43	33	24	5	100	100	100	100	50	100	100	100	100	100
July 2026	84	29	17	7	0	86	36	26	17	0	100	100	100	100	0	100	100	100	100	100
July 2027	82	22	11	1	0	84	31	20	12	0	100	100	100	100	0	100	100	100	100	74
July 2028	79	16	5	0	0	81	25	15	7	0	100	100	100	66	0	100	100	100	100	54
July 2029	76	11	0	0	0	79	21	10	3	0	100	100	99	29	0	100	100	100	100	40
July 2030	73	6	0	0	0	76	16	7	0	0	100	100	63	0	0	100	100	100	99	30
July 2031	70	2	0	0	0	73	12	3	0	0	100	100	32	0	0	100	100	100	81	22
July 2032	66	0	0	0	0	70	9	0	0	0	100	84	4	0	0	100	100	100	66	16
July 2033	63	0	0	0	0	67	6	0	0	0	100	55	0	0	0	100	100	87	54	12
July 2034	59	0	0	0	0	63	3	0	0	0	100	29	0	0	0	100	100	73	44	8
July 2035	55	0	0	0	0	59	1	0	0	0	100	5	0	0	0	100	100	61	35	6
July 2036	50	0	0	0	0	56	0	0	0	0	100	0	0	0	0	100	89	51	28	4
July 2037	46	0	0	0	0	51	0	0	0	0	100	0	0	0	0	100	76	42	22	3
July 2038	41	0	0	0	0	47	0	0	0	0	100	0	0	0	0	100	64	34	18	2
July 2039	35	0	0	0	0	42	0	0	0	0	100	0	0	0	0	100	54	28	14	2
July 2040	30	0	0	0	0	37	0	0	0	0	100	0	0	0	0	100	44	22	11	1
July 2041	24	0	0	0	0	32	0	0	0	0	100	0	0	0	0	100	36	17	8	1
July 2042	18	0	0	0	0	26	0	0	0	0	100	0	0	0	0	100	29	13	6	0
July 2043	11	0	0	0	0	20	0	0	0	0	100	0	0	0	0	100	22	10	4	0
July 2044	4	0	0	0	0	14	0	0	0	0	100	0	0	0	0	100	17	7	3	0
July 2045	0	0	0	0	0	7	0	0	0	0	71	0	0	0	0	100	11	5	2	0
July 2046	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	100	7	3	1	0
July 2047	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	53	3	1	0	0
July 2048	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	16.7	5.9	4.9	4.2	3.0	17.8	6.9	5.7	4.8	3.4	27.3	15.3	12.5	10.5	7.0	29.1	22.0	19.0	16.5	11.2

**Security Group 9
PSA Prepayment Assumption Rates**

Distribution Date	Classes BH, BI, BJ, BL, BM and BN					Classes FT and ST					Classes G, GK, GL, GM, GN and IG					Classes GC, GD, GE, GH, GI and GJ				
	0%	150%	200%	250%	400%	0%	150%	200%	250%	400%	0%	150%	200%	250%	400%	0%	150%	200%	250%	400%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2019	99	96	96	95	93	99	96	96	95	93	98	95	95	95	95	98	94	94	94	94
July 2020	97	89	87	84	77	97	89	87	84	77	97	86	86	86	86	96	84	84	84	84
July 2021	96	80	75	71	58	96	80	75	71	58	95	74	74	74	67	94	70	70	70	62
July 2022	95	71	65	59	43	95	71	65	59	43	93	63	63	63	48	92	57	57	57	40
July 2023	93	64	56	49	32	93	64	56	49	32	91	53	53	53	33	90	46	46	46	23
July 2024	91	57	48	41	24	91	57	48	41	24	89	44	44	44	22	87	35	35	35	11
July 2025	90	51	42	34	18	90	51	42	34	18	86	35	35	35	14	84	26	26	26	2
July 2026	88	45	36	28	13	88	45	36	28	13	84	28	28	28	8	82	17	17	17	0
July 2027	86	40	31	23	10	86	40	31	23	10	81	22	22	22	4	79	10	10	10	0
July 2028	84	35	26	19	7	84	35	26	19	7	79	16	16	16	1	76	4	4	4	0
July 2029	81	31	22	16	5	81	31	22	16	5	76	12	12	12	0	72	0	0	0	0
July 2030	79	27	19	13	4	79	27	19	13	4	73	8	8	8	0	69	0	0	0	0
July 2031	77	24	16	11	3	77	24	16	11	3	69	5	5	5	0	65	0	0	0	0
July 2032	74	21	14	9	2	74	21	14	9	2	66	3	3	3	0	61	0	0	0	0
July 2033	71	18	12	7	2	71	18	11	7	2	62	0	0	0	0	57	0	0	0	0
July 2034	68	16	10	6	1	68	16	10	6	1	58	0	0	0	0	52	0	0	0	0
July 2035	65	14	8	5	1	65	14	8	5	1	54	0	0	0	0	47	0	0	0	0
July 2036	61	12	7	4	1	61	12	7	4	1	50	0	0	0	0	42	0	0	0	0
July 2037	58	10	6	3	0	58	10	5	3	0	45	0	0	0	0	37	0	0	0	0
July 2038	54	8	5	2	0	54	8	4	2	0	40	0	0	0	0	31	0	0	0	0
July 2039	50	7	4	2	0	50	7	4	2	0	35	0	0	0	0	25	0	0	0	0
July 2040	46	6	3	1	0	46	6	3	1	0	29	0	0	0	0	18	0	0	0	0
July 2041	41	5	2	1	0	41	5	2	1	0	23	0	0	0	0	12	0	0	0	0
July 2042	36	4	2	1	0	36	4	2	1	0	17	0	0	0	0	4	0	0	0	0
July 2043	31	3	1	1	0	31	3	1	1	0	10	0	0	0	0	0	0	0	0	0
July 2044	26	2	1	0	0	26	2	1	0	0	3	0	0	0	0	0	0	0	0	0
July 2045	20	2	1	0	0	20	1	1	0	0	0	0	0	0	0	0	0	0	0	0
July 2046	14	1	0	0	0	14	1	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2047	7	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2048	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	19.3	8.9	7.4	6.4	4.5	19.3	8.9	7.4	6.4	4.4	16.5	5.9	5.9	5.9	4.3	15.2	4.9	4.9	4.9	3.7

PSA Prepayment Assumption Rates

Distribution Date	Class GP					Class GQ					Classes GT, GU and GW					Class GX				
	0%	150%	200%	250%	400%	0%	150%	200%	250%	400%	0%	150%	200%	250%	400%	0%	150%	200%	250%	400%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2019	100	100	91	91	91	100	100	100	100	100	100	100	99	91	65	100	100	100	100	100
July 2020	100	100	71	71	55	100	100	100	100	100	100	100	97	69	0	100	100	100	100	100
July 2021	100	100	46	46	0	100	100	100	100	100	100	100	95	43	0	100	100	100	100	100
July 2022	100	100	26	26	0	100	100	100	100	100	100	100	93	24	0	100	100	100	100	100
July 2023	100	100	12	12	0	100	100	100	100	100	100	100	92	13	0	100	100	100	100	100
July 2024	100	100	2	2	0	100	100	100	100	100	100	100	91	7	0	100	100	100	100	100
July 2025	100	100	0	0	0	100	100	100	100	100	100	100	88	1	0	100	100	100	100	100
July 2026	100	100	0	0	0	100	100	100	100	65	100	100	85	0	0	100	100	100	100	79
July 2027	100	97	0	0	0	100	100	100	100	30	100	100	82	0	0	100	100	100	100	59
July 2028	100	90	0	0	0	100	100	100	100	5	100	100	78	0	0	100	100	100	100	43
July 2029	100	80	0	0	0	100	92	92	92	0	100	100	73	0	0	100	95	95	95	32
July 2030	100	69	0	0	0	100	63	63	63	0	100	100	67	0	0	100	78	78	78	23
July 2031	100	56	0	0	0	100	40	40	40	0	100	100	61	0	0	100	64	64	64	17
July 2032	100	43	0	0	0	100	20	20	20	0	100	100	55	0	0	100	52	52	52	13
July 2033	100	29	0	0	0	100	4	4	4	0	100	100	49	0	0	100	43	43	43	9
July 2034	100	15	0	0	0	100	0	0	0	0	100	100	44	0	0	100	34	34	34	7
July 2035	100	2	0	0	0	100	0	0	0	0	100	100	38	0	0	100	28	28	28	5
July 2036	100	0	0	0	0	100	0	0	0	0	100	90	33	0	0	100	22	22	22	3
July 2037	100	0	0	0	0	100	0	0	0	0	100	79	28	0	0	100	18	18	18	2
July 2038	100	0	0	0	0	100	0	0	0	0	100	69	24	0	0	100	14	14	14	2
July 2039	100	0	0	0	0	100	0	0	0	0	100	59	20	0	0	100	11	11	11	1
July 2040	100	0	0	0	0	100	0	0	0	0	100	50	17	0	0	100	8	8	8	1
July 2041	100	0	0	0	0	100	0	0	0	0	100	41	13	0	0	100	6	6	6	1
July 2042	100	0	0	0	0	100	0	0	0	0	100	33	11	0	0	100	5	5	5	0
July 2043	100	0	0	0	0	77	0	0	0	0	100	26	8	0	0	86	3	3	3	0
July 2044	100	0	0	0	0	21	0	0	0	0	100	19	6	0	0	53	2	2	2	0
July 2045	100	0	0	0	0	0	0	0	0	0	100	13	4	0	0	18	1	1	1	0
July 2046	58	0	0	0	0	0	0	0	0	0	100	8	2	0	0	1	1	1	1	0
July 2047	0	0	0	0	0	0	0	0	0	0	78	3	1	0	0	0	0	0	0	0
July 2048	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	28.1	13.3	3.0	3.0	1.9	25.5	12.7	12.7	12.7	8.5	29.4	22.4	15.1	3.0	1.2	26.1	15.4	15.4	15.4	10.5

Security Group 9 PSA Prepayment Assumption Rates															
Distribution Date	Class GY					Classes JB, JC, JD, JE, JG and JI					Class ZG				
	0%	150%	200%	250%	400%	0%	150%	200%	250%	400%	0%	150%	200%	250%	400%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2019	100	100	100	100	100	99	96	96	96	96	104	104	104	104	104
July 2020	100	100	100	100	100	97	87	87	87	87	107	107	107	107	0
July 2021	100	100	100	100	100	95	76	76	76	69	111	111	111	111	0
July 2022	100	100	100	100	100	94	66	66	66	52	115	115	115	115	0
July 2023	100	100	100	100	100	92	56	56	56	39	119	119	119	119	0
July 2024	100	100	100	100	100	90	48	48	48	29	123	123	123	123	0
July 2025	100	100	100	100	100	88	41	41	41	21	128	128	128	128	0
July 2026	100	100	100	100	100	85	34	34	34	16	132	132	132	0	0
July 2027	100	100	100	100	100	83	28	28	28	12	137	137	137	0	0
July 2028	100	100	100	100	100	80	23	23	23	9	142	142	142	0	0
July 2029	100	100	100	100	79	78	19	19	19	6	147	147	147	0	0
July 2030	100	100	100	100	58	75	16	16	16	5	152	152	152	0	0
July 2031	100	100	100	100	42	72	13	13	13	3	158	158	158	0	0
July 2032	100	100	100	100	31	69	10	10	10	3	163	163	163	0	0
July 2033	100	100	100	100	23	65	9	9	9	2	169	169	169	0	0
July 2034	100	85	85	85	16	62	7	7	7	1	175	175	175	0	0
July 2035	100	69	69	69	12	58	6	6	6	1	181	181	181	0	0
July 2036	100	55	55	55	8	54	4	4	4	1	188	188	188	0	0
July 2037	100	44	44	44	6	49	4	4	4	0	194	194	194	0	0
July 2038	100	35	35	35	4	45	3	3	3	0	201	201	201	0	0
July 2039	100	27	27	27	3	40	2	2	2	0	208	208	208	0	0
July 2040	100	21	21	21	2	35	2	2	2	0	216	216	216	0	0
July 2041	100	16	16	16	1	29	1	1	1	0	223	223	223	0	0
July 2042	100	12	12	12	1	23	1	1	1	0	231	231	231	0	0
July 2043	100	8	8	8	1	17	1	1	1	0	240	240	240	0	0
July 2044	100	6	6	6	0	11	0	0	0	0	248	248	248	0	0
July 2045	45	4	4	4	0	4	0	0	0	0	257	257	257	0	0
July 2046	2	2	2	2	0	0	0	0	0	0	266	266	266	0	0
July 2047	1	1	1	1	0	0	0	0	0	0	276	276	276	0	0
July 2048	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average															
Life (years)	27.0	19.4	19.4	19.4	13.4	17.4	7.0	7.0	7.0	5.0	30.0	29.7	29.7	7.7	1.9

Security Group 10 PSA Prepayment Assumption Rates					
Distribution Date	Class QS				
	0%	100%	200%	300%	400%
Initial Percent	100	100	100	100	100
July 2019	99	97	95	93	91
July 2020	97	91	86	80	75
July 2021	96	84	74	65	56
July 2022	94	78	64	52	42
July 2023	92	72	55	42	31
July 2024	90	66	48	34	23
July 2025	88	61	41	27	17
July 2026	86	56	35	22	13
July 2027	84	51	30	17	9
July 2028	82	46	26	14	7
July 2029	80	42	22	11	5
July 2030	77	38	19	9	4
July 2031	74	35	16	7	3
July 2032	72	31	13	5	2
July 2033	69	28	11	4	1
July 2034	66	25	9	3	1
July 2035	62	23	8	3	1
July 2036	59	20	7	2	1
July 2037	55	18	5	2	0
July 2038	51	15	4	1	0
July 2039	47	13	4	1	0
July 2040	43	11	3	1	0
July 2041	38	9	2	0	0
July 2042	34	8	2	0	0
July 2043	28	6	1	0	0
July 2044	23	5	1	0	0
July 2045	18	3	1	0	0
July 2046	12	2	0	0	0
July 2047	5	1	0	0	0
July 2048	0	0	0	0	0
Weighted Average					
Life (years)	18.7	10.9	7.3	5.5	4.3

**Security Group 11
PSA Prepayment Assumption Rates**

Distribution Date	Class JA					Class JZ				
	0%	100%	230%	400%	500%	0%	100%	230%	400%	500%
Initial Percent	100	100	100	100	100	100	100	100	100	100
July 2019	100	100	96	43	13	103	103	103	103	103
July 2020	100	100	77	0	0	106	106	106	0	0
July 2021	100	100	59	0	0	109	109	109	0	0
July 2022	100	100	47	0	0	113	113	113	0	0
July 2023	100	100	40	0	0	116	116	116	0	0
July 2024	100	100	36	0	0	120	120	120	0	0
July 2025	100	100	34	0	0	123	123	123	0	0
July 2026	100	100	32	0	0	127	127	127	0	0
July 2027	100	100	29	0	0	131	131	131	0	0
July 2028	100	100	27	0	0	135	135	135	0	0
July 2029	100	100	24	0	0	139	139	139	0	0
July 2030	100	100	22	0	0	143	143	143	0	0
July 2031	100	100	19	0	0	148	148	148	0	0
July 2032	100	100	17	0	0	152	152	152	0	0
July 2033	100	100	15	0	0	157	157	157	0	0
July 2034	100	100	13	0	0	162	162	162	0	0
July 2035	100	100	11	0	0	166	166	166	0	0
July 2036	100	100	9	0	0	171	171	171	0	0
July 2037	100	100	8	0	0	177	177	177	0	0
July 2038	100	100	6	0	0	182	182	182	0	0
July 2039	100	100	5	0	0	188	188	188	0	0
July 2040	100	86	4	0	0	193	193	193	0	0
July 2041	100	72	3	0	0	199	199	199	0	0
July 2042	100	59	2	0	0	205	205	205	0	0
July 2043	100	46	2	0	0	212	212	212	0	0
July 2044	100	34	1	0	0	218	218	218	0	0
July 2045	100	22	1	0	0	225	225	225	0	0
July 2046	67	12	0	0	0	231	231	231	0	0
July 2047	11	2	0	0	0	238	238	238	0	0
July 2048	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	28.3	24.8	6.9	0.9	0.7	29.2	29.2	29.2	1.5	1.1

**Security Groups 3 and 11
PSA Prepayment Assumption Rates**

Distribution Date	Class JK					
	0%	100%	180%	230%	300%	500%
Initial Percent	100	100	100	100	100	100
July 2019	100	100	100	96	78	26
July 2020	100	100	100	79	35	2
July 2021	100	100	100	62	9	0
July 2022	100	100	100	51	4	0
July 2023	100	100	100	44	2	0
July 2024	100	100	100	40	0	0
July 2025	100	100	100	38	0	0
July 2026	100	100	100	36	0	0
July 2027	100	100	99	34	0	0
July 2028	100	100	97	31	0	0
July 2029	100	100	90	28	0	0
July 2030	100	100	83	25	0	0
July 2031	100	100	75	22	0	0
July 2032	100	100	68	20	0	0
July 2033	100	100	60	17	0	0
July 2034	100	100	53	15	0	0
July 2035	100	100	47	13	0	0
July 2036	100	100	40	11	0	0
July 2037	100	99	35	9	0	0
July 2038	100	96	29	7	0	0
July 2039	100	94	25	6	0	0
July 2040	100	81	20	5	0	0
July 2041	100	68	16	4	0	0
July 2042	100	56	13	3	0	0
July 2043	100	44	10	2	0	0
July 2044	100	32	7	1	0	0
July 2045	100	22	4	1	0	0
July 2046	70	12	2	0	0	0
July 2047	18	3	0	0	0	0
July 2048	0	0	0	0	0	0
Weighted Average Life (years)	28.4	24.6	17.2	7.5	1.8	0.8

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 6, 7, 10 and 11 Securities, the investor's own projection of payment rates on the Underlying Certificates under a variety of scenarios and, in the case of a Floating Rate or an Inverse Floating Rate Class, the investor's own projection of levels of 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, slower than anticipated rates of principal payments could result in actual yields to investors that are lower than the anticipated yields.

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

Rapid rates of prepayments on the Mortgage Loans are likely to coincide with periods of low prevailing interest rates.

During periods of low prevailing interest rates, the yields at which an investor may be able to reinvest amounts received as principal payments on the investor's Class of Securities may be lower than the yield on that Class.

Slow rates of prepayments on the Mortgage Loans are likely to coincide with periods of high prevailing interest rates.

During periods of high prevailing interest rates, the amount of principal payments available to an investor for reinvestment at those high rates may be relatively low.

The Mortgage Loans will not prepay at any constant rate until maturity, nor will all of the Mortgage Loans underlying any Trust Asset Group prepay at the same rate at any one time. The timing of changes in the rate of prepayments may affect the actual yield to an investor, even if the average rate of principal prepayments is consistent with the investor's expectation. In general, the earlier a prepayment of principal on the Mortgage Loans, the greater the effect on an investor's yield. As a result, the effect on an investor's yield of principal prepayments occurring at a rate higher (or lower) than the rate anticipated by the investor during the period immediately following the Closing Date is not likely to be offset by a later equivalent reduction (or increase) in the rate of principal prepayments.

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

Low levels of LIBOR can reduce the yield of the Floating Rate Classes. High levels of LIBOR can significantly reduce the yield of the Inverse Floating Rate Classes. In addition, the Floating Rate Classes

will not benefit from a higher yield at high levels of LIBOR and Class LI 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 50 days earlier.

Yield Tables

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

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, and
2. converting the monthly rates to corporate bond equivalent rates.

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

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

SECURITY GROUP 1

Sensitivity of Class IL to Prepayments Assumed Price 16.0%*

PSA Prepayment Assumption Rates				
<u>100%</u>	<u>200%</u>	<u>289%</u>	<u>300%</u>	<u>400%</u>
18.6%	9.1%	0.0%	(1.1)%	(11.4)%

Sensitivity of Class SA to Prepayments Assumed Price 15.5%*

<u>LIBOR</u>	PSA Prepayment Assumption Rates			
	<u>100%</u>	<u>200%</u>	<u>300%</u>	<u>400%</u>
0.250000%	33.9%	28.9%	23.8%	18.7%
2.086250%	20.3%	15.0%	9.7%	4.2%
4.118125%	5.1%	(0.5)%	(6.2)%	(12.1)%
6.150000% and above	**	**	**	**

Sensitivity of Class SB to Prepayments Assumed Price 15.5%*

<u>LIBOR</u>	PSA Prepayment Assumption Rates			
	<u>100%</u>	<u>200%</u>	<u>300%</u>	<u>400%</u>
0.250000%	33.9%	28.9%	23.8%	18.7%
2.086250%	20.3%	15.0%	9.7%	4.2%
4.118125%	5.1%	(0.5)%	(6.2)%	(12.1)%
6.150000% and above	**	**	**	**

SECURITY GROUP 2

Sensitivity of Class DS to Prepayments Assumed Price 12.75%*

<u>LIBOR</u>	PSA Prepayment Assumption Rates			
	<u>100%</u>	<u>230%</u>	<u>400%</u>	<u>500%</u>
0.250000%	44.3%	38.0%	29.6%	24.5%
2.012970%	28.1%	21.5%	12.5%	7.2%
4.106485%	9.2%	2.1%	(7.7)%	(13.6)%
6.200000% 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 SD to Prepayments
Assumed Price 12.75%*

<u>LIBOR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>100%</u>	<u>230%</u>	<u>400%</u>	<u>500%</u>
0.250000%	44.3%	38.0%	29.6%	24.5%
2.012970%	28.1%	21.5%	12.5%	7.2%
4.106485%	9.2%	2.1%	(7.7)%	(13.6)%
6.200000% and above	**	**	**	**

SECURITY GROUP 3

Sensitivity of Class KS to Prepayments
Assumed Price 102.0%*

<u>LIBOR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>180%</u>	<u>230%</u>	<u>300%</u>	<u>500%</u>
0.250000%	15.0%	14.8%	13.9%	12.6%
2.077500%	7.6%	7.4%	6.6%	5.6%
3.038750%	3.7%	3.6%	2.8%	1.9%
4.000000% and above	(0.1)%	(0.2)%	(0.9)%	(1.7)%

Sensitivity of Class LI to Prepayments
Assumed Price 0.5%*

<u>LIBOR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>180%</u>	<u>230%</u>	<u>300%</u>	<u>500%</u>
6.200% and below	(3.2)%	(6.0)%	(10.0)%	(22.0)%
6.225%	(10.5)%	(13.4)%	(17.4)%	(29.7)%
6.250% and above	**	**	**	**

Sensitivity of Class SH to Prepayments
Assumed Price 14.5%*

<u>LIBOR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>180%</u>	<u>230%</u>	<u>300%</u>	<u>500%</u>
0.250000%	34.3%	31.9%	28.5%	18.6%
2.077500%	19.5%	16.9%	13.3%	2.7%
4.163750%	2.5%	(0.3)%	(4.2)%	(15.8)%
6.250000% and above	**	**	**	**

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

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

Sensitivity of Class SJ to Prepayments
Assumed Price 14.85%*

<u>LIBOR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>180%</u>	<u>230%</u>	<u>300%</u>	<u>500%</u>
0.25000%	33.1%	30.7%	27.3%	17.4%
2.07750%	18.7%	16.1%	12.4%	1.8%
4.16375%	2.1%	(0.7)%	(4.6)%	(16.3)%
6.25000% and above	**	**	**	**

Sensitivity of Class SK to Prepayments
Assumed Price 14.7%*

<u>LIBOR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>180%</u>	<u>230%</u>	<u>300%</u>	<u>500%</u>
0.25000%	33.2%	30.8%	27.4%	17.5%
2.07750%	18.6%	16.0%	12.4%	1.7%
4.13875%	2.1%	(0.7)%	(4.7)%	(16.3)%
6.20000% and above	**	**	**	**

Sensitivity of Class SL to Prepayments
Assumed Price 14.5%*

<u>LIBOR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>180%</u>	<u>230%</u>	<u>300%</u>	<u>500%</u>
0.25000%	34.3%	31.9%	28.5%	18.6%
2.07750%	19.5%	16.9%	13.3%	2.7%
4.16375%	2.5%	(0.3)%	(4.2)%	(15.8)%
6.25000% and above	**	**	**	**

Sensitivity of Class SM to Prepayments
Assumed Price 14.5%*

<u>LIBOR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>180%</u>	<u>230%</u>	<u>300%</u>	<u>500%</u>
0.25000%	34.3%	31.9%	28.5%	18.6%
2.07750%	19.5%	16.9%	13.3%	2.7%
4.16375%	2.5%	(0.3)%	(4.2)%	(15.8)%
6.25000% and above	**	**	**	**

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

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

Sensitivity of Class SN to Prepayments
Assumed Price 14.5%*

<u>LIBOR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>180%</u>	<u>230%</u>	<u>300%</u>	<u>500%</u>
0.25000%	34.3%	31.9%	28.5%	18.6%
2.07750%	19.5%	16.9%	13.3%	2.7%
4.16375%	2.5%	(0.3)%	(4.2)%	(15.8)%
6.25000% and above	**	**	**	**

Sensitivity of Class SY to Prepayments
Assumed Price 100.5%*

<u>LIBOR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>180%</u>	<u>230%</u>	<u>300%</u>	<u>500%</u>
0.25000%	15.3%	15.3%	14.4%	13.1%
2.07750%	7.7%	7.7%	7.2%	6.2%
3.03875%	3.8%	3.8%	3.4%	2.7%
4.00000% and above	0.0%	0.0%	(0.3)%	(0.8)%

Sensitivity of Class WS to Prepayments
Assumed Price 102.75%*

<u>LIBOR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>180%</u>	<u>230%</u>	<u>300%</u>	<u>500%</u>
0.25000%	14.9%	14.4%	13.6%	12.3%
2.07750%	7.5%	7.1%	6.3%	5.2%
3.03875%	3.6%	3.3%	2.6%	1.5%
4.00000% and above	(0.2)%	(0.4)%	(1.1)%	(2.1)%

Sensitivity of Class YS to Prepayments
Assumed Price 102.75%*

<u>LIBOR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>180%</u>	<u>230%</u>	<u>300%</u>	<u>500%</u>
0.25000%	14.9%	14.4%	13.6%	12.3%
2.07750%	7.5%	7.1%	6.3%	5.2%
3.03875%	3.6%	3.3%	2.6%	1.5%
4.00000% and above	(0.2)%	(0.4)%	(1.1)%	(2.1)%

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

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

SECURITY GROUP 5

Sensitivity of Class DI to Prepayments Assumed Price 22.25%*

PSA Prepayment Assumption Rates				
<u>175%</u>	<u>245%</u>	<u>275%</u>	<u>317%</u>	<u>500%</u>
2.7%	2.7%	2.7%	0.1%	(14.1)%

Sensitivity of Class EI to Prepayments Assumed Price 26.25%*

PSA Prepayment Assumption Rates				
<u>175%</u>	<u>245%</u>	<u>275%</u>	<u>324%</u>	<u>500%</u>
2.7%	2.7%	2.7%	0.0%	(11.6)%

Sensitivity of Class IE to Prepayments Assumed Price 28.5%*

PSA Prepayment Assumption Rates				
<u>175%</u>	<u>245%</u>	<u>275%</u>	<u>333%</u>	<u>500%</u>
2.7%	2.7%	2.7%	0.0%	(9.0)%

Sensitivity of Class SE to Prepayments Assumed Price 13.5%*

<u>LIBOR</u>	PSA Prepayment Assumption Rates			
	<u>175%</u>	<u>245%</u>	<u>275%</u>	<u>500%</u>
0.2500%	38.3%	35.0%	33.5%	22.6%
2.0836%	22.2%	18.7%	17.1%	5.4%
4.1668%	4.1%	0.2%	(1.4)%	(14.4)%
6.2500% and above	**	**	**	**

SECURITY GROUP 6

Sensitivity of Class IM to Prepayments Assumed Price 15.75%*

PSA Prepayment Assumption Rates				
<u>100%</u>	<u>200%</u>	<u>279%</u>	<u>300%</u>	<u>400%</u>
18.2%	8.0%	0.0%	(2.0)%	(11.5)%

Sensitivity of Class MI to Prepayments Assumed Price 13.25%*

PSA Prepayment Assumption Rates				
<u>100%</u>	<u>200%</u>	<u>240%</u>	<u>300%</u>	<u>400%</u>
22.2%	7.0%	0.0%	(11.2)%	(31.2)%

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

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

SECURITY GROUP 8

Sensitivity of Class GS to Prepayments Assumed Price 5.15%*

<u>LIBOR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>175%</u>	<u>205%</u>	<u>250%</u>	<u>500%</u>
0.250000%	80.4%	73.6%	63.9%	17.6%
2.074250%	28.5%	21.4%	11.5%	(33.1)%
4.137125%	(33.3)%	(40.7)%	(50.7)%	(91.8)%
6.200000% and above	**	**	**	**

Sensitivity of Class HI to Prepayments Assumed Price 18.25%*

<u>PSA Prepayment Assumption Rates</u>				
<u>175%</u>	<u>205%</u>	<u>250%</u>	<u>283%</u>	<u>500%</u>
2.3%	2.3%	2.3%	0.1%	(19.3)%

Sensitivity of Class IH to Prepayments Assumed Price 12.75%*

<u>PSA Prepayment Assumption Rates</u>				
<u>175%</u>	<u>205%</u>	<u>250%</u>	<u>500%</u>	<u>611%</u>
21.7%	21.7%	21.7%	7.3%	0.0%

Sensitivity of Class IO to Prepayments Assumed Price 6.65%*

<u>PSA Prepayment Assumption Rates</u>				
<u>175%</u>	<u>205%</u>	<u>250%</u>	<u>500%</u>	<u>551%</u>
30.5%	28.2%	24.8%	4.5%	0.1%

Sensitivity of Class SC to Prepayments Assumed Price 174.25%*

<u>LIBOR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>175%</u>	<u>205%</u>	<u>250%</u>	<u>500%</u>
0.250000%	15.8%	15.1%	14.1%	8.4%
2.074250%	9.1%	8.4%	7.4%	1.7%
4.137125%	1.5%	0.8%	(0.2)%	(5.8)%
6.200000% and above	(6.2)%	(6.8)%	(7.7)%	(13.2)%

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

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

Sensitivity of Class SG to Prepayments
Assumed Price 21.0%*

<u>LIBOR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>175%</u>	<u>205%</u>	<u>250%</u>	<u>500%</u>
0.250000%	23.2%	21.9%	19.8%	7.6%
2.074250%	12.4%	10.9%	8.6%	(4.7)%
4.137125%	(0.8)%	(2.4)%	(4.9)%	(19.5)%
6.200000% and above	**	**	**	**

Sensitivity of Class TI to Prepayments
Assumed Price 25.35%*

<u>PSA Prepayment Assumption Rates</u>				
<u>175%</u>	<u>205%</u>	<u>250%</u>	<u>301%</u>	<u>500%</u>
2.7%	2.7%	2.7%	0.0%	(12.7)%

SECURITY GROUP 9

Sensitivity of Class AI to Prepayments
Assumed Price 17.35%*

<u>PSA Prepayment Assumption Rates</u>				
<u>150%</u>	<u>200%</u>	<u>250%</u>	<u>272%</u>	<u>400%</u>
11.9%	7.2%	2.2%	0.0%	(12.7)%

Sensitivity of Class BI to Prepayments
Assumed Price 25.0%*

<u>PSA Prepayment Assumption Rates</u>				
<u>150%</u>	<u>200%</u>	<u>250%</u>	<u>296%</u>	<u>400%</u>
8.0%	5.3%	2.6%	0.0%	(5.8)%

Sensitivity of Class GI to Prepayments
Assumed Price 20.25%*

<u>PSA Prepayment Assumption Rates</u>				
<u>150%</u>	<u>200%</u>	<u>250%</u>	<u>290%</u>	<u>400%</u>
2.5%	2.5%	2.5%	0.0%	(8.8)%

Sensitivity of Class IA to Prepayments
Assumed Price 19.65%*

<u>PSA Prepayment Assumption Rates</u>				
<u>150%</u>	<u>200%</u>	<u>250%</u>	<u>281%</u>	<u>400%</u>
10.8%	6.8%	2.7%	0.0%	(10.3)%

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

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

Sensitivity of Class IG to Prepayments
Assumed Price 23.75%*

PSA Prepayment Assumption Rates				
<u>150%</u>	<u>200%</u>	<u>250%</u>	<u>297%</u>	<u>400%</u>
2.7%	2.7%	2.7%	0.0%	(7.1)%

Sensitivity of Class JI to Prepayments
Assumed Price 27.15%*

PSA Prepayment Assumption Rates				
<u>150%</u>	<u>200%</u>	<u>250%</u>	<u>311%</u>	<u>400%</u>
2.8%	2.8%	2.8%	0.0%	(4.7)%

Sensitivity of Class ST to Prepayments
Assumed Price 16.75%*

<u>LIBOR</u>	PSA Prepayment Assumption Rates			
	<u>150%</u>	<u>200%</u>	<u>250%</u>	<u>400%</u>
0.2500%	28.6%	26.1%	23.7%	16.1%
2.0742%	16.0%	13.4%	10.7%	2.7%
4.1371%	1.4%	(1.3)%	(4.1)%	(12.8)%
6.2000% and above	**	**	**	**

SECURITY GROUP 10

Sensitivity of Class QS to Prepayments
Assumed Price 15.5%*

<u>LIBOR</u>	PSA Prepayment Assumption Rates			
	<u>100%</u>	<u>200%</u>	<u>300%</u>	<u>400%</u>
0.250000%	33.8%	28.7%	23.6%	18.4%
2.086250%	20.2%	14.9%	9.5%	4.0%
4.118125%	5.0%	(0.6)%	(6.3)%	(12.2)%
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.

CERTAIN UNITED STATES FEDERAL INCOME TAX CONSEQUENCES

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

REMIC Elections

In the opinion of Cleary Gottlieb Steen & Hamilton LLP, the Trust will constitute a Double REMIC Series as to the Group 1, 2, 3, 4, 5, 6, 7, 8, 9 and 11 Trust Assets and a Single REMIC Series as to the

Group 10 Trust Assets, each for United States federal income tax purposes. Separate REMIC elections will be made for the Group 10 REMIC, the Group 1, 2, 3, 4, 5, 6, 7, 8, 9 and 11 Pooling REMIC and the Group 1, 2, 3, 4, 5, 6, 7, 8, 9 and 11 Issuing REMIC.

Regular Securities

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

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

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

<u>Group(s)</u>	<u>PSA</u>
1, 6, 7, 9 and 10	200%
2, 3 and 11	230%
4	295%
5	245%
8	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.

Under newly enacted legislation, a Holder of Regular Securities that uses an accrual method of accounting for tax purposes generally will be required to include certain amounts in income no later than the time such amounts are reflected on certain financial statements. The application of this rule thus may require the accrual of income earlier than would be the case under the general tax rules described under “Certain United States Federal Income Tax Consequences — Tax Treatment of Regular Securities” in the Base Offering Circular, although the precise application of this rule is unclear at this time. This rule generally will be effective for tax years beginning after December 31, 2017 or, for Regular Securities issued with original issue discount, for tax years beginning after December 31, 2018. Prospective investors in Regular Securities that use an accrual method of accounting for tax purposes are urged to consult with their tax advisors regarding the potential applicability of this legislation to their particular situation.

Residual Securities

The Class RR Securities will represent the beneficial ownership of the Residual Interest in the Group 1, 2, 3, 4, 5, 6, 7, 8, 9 and 11 Pooling REMIC and the beneficial ownership of the Residual Interest in the Group 1, 2, 3, 4, 5, 6, 7, 8, 9 and 11 Issuing REMIC. The Class R10 Securities will represent the beneficial ownership of the Residual Interest in the Group 10 REMIC. The Residual Securities, i.e., the Class RR and R10 Securities, generally will be treated as “residual interests” in a REMIC for domestic building and loan associations and as “real estate assets” for REITs, as described in “Certain United States Federal Income Tax Consequences” in the Base Offering Circular, but will not be treated as debt for United States federal income tax purposes. Instead, the Holders of the Residual Securities will be required to report, and will be taxed on, their pro rata shares of the taxable income or loss of the related Trust REMICs, and these requirements will continue until there are no outstanding regular interests in the respective Trust REMICs. Thus, Residual Holders will have taxable income attributable to the Residual Securities even though they will not receive principal or interest distributions with respect to the Residual Securities, which could result in a negative after-tax return for the Residual Holders. Even though the Holders of the Residual Securities are not entitled to any stated principal or interest payments on the Residual Securities, the related Trust REMICs may have substantial taxable income in certain periods, and offsetting tax losses may not occur until much later periods. Accordingly, the Holders of the Residual Securities may experience substantial adverse tax timing consequences. Prospective investors are urged to consult their own tax advisors and consider the after-tax effect of ownership of the Residual Securities and the suitability of the Residual Securities to their investment objectives.

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

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

Under newly enacted legislation, an individual, trust or estate that holds Residual Securities (directly or indirectly through a grantor trust, a partnership, an S corporation, a common trust fund, or a non-publicly offered RIC) generally will not be eligible to deduct its allocable share of the related Trust REMIC’s fees or expenses under Section 212 of the Code for any taxable year beginning after December 31, 2017, and before January 1, 2026. Prospective investors in Residual Securities are urged to consult with their tax advisors regarding the potential applicability of this legislation to their particular situation.

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.

In the case of certain Holders of MX Securities that use an accrual method of accounting, these tax consequences would be modified by newly enacted legislation as described above for a Holder of Regular Securities. Prospective investors in MX Securities that use an accrual method of accounting for tax purposes are urged to consult with their tax advisors regarding the potential applicability of this legislation to their particular situation.

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.

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. In addition, because the Sponsor or the Co-Sponsor or any of their respective affiliates may receive certain benefits in connection with the sale or holding of the Regular or MX Securities, the purchase of the Regular or MX Securities using Plan assets over which any of these parties or their affiliates has discretionary authority or control, or renders “investment advice” (within the meaning of a Department of Labor regulation) for a fee with respect to the assets of a Plan, or is the employer or other sponsor of the Plan, might be deemed to be a violation of a provision of Title I of ERISA or Section 4975 of the Code. Accordingly, the Regular or MX Securities may not be purchased using the assets of any Plan if the Sponsor or the Co-Sponsor or any of their respective affiliates has discretionary authority or control or renders investment advice for a fee with respect to the assets of the Plan, or is the employer or other sponsor of the Plan, unless an applicable prohibited transaction exemption is available to cover the purchase or holding of the Regular or MX Securities or the transaction is not otherwise prohibited.

Prospective Plan Investors should consult with their advisors, however, 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.

See “ERISA Considerations” in the Base Offering Circular.

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

LEGAL INVESTMENT CONSIDERATIONS

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

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

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

PLAN OF DISTRIBUTION

Subject to the terms and conditions of the Sponsor Agreement, the Sponsor has agreed to purchase all of the Securities if any are sold and purchased. The Sponsor proposes to offer the Regular and MX Classes to the public from time to time for sale in negotiated transactions at varying prices to be determined at the time of sale, plus accrued interest from (1) July 1, 2018 on the Fixed Rate and Delay Classes and (2) July 20, 2018 on the Floating Rate and Inverse Floating Rate Classes other than the Delay 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 Original Balance or Class Notional Balance(2)	Principal Type(3)	Interest Rate	Interest Type(3)	CUSIP Number	Final Distribution Date(4)
Security Group 1								
Combination 1								
VA	\$ 3,663,000	LY	\$15,471,064	SEQ	3.50%	FIX	38380XXU6	July 2048
VB	4,187,000							
VZ	7,621,064							
Security Group 2								
Combination 2								
LV	\$ 2,351,470	Y	\$ 8,683,352	SEQ	3.50%	FIX	38380XXV4	July 2048
LZ	4,277,839							
VL	2,054,043							
Security Group 3								
Combination 3								
FY	\$ 3,180,758	KF	\$14,916,758	SCH/SUP/AD	(5)	FLT/DLY	38380XXW2	July 2048
WF	4,559,200							
YF	7,176,800							
Combination 4								
SY	\$ 795,189	KS	\$ 3,729,189	SCH/SUP/AD	(5)	INV/DLY	38380XXX0	July 2048
WS	1,139,800							
YS	1,794,200							
Combination 5								
WF	\$ 4,559,200	NK	\$14,670,000	SCH/AD	4.00%	FIX	38380XXY8	July 2048
WS	1,139,800							
YF	7,176,800							
YS	1,794,200							
Combination 6								
FY	\$ 3,180,758	NU	\$ 3,975,947	SUP/AD	4.00%	FIX	38380XXZ5	July 2048
SY	795,189							

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 7								
SL	\$31,184,569	SH	\$95,202,400	NTL(PT)	(5)	INV/IO	38380XYA9	July 2048
SM	34,613,757							
SN	29,404,074							
Combination 8								
LI	\$59,400,830	SJ	\$59,400,830	NTL(PT)	(5)	INV/IO	38380XYB7	July 2048
SK	59,400,830							
Combination 9								
NZ	\$ 4,625,000	ZL	\$ 7,940,000	PAC	4.00%	FIX/Z	38380XYC5	July 2048
PZ	2,940,000							
ZN	375,000							
Security Group 4								
Combination 10								
CA	\$15,436,000	PB	\$16,647,000	PAC I	3.50%	FIX	38380XYD3	June 2048
CB	1,211,000							
Combination 11								
CB	\$ 1,211,000	PC	\$ 1,380,000	PAC I	3.50%	FIX	38380XYE1	July 2048
CD	169,000							
Security Group 5								
Combination 12(6)								
DB	\$20,871,247	DC	\$20,871,247	PAC I	2.50%	FIX	38380XYF8	September 2046
		DE	20,871,247	PAC I	2.75	FIX	38380XYG6	September 2046
		DG	20,871,247	PAC I	3.00	FIX	38380XYH4	September 2046
		DH	20,871,247	PAC I	3.25	FIX	38380XYJ0	September 2046
		DI	4,174,249	NTL(PAC I)	5.00	FIX/IO	38380XYK7	September 2046
Combination 13(6)								
DB	\$20,871,247	EA	\$23,656,320	PAC I	3.50%	FIX	38380XYL5	February 2048
DM	2,785,073	EB	23,656,320	PAC I	3.25	FIX	38380XYM3	February 2048
		EC	23,656,320	PAC I	3.00	FIX	38380XYN1	February 2048
		ED	23,656,320	PAC I	2.75	FIX	38380XYP6	February 2048
		EG	23,656,320	PAC I	2.50	FIX	38380XYQ4	February 2048
		EI	4,731,264	NTL(PAC I)	5.00	FIX/IO	38380XYR2	February 2048

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(6)								
DB	\$20,871,247	EH	\$24,733,279	PAC I	3.50%	FIX	38380XYS0	July 2048
DM	2,785,073	EJ	24,733,279	PAC I	3.25	FIX	38380XYT8	July 2048
DN	1,076,959	EK	24,733,279	PAC I	3.00	FIX	38380XYU5	July 2048
		EL	24,733,279	PAC I	2.75	FIX	38380XYV3	July 2048
		EM	24,733,279	PAC I	2.50	FIX	38380XYW1	July 2048
		IE	4,946,655	NTL(PAC I)	5.00	FIX/IO	38380XXYX9	July 2048
Security Group 6								
Combination 15(6)								
MA	\$14,687,203	IM	\$ 9,543,772	NTL(SC/PT)	5.00%	FIX/IO	38380XXYY7	July 2045
MB	17,125,373	MC	31,812,576	SC/PT	2.50	FIX	38380XYZ4	July 2045
		MD	31,812,576	SC/PT	2.75	FIX	38380XZA8	July 2045
		ME	31,812,576	SC/PT	3.00	FIX	38380XZB6	July 2045
		MG	31,812,576	SC/PT	3.25	FIX	38380XZC4	July 2045
		MH	31,812,576	SC/PT	3.50	FIX	38380XZD2	July 2045
		MJ	31,812,576	SC/PT	3.75	FIX	38380XZE0	July 2045
		MK	31,812,576	SC/PT	4.00	FIX	38380XZF7	July 2045
Security Group 8								
Combination 16								
BD	\$ 6,168,000	JT	\$51,434,000	PT	3.50%	FIX	38380XZG5	July 2048
BE	4,354,000							
BG	1,012,000							
BK	3,469,000							
BU	2,662,000							
BZ	1,000							
HA	33,767,000							
ZB	1,000							

REMIC Securities			MX Securities					
Class	Original Class Principal Balance or Class Notional Balance	Maximum Original Class Principal Balance or Class Notional Balance(2)	Related MX Class	Principal Type(3)	Interest Rate	Interest Type(3)	CUSIP Number	Final Distribution Date(4)
Combination 17(6) HA	\$33,767,000	\$33,767,000	HB	PAC	3.25%	FIX	38380XZH3	February 2045
			HC	PAC	3.00	FIX	38380XZJ9	February 2045
			HD	PAC	2.75	FIX	38380XZK6	February 2045
			HE	PAC	2.50	FIX	38380XZL4	February 2045
			HG	PAC	4.00	FIX	38380XZM2	February 2045
			HI	NTL(PAC)	4.50	FIX/IO	38380XZN0	February 2045
			HJ	PAC	4.50	FIX	38380XZP5	February 2045
			HK	PAC	5.00	FIX	38380XZQ3	February 2045
			HL	PAC	5.50	FIX	38380XZR1	February 2045
Combination 18(6) BD HA	\$ 6,168,000 33,767,000	\$39,935,000	HM	PAC	3.50%	FIX	38380XZS9	January 2047
			HN	PAC	3.25	FIX	38380XZI7	January 2047
			HP	PAC	3.00	FIX	38380XZU4	January 2047
			HQ	PAC	2.75	FIX	38380XZV2	January 2047
			HT	PAC	2.50	FIX	38380XZW0	January 2047
			HU	PAC	4.00	FIX	38380XXZ8	January 2047
			HV	PAC	4.50	FIX	38380XXY6	January 2047
			HW	PAC	5.00	FIX	38380XZZ3	January 2047
			HY	PAC	5.50	FIX	38380XA23	January 2047
Combination 19(6) BD BE HA	\$ 6,168,000 4,354,000 33,767,000	\$44,289,000	IH	NTL(PAC)	4.50	FIX/IO	38380XA31	January 2047
			TA	PAC	3.50%	FIX	38380XA49	April 2048
			TB	PAC	3.25	FIX	38380XA56	April 2048
			TC	PAC	3.00	FIX	38380XA64	April 2048
			TD	PAC	2.75	FIX	38380XA72	April 2048
			TE	PAC	2.50	FIX	38380XA80	April 2048
			TG	PAC	4.00	FIX	38380XA98	April 2048
			TH	PAC	4.50	FIX	38380XB22	April 2048
			TI	NTL(PAC)	4.50	FIX/IO	38380XB30	April 2048
TK	PAC	5.00	FIX	38380XB48	April 2048			
TL	PAC	5.50	FIX	38380XB55	April 2048			

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 20								
FG	\$22,667,333	BF	\$28,333,333	PT	(5)	FLT/DLY	38380XB63	July 2048
GF	5,666,000							
Security Group 9								
Combination 21								
GQ	\$ 3,374,848	GX	\$ 5,661,108	PAC	3.50%	FIX	38380XB71	July 2048
GY	2,286,260							
Combination 22(6)								
GC	\$22,666,485	GD	\$22,666,485	PAC	3.25%	FIX	38380XB89	February 2046
		GE	22,666,485	PAC	3.00	FIX	38380XB97	February 2046
		GH	22,666,485	PAC	2.75	FIX	38380XC21	February 2046
		GI	5,036,996	NTL(PAC)	4.50	FIX/IO	38380XC39	February 2046
		GJ	22,666,485	PAC	2.50	FIX	38380XC47	February 2046
Combination 23(6)								
GC	\$22,666,485	G	\$26,041,333	PAC	2.50%	FIX	38380XC54	August 2047
GQ	3,374,848	GK	26,041,333	PAC	3.50	FIX	38380XC62	August 2047
		GL	26,041,333	PAC	3.25	FIX	38380XC70	August 2047
		GM	26,041,333	PAC	3.00	FIX	38380XC88	August 2047
		GN	26,041,333	PAC	2.75	FIX	38380XC96	August 2047
		IG	5,786,962	NTL(PAC)	4.50	FIX/IO	38380XD20	August 2047
Combination 24(6)								
AB	\$32,135,324	AC	\$32,135,324	SEQ	3.75%	FIX	38380XD38	February 2045
		AD	32,135,324	SEQ	3.50	FIX	38380XD46	February 2045
		AE	32,135,324	SEQ	3.25	FIX	38380XD53	February 2045
		AG	32,135,324	SEQ	3.00	FIX	38380XD61	February 2045
		AI	7,141,183	NTL(SEQ)	4.50	FIX/IO	38380XD79	February 2045

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 25(6)								
AB	\$32,135,324	AH	\$35,930,988	SEQ	4.00%	FIX	38380XD87	August 2046
AX	3,795,664	AJ	35,930,988	SEQ	3.75	FIX	38380XD95	August 2046
		AK	35,930,988	SEQ	3.50	FIX	38380XE29	August 2046
		AL	35,930,988	SEQ	3.25	FIX	38380XE37	August 2046
		AM	35,930,988	SEQ	3.00	FIX	38380XE45	August 2046
		IA	7,984,664	NTL(SEQ)	4.50	FIX/IO	38380XE52	August 2046
Combination 26(6)								
AB	\$32,135,324	BH	\$41,415,714	PT	4.00%	FIX	38380XE60	July 2048
AX	3,795,664	BI	9,203,492	NTL(PT)	4.50	FIX/IO	38380XE78	July 2048
AY	5,484,726	BJ	41,415,714	PT	3.75	FIX	38380XE86	July 2048
		BL	41,415,714	PT	3.50	FIX	38380XE94	July 2048
		BM	41,415,714	PT	3.25	FIX	38380XF28	July 2048
		BN	41,415,714	PT	3.00	FIX	38380XF36	July 2048
Combination 27(6)								
GC	\$22,666,485	JB	\$28,327,593	PAC	3.50%	FIX	38380XF44	July 2048
GQ	3,374,848	JC	28,327,593	PAC	3.25	FIX	38380XF51	July 2048
GY	2,286,260	JD	28,327,593	PAC	3.00	FIX	38380XF69	July 2048
		JE	28,327,593	PAC	2.75	FIX	38380XF77	July 2048
		JG	28,327,593	PAC	2.50	FIX	38380XF85	July 2048
		JI	6,295,020	NTL(PAC)	4.50	FIX/IO	38380XF93	July 2048
Security Groups 3 and 11								
Combination 28(7)								
JA	\$ 9,064,540	JK	\$11,701,295	SC/SUP/SEQ/AD	3.00%	FIX	38380XG27	July 2048
JU	2,636,755							

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- (1) All exchanges must comply with minimum denomination restrictions.
 - (2) The amount shown for each MX Class represents the maximum Original Class Principal Balance (or original Class Notional Balance) of that Class, assuming it were to be issued on the Closing Date.
 - (3) As defined under “Class Types” in Appendix I to the Base Offering Circular.
 - (4) See “*Yield, Maturity and Prepayment Considerations — Final Distribution Date*” in this Supplement.
 - (5) The Interest Rate will be calculated as described under “Terms Sheet — Interest Rates” in this Supplement.
 - (6) In the case of Combinations 12, 13, 14, 15, 17, 18, 19, 22, 23, 24, 25, 26 and 27, various subcombinations are permitted. See “*Description of the Securities — Modification and Exchange*” in the Base Offering Circular for a discussion of subcombinations.
 - (7) Derived from REMIC Classes relating to separate Groups.

Schedule II

SCHEDULED PRINCIPAL BALANCES

<u>Distribution Date</u>	<u>Classes BD, BE, BG and HA (in the aggregate)</u>	<u>Classes BK and BZ (in the aggregate)</u>	<u>Classes CA, CB and CD (in the aggregate)</u>	<u>Classes DB, DM and DN (in the aggregate)</u>
Initial Balance	\$45,301,000.00	\$3,470,000.00	\$16,816,000.00	\$24,733,279.00
August 2018	45,208,107.87	3,463,101.17	16,767,040.68	24,683,738.47
September 2018	45,099,971.42	3,452,750.23	16,711,750.09	24,625,527.36
October 2018	44,976,632.23	3,438,953.06	16,650,154.70	24,558,666.37
November 2018	44,838,145.53	3,421,722.35	16,582,286.67	24,483,183.97
December 2018	44,684,580.18	3,401,077.65	16,508,183.82	24,399,116.35
January 2019	44,516,018.66	3,377,045.39	16,427,889.63	24,306,507.48
February 2019	44,332,557.01	3,349,658.86	16,341,453.21	24,205,409.05
March 2019	44,134,304.80	3,318,958.17	16,248,929.25	24,095,880.42
April 2019	43,921,385.01	3,284,990.27	16,150,377.98	23,977,988.65
May 2019	43,693,933.95	3,247,808.82	16,045,865.09	23,851,808.37
June 2019	43,452,101.17	3,207,474.12	15,935,461.71	23,717,421.76
July 2019	43,196,049.23	3,164,053.09	15,819,244.30	23,574,918.46
August 2019	42,925,953.64	3,117,619.05	15,697,294.59	23,424,395.48
September 2019	42,642,002.59	3,068,251.70	15,569,699.47	23,265,957.10
October 2019	42,344,396.81	3,016,036.91	15,436,550.91	23,099,714.78
November 2019	42,033,349.32	2,961,066.55	15,297,945.85	22,925,787.00
December 2019	41,709,085.18	2,903,438.37	15,153,986.08	22,744,299.15
January 2020	41,371,841.26	2,843,255.76	15,004,778.14	22,555,383.39
February 2020	41,021,865.94	2,780,627.56	14,850,433.16	22,359,178.50
March 2020	40,659,418.80	2,715,667.84	14,691,066.75	22,155,829.67
April 2020	40,284,770.36	2,648,495.64	14,526,798.85	21,945,488.39
May 2020	39,898,201.68	2,579,234.74	14,357,753.58	21,728,312.23
June 2020	39,500,004.07	2,508,013.40	14,184,059.07	21,504,464.64
July 2020	39,090,478.68	2,434,964.07	14,005,847.33	21,274,114.77
August 2020	38,669,936.17	2,360,223.08	13,823,254.06	21,037,437.24
September 2020	38,238,696.27	2,283,930.39	13,636,418.48	20,794,611.93
October 2020	37,797,087.39	2,206,229.23	13,445,483.15	20,545,823.73
November 2020	37,345,446.21	2,127,265.83	13,256,414.04	20,291,262.33
December 2020	36,884,117.25	2,047,189.00	13,069,193.47	20,031,121.97
January 2021	36,427,347.07	1,969,185.67	12,883,803.92	19,773,525.76
February 2021	35,975,092.12	1,893,220.27	12,700,228.03	19,518,449.57
March 2021	35,527,309.24	1,819,257.76	12,518,448.61	19,265,869.53
April 2021	35,083,955.71	1,747,263.59	12,338,448.64	19,015,761.95
May 2021	34,644,989.16	1,677,203.78	12,160,211.23	18,768,103.40
June 2021	34,210,367.68	1,609,044.77	11,983,719.68	18,522,870.64
July 2021	33,780,049.69	1,542,753.57	11,808,957.42	18,280,040.66
August 2021	33,353,994.05	1,478,297.60	11,635,908.05	18,039,590.67
September 2021	32,932,159.98	1,415,644.82	11,464,555.32	17,801,498.08
October 2021	32,514,507.09	1,354,763.63	11,294,883.13	17,565,740.52
November 2021	32,100,995.38	1,295,622.90	11,126,875.53	17,332,295.82
December 2021	31,691,585.21	1,238,191.97	10,960,516.72	17,101,142.03
January 2022	31,286,237.32	1,182,440.64	10,795,791.05	16,872,257.40
February 2022	30,884,912.82	1,128,339.14	10,632,683.02	16,645,620.38

Distribution Date	Classes BD, BE, BG and HA (in the aggregate)	Classes BK and BZ (in the aggregate)	Classes CA, CB and CD (in the aggregate)	Classes DB, DM and DN (in the aggregate)
March 2022	\$30,487,573.18	\$1,075,858.14	\$10,471,177.26	\$16,421,209.63
April 2022	30,094,180.23	1,024,968.79	10,311,258.55	16,199,003.99
May 2022	29,704,696.19	975,642.58	10,152,911.82	15,978,982.51
June 2022	29,319,083.58	927,851.53	9,996,122.14	15,761,124.46
July 2022	28,937,305.32	881,568.00	9,840,874.71	15,545,409.25
August 2022	28,559,324.66	836,764.80	9,687,154.88	15,331,816.54
September 2022	28,185,105.19	793,415.13	9,534,948.12	15,120,326.13
October 2022	27,814,610.86	751,492.61	9,384,240.05	14,910,918.05
November 2022	27,447,805.94	710,971.23	9,235,016.43	14,703,572.49
December 2022	27,084,655.04	671,825.40	9,087,263.13	14,498,269.84
January 2023	26,725,123.13	634,029.88	8,940,966.18	14,294,990.66
February 2023	26,369,175.47	597,559.84	8,796,111.72	14,093,715.70
March 2023	26,016,777.66	562,390.83	8,652,686.03	13,894,425.90
April 2023	25,667,895.65	528,498.72	8,510,675.51	13,697,102.36
May 2023	25,322,495.67	495,859.81	8,370,066.69	13,501,726.36
June 2023	24,980,544.29	464,450.71	8,230,846.23	13,308,279.37
July 2023	24,642,008.40	434,248.41	8,093,000.92	13,116,743.02
August 2023	24,306,855.19	405,230.24	7,956,517.66	12,927,099.12
September 2023	23,975,052.15	377,373.88	7,821,383.49	12,739,329.63
October 2023	23,646,567.11	350,657.34	7,687,585.55	12,553,416.71
November 2023	23,321,368.16	325,058.99	7,555,111.11	12,369,342.67
December 2023	22,999,423.73	300,557.49	7,423,947.57	12,187,089.98
January 2024	22,680,702.52	277,131.86	7,294,082.43	12,006,641.29
February 2024	22,365,173.54	254,761.44	7,165,503.31	11,827,979.39
March 2024	22,052,806.08	233,425.87	7,038,197.96	11,651,087.26
April 2024	21,743,569.73	213,105.11	6,912,154.24	11,475,948.01
May 2024	21,437,434.36	193,779.44	6,787,360.11	11,302,544.93
June 2024	21,134,370.13	175,429.43	6,663,803.65	11,130,861.47
July 2024	20,834,347.47	158,035.96	6,541,473.06	10,960,881.20
August 2024	20,537,337.11	141,580.19	6,420,356.65	10,792,587.89
September 2024	20,243,310.03	126,043.59	6,300,442.83	10,625,965.43
October 2024	19,952,237.51	111,407.91	6,181,720.12	10,460,997.87
November 2024	19,664,091.07	97,655.19	6,064,177.15	10,297,669.41
December 2024	19,378,842.53	84,767.73	5,947,802.65	10,135,964.41
January 2025	19,096,463.95	72,728.14	5,832,585.47	9,975,867.35
February 2025	18,816,927.67	61,519.27	5,718,514.56	9,817,362.88
March 2025	18,540,206.28	51,124.26	5,606,015.49	9,660,435.77
April 2025	18,266,272.65	41,526.50	5,495,666.66	9,505,070.97
May 2025	17,995,099.88	32,709.64	5,387,427.74	9,351,253.53
June 2025	17,726,661.34	24,657.60	5,281,259.14	9,198,968.67
July 2025	17,460,930.63	17,384.33	5,177,122.01	9,048,201.73
August 2025	17,197,881.64	11,423.01	5,074,978.22	8,898,938.20
September 2025	16,937,488.46	6,742.80	4,974,790.35	8,751,163.69
October 2025	16,679,725.45	3,313.41	4,876,521.67	8,604,863.97
November 2025	16,424,567.22	1,105.04	4,780,136.12	8,460,693.23
December 2025	16,171,988.60	88.48	4,685,598.33	8,318,837.97
January 2026	15,922,111.20	88.48	4,592,873.56	8,179,261.94

<u>Distribution Date</u>	<u>Classes BD, BE, BG and HA (in the aggregate)</u>	<u>Classes BK and BZ (in the aggregate)</u>	<u>Classes CA, CB and CD (in the aggregate)</u>	<u>Classes DB, DM and DN (in the aggregate)</u>
February 2026	\$15,675,898.68	\$ 88.48	\$ 4,501,927.74	\$ 8,041,929.45
March 2026	15,433,298.90	88.48	4,412,727.41	7,906,805.33
April 2026	15,194,260.44	88.48	4,325,239.75	7,773,854.98
May 2026	14,958,732.58	88.48	4,239,432.54	7,643,044.33
June 2026	14,726,665.35	88.48	4,155,274.15	7,514,339.83
July 2026	14,498,009.43	88.48	4,072,733.54	7,387,708.44
August 2026	14,272,716.22	88.48	3,991,780.26	7,263,117.65
September 2026	14,050,737.79	88.48	3,912,384.41	7,140,535.43
October 2026	13,832,026.89	88.47	3,834,516.65	7,019,930.25
November 2026	13,616,536.91	88.47	3,758,148.19	6,901,271.09
December 2026	13,404,221.91	88.47	3,683,250.77	6,784,527.37
January 2027	13,195,036.58	88.47	3,609,796.66	6,669,669.00
February 2027	12,988,936.26	88.47	3,537,758.63	6,556,666.38
March 2027	12,785,876.90	88.47	3,467,109.97	6,445,490.32
April 2027	12,585,815.08	88.47	3,397,824.47	6,336,112.11
May 2027	12,388,707.96	88.47	3,329,876.40	6,228,503.48
June 2027	12,194,513.34	88.47	3,263,240.50	6,122,636.59
July 2027	12,003,189.58	88.47	3,197,892.00	6,018,484.04
August 2027	11,814,695.63	88.47	3,133,806.58	5,916,018.85
September 2027	11,628,991.03	88.47	3,070,960.36	5,815,214.46
October 2027	11,446,035.86	88.47	3,009,329.93	5,716,044.70
November 2027	11,265,790.79	88.47	2,948,892.30	5,618,483.83
December 2027	11,088,217.01	88.47	2,889,624.91	5,522,506.50
January 2028	10,913,276.28	88.47	2,831,505.62	5,428,087.75
February 2028	10,740,930.89	88.47	2,774,512.70	5,335,203.01
March 2028	10,571,143.64	88.47	2,718,624.83	5,243,828.09
April 2028	10,403,877.88	88.47	2,663,821.09	5,153,939.17
May 2028	10,239,097.45	88.47	2,610,080.94	5,065,512.79
June 2028	10,076,766.72	88.47	2,557,384.23	4,978,525.88
July 2028	9,916,850.54	88.47	2,505,711.19	4,892,955.71
August 2028	9,759,314.26	88.47	2,455,042.41	4,808,779.90
September 2028	9,604,123.73	88.47	2,405,358.84	4,725,976.42
October 2028	9,451,245.25	88.47	2,356,641.79	4,644,523.59
November 2028	9,300,645.62	88.47	2,308,872.93	4,564,400.05
December 2028	9,152,292.10	88.47	2,262,034.25	4,485,584.78
January 2029	9,006,152.40	88.47	2,216,108.09	4,408,057.09
February 2029	8,862,194.70	88.47	2,171,077.12	4,331,796.60
March 2029	8,720,387.61	88.47	2,126,924.33	4,256,783.26
April 2029	8,580,700.19	88.47	2,083,633.03	4,182,997.32
May 2029	8,443,101.94	88.47	2,041,186.83	4,110,419.35
June 2029	8,307,562.78	88.47	1,999,569.67	4,039,030.19
July 2029	8,174,053.06	88.47	1,958,765.77	3,968,811.02
August 2029	8,042,543.54	88.47	1,918,759.65	3,899,743.29
September 2029	7,913,005.40	88.47	1,879,536.13	3,831,808.73
October 2029	7,785,410.21	88.47	1,841,080.30	3,764,989.36
November 2029	7,659,729.97	88.47	1,803,377.54	3,699,267.50
December 2029	7,535,937.04	88.47	1,766,413.49	3,634,625.72

Distribution Date	Classes BD, BE, BG and HA (in the aggregate)	Classes BK and BZ (in the aggregate)	Classes CA, CB and CD (in the aggregate)	Classes DB, DM and DN (in the aggregate)
January 2030	\$ 7,414,004.20	\$ 88.47	\$ 1,730,174.07	\$ 3,571,046.86
February 2030	7,293,904.58	88.47	1,694,645.46	3,508,514.05
March 2030	7,175,611.72	88.47	1,659,814.10	3,447,010.66
April 2030	7,059,099.52	88.47	1,625,666.69	3,386,520.32
May 2030	6,944,342.25	88.47	1,592,190.17	3,327,026.94
June 2030	6,831,314.53	88.47	1,559,371.72	3,268,514.64
July 2030	6,719,991.36	88.47	1,527,198.77	3,210,967.83
August 2030	6,610,348.07	88.47	1,495,658.99	3,154,371.13
September 2030	6,502,360.37	88.47	1,464,740.27	3,098,709.41
October 2030	6,396,004.27	88.47	1,434,430.73	3,043,967.78
November 2030	6,291,256.15	88.47	1,404,718.72	2,990,131.58
December 2030	6,188,092.73	88.47	1,375,592.80	2,937,186.37
January 2031	6,086,491.02	88.47	1,347,041.75	2,885,117.95
February 2031	5,986,428.39	88.47	1,319,054.56	2,833,912.34
March 2031	5,887,882.51	88.47	1,291,620.42	2,783,555.75
April 2031	5,790,831.39	88.47	1,264,728.73	2,734,034.65
May 2031	5,695,253.32	88.47	1,238,369.09	2,685,335.68
June 2031	5,601,126.92	88.47	1,212,531.30	2,637,445.72
July 2031	5,508,431.09	88.47	1,187,205.34	2,590,351.83
August 2031	5,417,145.06	88.47	1,162,381.38	2,544,041.30
September 2031	5,327,248.33	88.47	1,138,049.78	2,498,501.58
October 2031	5,238,720.69	88.47	1,114,201.08	2,453,720.34
November 2031	5,151,542.23	88.47	1,090,826.00	2,409,685.46
December 2031	5,065,693.32	88.47	1,067,915.44	2,366,384.97
January 2032	4,981,154.58	88.47	1,045,460.45	2,323,807.12
February 2032	4,897,906.95	88.47	1,023,452.27	2,281,940.32
March 2032	4,815,931.61	88.47	1,001,882.30	2,240,773.17
April 2032	4,735,210.00	88.47	980,742.10	2,200,294.46
May 2032	4,655,723.86	88.47	960,023.39	2,160,493.14
June 2032	4,577,455.15	88.47	939,718.04	2,121,358.34
July 2032	4,500,386.11	88.47	919,818.08	2,082,879.36
August 2032	4,424,499.22	88.47	900,315.69	2,045,045.66
September 2032	4,349,777.21	88.47	881,203.19	2,007,846.87
October 2032	4,276,203.06	88.47	862,473.06	1,971,272.79
November 2032	4,203,759.99	88.47	844,117.91	1,935,313.37
December 2032	4,132,431.45	88.47	826,130.49	1,899,958.72
January 2033	4,062,201.15	88.47	808,503.70	1,865,199.11
February 2033	3,993,052.99	88.47	791,230.56	1,831,024.95
March 2033	3,924,971.15	88.47	774,304.22	1,797,426.82
April 2033	3,857,939.98	88.47	757,717.97	1,764,395.42
May 2033	3,791,944.10	88.47	741,465.22	1,731,921.63
June 2033	3,726,968.32	88.47	725,539.51	1,699,996.45
July 2033	3,662,997.68	88.47	709,934.50	1,668,611.02
August 2033	3,600,017.42	88.47	694,643.97	1,637,756.63
September 2033	3,538,013.01	88.47	679,661.82	1,607,424.71
October 2033	3,476,970.11	88.47	664,982.06	1,577,606.80
November 2033	3,416,874.58	88.47	650,598.82	1,548,294.61

<u>Distribution Date</u>	<u>Classes BD, BE, BG and HA (in the aggregate)</u>	<u>Classes BK and BZ (in the aggregate)</u>	<u>Classes CA, CB and CD (in the aggregate)</u>	<u>Classes DB, DM and DN (in the aggregate)</u>
December 2033	\$ 3,357,712.51	\$ 88.47	\$ 636,506.33	\$ 1,519,479.96
January 2034	3,299,470.15	88.47	622,698.94	1,491,154.78
February 2034	3,242,133.97	88.47	609,171.11	1,463,311.16
March 2034	3,185,690.64	88.47	595,917.40	1,435,941.30
April 2034	3,130,126.99	88.47	582,932.46	1,409,037.53
May 2034	3,075,430.07	88.47	570,211.07	1,382,592.28
June 2034	3,021,587.10	88.47	557,748.08	1,356,598.13
July 2034	2,968,585.47	88.47	545,538.46	1,331,047.75
August 2034	2,916,412.78	88.47	533,577.27	1,305,933.93
September 2034	2,865,056.77	88.47	521,859.65	1,281,249.59
October 2034	2,814,505.40	88.47	510,380.85	1,256,987.75
November 2034	2,764,746.76	88.47	499,136.21	1,233,141.55
December 2034	2,715,769.13	88.47	488,121.14	1,209,704.21
January 2035	2,667,560.96	88.47	477,331.16	1,186,669.09
February 2035	2,620,110.87	88.47	466,761.86	1,164,029.63
March 2035	2,573,407.61	88.47	456,408.92	1,141,779.41
April 2035	2,527,440.13	88.47	446,268.10	1,119,912.06
May 2035	2,482,197.52	88.47	436,335.24	1,098,421.34
June 2035	2,437,669.03	88.47	426,606.27	1,077,301.12
July 2035	2,393,844.07	88.47	417,077.18	1,056,545.35
August 2035	2,350,712.18	88.47	407,744.05	1,036,148.07
September 2035	2,308,263.07	88.47	398,603.03	1,016,103.42
October 2035	2,266,486.59	88.47	389,650.35	996,405.65
November 2035	2,225,372.74	88.47	380,882.30	977,049.07
December 2035	2,184,911.67	88.47	372,295.25	958,028.11
January 2036	2,145,093.65	88.47	363,885.63	939,337.27
February 2036	2,105,909.11	88.47	355,649.95	920,971.14
March 2036	2,067,348.61	88.47	347,584.78	902,924.40
April 2036	2,029,402.84	88.47	339,686.76	885,191.81
May 2036	1,992,062.63	88.47	331,952.58	867,768.21
June 2036	1,955,318.94	88.47	324,379.02	850,648.53
July 2036	1,919,162.86	88.47	316,962.90	833,827.79
August 2036	1,883,585.62	88.47	309,701.10	817,301.06
September 2036	1,848,578.56	88.47	302,590.58	801,063.51
October 2036	1,814,133.14	88.47	295,628.34	785,110.39
November 2036	1,780,240.97	88.47	288,811.44	769,437.00
December 2036	1,746,893.75	88.47	282,137.01	754,038.74
January 2037	1,714,083.31	88.47	275,602.21	738,911.08
February 2037	1,681,801.62	88.47	269,204.28	724,049.56
March 2037	1,650,040.73	88.47	262,940.50	709,449.77
April 2037	1,618,792.83	88.47	256,808.20	695,107.40
May 2037	1,588,050.21	88.47	250,804.77	681,018.20
June 2037	1,557,805.28	88.47	244,927.65	667,177.97
July 2037	1,528,050.55	88.47	239,174.32	653,582.61
August 2037	1,498,778.65	88.47	233,542.31	640,228.05
September 2037	1,469,982.30	88.47	228,029.21	627,110.32
October 2037	1,441,654.34	88.47	222,632.65	614,225.47

Distribution Date	Classes BD, BE, BG and HA (in the aggregate)	Classes BK and BZ (in the aggregate)	Classes CA, CB and CD (in the aggregate)	Classes DB, DM and DN (in the aggregate)
November 2037	\$ 1,413,787.71	\$ 88.47	\$ 217,350.29	\$ 601,569.66
December 2037	1,386,375.45	88.47	212,179.86	589,139.08
January 2038	1,359,410.70	88.47	207,119.12	576,929.99
February 2038	1,332,886.70	88.47	202,165.88	564,938.71
March 2038	1,306,796.79	88.47	197,317.98	553,161.63
April 2038	1,281,134.41	88.47	192,573.32	541,595.16
May 2038	1,255,893.08	88.47	187,929.82	530,235.82
June 2038	1,231,066.43	88.47	183,385.46	519,080.15
July 2038	1,206,648.18	88.47	178,938.24	508,124.75
August 2038	1,182,632.13	88.47	174,586.22	497,366.29
September 2038	1,159,012.17	88.47	170,327.48	486,801.47
October 2038	1,135,782.31	88.47	166,160.14	476,427.06
November 2038	1,112,936.60	88.47	162,082.36	466,239.89
December 2038	1,090,469.21	88.47	158,092.34	456,236.81
January 2039	1,068,374.39	88.47	154,188.31	446,414.74
February 2039	1,046,646.45	88.47	150,368.54	436,770.67
March 2039	1,025,279.82	88.47	146,631.32	427,301.59
April 2039	1,004,268.98	88.47	142,974.98	418,004.58
May 2039	983,608.51	88.47	139,397.89	408,876.74
June 2039	963,293.05	88.47	135,898.44	399,915.25
July 2039	943,317.33	88.47	132,475.06	391,117.29
August 2039	923,676.17	88.47	129,126.21	382,480.12
September 2039	904,364.44	88.47	125,850.38	374,001.03
October 2039	885,377.09	88.47	122,646.08	365,677.36
November 2039	866,709.17	88.47	119,511.86	357,506.49
December 2039	848,355.77	88.47	116,446.30	349,485.85
January 2040	830,312.06	88.47	113,447.99	341,612.88
February 2040	812,573.29	88.47	110,515.57	333,885.11
March 2040	795,134.77	88.47	107,647.69	326,300.07
April 2040	777,991.88	88.47	104,843.03	318,855.34
May 2040	761,140.08	88.47	102,100.31	311,548.56
June 2040	744,574.89	88.47	99,418.25	304,377.39
July 2040	728,291.87	88.47	96,795.62	297,339.51
August 2040	712,286.69	88.47	94,231.20	290,432.68
September 2040	696,555.05	88.47	91,723.79	283,654.65
October 2040	681,092.72	88.47	89,272.22	277,003.26
November 2040	665,895.54	88.47	86,875.35	270,476.33
December 2040	650,959.41	88.47	84,532.05	264,071.74
January 2041	636,280.28	88.47	82,241.22	257,787.42
February 2041	621,854.17	88.47	80,001.78	251,621.31
March 2041	607,677.16	88.47	77,812.67	245,571.40
April 2041	593,745.38	88.47	75,672.85	239,635.68
May 2041	580,055.01	88.47	73,581.31	233,812.22
June 2041	566,602.30	88.47	71,537.04	228,099.09
July 2041	553,383.55	88.47	69,539.07	222,494.40
August 2041	540,395.13	88.47	67,586.43	216,996.29
September 2041	527,633.43	88.47	65,678.19	211,602.93

Distribution Date	Classes BD, BE, BG and HA (in the aggregate)	Classes BK and BZ (in the aggregate)	Classes CA, CB and CD (in the aggregate)	Classes DB, DM and DN (in the aggregate)
October 2041	\$ 515,094.92	\$ 88.47	\$ 63,813.43	\$ 206,312.53
November 2041	502,776.11	88.47	61,991.24	201,123.30
December 2041	490,673.57	88.47	60,210.73	196,033.51
January 2042	478,783.91	88.47	58,471.04	191,041.45
February 2042	467,103.80	88.47	56,771.32	186,145.43
March 2042	455,629.96	88.47	55,110.73	181,343.79
April 2042	444,359.15	88.47	53,488.46	176,634.90
May 2042	433,288.18	88.47	51,903.70	172,017.17
June 2042	422,413.91	88.47	50,355.67	167,489.00
July 2042	411,733.25	88.47	48,843.59	163,048.85
August 2042	401,243.14	88.47	47,366.72	158,695.20
September 2042	390,940.59	88.47	45,924.31	154,426.53
October 2042	380,822.63	88.47	44,515.64	150,241.38
November 2042	370,886.35	88.47	43,140.00	146,138.29
December 2042	361,128.88	88.47	41,796.69	142,115.83
January 2043	351,547.38	88.47	40,485.03	138,172.60
February 2043	342,139.08	88.47	39,204.35	134,307.21
March 2043	332,901.23	88.47	37,954.00	130,518.30
April 2043	323,831.11	88.47	36,733.33	126,804.55
May 2043	314,926.08	88.47	35,541.72	123,164.62
June 2043	306,183.49	88.47	34,378.54	119,597.24
July 2043	297,600.77	88.47	33,243.20	116,101.12
August 2043	289,175.37	88.47	32,135.10	112,675.01
September 2043	280,904.77	88.47	31,053.66	109,317.69
October 2043	272,786.52	88.47	29,998.31	106,027.94
November 2043	264,818.16	88.47	28,968.49	102,804.58
December 2043	256,997.31	88.47	27,963.65	99,646.43
January 2044	249,321.60	88.47	26,983.27	96,552.33
February 2044	241,788.71	88.47	26,026.81	93,521.17
March 2044	234,396.34	88.47	25,093.76	90,551.82
April 2044	227,142.23	88.47	24,183.62	87,643.19
May 2044	220,024.16	88.47	23,295.90	84,794.20
June 2044	213,039.93	88.47	22,430.11	82,003.80
July 2044	206,187.40	88.47	21,585.78	79,270.93
August 2044	199,464.43	88.47	20,762.44	76,594.59
September 2044	192,868.93	88.47	19,959.64	73,973.75
October 2044	186,398.83	88.47	19,176.93	71,407.43
November 2044	180,052.12	88.47	18,413.88	68,894.66
December 2044	173,826.78	88.47	17,670.06	66,434.47
January 2045	167,720.84	88.47	16,945.05	64,025.93
February 2045	161,732.37	88.47	16,238.44	61,668.10
March 2045	155,859.45	88.47	15,549.82	59,360.09
April 2045	150,100.20	88.47	14,878.81	57,100.98
May 2045	144,452.76	88.47	14,225.01	54,889.91
June 2045	138,915.31	88.47	13,588.05	52,726.00
July 2045	133,486.05	88.47	12,967.56	50,608.41
August 2045	128,163.21	88.47	12,363.17	48,536.29

<u>Distribution Date</u>	<u>Classes BD, BE, BG and HA (in the aggregate)</u>	<u>Classes BK and BZ (in the aggregate)</u>	<u>Classes CA, CB and CD (in the aggregate)</u>	<u>Classes DB, DM and DN (in the aggregate)</u>
September 2045	\$ 122,945.04	\$ 88.47	\$ 11,774.53	\$ 46,508.82
October 2045	117,829.82	88.47	11,201.29	44,525.20
November 2045	112,815.87	88.47	10,643.11	42,584.63
December 2045	107,901.50	88.47	10,099.66	40,686.32
January 2046	103,085.10	88.47	9,570.61	38,829.51
February 2046	98,365.03	88.47	9,055.64	37,013.43
March 2046	93,739.70	88.47	8,554.43	35,237.35
April 2046	89,207.55	88.47	8,066.68	33,500.54
May 2046	84,767.03	88.47	7,592.09	31,802.27
June 2046	80,416.63	88.47	7,130.36	30,141.84
July 2046	76,154.84	88.47	6,681.20	28,518.56
August 2046	71,980.19	88.47	6,244.33	26,931.73
September 2046	67,891.22	88.47	5,819.47	25,380.69
October 2046	63,886.52	88.47	5,406.35	23,864.78
November 2046	59,964.67	88.47	5,004.70	22,383.36
December 2046	56,124.27	88.47	4,614.27	20,935.77
January 2047	52,363.98	88.47	4,234.80	19,521.39
February 2047	48,682.44	88.47	3,866.04	18,139.62
March 2047	45,078.33	88.47	3,507.74	16,789.83
April 2047	41,550.35	88.47	3,159.67	15,471.44
May 2047	38,097.21	88.47	2,821.59	14,183.86
June 2047	34,717.65	88.47	2,493.28	12,926.51
July 2047	31,410.43	88.47	2,174.50	11,698.83
August 2047	28,174.31	88.47	1,865.04	10,500.26
September 2047	25,008.09	88.47	1,564.68	9,330.26
October 2047	21,910.60	88.47	1,273.22	8,188.28
November 2047	18,880.64	88.47	990.44	7,073.80
December 2047	15,917.08	88.47	716.15	5,986.30
January 2048	13,018.78	88.47	450.14	4,925.27
February 2048	10,184.62	88.47	192.22	3,890.20
March 2048	7,413.51	88.47	0.00	2,880.61
April 2048	4,704.36	88.47	0.00	1,896.00
May 2048	2,056.11	88.47	0.00	935.91
June 2048 and thereafter	0.00	0.00	0.00	0.00

<u>Distribution Date</u>	<u>Class EP</u>	<u>Classes GA and GZ (in the aggregate)</u>	<u>Classes GC, GQ and GY (in the aggregate)</u>	<u>Class GP</u>
Initial Balance	\$1,980,000.00	\$2,981,000.00	\$28,327,593.00	\$2,671,000.00
August 2018	1,976,078.50	2,967,971.47	28,268,683.04	2,665,874.33
September 2018	1,970,193.65	2,951,699.88	28,201,118.32	2,658,186.04
October 2018	1,962,348.09	2,932,203.22	28,124,923.67	2,647,940.20
November 2018	1,952,548.39	2,909,506.78	28,040,130.57	2,635,146.38
December 2018	1,940,805.01	2,883,643.18	27,946,777.18	2,619,818.65
January 2019	1,927,132.29	2,854,652.32	27,844,908.28	2,601,975.63
February 2019	1,911,548.52	2,822,581.34	27,734,575.26	2,581,640.42
March 2019	1,894,075.88	2,787,484.59	27,615,836.09	2,558,840.63
April 2019	1,874,740.39	2,749,423.52	27,488,755.31	2,533,608.32
May 2019	1,853,571.95	2,708,466.60	27,353,403.92	2,505,979.99
June 2019	1,830,604.24	2,664,689.17	27,209,859.39	2,475,996.50
July 2019	1,805,874.71	2,618,173.32	27,058,205.55	2,443,703.04
August 2019	1,779,424.48	2,569,007.71	26,898,532.51	2,409,149.07
September 2019	1,751,298.30	2,517,287.41	26,730,936.64	2,372,388.17
October 2019	1,721,544.46	2,463,113.66	26,555,520.39	2,333,478.08
November 2019	1,690,214.69	2,406,593.67	26,372,392.27	2,292,480.48
December 2019	1,657,364.09	2,347,840.39	26,181,666.71	2,249,460.92
January 2020	1,623,051.00	2,286,972.20	25,983,463.93	2,204,488.78
February 2020	1,587,336.86	2,224,112.70	25,777,909.85	2,157,637.01
March 2020	1,550,286.16	2,159,390.35	25,565,135.94	2,108,982.12
April 2020	1,511,966.23	2,092,938.21	25,345,279.09	2,058,603.97
May 2020	1,472,447.11	2,024,893.57	25,118,481.46	2,006,585.62
June 2020	1,431,801.46	1,955,397.66	24,884,890.35	1,953,013.20
July 2020	1,390,104.32	1,884,595.26	24,644,658.01	1,897,975.73
August 2020	1,347,433.02	1,812,634.34	24,397,941.47	1,841,564.96
September 2020	1,303,866.95	1,739,665.69	24,144,902.44	1,783,875.15
October 2020	1,259,487.44	1,665,842.54	23,885,707.03	1,725,002.94
November 2020	1,214,377.53	1,594,159.24	23,620,525.64	1,665,047.13
December 2020	1,168,621.82	1,524,573.98	23,349,532.77	1,604,108.44
January 2021	1,124,037.63	1,457,045.67	23,080,817.08	1,544,566.99
February 2021	1,080,605.08	1,391,533.91	22,814,360.18	1,486,401.68
March 2021	1,038,304.52	1,327,999.00	22,550,143.80	1,429,591.76
April 2021	997,116.66	1,266,401.88	22,288,149.82	1,374,116.70
May 2021	957,022.44	1,206,704.19	22,028,360.28	1,319,956.23
June 2021	918,003.10	1,148,868.21	21,770,757.34	1,267,090.38
July 2021	880,040.15	1,092,856.86	21,515,323.31	1,215,499.41
August 2021	843,115.36	1,038,633.70	21,262,040.64	1,165,163.84
September 2021	807,210.79	986,162.90	21,010,891.93	1,116,064.44
October 2021	772,308.72	935,409.26	20,761,859.91	1,068,182.23
November 2021	738,391.75	886,338.17	20,514,927.44	1,021,498.48
December 2021	705,442.67	838,915.62	20,270,077.53	975,994.70
January 2022	673,444.58	793,108.18	20,027,293.31	931,652.64
February 2022	642,380.78	748,883.00	19,786,558.06	888,454.28
March 2022	612,234.85	706,207.79	19,547,855.19	846,381.85
April 2022	582,990.61	665,050.83	19,311,168.23	805,417.79
May 2022	554,632.10	625,380.94	19,076,480.84	765,544.81

<u>Distribution Date</u>	<u>Class EP</u>	<u>Classes GA and GZ (in the aggregate)</u>	<u>Classes GC, GQ and GY (in the aggregate)</u>	<u>Class GP</u>
June 2022	\$ 527,143.60	\$ 587,167.46	\$18,843,776.84	\$ 726,745.79
July 2022	500,509.64	550,380.29	18,613,040.15	689,003.87
August 2022	474,714.96	514,989.83	18,384,254.81	652,302.42
September 2022	449,744.54	480,967.02	18,157,405.02	616,624.98
October 2022	425,583.57	448,283.28	17,932,475.08	581,955.35
November 2022	402,217.47	416,910.53	17,709,449.43	548,277.52
December 2022	379,631.88	386,821.20	17,488,312.62	515,575.72
January 2023	357,812.64	357,988.18	17,269,049.32	483,834.35
February 2023	336,745.83	330,384.84	17,051,644.36	453,038.03
March 2023	316,417.69	303,985.02	16,836,082.63	423,171.59
April 2023	296,814.71	278,763.02	16,622,349.20	394,220.05
May 2023	277,923.57	254,693.59	16,410,429.21	366,168.65
June 2023	259,731.14	231,751.92	16,200,307.95	339,002.78
July 2023	242,224.51	209,913.63	15,991,970.82	312,708.08
August 2023	225,390.92	189,154.79	15,785,403.33	287,270.33
September 2023	209,217.86	169,451.87	15,580,591.10	262,675.53
October 2023	193,692.97	150,781.78	15,377,519.89	238,909.86
November 2023	178,804.09	133,121.82	15,176,175.54	215,959.69
December 2023	164,539.23	116,449.70	14,976,544.03	193,811.54
January 2024	150,886.61	100,743.54	14,778,611.44	172,452.15
February 2024	137,834.61	85,981.83	14,582,363.96	151,868.41
March 2024	125,371.78	72,143.45	14,387,787.88	132,047.42
April 2024	113,486.87	59,207.65	14,194,869.63	112,976.41
May 2024	102,168.78	47,607.55	14,003,595.72	94,642.79
June 2024	91,406.57	37,367.60	13,813,952.78	77,034.17
July 2024	81,189.51	28,450.98	13,625,927.53	60,138.30
August 2024	71,506.98	20,821.68	13,439,506.83	43,943.10
September 2024	62,348.56	14,444.46	13,254,677.61	28,436.65
October 2024	53,703.99	9,284.83	13,071,426.92	13,607.20
November 2024	45,563.16	5,309.05	12,889,741.91	0.00
December 2024	37,916.09	2,484.11	12,709,609.84	0.00
January 2025	30,753.01	777.70	12,531,018.06	0.00
February 2025	24,064.25	158.21	12,353,954.02	0.00
March 2025	17,840.34	158.21	12,178,405.29	0.00
April 2025	12,071.89	158.21	12,004,359.52	0.00
May 2025	7,031.81	158.21	11,831,804.45	0.00
June 2025	3,004.42	158.21	11,660,727.95	0.00
July 2025	0.00	158.21	11,491,117.96	0.00
August 2025	0.00	158.21	11,322,962.52	0.00
September 2025	0.00	158.21	11,156,249.78	0.00
October 2025	0.00	158.21	10,990,967.97	0.00
November 2025	0.00	158.21	10,827,105.41	0.00
December 2025	0.00	158.21	10,664,650.54	0.00
January 2026	0.00	158.21	10,503,591.85	0.00
February 2026	0.00	158.21	10,343,917.96	0.00
March 2026	0.00	158.21	10,185,617.56	0.00
April 2026	0.00	158.21	10,028,679.45	0.00

<u>Distribution Date</u>	<u>Class EP</u>	<u>Classes GA and GZ (in the aggregate)</u>	<u>Classes GC, GQ and GY (in the aggregate)</u>	<u>Class GP</u>
May 2026	\$ 0.00	\$ 158.21	\$ 9,873,092.49	\$ 0.00
June 2026	0.00	158.21	9,719,704.46	0.00
July 2026	0.00	158.21	9,568,572.84	0.00
August 2026	0.00	158.21	9,419,665.45	0.00
September 2026	0.00	158.21	9,272,950.59	0.00
October 2026	0.00	158.21	9,128,396.98	0.00
November 2026	0.00	158.21	8,985,973.79	0.00
December 2026	0.00	158.21	8,845,650.61	0.00
January 2027	0.00	158.21	8,707,397.47	0.00
February 2027	0.00	158.21	8,571,184.82	0.00
March 2027	0.00	158.21	8,436,983.50	0.00
April 2027	0.00	158.21	8,304,764.78	0.00
May 2027	0.00	158.21	8,174,500.33	0.00
June 2027	0.00	158.21	8,046,162.22	0.00
July 2027	0.00	158.21	7,919,722.89	0.00
August 2027	0.00	158.21	7,795,155.18	0.00
September 2027	0.00	158.21	7,672,432.33	0.00
October 2027	0.00	158.21	7,551,527.92	0.00
November 2027	0.00	158.21	7,432,415.91	0.00
December 2027	0.00	158.21	7,315,070.65	0.00
January 2028	0.00	158.21	7,199,466.82	0.00
February 2028	0.00	158.21	7,085,579.47	0.00
March 2028	0.00	158.21	6,973,383.99	0.00
April 2028	0.00	158.21	6,862,856.13	0.00
May 2028	0.00	158.21	6,753,971.96	0.00
June 2028	0.00	158.21	6,646,707.91	0.00
July 2028	0.00	158.21	6,541,040.72	0.00
August 2028	0.00	158.21	6,436,947.47	0.00
September 2028	0.00	158.21	6,334,405.55	0.00
October 2028	0.00	158.21	6,233,392.68	0.00
November 2028	0.00	158.21	6,133,886.88	0.00
December 2028	0.00	158.21	6,035,866.50	0.00
January 2029	0.00	158.21	5,939,310.16	0.00
February 2029	0.00	158.21	5,844,196.83	0.00
March 2029	0.00	158.21	5,750,505.71	0.00
April 2029	0.00	158.21	5,658,216.36	0.00
May 2029	0.00	158.21	5,567,308.59	0.00
June 2029	0.00	158.21	5,477,762.48	0.00
July 2029	0.00	158.21	5,389,558.44	0.00
August 2029	0.00	158.21	5,302,677.11	0.00
September 2029	0.00	158.21	5,217,099.42	0.00
October 2029	0.00	158.21	5,132,806.57	0.00
November 2029	0.00	158.21	5,049,780.02	0.00
December 2029	0.00	158.21	4,968,001.50	0.00
January 2030	0.00	158.21	4,887,452.99	0.00
February 2030	0.00	158.21	4,808,116.72	0.00
March 2030	0.00	158.21	4,729,975.18	0.00

<u>Distribution Date</u>	<u>Class EP</u>	<u>Classes GA and GZ (in the aggregate)</u>	<u>Classes GC, GQ and GY (in the aggregate)</u>	<u>Class GP</u>
April 2030	\$ 0.00	\$ 158.21	\$ 4,653,011.10	\$ 0.00
May 2030	0.00	158.21	4,577,207.46	0.00
June 2030	0.00	158.21	4,502,547.46	0.00
July 2030	0.00	158.21	4,429,014.58	0.00
August 2030	0.00	158.21	4,356,592.48	0.00
September 2030	0.00	158.21	4,285,265.10	0.00
October 2030	0.00	158.21	4,215,016.56	0.00
November 2030	0.00	158.21	4,145,831.25	0.00
December 2030	0.00	158.21	4,077,693.74	0.00
January 2031	0.00	158.21	4,010,588.84	0.00
February 2031	0.00	158.21	3,944,501.59	0.00
March 2031	0.00	158.21	3,879,417.19	0.00
April 2031	0.00	158.21	3,815,321.11	0.00
May 2031	0.00	158.21	3,752,198.98	0.00
June 2031	0.00	158.21	3,690,036.66	0.00
July 2031	0.00	158.21	3,628,820.19	0.00
August 2031	0.00	158.21	3,568,535.83	0.00
September 2031	0.00	158.21	3,509,170.01	0.00
October 2031	0.00	158.21	3,450,709.38	0.00
November 2031	0.00	158.21	3,393,140.75	0.00
December 2031	0.00	158.21	3,336,451.13	0.00
January 2032	0.00	158.21	3,280,627.72	0.00
February 2032	0.00	158.21	3,225,657.89	0.00
March 2032	0.00	158.21	3,171,529.20	0.00
April 2032	0.00	158.21	3,118,229.38	0.00
May 2032	0.00	158.21	3,065,746.33	0.00
June 2032	0.00	158.21	3,014,068.14	0.00
July 2032	0.00	158.21	2,963,183.04	0.00
August 2032	0.00	158.21	2,913,079.46	0.00
September 2032	0.00	158.21	2,863,745.96	0.00
October 2032	0.00	158.21	2,815,171.28	0.00
November 2032	0.00	158.21	2,767,344.33	0.00
December 2032	0.00	158.21	2,720,254.16	0.00
January 2033	0.00	158.21	2,673,889.99	0.00
February 2033	0.00	158.21	2,628,241.18	0.00
March 2033	0.00	158.21	2,583,297.24	0.00
April 2033	0.00	158.21	2,539,047.85	0.00
May 2033	0.00	158.21	2,495,482.82	0.00
June 2033	0.00	158.21	2,452,592.10	0.00
July 2033	0.00	158.21	2,410,365.79	0.00
August 2033	0.00	158.21	2,368,794.14	0.00
September 2033	0.00	158.21	2,327,867.53	0.00
October 2033	0.00	158.21	2,287,576.48	0.00
November 2033	0.00	158.21	2,247,911.63	0.00
December 2033	0.00	158.21	2,208,863.78	0.00
January 2034	0.00	158.21	2,170,423.84	0.00
February 2034	0.00	158.21	2,132,582.87	0.00

<u>Distribution Date</u>	<u>Class EP</u>	<u>Classes GA and GZ (in the aggregate)</u>	<u>Classes GC, GQ and GY (in the aggregate)</u>	<u>Class GP</u>
March 2034	\$ 0.00	\$ 158.21	\$ 2,095,332.02	\$ 0.00
April 2034	0.00	158.21	2,058,662.62	0.00
May 2034	0.00	158.21	2,022,566.07	0.00
June 2034	0.00	158.21	1,987,033.93	0.00
July 2034	0.00	158.21	1,952,057.86	0.00
August 2034	0.00	158.21	1,917,629.66	0.00
September 2034	0.00	158.21	1,883,741.23	0.00
October 2034	0.00	158.21	1,850,384.58	0.00
November 2034	0.00	158.21	1,817,551.85	0.00
December 2034	0.00	158.21	1,785,235.29	0.00
January 2035	0.00	158.21	1,753,427.25	0.00
February 2035	0.00	158.21	1,722,120.21	0.00
March 2035	0.00	158.21	1,691,306.74	0.00
April 2035	0.00	158.21	1,660,979.51	0.00
May 2035	0.00	158.21	1,631,131.31	0.00
June 2035	0.00	158.21	1,601,755.04	0.00
July 2035	0.00	158.21	1,572,843.69	0.00
August 2035	0.00	158.21	1,544,390.34	0.00
September 2035	0.00	158.21	1,516,388.18	0.00
October 2035	0.00	158.21	1,488,830.51	0.00
November 2035	0.00	158.21	1,461,710.72	0.00
December 2035	0.00	158.21	1,435,022.27	0.00
January 2036	0.00	158.21	1,408,758.74	0.00
February 2036	0.00	158.21	1,382,913.80	0.00
March 2036	0.00	158.21	1,357,481.21	0.00
April 2036	0.00	158.21	1,332,454.81	0.00
May 2036	0.00	158.21	1,307,828.54	0.00
June 2036	0.00	158.21	1,283,596.41	0.00
July 2036	0.00	158.21	1,259,752.54	0.00
August 2036	0.00	158.21	1,236,291.12	0.00
September 2036	0.00	158.21	1,213,206.43	0.00
October 2036	0.00	158.21	1,190,492.82	0.00
November 2036	0.00	158.21	1,168,144.73	0.00
December 2036	0.00	158.21	1,146,156.69	0.00
January 2037	0.00	158.21	1,124,523.29	0.00
February 2037	0.00	158.21	1,103,239.22	0.00
March 2037	0.00	158.21	1,082,299.22	0.00
April 2037	0.00	158.21	1,061,698.12	0.00
May 2037	0.00	158.21	1,041,430.84	0.00
June 2037	0.00	158.21	1,021,492.34	0.00
July 2037	0.00	158.21	1,001,877.67	0.00
August 2037	0.00	158.21	982,581.97	0.00
September 2037	0.00	158.21	963,600.42	0.00
October 2037	0.00	158.21	944,928.28	0.00
November 2037	0.00	158.21	926,560.89	0.00
December 2037	0.00	158.21	908,493.64	0.00
January 2038	0.00	158.21	890,721.99	0.00

<u>Distribution Date</u>	<u>Class EP</u>	<u>Classes GA and GZ (in the aggregate)</u>	<u>Classes GC, GQ and GY (in the aggregate)</u>	<u>Class GP</u>
February 2038	\$ 0.00	\$ 158.21	\$ 873,241.48	\$ 0.00
March 2038	0.00	158.21	856,047.71	0.00
April 2038	0.00	158.21	839,136.32	0.00
May 2038	0.00	158.21	822,503.05	0.00
June 2038	0.00	158.21	806,143.68	0.00
July 2038	0.00	158.21	790,054.04	0.00
August 2038	0.00	158.21	774,230.06	0.00
September 2038	0.00	158.21	758,667.68	0.00
October 2038	0.00	158.21	743,362.95	0.00
November 2038	0.00	158.21	728,311.92	0.00
December 2038	0.00	158.21	713,510.76	0.00
January 2039	0.00	158.21	698,955.64	0.00
February 2039	0.00	158.21	684,642.83	0.00
March 2039	0.00	158.21	670,568.61	0.00
April 2039	0.00	158.21	656,729.36	0.00
May 2039	0.00	158.21	643,121.48	0.00
June 2039	0.00	158.21	629,741.44	0.00
July 2039	0.00	158.21	616,585.75	0.00
August 2039	0.00	158.21	603,650.98	0.00
September 2039	0.00	158.21	590,933.74	0.00
October 2039	0.00	158.21	578,430.69	0.00
November 2039	0.00	158.21	566,138.56	0.00
December 2039	0.00	158.21	554,054.11	0.00
January 2040	0.00	158.21	542,174.14	0.00
February 2040	0.00	158.21	530,495.50	0.00
March 2040	0.00	158.21	519,015.11	0.00
April 2040	0.00	158.21	507,729.91	0.00
May 2040	0.00	158.21	496,636.89	0.00
June 2040	0.00	158.21	485,733.09	0.00
July 2040	0.00	158.21	475,015.58	0.00
August 2040	0.00	158.21	464,481.50	0.00
September 2040	0.00	158.21	454,127.99	0.00
October 2040	0.00	158.21	443,952.28	0.00
November 2040	0.00	158.21	433,951.60	0.00
December 2040	0.00	158.21	424,123.24	0.00
January 2041	0.00	158.21	414,464.54	0.00
February 2041	0.00	158.21	404,972.85	0.00
March 2041	0.00	158.21	395,645.59	0.00
April 2041	0.00	158.21	386,480.19	0.00
May 2041	0.00	158.21	377,474.14	0.00
June 2041	0.00	158.21	368,624.96	0.00
July 2041	0.00	158.21	359,930.20	0.00
August 2041	0.00	158.21	351,387.45	0.00
September 2041	0.00	158.21	342,994.33	0.00
October 2041	0.00	158.21	334,748.52	0.00
November 2041	0.00	158.21	326,647.70	0.00
December 2041	0.00	158.21	318,689.61	0.00

<u>Distribution Date</u>	<u>Class EP</u>	<u>Classes GA and GZ (in the aggregate)</u>	<u>Classes GC, GQ and GY (in the aggregate)</u>	<u>Class GP</u>
January 2042	\$ 0.00	\$ 158.21	\$ 310,872.00	\$ 0.00
February 2042	0.00	158.21	303,192.68	0.00
March 2042	0.00	158.21	295,649.47	0.00
April 2042	0.00	158.21	288,240.24	0.00
May 2042	0.00	158.21	280,962.87	0.00
June 2042	0.00	158.21	273,815.30	0.00
July 2042	0.00	158.21	266,795.47	0.00
August 2042	0.00	158.21	259,901.38	0.00
September 2042	0.00	158.21	253,131.03	0.00
October 2042	0.00	158.21	246,482.48	0.00
November 2042	0.00	158.21	239,953.78	0.00
December 2042	0.00	158.21	233,543.06	0.00
January 2043	0.00	158.21	227,248.43	0.00
February 2043	0.00	158.21	221,068.06	0.00
March 2043	0.00	158.21	215,000.13	0.00
April 2043	0.00	158.21	209,042.85	0.00
May 2043	0.00	158.21	203,194.46	0.00
June 2043	0.00	158.21	197,453.24	0.00
July 2043	0.00	158.21	191,817.46	0.00
August 2043	0.00	158.21	186,285.44	0.00
September 2043	0.00	158.21	180,855.54	0.00
October 2043	0.00	158.21	175,526.11	0.00
November 2043	0.00	158.21	170,295.55	0.00
December 2043	0.00	158.21	165,162.26	0.00
January 2044	0.00	158.21	160,124.70	0.00
February 2044	0.00	158.21	155,181.31	0.00
March 2044	0.00	158.21	150,330.60	0.00
April 2044	0.00	158.21	145,571.06	0.00
May 2044	0.00	158.21	140,901.22	0.00
June 2044	0.00	158.21	136,319.65	0.00
July 2044	0.00	158.21	131,824.90	0.00
August 2044	0.00	158.21	127,415.58	0.00
September 2044	0.00	158.21	123,090.31	0.00
October 2044	0.00	158.21	118,847.71	0.00
November 2044	0.00	158.21	114,686.46	0.00
December 2044	0.00	158.21	110,605.22	0.00
January 2045	0.00	158.21	106,602.70	0.00
February 2045	0.00	158.21	102,677.61	0.00
March 2045	0.00	158.21	98,828.70	0.00
April 2045	0.00	158.21	95,054.71	0.00
May 2045	0.00	158.21	91,354.42	0.00
June 2045	0.00	158.21	87,726.62	0.00
July 2045	0.00	158.21	84,170.13	0.00
August 2045	0.00	158.21	80,683.78	0.00
September 2045	0.00	158.21	77,266.41	0.00
October 2045	0.00	158.21	73,916.89	0.00
November 2045	0.00	158.21	70,634.10	0.00

<u>Distribution Date</u>	<u>Class EP</u>	<u>Classes GA and GZ (in the aggregate)</u>	<u>Classes GC, GQ and GY (in the aggregate)</u>	<u>Class GP</u>
December 2045	\$ 0.00	\$ 158.21	\$ 67,416.94	\$ 0.00
January 2046	0.00	158.21	64,264.32	0.00
February 2046	0.00	158.21	61,175.18	0.00
March 2046	0.00	158.21	58,148.47	0.00
April 2046	0.00	158.21	55,183.14	0.00
May 2046	0.00	158.21	52,278.19	0.00
June 2046	0.00	158.21	49,432.60	0.00
July 2046	0.00	158.21	46,645.39	0.00
August 2046	0.00	158.21	43,915.59	0.00
September 2046	0.00	158.21	41,242.23	0.00
October 2046	0.00	158.21	38,624.36	0.00
November 2046	0.00	158.21	36,061.07	0.00
December 2046	0.00	158.21	33,551.44	0.00
January 2047	0.00	158.21	31,094.55	0.00
February 2047	0.00	158.21	28,689.53	0.00
March 2047	0.00	158.21	26,335.50	0.00
April 2047	0.00	158.21	24,031.61	0.00
May 2047	0.00	158.21	21,776.99	0.00
June 2047	0.00	158.21	19,570.82	0.00
July 2047	0.00	158.21	17,412.28	0.00
August 2047	0.00	158.21	15,300.56	0.00
September 2047	0.00	158.21	13,234.85	0.00
October 2047	0.00	158.21	11,214.39	0.00
November 2047	0.00	158.21	9,238.38	0.00
December 2047	0.00	158.21	7,306.08	0.00
January 2048	0.00	158.21	5,416.74	0.00
February 2048	0.00	158.21	3,569.61	0.00
March 2048	0.00	100.42	1,763.98	0.00
April 2048 and thereafter	0.00	0.00	0.00	0.00

<u>Distribution Date</u>	<u>Classes JM and JN (in the aggregate)</u>	<u>Classes NA and NZ (in the aggregate)</u>	<u>Classes NP and ZN (in the aggregate)</u>	<u>Classes PA and PZ (in the aggregate)</u>
Initial Balance	\$12,394,000.00	\$104,625,000.00	\$8,484,000.00	\$66,489,000.00
August 2018	12,368,007.09	104,413,792.39	8,466,871.30	66,354,777.03
September 2018	12,337,429.78	104,162,777.85	8,446,514.30	66,195,256.64
October 2018	12,302,279.15	103,872,048.91	8,422,936.51	66,010,497.66
November 2018	12,262,570.51	103,541,738.67	8,396,148.71	65,800,584.65
December 2018	12,218,323.38	103,172,020.84	8,366,165.01	65,565,628.03
January 2019	12,169,561.48	102,763,109.77	8,333,002.78	65,305,764.00
February 2019	12,116,312.74	102,315,260.32	8,296,682.68	65,021,154.52
March 2019	12,058,609.28	101,828,767.69	8,257,228.67	64,711,987.22
April 2019	11,996,487.38	101,303,967.26	8,214,667.94	64,378,475.20
May 2019	11,929,987.46	100,741,234.23	8,169,030.92	64,020,856.92
June 2019	11,859,154.01	100,140,983.31	8,120,351.24	63,639,395.93
July 2019	11,784,035.60	99,503,668.23	8,068,665.70	63,234,380.56
August 2019	11,704,684.79	98,829,781.30	8,014,014.22	62,806,123.70
September 2019	11,621,158.09	98,119,852.79	7,956,439.80	62,354,962.32
October 2019	11,533,515.92	97,374,450.34	7,895,988.49	61,881,257.15
November 2019	11,441,822.48	96,594,178.20	7,832,709.29	61,385,392.21
December 2019	11,346,145.75	95,779,676.52	7,766,654.11	60,867,774.31
January 2020	11,246,557.35	94,931,620.46	7,697,877.71	60,328,832.51
February 2020	11,143,132.50	94,050,719.35	7,626,437.61	59,769,017.61
March 2020	11,035,949.90	93,137,715.69	7,552,394.03	59,188,801.45
April 2020	10,925,091.62	92,193,384.14	7,475,809.79	58,588,676.33
May 2020	10,810,643.06	91,218,530.45	7,396,750.24	57,969,154.32
June 2020	10,692,692.75	90,213,990.32	7,315,283.16	57,330,766.50
July 2020	10,571,332.32	89,180,628.25	7,231,478.65	56,674,062.26
August 2020	10,446,656.33	88,119,336.23	7,145,409.04	55,999,608.47
September 2020	10,318,762.19	87,031,032.51	7,057,148.82	55,307,988.67
October 2020	10,187,749.96	85,916,660.26	6,966,774.47	54,599,802.26
November 2020	10,053,722.31	84,777,186.17	6,874,364.39	53,875,663.56
December 2020	9,916,784.32	83,613,599.04	6,779,998.77	53,136,200.96
January 2021	9,781,227.89	82,463,127.81	6,686,696.84	52,405,073.55
February 2021	9,647,039.50	81,325,628.67	6,594,446.92	51,682,189.94
March 2021	9,514,205.78	80,200,959.37	6,503,237.50	50,967,459.73
April 2021	9,382,713.47	79,088,979.20	6,413,057.14	50,260,793.48
May 2021	9,252,549.43	77,989,548.94	6,323,894.57	49,562,102.74
June 2021	9,123,700.67	76,902,530.90	6,235,738.62	48,871,300.00
July 2021	8,996,154.31	75,827,788.88	6,148,578.24	48,188,298.69
August 2021	8,869,897.60	74,765,188.15	6,062,402.50	47,513,013.21
September 2021	8,744,917.91	73,714,595.41	5,977,200.60	46,845,358.84
October 2021	8,621,202.72	72,675,878.85	5,892,961.84	46,185,251.81
November 2021	8,498,739.66	71,648,908.03	5,809,675.65	45,532,609.23
December 2021	8,377,516.46	70,633,553.97	5,727,331.57	44,887,349.12
January 2022	8,257,520.96	69,629,689.04	5,645,919.24	44,249,390.40
February 2022	8,138,741.14	68,637,187.04	5,565,428.43	43,618,652.83
March 2022	8,021,165.07	67,655,923.08	5,485,849.02	42,995,057.08
April 2022	7,904,780.96	66,685,773.66	5,407,170.98	42,378,524.64
May 2022	7,789,577.12	65,726,616.60	5,329,384.41	41,768,977.88
June 2022	7,675,541.98	64,778,331.05	5,252,479.51	41,166,339.99

<u>Distribution Date</u>	<u>Classes JM and JN (in the aggregate)</u>	<u>Classes NA and NZ (in the aggregate)</u>	<u>Classes NP and ZN (in the aggregate)</u>	<u>Classes PA and PZ (in the aggregate)</u>
July 2022	\$ 7,562,664.07	\$ 63,840,797.46	\$5,176,446.58	\$40,570,534.99
August 2022	7,450,932.03	62,913,897.58	5,101,276.03	39,981,487.75
September 2022	7,340,334.63	61,997,514.43	5,026,958.38	39,399,123.91
October 2022	7,230,860.74	61,091,532.30	4,953,484.23	38,823,369.95
November 2022	7,122,499.32	60,195,836.74	4,880,844.32	38,254,153.13
December 2022	7,015,239.45	59,310,314.53	4,809,029.46	37,691,401.50
January 2023	6,909,070.32	58,434,853.68	4,738,030.56	37,135,043.89
February 2023	6,803,981.22	57,569,343.40	4,667,838.64	36,585,009.90
March 2023	6,699,961.55	56,713,674.13	4,598,444.81	36,041,229.89
April 2023	6,597,000.79	55,867,737.47	4,529,840.29	35,503,634.98
May 2023	6,495,088.54	55,031,426.19	4,462,016.38	34,972,157.02
June 2023	6,394,214.50	54,204,634.24	4,394,964.47	34,446,728.63
July 2023	6,294,368.46	53,387,256.72	4,328,676.06	33,927,283.12
August 2023	6,195,540.33	52,579,189.84	4,263,142.74	33,413,754.55
September 2023	6,097,720.09	51,780,330.96	4,198,356.17	32,906,077.69
October 2023	6,000,897.83	50,990,578.54	4,134,308.13	32,404,188.01
November 2023	5,905,063.74	50,209,832.16	4,070,990.47	31,908,021.68
December 2023	5,810,208.10	49,437,992.45	4,008,395.13	31,417,515.58
January 2024	5,716,321.28	48,674,961.15	3,946,514.14	30,932,607.23
February 2024	5,623,393.75	47,920,641.05	3,885,339.62	30,453,234.88
March 2024	5,531,416.06	47,174,936.01	3,824,863.77	29,979,337.42
April 2024	5,440,378.87	46,437,750.90	3,765,078.88	29,510,854.40
May 2024	5,350,272.91	45,708,991.66	3,705,977.31	29,047,726.04
June 2024	5,261,089.03	44,988,565.23	3,647,551.53	28,589,893.20
July 2024	5,172,818.13	44,276,379.56	3,589,794.07	28,137,297.39
August 2024	5,085,451.21	43,572,343.59	3,532,697.53	27,689,880.73
September 2024	4,998,979.39	42,876,367.27	3,476,254.63	27,247,586.00
October 2024	4,913,393.83	42,188,361.51	3,420,458.13	26,810,356.58
November 2024	4,828,685.80	41,508,238.20	3,365,300.88	26,378,136.47
December 2024	4,744,846.64	40,835,910.16	3,310,775.83	25,950,870.28
January 2025	4,661,867.80	40,171,291.18	3,256,875.97	25,528,503.22
February 2025	4,579,740.79	39,514,295.99	3,203,594.39	25,110,981.10
March 2025	4,498,457.20	38,864,840.22	3,150,924.25	24,698,250.30
April 2025	4,418,008.71	38,222,840.44	3,098,858.78	24,290,257.80
May 2025	4,338,387.09	37,588,214.12	3,047,391.30	23,886,951.14
June 2025	4,259,584.17	36,960,879.61	2,996,515.17	23,488,278.46
July 2025	4,181,969.58	36,342,401.49	2,946,357.28	23,095,234.03
August 2025	4,105,720.64	35,733,852.31	2,897,004.62	22,708,499.48
September 2025	4,030,813.84	35,135,076.61	2,848,444.58	22,327,975.99
October 2025	3,957,226.08	34,545,921.32	2,800,664.74	21,953,566.29
November 2025	3,884,934.64	33,966,235.70	2,753,652.88	21,585,174.60
December 2025	3,813,917.18	33,395,871.38	2,707,396.97	21,222,706.61
January 2026	3,744,151.75	32,834,682.25	2,661,885.15	20,866,069.49
February 2026	3,675,616.77	32,282,524.45	2,617,105.77	20,515,171.79
March 2026	3,608,291.03	31,739,256.36	2,573,047.33	20,169,923.53
April 2026	3,542,153.68	31,204,738.53	2,529,698.53	19,830,236.08
May 2026	3,477,184.21	30,678,833.66	2,487,048.23	19,496,022.20
June 2026	3,413,362.48	30,161,406.58	2,445,085.47	19,167,195.96

<u>Distribution Date</u>	<u>Classes JM and JN (in the aggregate)</u>	<u>Classes NA and NZ (in the aggregate)</u>	<u>Classes NP and ZN (in the aggregate)</u>	<u>Classes PA and PZ (in the aggregate)</u>
July 2026	\$ 3,350,668.68	\$ 29,652,324.20	\$2,403,799.46	\$18,843,672.81
August 2026	3,289,083.33	29,151,455.48	2,363,179.56	18,525,369.46
September 2026	3,228,587.30	28,658,671.42	2,323,215.32	18,212,203.92
October 2026	3,169,161.76	28,173,844.98	2,283,896.44	17,904,095.49
November 2026	3,110,788.24	27,696,851.13	2,245,212.77	17,600,964.67
December 2026	3,053,448.53	27,227,566.72	2,207,154.33	17,302,733.23
January 2027	2,997,124.78	26,765,870.53	2,169,711.28	17,009,324.12
February 2027	2,941,799.41	26,311,643.23	2,132,873.95	16,720,661.51
March 2027	2,887,455.17	25,864,767.29	2,096,632.81	16,436,670.71
April 2027	2,834,075.06	25,425,127.04	2,060,978.48	16,157,278.21
May 2027	2,781,642.41	24,992,608.58	2,025,901.71	15,882,411.62
June 2027	2,730,140.82	24,567,099.76	1,991,393.42	15,611,999.67
July 2027	2,679,554.16	24,148,490.19	1,957,444.65	15,345,972.22
August 2027	2,629,866.59	23,736,671.16	1,924,046.58	15,084,260.17
September 2027	2,581,062.53	23,331,535.67	1,891,190.54	14,826,795.53
October 2027	2,533,126.66	22,932,978.35	1,858,867.99	14,573,511.34
November 2027	2,486,043.94	22,540,895.48	1,827,070.51	14,324,341.67
December 2027	2,439,799.58	22,155,184.95	1,795,789.81	14,079,221.64
January 2028	2,394,379.02	21,775,746.21	1,765,017.75	13,838,087.35
February 2028	2,349,767.98	21,402,480.27	1,734,746.30	13,600,875.89
March 2028	2,305,952.41	21,035,289.69	1,704,967.55	13,367,525.34
April 2028	2,262,918.49	20,674,078.54	1,675,673.73	13,137,974.73
May 2028	2,220,652.65	20,318,752.35	1,646,857.17	12,912,164.03
June 2028	2,179,141.54	19,969,218.15	1,618,510.34	12,690,034.15
July 2028	2,138,372.06	19,625,384.38	1,590,625.80	12,471,526.91
August 2028	2,098,331.31	19,287,160.91	1,563,196.26	12,256,585.03
September 2028	2,059,006.62	18,954,459.03	1,536,214.50	12,045,152.14
October 2028	2,020,385.53	18,627,191.37	1,509,673.46	11,837,172.70
November 2028	1,982,455.80	18,305,271.93	1,483,566.15	11,632,592.07
December 2028	1,945,205.40	17,988,616.06	1,457,885.71	11,431,356.46
January 2029	1,908,622.50	17,677,140.40	1,432,625.38	11,233,412.88
February 2029	1,872,695.47	17,370,762.90	1,407,778.51	11,038,709.19
March 2029	1,837,412.90	17,069,402.77	1,383,338.54	10,847,194.06
April 2029	1,802,763.54	16,772,980.50	1,359,299.02	10,658,816.95
May 2029	1,768,736.37	16,481,417.79	1,335,653.61	10,473,528.10
June 2029	1,735,320.52	16,194,637.56	1,312,396.05	10,291,278.53
July 2029	1,702,505.34	15,912,563.93	1,289,520.20	10,112,020.02
August 2029	1,670,280.34	15,635,122.22	1,267,019.98	9,935,705.10
September 2029	1,638,635.23	15,362,238.87	1,244,889.45	9,762,287.04
October 2029	1,607,559.87	15,093,841.51	1,223,122.72	9,591,719.83
November 2029	1,577,044.32	14,829,858.85	1,201,714.02	9,423,958.18
December 2029	1,547,078.78	14,570,220.75	1,180,657.66	9,258,957.50
January 2030	1,517,653.66	14,314,858.13	1,159,948.04	9,096,673.90
February 2030	1,488,759.49	14,063,703.01	1,139,579.63	8,937,064.18
March 2030	1,460,386.99	13,816,688.45	1,119,547.03	8,780,085.79
April 2030	1,432,527.04	13,573,748.55	1,099,844.87	8,625,696.87
May 2030	1,405,170.65	13,334,818.45	1,080,467.91	8,473,856.18
June 2030	1,378,309.02	13,099,834.30	1,061,410.96	8,324,523.15

<u>Distribution Date</u>	<u>Classes JM and JN (in the aggregate)</u>	<u>Classes NA and NZ (in the aggregate)</u>	<u>Classes NP and ZN (in the aggregate)</u>	<u>Classes PA and PZ (in the aggregate)</u>
July 2030	\$ 1,351,933.48	\$ 12,868,733.24	\$1,042,668.92	\$ 8,177,657.84
August 2030	1,326,035.50	12,641,453.39	1,024,236.77	8,033,220.91
September 2030	1,300,606.73	12,417,933.82	1,006,109.58	7,891,173.65
October 2030	1,275,638.92	12,198,114.57	988,282.49	7,751,477.95
November 2030	1,251,124.00	11,981,936.61	970,750.70	7,614,096.31
December 2030	1,227,054.01	11,769,341.84	953,509.50	7,478,991.79
January 2031	1,203,421.15	11,560,273.04	936,554.25	7,346,128.03
February 2031	1,180,217.74	11,354,673.90	919,880.39	7,215,469.25
March 2031	1,157,436.23	11,152,488.99	903,483.42	7,086,980.22
April 2031	1,135,069.21	10,953,663.74	887,358.91	6,960,626.27
May 2031	1,113,109.39	10,758,144.45	871,502.51	6,836,373.26
June 2031	1,091,549.62	10,565,878.22	855,909.94	6,714,187.58
July 2031	1,070,382.84	10,376,813.02	840,576.96	6,594,036.16
August 2031	1,049,602.15	10,190,897.59	825,499.43	6,475,886.43
September 2031	1,029,200.75	10,008,081.52	810,673.25	6,359,706.35
October 2031	1,009,171.95	9,828,315.15	796,094.39	6,245,464.36
November 2031	989,509.18	9,651,549.60	781,758.90	6,133,129.40
December 2031	970,206.00	9,477,736.77	767,662.88	6,022,670.91
January 2032	951,256.07	9,306,829.32	753,802.47	5,914,058.78
February 2032	932,653.14	9,138,780.61	740,173.91	5,807,263.40
March 2032	914,391.11	8,973,544.78	726,773.47	5,702,255.60
April 2032	896,463.93	8,811,076.64	713,597.48	5,599,006.69
May 2032	878,865.71	8,651,331.76	700,642.35	5,497,488.41
June 2032	861,590.63	8,494,266.36	687,904.52	5,397,672.95
July 2032	844,632.96	8,339,837.37	675,380.50	5,299,532.93
August 2032	827,987.11	8,188,002.38	663,066.85	5,203,041.40
September 2032	811,647.55	8,038,719.67	650,960.19	5,108,171.86
October 2032	795,608.86	7,891,948.15	639,057.19	5,014,898.18
November 2032	779,865.72	7,747,647.37	627,354.55	4,923,194.67
December 2032	764,412.87	7,605,777.55	615,849.07	4,833,036.03
January 2033	749,245.19	7,466,299.50	604,537.55	4,744,397.37
February 2033	734,357.61	7,329,174.65	593,416.88	4,657,254.18
March 2033	719,745.16	7,194,365.05	582,483.97	4,571,582.34
April 2033	705,402.96	7,061,833.34	571,735.80	4,487,358.10
May 2033	691,326.22	6,931,542.74	561,169.38	4,404,558.09
June 2033	677,510.21	6,803,457.05	550,781.77	4,323,159.31
July 2033	663,950.30	6,677,540.65	540,570.09	4,243,139.11
August 2033	650,641.94	6,553,758.47	530,531.49	4,164,475.22
September 2033	637,580.65	6,432,075.98	520,663.18	4,087,145.69
October 2033	624,762.03	6,312,459.23	510,962.39	4,011,128.93
November 2033	612,181.78	6,194,874.76	501,426.42	3,936,403.70
December 2033	599,835.63	6,079,289.67	492,052.60	3,862,949.08
January 2034	587,719.42	5,965,671.56	482,838.30	3,790,744.48
February 2034	575,829.04	5,853,988.54	473,780.93	3,719,769.64
March 2034	564,160.47	5,744,209.24	464,877.95	3,650,004.61
April 2034	552,709.75	5,636,302.76	456,126.86	3,581,429.77
May 2034	541,472.99	5,530,238.71	447,525.18	3,514,025.79
June 2034	530,446.37	5,425,987.16	439,070.49	3,447,773.67

<u>Distribution Date</u>	<u>Classes JM and JN (in the aggregate)</u>	<u>Classes NA and NZ (in the aggregate)</u>	<u>Classes NP and ZN (in the aggregate)</u>	<u>Classes PA and PZ (in the aggregate)</u>
July 2034	\$ 519,626.13	\$ 5,323,518.66	\$ 430,760.41	\$ 3,382,654.67
August 2034	509,008.58	5,222,804.23	422,592.59	3,318,650.40
September 2034	498,590.09	5,123,815.34	414,564.70	3,255,742.70
October 2034	488,367.10	5,026,523.91	406,674.47	3,193,913.75
November 2034	478,336.11	4,930,902.31	398,919.67	3,133,145.98
December 2034	468,493.68	4,836,923.34	391,298.08	3,073,422.11
January 2035	458,836.43	4,744,560.24	383,807.53	3,014,725.12
February 2035	449,361.03	4,653,786.64	376,445.89	2,957,038.27
March 2035	440,064.22	4,564,576.64	369,211.06	2,900,345.08
April 2035	430,942.81	4,476,904.71	362,100.96	2,844,629.34
May 2035	421,993.62	4,390,745.73	355,113.57	2,789,875.09
June 2035	413,213.58	4,306,074.98	348,246.86	2,736,066.62
July 2035	404,599.63	4,222,868.15	341,498.88	2,683,188.46
August 2035	396,148.79	4,141,101.29	334,867.68	2,631,225.41
September 2035	387,858.12	4,060,750.83	328,351.35	2,580,162.49
October 2035	379,724.74	3,981,793.59	321,948.00	2,529,984.96
November 2035	371,745.81	3,904,206.74	315,655.80	2,480,678.32
December 2035	363,918.55	3,827,967.83	309,472.91	2,432,228.30
January 2036	356,240.22	3,753,054.76	303,397.54	2,384,620.85
February 2036	348,708.13	3,679,445.77	297,427.93	2,337,842.15
March 2036	341,319.63	3,607,119.44	291,562.35	2,291,878.58
April 2036	334,072.14	3,536,054.73	285,799.08	2,246,716.77
May 2036	326,963.10	3,466,230.88	280,136.44	2,202,343.54
June 2036	319,990.02	3,397,627.51	274,572.79	2,158,745.92
July 2036	313,150.41	3,330,224.52	269,106.48	2,115,911.15
August 2036	306,441.88	3,264,002.16	263,735.92	2,073,826.67
September 2036	299,862.04	3,198,940.98	258,459.53	2,032,480.12
October 2036	293,408.56	3,135,021.84	253,275.76	1,991,859.35
November 2036	287,079.14	3,072,225.91	248,183.08	1,951,952.38
December 2036	280,871.53	3,010,534.66	243,179.99	1,912,747.43
January 2037	274,783.52	2,949,929.86	238,265.00	1,874,232.92
February 2037	268,812.94	2,890,393.54	233,436.68	1,836,397.44
March 2037	262,957.64	2,831,908.06	228,693.57	1,799,229.76
April 2037	257,215.54	2,774,456.02	224,034.27	1,762,718.85
May 2037	251,584.56	2,718,020.34	219,457.40	1,726,853.83
June 2037	246,062.68	2,662,584.18	214,961.59	1,691,624.00
July 2037	240,647.91	2,608,130.97	210,545.49	1,657,018.85
August 2037	235,338.30	2,554,644.42	206,207.80	1,623,028.01
September 2037	230,131.92	2,502,108.50	201,947.19	1,589,641.30
October 2037	225,026.89	2,450,507.41	197,762.40	1,556,848.68
November 2037	220,021.36	2,399,825.65	193,652.17	1,524,640.29
December 2037	215,113.51	2,350,047.91	189,615.25	1,493,006.41
January 2038	210,301.54	2,301,159.17	185,650.42	1,461,937.49
February 2038	205,583.70	2,253,144.64	181,756.50	1,431,424.13
March 2038	200,958.26	2,205,989.75	177,932.29	1,401,457.08
April 2038	196,423.53	2,159,680.17	174,176.63	1,372,027.23
May 2038	191,977.85	2,114,201.82	170,488.39	1,343,125.62
June 2038	187,619.57	2,069,540.82	166,866.43	1,314,743.43

<u>Distribution Date</u>	<u>Classes JM and JN (in the aggregate)</u>	<u>Classes NA and NZ (in the aggregate)</u>	<u>Classes NP and ZN (in the aggregate)</u>	<u>Classes PA and PZ (in the aggregate)</u>
July 2038	\$ 183,347.09	\$ 2,025,683.52	\$ 163,309.66	\$ 1,286,872.01
August 2038	179,158.83	1,982,616.49	159,816.97	1,259,502.80
September 2038	175,053.24	1,940,326.53	156,387.30	1,232,627.42
October 2038	171,028.80	1,898,800.62	153,019.59	1,206,237.60
November 2038	167,084.01	1,858,025.98	149,712.82	1,180,325.21
December 2038	163,217.40	1,817,990.02	146,465.94	1,154,882.26
January 2039	159,427.53	1,778,680.34	143,277.97	1,129,900.86
February 2039	155,712.97	1,740,084.78	140,147.92	1,105,373.28
March 2039	152,072.34	1,702,191.33	137,074.80	1,081,291.89
April 2039	148,504.27	1,664,988.19	134,057.67	1,057,649.21
May 2039	145,007.41	1,628,463.77	131,095.58	1,034,437.84
June 2039	141,580.45	1,592,606.64	128,187.60	1,011,650.54
July 2039	138,222.08	1,557,405.56	125,332.83	989,280.17
August 2039	134,931.04	1,522,849.47	122,530.37	967,319.69
September 2039	131,706.07	1,488,927.51	119,779.34	945,762.19
October 2039	128,545.95	1,455,628.96	117,078.87	924,600.88
November 2039	125,449.46	1,422,943.30	114,428.09	903,829.06
December 2039	122,415.42	1,390,860.17	111,826.19	883,440.15
January 2040	119,442.68	1,359,369.38	109,272.32	863,427.67
February 2040	116,530.08	1,328,460.89	106,765.68	843,785.25
March 2040	113,676.50	1,298,124.85	104,305.46	824,506.61
April 2040	110,880.84	1,268,351.54	101,890.88	805,585.60
May 2040	108,142.02	1,239,131.42	99,521.16	787,016.14
June 2040	105,458.97	1,210,455.10	97,195.54	768,792.26
July 2040	102,830.65	1,182,313.33	94,913.27	750,908.09
August 2040	100,256.03	1,154,697.01	92,673.62	733,357.86
September 2040	97,734.10	1,127,597.21	90,475.86	716,135.86
October 2040	95,263.88	1,101,005.12	88,319.27	699,236.52
November 2040	92,844.40	1,074,912.09	86,203.15	682,654.33
December 2040	90,474.69	1,049,309.59	84,126.82	666,383.88
January 2041	88,153.82	1,024,189.26	82,089.59	650,419.84
February 2041	85,880.88	999,542.84	80,090.79	634,756.98
March 2041	83,654.95	975,362.23	78,129.77	619,390.14
April 2041	81,475.15	951,639.45	76,205.88	604,314.25
May 2041	79,340.60	928,366.65	74,318.48	589,524.33
June 2041	77,250.46	905,536.12	72,466.95	575,015.47
July 2041	75,203.88	883,140.27	70,650.67	560,782.85
August 2041	73,200.03	861,171.61	68,869.04	546,821.71
September 2041	71,238.11	839,622.81	67,121.45	533,127.39
October 2041	69,317.31	818,486.63	65,407.33	519,695.30
November 2041	67,436.86	797,755.97	63,726.10	506,520.91
December 2041	65,595.99	777,423.82	62,077.18	493,599.78
January 2042	63,793.95	757,483.32	60,460.03	480,927.54
February 2042	62,029.99	737,927.69	58,874.09	468,499.88
March 2042	60,303.38	718,750.27	57,318.82	456,312.59
April 2042	58,613.42	699,944.52	55,793.70	444,361.49
May 2042	56,959.41	681,504.00	54,298.19	432,642.49
June 2042	55,340.65	663,422.37	52,831.79	421,151.56

<u>Distribution Date</u>	<u>Classes JM and JN (in the aggregate)</u>	<u>Classes NA and NZ (in the aggregate)</u>	<u>Classes NP and ZN (in the aggregate)</u>	<u>Classes PA and PZ (in the aggregate)</u>
July 2042	\$ 53,756.47	\$ 645,693.40	\$ 51,393.99	\$ 409,884.76
August 2042	52,206.20	628,310.95	49,984.30	398,838.17
September 2042	50,689.20	611,269.01	48,602.21	388,007.97
October 2042	49,204.83	594,561.64	47,247.26	377,390.39
November 2042	47,752.46	578,183.01	45,918.98	366,981.73
December 2042	46,331.46	562,127.37	44,616.88	356,778.33
January 2043	44,941.25	546,389.10	43,340.52	346,776.62
February 2043	43,581.21	530,962.63	42,089.46	336,973.06
March 2043	42,250.78	515,842.51	40,863.23	327,364.19
April 2043	40,949.37	501,023.38	39,661.42	317,946.59
May 2043	39,676.42	486,499.95	38,483.58	308,716.91
June 2043	38,431.38	472,267.02	37,329.31	299,671.85
July 2043	37,213.72	458,319.50	36,198.18	290,808.16
August 2043	36,022.89	444,652.35	35,089.79	282,122.66
September 2043	34,858.37	431,260.64	34,003.74	273,612.19
October 2043	33,719.66	418,139.52	32,939.63	265,273.68
November 2043	32,606.25	405,284.19	31,897.07	257,104.09
December 2043	31,517.64	392,689.96	30,875.70	249,100.43
January 2044	30,453.35	380,352.22	29,875.12	241,259.76
February 2044	29,412.90	368,266.41	28,894.97	233,579.20
March 2044	28,395.83	356,428.07	27,934.90	226,055.90
April 2044	27,401.68	344,832.80	26,994.53	218,687.08
May 2044	26,429.99	333,476.27	26,073.53	211,469.98
June 2044	25,480.32	322,354.25	25,171.55	204,401.90
July 2044	24,552.24	311,462.54	24,288.24	197,480.19
August 2044	23,645.33	300,797.04	23,423.28	190,702.24
September 2044	22,759.16	290,353.71	22,576.34	184,065.48
October 2044	21,893.33	280,128.57	21,747.09	177,567.37
November 2044	21,047.43	270,117.70	20,935.22	171,205.44
December 2044	20,221.06	260,317.28	20,140.42	164,977.25
January 2045	19,413.84	250,723.52	19,362.37	158,880.39
February 2045	18,625.39	241,332.69	18,600.79	152,912.50
March 2045	17,855.33	232,141.16	17,855.37	147,071.25
April 2045	17,103.30	223,145.32	17,125.81	141,354.38
May 2045	16,368.93	214,341.65	16,411.85	135,759.62
June 2045	15,651.88	205,726.66	15,713.18	130,284.77
July 2045	14,951.79	197,296.95	15,029.54	124,927.67
August 2045	14,268.32	189,049.15	14,360.65	119,686.17
September 2045	13,601.14	180,979.96	13,706.25	114,558.18
October 2045	12,949.93	173,086.14	13,066.07	109,541.63
November 2045	12,314.36	165,364.49	12,439.85	104,634.51
December 2045	11,694.11	157,811.87	11,827.34	99,834.80
January 2046	11,088.87	150,425.21	11,228.29	95,140.56
February 2046	10,498.34	143,201.46	10,642.46	90,549.84
March 2046	9,922.23	136,137.64	10,069.59	86,060.77
April 2046	9,360.23	129,230.82	9,509.45	81,671.47
May 2046	8,812.07	122,478.12	8,961.82	77,380.11
June 2046	8,277.45	115,876.70	8,426.45	73,184.89

<u>Distribution Date</u>	<u>Classes JM and JN (in the aggregate)</u>	<u>Classes NA and NZ (in the aggregate)</u>	<u>Classes NP and ZN (in the aggregate)</u>	<u>Classes PA and PZ (in the aggregate)</u>
July 2046	\$ 7,756.11	\$ 109,423.78	\$ 7,903.12	\$ 69,084.05
August 2046	7,247.76	103,116.62	7,391.62	65,075.83
September 2046	6,752.16	96,952.52	6,891.72	61,158.53
October 2046	6,269.02	90,928.84	6,403.20	57,330.46
November 2046	5,798.10	85,042.97	5,925.87	53,589.98
December 2046	5,339.14	79,292.36	5,459.50	49,935.45
January 2047	4,891.90	73,674.49	5,003.90	46,365.28
February 2047	4,456.13	68,186.89	4,558.86	42,877.89
March 2047	4,031.60	62,827.13	4,124.19	39,471.75
April 2047	3,618.08	57,592.82	3,699.69	36,145.34
May 2047	3,215.33	52,481.61	3,285.18	32,897.15
June 2047	2,823.13	47,491.20	2,880.46	29,725.73
July 2047	2,441.26	42,619.31	2,485.36	26,629.63
August 2047	2,069.50	37,863.71	2,099.68	23,607.44
September 2047	1,707.65	33,222.22	1,723.26	20,657.76
October 2047	1,355.49	28,692.68	1,355.92	17,779.23
November 2047	1,012.82	24,272.98	997.49	14,970.49
December 2047	679.44	19,961.02	647.79	12,230.23
January 2048	355.15	15,754.77	306.67	9,557.15
February 2048	39.77	11,652.21	0.00	6,949.96
March 2048	0.00	7,651.37	0.00	4,407.42
April 2048	0.00	3,750.31	0.00	1,928.28
May 2048 and thereafter	0.00	0.00	0.00	0.00

<u>Distribution Date</u>	<u>Classes QK and QZ (in the aggregate)</u>	<u>Classes WF, WS and WZ (in the aggregate)</u>	<u>Classes YF, YS and YZ (in the aggregate)</u>
Initial Balance	\$728,000.00	\$5,704,000.00	\$8,976,000.00
August 2018	726,399.29	5,691,456.58	8,956,262.21
September 2018	723,996.35	5,672,626.85	8,926,632.53
October 2018	720,792.06	5,647,517.57	8,887,121.64
November 2018	716,789.11	5,616,149.87	8,837,762.73
December 2018	711,992.02	5,578,559.20	8,778,611.65
January 2019	706,407.17	5,534,795.49	8,709,746.93
February 2019	700,042.77	5,484,923.10	8,631,269.82
March 2019	692,908.86	5,429,020.75	8,543,304.27
April 2019	685,017.32	5,367,181.55	8,445,996.70
May 2019	676,381.85	5,299,512.74	8,339,515.92
June 2019	667,017.92	5,226,135.61	8,224,052.77
July 2019	656,942.77	5,147,185.32	8,099,819.92
August 2019	646,175.38	5,062,810.54	7,967,051.34
September 2019	634,736.44	4,973,173.30	7,826,001.96
October 2019	622,648.26	4,878,448.56	7,676,947.09
November 2019	609,934.77	4,778,823.87	7,520,181.89
December 2019	596,621.48	4,674,498.97	7,356,020.64
January 2020	582,735.36	4,565,685.38	7,184,796.15
February 2020	568,304.85	4,452,605.79	7,006,858.89
March 2020	553,359.73	4,335,493.69	6,822,576.24
April 2020	537,931.10	4,214,592.73	6,632,331.58
May 2020	522,051.28	4,090,156.12	6,436,523.39
June 2020	505,753.71	3,962,446.06	6,235,564.24
July 2020	489,072.92	3,831,733.05	6,029,879.76
August 2020	472,044.43	3,698,295.23	5,819,907.63
September 2020	454,704.57	3,562,417.65	5,606,096.42
October 2020	437,090.55	3,424,391.58	5,388,904.41
November 2020	419,240.20	3,284,513.71	5,168,798.51
December 2020	401,192.00	3,143,085.44	4,946,252.94
January 2021	383,681.93	3,005,874.05	4,730,342.88
February 2021	366,699.31	2,872,795.74	4,520,936.49
March 2021	350,233.61	2,743,768.16	4,317,904.14
April 2021	334,274.51	2,618,710.36	4,121,118.45
May 2021	318,811.86	2,497,542.75	3,930,454.22
June 2021	303,835.66	2,380,187.12	3,745,788.35
July 2021	289,336.11	2,266,566.60	3,566,999.88
August 2021	275,303.57	2,156,605.60	3,393,969.90
September 2021	261,728.57	2,050,229.89	3,226,581.58
October 2021	248,601.78	1,947,366.46	3,064,720.04
November 2021	235,914.05	1,847,943.60	2,908,272.42
December 2021	223,656.39	1,751,890.81	2,757,127.79
January 2022	211,819.95	1,659,138.80	2,611,177.16
February 2022	200,396.06	1,569,619.51	2,470,313.36
March 2022	189,376.16	1,483,266.01	2,334,431.15
April 2022	178,751.88	1,400,012.59	2,203,427.07
May 2022	168,514.96	1,319,794.62	2,077,199.48

<u>Distribution Date</u>	<u>Classes QK and QZ (in the aggregate)</u>	<u>Classes WF, WS and WZ (in the aggregate)</u>	<u>Classes YF, YS and YZ (in the aggregate)</u>
June 2022	\$158,657.31	\$1,242,548.65	\$1,955,648.47
July 2022	149,170.96	1,168,212.30	1,838,675.92
August 2022	140,048.11	1,096,724.27	1,726,185.38
September 2022	131,281.05	1,028,024.37	1,618,082.12
October 2022	122,862.25	962,053.43	1,514,273.03
November 2022	114,784.29	898,753.33	1,414,666.66
December 2022	107,039.86	838,066.97	1,319,173.16
January 2023	99,621.84	779,938.24	1,227,704.25
February 2023	92,523.17	724,312.04	1,140,173.22
March 2023	85,736.95	671,134.23	1,056,494.85
April 2023	79,256.39	620,351.62	976,585.49
May 2023	73,074.82	571,911.99	900,362.92
June 2023	67,185.70	525,763.99	827,746.39
July 2023	61,582.60	481,857.25	758,656.59
August 2023	56,259.19	440,142.25	693,015.62
September 2023	51,209.27	400,570.36	630,746.97
October 2023	46,426.75	363,093.83	571,775.48
November 2023	41,905.63	327,665.75	516,027.34
December 2023	37,640.05	294,240.05	463,430.09
January 2024	33,624.24	262,771.52	413,912.52
February 2024	29,852.51	233,215.71	367,404.76
March 2024	26,319.30	205,529.01	323,838.13
April 2024	23,019.15	179,668.58	283,145.25
May 2024	19,946.70	155,592.35	245,259.92
June 2024	17,096.66	133,259.04	210,117.15
July 2024	14,463.86	112,628.07	177,653.14
August 2024	12,043.24	93,659.66	147,805.25
September 2024	9,829.78	76,314.70	120,511.95
October 2024	7,818.60	60,554.82	95,712.87
November 2024	6,004.90	46,342.35	73,348.71
December 2024	4,383.93	33,640.30	53,361.31
January 2025	3,018.50	22,940.55	36,524.64
February 2025	1,919.92	14,331.88	22,978.40
March 2025	1,081.18	7,759.45	12,636.31
April 2025	495.45	3,169.51	5,413.77
May 2025	155.97	509.38	1,227.89
June 2025	56.18	0.00	0.00
July 2025	56.18	0.00	0.00
August 2025	56.18	0.00	0.00
September 2025	56.18	0.00	0.00
October 2025	56.18	0.00	0.00
November 2025	56.18	0.00	0.00
December 2025	56.18	0.00	0.00
January 2026	56.18	0.00	0.00
February 2026	56.18	0.00	0.00
March 2026	56.18	0.00	0.00
April 2026	56.18	0.00	0.00

<u>Distribution Date</u>	<u>Classes QK and QZ (in the aggregate)</u>	<u>Classes WF, WS and WZ (in the aggregate)</u>	<u>Classes YF, YS and YZ (in the aggregate)</u>
May 2026	\$ 56.18	\$ 0.00	\$ 0.00
June 2026	56.18	0.00	0.00
July 2026	56.18	0.00	0.00
August 2026	56.18	0.00	0.00
September 2026	56.18	0.00	0.00
October 2026	56.18	0.00	0.00
November 2026	56.18	0.00	0.00
December 2026	56.18	0.00	0.00
January 2027	56.18	0.00	0.00
February 2027	56.18	0.00	0.00
March 2027	56.18	0.00	0.00
April 2027	56.18	0.00	0.00
May 2027	56.18	0.00	0.00
June 2027	56.18	0.00	0.00
July 2027	56.18	0.00	0.00
August 2027	56.18	0.00	0.00
September 2027	56.18	0.00	0.00
October 2027	56.18	0.00	0.00
November 2027	56.18	0.00	0.00
December 2027	56.18	0.00	0.00
January 2028	56.18	0.00	0.00
February 2028	56.18	0.00	0.00
March 2028	56.18	0.00	0.00
April 2028	56.18	0.00	0.00
May 2028	56.18	0.00	0.00
June 2028	56.18	0.00	0.00
July 2028	56.18	0.00	0.00
August 2028	56.18	0.00	0.00
September 2028	56.18	0.00	0.00
October 2028	56.18	0.00	0.00
November 2028	56.18	0.00	0.00
December 2028	56.18	0.00	0.00
January 2029	56.18	0.00	0.00
February 2029	56.18	0.00	0.00
March 2029	56.18	0.00	0.00
April 2029	56.18	0.00	0.00
May 2029	56.18	0.00	0.00
June 2029	56.18	0.00	0.00
July 2029	56.18	0.00	0.00
August 2029	56.18	0.00	0.00
September 2029	56.18	0.00	0.00
October 2029	56.18	0.00	0.00
November 2029	56.18	0.00	0.00
December 2029	56.18	0.00	0.00
January 2030	56.18	0.00	0.00
February 2030	56.18	0.00	0.00
March 2030	56.18	0.00	0.00

<u>Distribution Date</u>	<u>Classes QK and QZ (in the aggregate)</u>	<u>Classes WF, WS and WZ (in the aggregate)</u>	<u>Classes YF, YS and YZ (in the aggregate)</u>
April 2030	\$ 56.18	\$ 0.00	\$ 0.00
May 2030	56.18	0.00	0.00
June 2030	56.18	0.00	0.00
July 2030	56.18	0.00	0.00
August 2030	56.18	0.00	0.00
September 2030	56.18	0.00	0.00
October 2030	56.18	0.00	0.00
November 2030	56.18	0.00	0.00
December 2030	56.18	0.00	0.00
January 2031	56.18	0.00	0.00
February 2031	56.18	0.00	0.00
March 2031	56.18	0.00	0.00
April 2031	56.18	0.00	0.00
May 2031	56.18	0.00	0.00
June 2031	56.18	0.00	0.00
July 2031	56.18	0.00	0.00
August 2031	56.18	0.00	0.00
September 2031	56.18	0.00	0.00
October 2031	56.18	0.00	0.00
November 2031	56.18	0.00	0.00
December 2031	56.18	0.00	0.00
January 2032	56.18	0.00	0.00
February 2032	56.18	0.00	0.00
March 2032	56.18	0.00	0.00
April 2032	56.18	0.00	0.00
May 2032	56.18	0.00	0.00
June 2032	56.18	0.00	0.00
July 2032	56.18	0.00	0.00
August 2032	56.18	0.00	0.00
September 2032	56.18	0.00	0.00
October 2032	56.18	0.00	0.00
November 2032	56.18	0.00	0.00
December 2032	56.18	0.00	0.00
January 2033	56.18	0.00	0.00
February 2033	56.18	0.00	0.00
March 2033	56.18	0.00	0.00
April 2033	56.18	0.00	0.00
May 2033	56.18	0.00	0.00
June 2033	56.18	0.00	0.00
July 2033	56.18	0.00	0.00
August 2033	56.18	0.00	0.00
September 2033	56.18	0.00	0.00
October 2033	56.18	0.00	0.00
November 2033	56.18	0.00	0.00
December 2033	56.18	0.00	0.00
January 2034	56.18	0.00	0.00
February 2034	56.18	0.00	0.00

<u>Distribution Date</u>	<u>Classes QK and QZ (in the aggregate)</u>	<u>Classes WF, WS and WZ (in the aggregate)</u>	<u>Classes YF, YS and YZ (in the aggregate)</u>
March 2034	\$ 56.18	\$ 0.00	\$ 0.00
April 2034	56.18	0.00	0.00
May 2034	56.18	0.00	0.00
June 2034	56.18	0.00	0.00
July 2034	56.18	0.00	0.00
August 2034	56.18	0.00	0.00
September 2034	56.18	0.00	0.00
October 2034	56.18	0.00	0.00
November 2034	56.18	0.00	0.00
December 2034	56.18	0.00	0.00
January 2035	56.18	0.00	0.00
February 2035	56.18	0.00	0.00
March 2035	56.18	0.00	0.00
April 2035	56.18	0.00	0.00
May 2035	56.18	0.00	0.00
June 2035	56.18	0.00	0.00
July 2035	56.18	0.00	0.00
August 2035	56.18	0.00	0.00
September 2035	56.18	0.00	0.00
October 2035	56.18	0.00	0.00
November 2035	56.18	0.00	0.00
December 2035	56.18	0.00	0.00
January 2036	56.18	0.00	0.00
February 2036	56.18	0.00	0.00
March 2036	56.18	0.00	0.00
April 2036	56.18	0.00	0.00
May 2036	56.18	0.00	0.00
June 2036	56.18	0.00	0.00
July 2036	56.18	0.00	0.00
August 2036	56.18	0.00	0.00
September 2036	56.18	0.00	0.00
October 2036	56.18	0.00	0.00
November 2036	56.18	0.00	0.00
December 2036	56.18	0.00	0.00
January 2037	56.18	0.00	0.00
February 2037	56.18	0.00	0.00
March 2037	56.18	0.00	0.00
April 2037	56.18	0.00	0.00
May 2037	56.18	0.00	0.00
June 2037	56.18	0.00	0.00
July 2037	56.18	0.00	0.00
August 2037	56.18	0.00	0.00
September 2037	56.18	0.00	0.00
October 2037	56.18	0.00	0.00
November 2037	56.18	0.00	0.00
December 2037	56.18	0.00	0.00
January 2038	56.18	0.00	0.00

<u>Distribution Date</u>	<u>Classes QK and QZ (in the aggregate)</u>	<u>Classes WF, WS and WZ (in the aggregate)</u>	<u>Classes YF, YS and YZ (in the aggregate)</u>
February 2038	\$ 56.18	\$ 0.00	\$ 0.00
March 2038	56.18	0.00	0.00
April 2038	56.18	0.00	0.00
May 2038	56.18	0.00	0.00
June 2038	56.18	0.00	0.00
July 2038	56.18	0.00	0.00
August 2038	56.18	0.00	0.00
September 2038	56.18	0.00	0.00
October 2038	56.18	0.00	0.00
November 2038	56.18	0.00	0.00
December 2038	56.18	0.00	0.00
January 2039	56.18	0.00	0.00
February 2039	56.18	0.00	0.00
March 2039	56.18	0.00	0.00
April 2039	56.18	0.00	0.00
May 2039	56.18	0.00	0.00
June 2039	56.18	0.00	0.00
July 2039	56.18	0.00	0.00
August 2039	56.18	0.00	0.00
September 2039	56.18	0.00	0.00
October 2039	56.18	0.00	0.00
November 2039	56.18	0.00	0.00
December 2039	56.18	0.00	0.00
January 2040	56.18	0.00	0.00
February 2040	56.18	0.00	0.00
March 2040	56.18	0.00	0.00
April 2040	56.18	0.00	0.00
May 2040	56.18	0.00	0.00
June 2040	56.18	0.00	0.00
July 2040	56.18	0.00	0.00
August 2040	56.18	0.00	0.00
September 2040	56.18	0.00	0.00
October 2040	56.18	0.00	0.00
November 2040	56.18	0.00	0.00
December 2040	56.18	0.00	0.00
January 2041	56.18	0.00	0.00
February 2041	56.18	0.00	0.00
March 2041	56.18	0.00	0.00
April 2041	56.18	0.00	0.00
May 2041	56.18	0.00	0.00
June 2041	56.18	0.00	0.00
July 2041	56.18	0.00	0.00
August 2041	56.18	0.00	0.00
September 2041	56.18	0.00	0.00
October 2041	56.18	0.00	0.00
November 2041	56.18	0.00	0.00
December 2041	56.18	0.00	0.00

Distribution Date	Classes QK and QZ (in the aggregate)	Classes WF, WS and WZ (in the aggregate)	Classes YF, YS and YZ (in the aggregate)
January 2042	\$ 56.18	\$ 0.00	\$ 0.00
February 2042	56.18	0.00	0.00
March 2042	56.18	0.00	0.00
April 2042	56.18	0.00	0.00
May 2042	56.18	0.00	0.00
June 2042	56.18	0.00	0.00
July 2042	56.18	0.00	0.00
August 2042	56.18	0.00	0.00
September 2042	56.18	0.00	0.00
October 2042	56.18	0.00	0.00
November 2042	56.18	0.00	0.00
December 2042	56.18	0.00	0.00
January 2043	56.18	0.00	0.00
February 2043	56.18	0.00	0.00
March 2043	56.18	0.00	0.00
April 2043	56.18	0.00	0.00
May 2043	56.18	0.00	0.00
June 2043	56.18	0.00	0.00
July 2043	56.18	0.00	0.00
August 2043	56.18	0.00	0.00
September 2043	56.18	0.00	0.00
October 2043	56.18	0.00	0.00
November 2043	56.18	0.00	0.00
December 2043	56.18	0.00	0.00
January 2044	56.18	0.00	0.00
February 2044	56.18	0.00	0.00
March 2044	56.18	0.00	0.00
April 2044	56.18	0.00	0.00
May 2044	56.18	0.00	0.00
June 2044	56.18	0.00	0.00
July 2044	56.18	0.00	0.00
August 2044	56.18	0.00	0.00
September 2044	56.18	0.00	0.00
October 2044	56.18	0.00	0.00
November 2044	56.18	0.00	0.00
December 2044	56.18	0.00	0.00
January 2045	56.18	0.00	0.00
February 2045	56.18	0.00	0.00
March 2045	56.18	0.00	0.00
April 2045	56.18	0.00	0.00
May 2045	56.18	0.00	0.00
June 2045	56.18	0.00	0.00
July 2045	56.18	0.00	0.00
August 2045	56.18	0.00	0.00
September 2045	56.18	0.00	0.00
October 2045	56.18	0.00	0.00
November 2045	56.18	0.00	0.00

<u>Distribution Date</u>	<u>Classes QK and QZ (in the aggregate)</u>	<u>Classes WF, WS and WZ (in the aggregate)</u>	<u>Classes YF, YS and YZ (in the aggregate)</u>
December 2045	\$ 56.18	\$ 0.00	\$ 0.00
January 2046	56.18	0.00	0.00
February 2046	56.18	0.00	0.00
March 2046	56.18	0.00	0.00
April 2046	56.18	0.00	0.00
May 2046	56.18	0.00	0.00
June 2046	56.18	0.00	0.00
July 2046	56.18	0.00	0.00
August 2046	56.18	0.00	0.00
September 2046	56.18	0.00	0.00
October 2046	56.18	0.00	0.00
November 2046	56.18	0.00	0.00
December 2046	56.18	0.00	0.00
January 2047	56.18	0.00	0.00
February 2047	56.18	0.00	0.00
March 2047	56.18	0.00	0.00
April 2047	56.18	0.00	0.00
May 2047	56.18	0.00	0.00
June 2047	56.18	0.00	0.00
July 2047	56.18	0.00	0.00
August 2047	56.18	0.00	0.00
September 2047	56.18	0.00	0.00
October 2047	56.18	0.00	0.00
November 2047	56.18	0.00	0.00
December 2047	56.18	0.00	0.00
January 2048	56.18	0.00	0.00
February 2048	30.14	0.00	0.00
March 2048 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	Approximate Weighted Average Coupon of Mortgage Loans(3)	Approximate Weighted Remaining Term to Maturity of Mortgage Loans (in months)(3)	Approximate Weighted Average Loan Age of Mortgage Loans (in months)(3)	Ginnie Mae 1 or II
6A	Ginnie Mae	2009-087	EC(4)	October 30, 2009	38370KX15	4.0%	FIX	August 2039	PAC/AD	\$ 73,150,000	0.08927628	\$ 441,918	6.766917293226	5.888%	237	113	II
6A	Ginnie Mae	2009-087	KE(4)	October 30, 2009	38370KX21	4.0	FIX	September 2039	PAC/AD	42,120,000	0.07426191	222,784	7.1225071225	6.861	232	118	II
6A	Ginnie Mae	2013-009	KN	July 30, 2013	38378XQ36	4.0	FIX	July 2043	PT	2,628,658	0.23366889	614,282	100.000000000	6.418	207	145	II
6A	Ginnie Mae	2013-099	KN	July 30, 2013	38378XN36	4.0	FIX	July 2043	PT	1,987,183	0.3192146	635,742	100.000000000	6.408	188	166	II
6A	Ginnie Mae	2013-129	AB(5)	September 30, 2013	38378WR86	4.0	FIX	October 2039	SC/PT	8,393,541	0.25872662	2,171,632	100.000000000	6.496	232	118	II
6A	Ginnie Mae	2014-122	WA	August 29, 2014	38379EL186	4.0	FIX	August 2044	PT	3,134,918	0.26792863	839,954	100.000000000	6.474	205	144	II
6A	Ginnie Mae	2014-161	WA	November 28, 2014	38379C4F1	4.0	FIX	November 2044	PT	3,389,823	0.2594251	994,661	100.000000000	6.452	211	139	II
6A	Ginnie Mae	2014-183	WA	December 30, 2014	38379HXD2	4.0	FIX	December 2044	PT	4,052,798	0.32943240	1,369,360	100.000000000	6.502	210	142	II
6A	Ginnie Mae	2015-013	WA(6)	January 30, 2015	38379HJ26	4.0	FIX	January 2045	PT	4,127,238	0.32798982	1,270,735	100.000000000	6.466	212	139	II
6A	Ginnie Mae	2015-020	WA(6)	February 27, 2015	38379J116	4.0	FIX	February 2045	PT	5,161,943	0.29387301	1,206,059	100.000000000	6.467	214	140	II
6A	Ginnie Mae	2015-038	WA(7)	March 30, 2015	38379L125	4.0	FIX	March 2045	PT	5,761,943	0.32704256	1,884,401	100.000000000	(7)	(7)	(7)	II
6A	Ginnie Mae	2015-094	WA(8)	May 29, 2015	38379U1C0	4.0	FIX	May 2045	PT	3,333,499	0.4032477	1,334,482	100.000000000	(8)	(8)	(8)	II
6A	Ginnie Mae	2015-094	WA(8)	July 30, 2015	38379MG14	4.0	FIX	July 2045	PT	4,506,968	0.37747743	1,701,267	100.000000000	(9)	(9)	(9)	II
6B	Ginnie Mae	2010-042	GB	April 30, 2010	38377E6M0	5.0	FIX	October 2039	PAC/AD	75,474,580	0.38876669	17,125,373	73.501018639	5.291	252	100	II
7	Ginnie Mae	2012-162	PA	December 28, 2012	38377RNN1	3.0	FIX	May 2039	PAC/AD	200,000,000	0.08765831	4,382,915	25.000000000	4.878	254	98	II
7	Ginnie Mae	2012-146	PE	December 28, 2012	38379GJ28	3.0	FIX	December 2042	PAC/AD	151,857,000	0.27440827	1,372,011	3.292571306	5.306	255	97	II
7	Ginnie Mae	2013-088	AK	June 28, 2013	38378T155	3.0	FIX	June 2043	PT	1,657,794	0.20572978	341,058	100.000000000	6.449	220	130	II
7	Ginnie Mae	2013-088	MA	June 28, 2013	38378T178	3.0	FIX	June 2043	PT	4,554,110	0.19285352	878,195	100.000000000	5.955	219	133	II
7	Ginnie Mae	2013-090	CM	June 28, 2013	38378T3X1	3.0	FIX	June 2043	PT	2,738,685	0.20047674	348,566	100.000000000	6.447	217	133	II
7	Ginnie Mae	2013-093	IN	July 30, 2013	38378C1M1	3.0	FIX	July 2043	PT	2,131,873	0.24676180	526,065	100.000000000	6.427	206	146	II
7	Ginnie Mae	2017-004	CA(10)	January 30, 2017	38380CLM5	3.0	FIX	June 2046	PAC/AD	5,982,000	0.06713105	2,218,490	58.209572049	(10)	(10)	(10)	II
10	Ginnie Mae	2018-065	QS(11)	May 30, 2018	38380J354	(12)	INV/O	May 2048	NTU/PT	12,860,000	0.09521008	12,738,689	100.000000000	(11)	(11)	(11)	II
10	Ginnie Mae	2018-091	SB(13)	July 30, 2018	38380KTT4	(12)	INV/O	July 2048	NTU/PT	11,000,000	1.00000000	11,000,000	100.000000000	4.99(13)	357(13)	2(13)	II
11	Ginnie Mae	2017-176	DF	November 30, 2017	38380K6N9	(12)	FIX/DLY	November 2047	SUP	6,835,913	0.09513626	5,439,327	79.58770685	4.390	350	9	II
11	Ginnie Mae	2017-176	DS(4)	November 30, 2017	38380K6F6	(12)	INV/DLY	November 2047	SUP	4,557,276	0.09513626	3,626,219	79.587706183	4.390	350	9	II

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

(2) Underlying Certificate Factors are as of July 2018.

(3) Based on information as of July 2018.

(4) MX Class.

(5) Ginnie Mae 2013-129 Class AB is backed by a previously issued MX certificate, Class PT from Ginnie Mae 2009-087.

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

(7) Ginnie Mae 2015-038 Class WA is a REMIC Class that is related to separate Trust Asset Subgroups, which are backed by certain mortgage loans whose approximate weighted average characteristics are as follows:

Series	Trust Asset Subgroup	Approximate Weighted Average Coupon of Mortgage Loans(3)	Approximate Weighted Remaining Term to Maturity of Mortgage Loans (in months)(3)	Approximate Weighted Average Loan Age of Mortgage Loans (in months)(3)
2015-038	4A	5.982%	208	140
2015-038	4B	6.485	213	138

- (8) Ginnie Mae 2015-069 Class WA is a REMIC Class that is related to separate Trust Asset Subgroups, which are backed by certain mortgage loans whose approximate weighted average characteristics are as follows:

Series	Trust Asset Subgroup	Approximate Weighted Average		Approximate Weighted Average	
		Coupon of Mortgage Loans(3)	Maturity of Mortgage Loans (in months)(3)	Loan Age of Mortgage Loans (in months)(3)	
2015-069	3A	5.978%	209		144
2015-069	3B	6.458	201		151

- (9) Ginnie Mae 2015-094 Class WA is a REMIC Class that is related to separate Trust Asset Subgroups, which are backed by certain mortgage loans whose approximate weighted average characteristics are as follows:

Series	Trust Asset Subgroup	Approximate Weighted Average		Approximate Weighted Average	
		Coupon of Mortgage Loans(3)	Maturity of Mortgage Loans (in months)(3)	Loan Age of Mortgage Loans (in months)(3)	
2015-094	2A	5.963%	195		158
2015-094	2B	6.491	219		125

- (10) Ginnie Mae 2017-004 Class CA is a REMIC Class that is related to separate Trust Asset Subgroups, which are backed by certain mortgage loans whose approximate weighted average characteristics are as follows:

Series	Trust Asset Subgroup	Approximate Weighted Average		Approximate Weighted Average	
		Coupon of Mortgage Loans(3)	Maturity of Mortgage Loans (in months)(3)	Loan Age of Mortgage Loans (in months)(3)	
2017-004	9A	5.412%	255		100
2017-004	9B	5.441	56		170

- (11) Ginnie Mae 2018-065 Class QS is a REMIC Class that is related to separate Trust Asset Subgroups, which are backed by certain mortgage loans whose approximate weighted average characteristics are as follows:

Series	Trust Asset Subgroup	Approximate Weighted	Approximate Weighted	Approximate Weighted
		Average Coupon of Mortgage Loans(3)	Average Remaining Term to Maturity of Mortgage Loans (in months)(3)	Average Loan Age of Mortgage Loans (in months)(3)
2018-065	1B	4.907%	355	3
2018-065	1D	4.874	355	3

- (12) The Interest Rate will be calculated as described under “Terms Sheet — Interest Rates” in the related Underlying Certificate Disclosure Document.
- (13) Based on the assumed characteristics set forth for the Subgroup 1B Trust Assets under “Term Sheet — Assumed Characteristics of the Mortgage Loans Underlying the Group 1, 2, 3, 4, 5, 8 and 9 Trust Assets” in this Supplement. The actual remaining terms to maturity, loan ages and Mortgage Rates of many of the Mortgage Loans underlying Ginnie Mae 2018-091 Class SB will differ from the weighted averages shown, perhaps significantly.



\$1,046,074,382

**Government National
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Ginnie Mae REMIC Trust 2018-091**

OFFERING CIRCULAR SUPPLEMENT
July 23, 2018

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