

\$1,456,608,123

Government National Mortgage Association

GINNIE MAE®

Guaranteed REMIC Pass-Through Securities and MX Securities Ginnie Mae REMIC Trust 2019-029

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-16 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 March 29, 2019.

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

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

Class of REMIC Securities	Original Principal Balance(2)	Interest Rate	Principal Type(3)	Interest Type(3)	CUSIP Number	Final Distribution Date(4)
Security Group 1						
BA(1)	\$ 62,032,762	4.00%	PAC/AD	FIX	38381TDG7	February 2048
BY(1)	3,460,337	4.00	PAC/AD	FIX	38381TDH5	October 2048
PY	2,268,944	4.00	PAC/AD	FIX	38381TDJ1	March 2049
PZ	7,000,000	4.00	SUP	FIX/Z	38381TDK8	March 2049
Security Group 2						
FB	100,000,000	(5)	PT	FLT	38381TDL6	March 2049
SB	100,000,000	(5)	NLT(PT)	INV/IO	38381TDM4	March 2049
Security Group 3						
FM	3,400,000	(5)	SEQ	FLT	38381TDN2	November 2030
FN	5,000,000	(5)	SEQ	FLT	38381TDP7	May 2031
FT	4,000,000	(5)	SEQ	FLT	38381TDQ5	March 2049
MA(1)	28,876,000	3.50	PAC I	FIX	38381TDR3	August 2047
MF	13,600,000	(5)	SEQ	FLT	38381TDS1	March 2049
MK(1)	6,656,000	3.50	PAC II/AD	FIX	38381TDT9	March 2049
MQ(1)	3,945,000	3.50	PAC I	FIX	38381TDU6	December 2048
MS(1)	13,600,000	(5)	NLT(SEQ)	INV/IO	38381TDV4	March 2049
MU(1)	3,484,000	3.50	SUP/AD	FIX	38381TDW2	March 2049
MW(1)	1,037,000	3.50	PAC I	FIX	38381TDX0	March 2049
MZ(1)	1,000	3.50	PAC II	FIX/Z	38381TDY8	March 2049
NA(1)	16,983,000	3.50	PAC I	FIX	38381TDZ5	November 2047
NF	20,000,000	(5)	SEQ	FLT	38381TEA9	March 2049
NK(1)	3,564,000	3.50	PAC II/AD	FIX	38381TEB7	March 2049
NQ(1)	2,052,000	3.50	PAC I	FIX	38381TEC5	January 2049
NS(1)	20,000,000	(5)	NLT(SEQ)	INV/IO	38381TED3	March 2049
NU(1)	1,991,000	3.50	SUP/AD	FIX	38381TEE1	March 2049
NW(1)	408,000	3.50	PAC I	FIX	38381TEF8	March 2049
NZ(1)	1,000	3.50	PAC II	FIX/Z	38381TEG6	March 2049
OF	1,000,000	(5)	SEQ	FLT	38381TEH4	November 2030
QS(1)	1,000,000	(5)	NLT(SEQ)	INV/IO	38381TEJ0	November 2030
SM(1)	3,400,000	(5)	NLT(SEQ)	INV/IO	38381TEK7	November 2030
SN(1)	5,000,000	(5)	NLT(SEQ)	INV/IO	38381TEK5	May 2031
ST(1)	4,000,000	(5)	NLT(SEQ)	INV/IO	38381TEM3	March 2049
ZM(1)	1,000	3.50	SUP	FIX/Z	38381TEN1	March 2049
ZN(1)	1,000	3.50	SUP	FIX/Z	38381TEP6	March 2049
Security Group 4						
LA(1)	21,126,000	3.50	SEQ	FIX	38381TEQ4	September 2045
LF(1)	13,690,352	(5)	PT	FLT/DLY	38381TER2	March 2049
LS(1)	13,690,352	(5)	NLT(PT)	INV/IO/DLY	38381TES0	March 2049
LV(1)	2,028,000	3.50	SEQ/AD	FIX	38381TET8	June 2030
LZ(1)	4,226,705	3.50	SEQ	FIX/Z	38381TEU5	March 2049
Security Group 5						
GA(1)	21,252,861	3.50	SC/PAC	FIX	38381TEV3	October 2048
GE(1)	966,131	3.50	SC/PAC	FIX	38381TEW1	October 2048
GT	37,887	3.50	SC/SUP	FIX	38381TEX9	October 2048
Security Group 6						
AK(1)	30,000,000	3.50	SEQ	FIX	38381TEY7	January 2047
AV(1)	1,248,974	3.50	AD/SEQ	FIX	38381TEZ4	June 2030
AZ(1)	2,600,120	3.50	SEQ	FIX/Z	38381TFA8	March 2049
HA(1)	50,576,906	3.50	PAC	FIX	38381TFB6	October 2048
HF	48,304,842	(5)	PT	FLT	38381TFC4	March 2049
HS	48,304,842	(5)	NLT(PT)	INV/IO	38381TFD2	March 2049
HY	2,162,237	3.50	PAC	FIX	38381TFE0	March 2049
UA(1)	4,296,596	3.00	SUP/AD	FIX	38381TFE7	March 2049
UB(1)	4,296,595	4.00	SUP/AD	FIX	38381TFG5	March 2049
UZ	1,000	3.50	SUP	FIX/Z	38381TFH3	March 2049
VA(1)	1,427,260	3.50	SEQ/AD	FIX	38381TFJ9	June 2039
Security Group 7						
IO(1)	25,385,545	(5)	NLT(SC/PT)	INV/IO/DLY	38381TFK6	August 2048
PO(1)	3,101,593	0.00	SC/PT	PO	38381TFL4	August 2048
Security Group 8						
F	11,274,670	(5)	SC/PT	FLT	38381TFM2	May 2039
TI	7,296,436	(5)	NLT(SC/PT)	INV/IO	38381TFN0	February 2039
Security Group 9						
JA(1)	63,547,000	4.50	SEQ	FIX	38381TFP5	May 2045
JV(1)	3,409,000	4.50	AD/SEQ	FIX	38381TFQ3	April 2030
JW(1)	7,832,000	4.50	SEQ	FIX	38381TFR1	December 2046
JZ(1)	5,310,449	4.50	SEQ	FIX/Z	38381TFS9	March 2049
VJ(1)	4,477,000	4.50	SEQ/AD	FIX	38381TF77	July 2039

(Cover continued on next page)

Citigroup

Tribal Capital Markets

The date of this Offering Circular Supplement is March 22, 2019.

Class of REMIC Securities	Original Principal Balance(2)	Interest Rate	Principal Type(3)	Interest Type(3)	CUSIP Number	Final Distribution Date(4)
Security Group 10						
KA(1)	\$ 53,618,000	4.00%	SEQ	FIX	38381TFU4	July 2044
KV(1)	3,520,000	4.00	AD/SEQ	FIX	38381TFV2	May 2030
KW(1)	6,938,000	4.00	SEQ	FIX	38381TFW0	March 2046
KZ(1)	6,290,010	4.00	SEQ	FIX/Z	38381TFX8	March 2049
VK(1)	4,318,000	4.00	SEQ/AD	FIX	38381TFY6	July 2039
Security Group 11						
SY	21,755,133	(5)	NTL(SC/PT)	INV/IO	38381TFZ3	November 2041
Security Group 12						
EA(1)	32,241,304	4.50	SEQ/AD	FIX	38381TGA7	April 2048
ZE	616,764	4.50	SEQ	FIX/Z	38381TGB5	March 2049
Security Group 13						
HL	249,408	4.50	PAC/AD	FIX	38381TGC3	March 2049
HP(1)	25,000,000	4.50	PAC/AD	FIX	38381TGD1	February 2049
ZH	6,959,113	4.50	SUP	FIX/Z	38381TGE9	March 2049
Security Group 14						
HD	3,049,000	3.50	PAC II	FIX	38381TGF6	March 2049
HE	4,550,000	3.50	SUP/AD	FIX	38381TGG4	March 2049
HZ	3,689	3.50	SUP	FIX/Z	38381TGH2	March 2049
JC(1)	18,447,904	3.50	PAC I	FIX	38381TGI8	March 2049
JF	52,423,410	(5)	PT	FLT	38381TGM5	March 2049
JL	161,113	3.50	PAC I	FIX	38381TGL3	March 2049
JS	52,423,410	(5)	NTL(PT)	INV/IO	38381TGM1	March 2049
Security Group 15						
CA(1)	65,738,748	3.50	PAC/AD	FIX	38381TGN9	July 2048
CF	51,666,666	(5)	PT	FLT	38381TGP4	March 2049
CS	31,666,666	(5)	NTL(PT)	INV/IO	38381TGG2	March 2049
CY(1)	4,240,448	3.50	PAC/AD	FIX	38381TGR0	March 2049
FE	23,326,398	(5)	PAC/AD	FLT	38381TGS8	March 2049
SE	23,326,398	(5)	NTL(PAC/AD)	INV/IO	38381TGT6	March 2049
SH	20,000,000	(5)	NTL(PT)	INV/IO	38381TGU3	March 2049
ZA(1)	4,290,870	4.25	SUP/AD	FIX/Z	38381TGV1	September 2046
ZC(1)	5,736,870	4.25	SUP	FIX/Z	38381TGW9	March 2049
Security Group 16						
DS(1)	52,666,666	(5)	NTL(PT)	INV/IO	38381TGX7	March 2049
ES(1)	29,233,333	(5)	NTL(PT)	INV/IO	38381TGY5	March 2049
FG(1)	13,888,888	(5)	PAC/AD	FLT	38381TGG2	March 2049
FJ	102,213,727	(5)	PT	FLT	38381THA6	March 2049
FK	59,541,666	(5)	PT	FLT	38381THB4	March 2049
FL(1)	21,960,250	(5)	SCH/AD	FLT	38381THC2	March 2049
GP	50,000,000	3.75	PAC/AD	FIX	38381THD0	March 2049
GS(1)	30,308,333	(5)	NTL(PT)	INV/IO	38381THE8	March 2049
KS(1)	49,547,061	(5)	NTL(PT)	INV/IO	38381THE5	March 2049
PG	125,000,000	4.00	PAC/AD	FIX	38381THG3	March 2049
PK	55,000,000	3.50	SCH/AD	FIX	38381THH1	March 2047
PL	10,880,750	3.50	SCH/AD	FIX	38381THJ7	March 2049
SG(1)	13,888,888	(5)	NTL(PAC/AD)	INV/IO	38381THK4	March 2049
SL(1)	21,960,250	(5)	NTL(SCH/AD)	INV/IO	38381THL2	March 2049
TF(1)	11,111,111	(5)	PAC/AD	FLT	38381THM0	March 2049
TS(1)	11,111,111	(5)	NTL(PAC/AD)	INV/IO	38381THN8	March 2049
ZB(1)	7,484,317	4.25	SUP	FIX/Z	38381THP3	March 2049
ZG	17,009,810	4.25	SUP	FIX/Z	38381THQ1	March 2049
ZK(1)	11,175,668	4.25	SUP	FIX/Z	38381THR9	March 2049
Residuals						
R2	0	0.00	NPR	NPR	38381THS7	March 2049
R12	0	0.00	NPR	NPR	38381THT5	March 2049
RR	0	0.00	NPR	NPR	38381THU2	March 2049

- (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 5, 7, 8 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.

TABLE OF CONTENTS

	<u>Page</u>		<u>Page</u>
Terms Sheet	S-3	ERISA Matters	S-64
Risk Factors	S-16	Legal Investment Considerations	S-65
The Trust Assets	S-19	Plan of Distribution	S-65
Ginnie Mae Guaranty	S-21	Increase in Size	S-65
Description of the Securities	S-21	Legal Matters	S-65
Yield, Maturity and Prepayment		Schedule I: Available Combinations	S-I-1
Considerations	S-26	Schedule II: Scheduled Principal	
Certain United States Federal Income Tax		Balances	S-II-1
Consequences	S-61	Exhibit A: Underlying Certificates	A-1

TERMS SHEET

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

Sponsor: Citigroup Global Markets Inc.

Co-Sponsor: Tribal Capital Markets, LLC

Trustee: U.S. Bank National Association

Tax Administrator: The Trustee

Closing Date: March 29, 2019

Distribution Dates: For the Group 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 14, 15 and 16 Securities, the 20th day of each month or, if the 20th day is not a Business Day, the first Business Day thereafter, commencing in April 2019. For the Group 11 Securities, the 16th day of each month or, if the 16th day is not a Business Day, the first Business Day thereafter, commencing in April 2019.

Trust Assets:

<u>Trust Asset Group or Subgroup⁽²⁾</u>	<u>Trust Asset Type</u>	<u>Certificate Rate</u>	<u>Original Term To Maturity (in years)</u>
1	Ginnie Mae II	4.0%	30
2	Ginnie Mae II	4.5%	30
3A	Ginnie Mae II	4.5%	30
3B	Ginnie Mae II	5.0%	30
4	Ginnie Mae II	4.5%	30
5	Underlying Certificate	(1)	(1)
6A	Ginnie Mae II	4.5%	30
6B	Ginnie Mae II	4.5%	30
7	Underlying Certificate	(1)	(1)
8A	Underlying Certificates	(1)	(1)
8B	Underlying Certificates	(1)	(1)
9	Ginnie Mae II	4.5%	30
10	Ginnie Mae II	4.0%	30
11	Underlying Certificates	(1)	(1)
12	Ginnie Mae II	4.5%	30
13	Ginnie Mae II	4.5%	30
14A	Ginnie Mae II	5.5%	30
14B	Ginnie Mae I	5.5%	30
15A	Ginnie Mae II	5.0%	30
15B	Ginnie Mae II	5.0%	30
16A	Ginnie Mae II	5.0%	30
16B	Ginnie Mae II	5.0%	30
16C	Ginnie Mae II	5.0%	30

<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>
16D	Ginnie Mae II	5.0%	30
16E	Ginnie Mae II	5.0%	30
16F	Ginnie Mae II	5.0%	30
16G	Ginnie Mae II	5.0%	30
16H	Ginnie Mae II	5.0%	30
16I	Ginnie Mae II	5.0%	30
16J	Ginnie Mae II	5.0%	30
16K	Ginnie Mae II	5.0%	30
16L	Ginnie Mae II	5.0%	30

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

⁽²⁾ The Group 3, 6, 8, 14, 15 and 16 Trust Assets consist of subgroups, Subgroups 3A, 3B, 6A, 6B, 8A, 8B, 14A, 14B, 15A, 15B, 16A, 16B, 16C, 16D, 16E, 16F, 16G, 16H, 16I, 16J, 16K and 16L (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. 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, 6, 9, 10, 12, 13, 14, 15 and 16 Trust Assets⁽¹⁾:

<u>Principal Balance</u>	<u>Weighted Average Remaining Term to Maturity (in months)</u>	<u>Weighted Average Loan Age (in months)</u>	<u>Weighted Average Mortgage Rate⁽²⁾</u>
Group 1 Trust Assets			
\$74,762,043	345	12	4.464%
Group 2 Trust Assets			
\$100,000,000	349	8	4.875%
Subgroup 3A Trust Assets			
\$66,000,000	357	3	5.000%
Subgroup 3B Trust Assets			
\$50,000,000	358	2	5.400%
Group 4 Trust Assets			
\$41,071,057	354	5	4.936%
Subgroup 6A Trust Assets			
\$92,000,000	356	2	4.952%
Subgroup 6B Trust Assets			
\$52,914,530	356	2	4.952%
Group 9 Trust Assets			
\$84,575,449	357	1	5.006%

<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 10 Trust Assets			
\$74,684,010	358	1	4.533%
Group 12 Trust Assets			
\$32,858,068	309	46	4.853%
Group 13 Trust Assets			
\$32,208,521 ⁽³⁾	359	1	5.026%
Subgroup 14A Trust Assets			
\$75,685,957	354	4	5.899%
Subgroup 14B Trust Assets			
\$2,949,159	354	4	5.899%
Subgroup 15A Trust Assets			
\$95,000,000	358	1	5.513%
Subgroup 15B Trust Assets			
\$60,000,000	358	1	5.513%
Subgroup 16A Trust Assets			
\$113,700,000	359	1	5.500%
Subgroup 16B Trust Assets			
\$42,000,000	359	1	5.500%
Subgroup 16C Trust Assets			
\$29,700,000	359	1	5.500%
Subgroup 16D Trust Assets			
\$48,448,047	359	1	5.500%
Subgroup 16E Trust Assets			
\$19,300,000	359	1	5.500%
Subgroup 16F Trust Assets			
\$15,700,000	359	1	5.500%
Subgroup 16G Trust Assets			
\$17,700,000	359	1	5.500%
Subgroup 16H Trust Assets			
\$50,193,140	359	1	5.500%
Subgroup 16I Trust Assets			
\$25,000,000	358	2	5.500%
Subgroup 16J Trust Assets			
\$30,000,000	358	2	5.500%
Subgroup 16K Trust Assets			
\$43,525,000	358	2	5.500%
Subgroup 16L Trust Assets			
\$50,000,000	358	2	5.500%

⁽¹⁾ As of March 1, 2019.

- ⁽²⁾ The Mortgage Loans underlying the Group 1, 2, 3, 4, 6, 9, 10, 12, 13, 15 and 16 and Subgroup 14A Trust Assets may bear interest at rates ranging from 0.25% to 1.50% per annum above the related Certificate Rate.
- ⁽³⁾ More than 10% of the Mortgage Loans underlying the Group 13 Trust Assets may be higher balance Mortgage Loans. See “Risk Factors” in this Supplement.

The actual remaining terms to maturity, loan ages and, in the case of the Group 1, 2, 3, 4, 6, 9, 10, 12, 13, 15 and 16 and Subgroup 14A Trust Assets, Mortgage Rates of many of the Mortgage Loans underlying the Group 1, 2, 3, 4, 6, 9, 10, 12, 13, 14, 15 and 16 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 5, 7, 8 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 a Principal Only, 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:

Class	Interest Rate Formula(1)	Initial Interest Rate(2)	Minimum Rate	Maximum Rate	Delay (in days)	LIBOR for Minimum Interest Rate
AS	6.05% – LIBOR	3.56137000%	0.00%	6.05000000%	0	6.05%
BS	6.05% – LIBOR	3.56137000%	0.00%	6.05000000%	0	6.05%
CF	LIBOR + 0.45%	2.93863000%	0.45%	6.50000000%	0	0.00%
CS	6.05% – LIBOR	3.56137000%	0.00%	6.05000000%	0	6.05%
DS	6.05% – LIBOR	3.56137000%	0.00%	6.05000000%	0	6.05%
ES	6.05% – LIBOR	3.56137000%	0.00%	6.05000000%	0	6.05%
F	LIBOR + 0.70%	3.18775000%	0.70%	7.00000000%	0	0.00%
FB	LIBOR + 0.71%	3.19188000%	0.71%	4.50000000%	0	0.00%
FE	LIBOR + 0.45%	2.93863000%	0.45%	6.50000000%	0	0.00%
FG	LIBOR + 0.40%	2.88863000%	0.40%	6.50000000%	0	0.00%
FJ	LIBOR + 0.45%	2.93863000%	0.45%	6.50000000%	0	0.00%
FK	LIBOR + 0.45%	2.93863000%	0.45%	6.50000000%	0	0.00%

Class	Interest Rate Formula(1)	Initial Interest Rate(2)	Minimum Rate	Maximum Rate	Delay (in days)	LIBOR for Minimum Interest Rate
FL	LIBOR + 0.40%	2.88863000%	0.40%	6.5000000%	0	0.00%
FM	LIBOR + 0.45%	2.94175000%	0.45%	6.5000000%	0	0.00%
FN	LIBOR + 0.45%	2.94175000%	0.45%	6.5000000%	0	0.00%
FP	LIBOR + 0.40%	2.88863000%	0.40%	6.5000000%	0	0.00%
FT	LIBOR + 0.45%	2.94175000%	0.45%	6.5000000%	0	0.00%
GS	6.05% – LIBOR	3.56137000%	0.00%	6.0500000%	0	6.05%
HF	LIBOR + 0.45%	2.93863000%	0.45%	6.5000000%	0	0.00%
HS	6.05% – LIBOR	3.56137000%	0.00%	6.0500000%	0	6.05%
IO	1.1301603% – (LIBOR × 0.25114673)	0.50499330%	0.00%	1.1301603%	19	4.50%
JF	LIBOR + 0.45%	2.93863000%	0.45%	6.5000000%	0	0.00%
JS	6.05% – LIBOR	3.56137000%	0.00%	6.0500000%	0	6.05%
KS	6.05% – LIBOR	3.56137000%	0.00%	6.0500000%	0	6.05%
LF	LIBOR + 0.45%	2.94275000%	0.45%	6.5000000%	19	0.00%
LS	6.05% – LIBOR	3.55725000%	0.00%	6.0500000%	19	6.05%
MF	LIBOR + 0.45%	2.94175000%	0.45%	6.5000000%	0	0.00%
MS	6.05% – LIBOR	3.55825000%	0.00%	6.0500000%	0	6.05%
NF	LIBOR + 0.45%	2.94175000%	0.45%	6.5000000%	0	0.00%
NS	6.05% – LIBOR	3.55825000%	0.00%	6.0500000%	0	6.05%
PS	9.25% – (LIBOR × 2.05555556)	4.13320832%	0.00%	9.2500000%	19	4.50%
QF	LIBOR + 0.45%	2.94175000%	0.45%	6.5000000%	0	0.00%
QS	6.05% – LIBOR	3.55825000%	0.00%	6.0500000%	0	6.05%
SB	3.79% – LIBOR	1.30812000%	0.00%	3.7900000%	0	3.79%
SC	6.05% – LIBOR	3.55825000%	0.00%	6.0500000%	0	6.05%
SD	6.05% – LIBOR	3.55825000%	0.00%	6.0500000%	0	6.05%
SE	6.05% – LIBOR	3.56137000%	0.00%	6.0500000%	0	6.05%
SG	6.10% – LIBOR	3.61137000%	0.00%	6.1000000%	0	6.10%
SH	6.05% – LIBOR	3.56137000%	0.00%	6.0500000%	0	6.05%
SL	6.10% – LIBOR	3.61137000%	0.00%	6.1000000%	0	6.10%
SM	6.05% – LIBOR	3.55825000%	0.00%	6.0500000%	0	6.05%
SN	6.05% – LIBOR	3.55825000%	0.00%	6.0500000%	0	6.05%
SP	6.10% – LIBOR	3.61137000%	0.00%	6.1000000%	0	6.10%
SQ	6.05% – LIBOR	3.55825000%	0.00%	6.0500000%	0	6.05%
ST	6.05% – LIBOR	3.55825000%	0.00%	6.0500000%	0	6.05%
SY	6.65% – LIBOR	4.16825000%	0.00%	6.6500000%	0	6.65%
TF	LIBOR + 0.40%	2.88863000%	0.40%	6.5000000%	0	0.00%
TI	6.30% – LIBOR	0.30000000%	0.00%	0.3000000%	0	6.30%
TS	6.10% – LIBOR	3.61137000%	0.00%	6.1000000%	0	6.10%

(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 PZ Accrual Amount will be allocated in the following order of priority:

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

SECURITY GROUP 2

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

SECURITY GROUP 3

The Subgroup 3A Principal Distribution Amount, the Subgroup 3B Principal Distribution Amount, the MZ Accrual Amount, the NZ Accrual Amount, the ZM Accrual Amount and the ZN Accrual Amount will be allocated as follows:

- The MZ Accrual Amount, sequentially, to MK and MZ, in that order, until retired
- The NZ Accrual Amount, sequentially, to NK and NZ, in that order, until retired
- The ZM Accrual Amount, sequentially, to MU and ZM, in that order, until retired
- The ZN Accrual Amount, sequentially, to NU and ZN, in that order, until retired
- The Subgroup 3A Principal Distribution Amount, concurrently, as follows:
 1. 33.3333333333% in the following order of priority:
 - a. Concurrently, to FM and QF, pro rata, until retired
 - b. Concurrently, to FT and MF, pro rata until retired
 2. 66.6666666667% in the following order of priority:
 - a. Sequentially, to MA, MQ and MW, in that order, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date
 - b. Sequentially, to MK and MZ, in that order, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date
 - c. Sequentially, to MU and ZM, in that order, until retired
 - d. Sequentially, to MK and MZ, in that order, without regard to their Aggregate Scheduled Principal Balance, until retired
 - e. Sequentially, to MA, MQ and MW, in that order, without regard to their Aggregate Scheduled Principal Balance, until retired

- The Subgroup 3B Principal Distribution Amount, concurrently, as follows:
 1. 50%, sequentially, to FN and NF, in that order, until retired
 2. 50% in the following order of priority:
 - a. Sequentially, to NA, NQ and NW, in that order, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date
 - b. Sequentially, to NK and NZ, in that order, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date
 - c. Sequentially, to NU and ZN, in that order, until retired
 - d. Sequentially, to NK and NZ, in that order, without regard to their Aggregate Scheduled Principal Balance, until retired
 - e. Sequentially, to NA, NQ and NW, in that order, without regard to their Aggregate Scheduled Principal Balance, until retired

SECURITY GROUP 4

The Group 4 Principal Distribution Amount and the LZ Accrual Amount will be allocated as follows:

- The LZ Accrual Amount, sequentially, to LV and LZ, in that order, until retired
- The Group 4 Principal Distribution Amount, concurrently, as follows:
 1. 33.3333325217% to LF, until retired
 2. 66.6666674783%, sequentially, to LA, LV and LZ, in that order, until retired

SECURITY GROUP 5

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

1. Sequentially, to GA and GE, in that order, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date
2. To GT, until retired
3. Sequentially, to GA and GE, in that order, without regard to their Aggregate Scheduled Principal Balance, until retired

SECURITY GROUP 6

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

- The AZ Accrual Amount, sequentially, to AV, VA and AZ, in that order, until retired
- The UZ Accrual Amount in the following order of priority:
 1. Concurrently, to UA and UB, pro rata, until retired
 2. To UZ, until retired

- 66.6666673913% of the Subgroup 6A Principal Distribution Amount in the following order of priority:

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

2. Concurrently, to UA and UB, pro rata, until retired

3. To UZ, until retired

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

- 66.6666679266% of the Subgroup 6B Principal Distribution Amount, sequentially, to AK, AV, VA and AZ, in that order, until retired
- The remainder of the Subgroup 6A Principal Distribution Amount and the remainder of the Subgroup 6B Principal Distribution Amount to HF, until retired

SECURITY GROUP 7

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

SECURITY GROUP 8

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

SECURITY GROUP 9

The Group 9 Principal Distribution Amount and the JZ Accrual Amount will be allocated as follows:

- The JZ Accrual Amount, sequentially, to JV, VJ and JZ, in that order, until retired
- The Group 9 Principal Distribution Amount, sequentially, to JA, JW, JV, VJ and JZ, in that order, until retired

SECURITY GROUP 10

The Group 10 Principal Distribution Amount and the KZ Accrual Amount will be allocated as follows:

- The KZ Accrual Amount, sequentially, to KV, VK and KZ, in that order, until retired
- The Group 10 Principal Distribution Amount, sequentially, to KA, KW, KV, VK and KZ, in that order, until retired

SECURITY GROUP 12

The Group 12 Principal Distribution Amount and the ZE Accrual Amount will be allocated, sequentially, to EA and ZE, in that order, until retired

SECURITY GROUP 13

The Group 13 Principal Distribution Amount and the ZH Accrual Amount will be allocated in the following order of priority:

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

2. To ZH, until retired
3. Sequentially, to HP and HL, in that order, without regard to their Aggregate Scheduled Principal Balance, until retired

SECURITY GROUP 14

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

- The HZ Accrual Amount, sequentially, to HE and HZ, in that order, until retired
- The Group 14 Principal Distribution Amount, concurrently, as follows:
 1. 66.6666658189% to JF, until retired
 2. 33.3333341811% in the following order of priority:
 - a. Sequentially, to JC and JL, in that order, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date
 - b. To HD, until reduced to its Scheduled Principal Balance for that Distribution Date
 - c. Sequentially, to HE and HZ, in that order, until retired
 - d. To HD, without regard to its Scheduled Principal Balance, until retired
 - e. Sequentially, to JC and JL, in that order, without regard to their Aggregate Scheduled Principal Balance, until retired

SECURITY GROUP 15

The Subgroup 15A Principal Distribution Amount, the Subgroup 15B Principal Distribution Amount, the ZA Accrual Amount and the ZC Accrual Amount will be allocated as follows:

- 33.3333326316% of the Subgroup 15A Principal Distribution Amount and 33.3333333333% of the Subgroup 15B Principal Distribution Amount to CF, until retired
- The remainder of the Subgroup 15A Principal Distribution Amount, the remainder of the Subgroup 15B Principal Distribution Amount, the ZA Accrual Amount and the ZC Accrual Amount in the following order of priority:
 1. To CA, CY and FE, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date, concurrently, as follows:
 - a. 24.9999994641% to FE, until retired
 - b. 75.0000005359%, sequentially, to CA and CY, in that order, until retired
 2. Sequentially, to ZA and ZC, in that order, until retired
 3. To CA, CY and FE, in the same manner and priority as step 1, but without regard to their Aggregate Scheduled Principal Balance, until retired

SECURITY GROUP 16

The Subgroup 16A Principal Distribution Amount, the Subgroup 16B Principal Distribution Amount, the Subgroup 16C Principal Distribution Amount, the Subgroup 16D Principal Distribution Amount, the

Subgroup 16E Principal Distribution Amount, the Subgroup 16F Principal Distribution Amount, the Subgroup 16G Principal Distribution Amount, the Subgroup 16H Principal Distribution Amount, the Subgroup 16I Principal Distribution Amount, the Subgroup 16J Principal Distribution Amount, the Subgroup 16K Principal Distribution Amount, the Subgroup 16L Principal Distribution Amount, the ZB Accrual Amount, the ZG Accrual Amount and the ZK Accrual Amount will be allocated as follows:

- 33.3333333333% of the Subgroup 16A Principal Distribution Amount, 33.3333333333% of the Subgroup 16D Principal Distribution Amount, 33.3333316062% of the Subgroup 16E Principal Distribution Amount, 33.3333320051% of the Subgroup 16H Principal Distribution Amount, 33.333332% of the Subgroup 16I Principal Distribution Amount and 33.333332% of the Subgroup 16L Principal Distribution Amount to FJ, until retired
- 33.3333333333% of the Subgroup 16B Principal Distribution Amount, 33.3333333333% of the Subgroup 16C Principal Distribution Amount, 33.3333312102% of the Subgroup 16F Principal Distribution Amount, 33.3333333333% of the Subgroup 16G Principal Distribution Amount, 33.3333333333% of the Subgroup 16J Principal Distribution Amount and 33.3333325675% of the Subgroup 16K Principal Distribution Amount to FK, until retired
- The remainder of the Subgroup 16A Principal Distribution Amount, the remainder of the Subgroup 16B Principal Distribution Amount, the remainder of the Subgroup 16C Principal Distribution Amount, the remainder of the Subgroup 16D Principal Distribution Amount and the ZG Accrual Amount in the following order of priority:
 1. Concurrently, to FG and PG, pro rata, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date
 2. To ZG, until retired
 3. Concurrently, to FG and PG, pro rata, without regard to their Aggregate Scheduled Principal Balance, until retired
- The remainder of the Subgroup 16E Principal Distribution Amount, the remainder of the Subgroup 16F Principal Distribution Amount, the remainder of the Subgroup 16G Principal Distribution Amount, the remainder of the Subgroup 16H Principal Distribution Amount and the ZB Accrual Amount in the following order of priority:
 1. Concurrently, to GP and TF, pro rata, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date
 2. To ZB, until retired
 3. Concurrently, to GP and TF, pro rata, without regard to their Aggregate Scheduled Principal Balance, until retired
- The remainder of the Subgroup 16I Principal Distribution Amount, the remainder of the Subgroup 16J Principal Distribution Amount, the remainder of the Subgroup 16K Principal Distribution Amount, the remainder of the Subgroup 16L Principal Distribution Amount and the ZK Accrual Amount in the following order of priority:
 1. To FL, PK and PL, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date, concurrently, as follows:
 - a. 25% to FL, until retired
 - b. 75%, sequentially, to PK and PL, in that order, until retired

2. To ZK, until retired

3. To FL, PK and PL, in the same manner and priority as step 1, but without regard to their Aggregate Scheduled Principal Balance, until retired

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

	<u>Structuring Ranges</u>
PAC Classes	
BA, BY and PY (in the aggregate)	175% PSA through 250% PSA
CA, CY and FE (in the aggregate)	250% PSA through 350% PSA
FG and PG (in the aggregate)	200% PSA through 300% PSA
GA and GE (in the aggregate)	175% PSA through 275% PSA
GP and TF (in the aggregate)	200% PSA through 300% PSA
HA and HY (in the aggregate)	200% PSA through 300% PSA
HL and HP (in the aggregate)	210% PSA through 450% PSA
PAC I Classes	
JC and JL (in the aggregate)	175% PSA through 400% PSA
MA, MQ and MW (in the aggregate)	150% PSA through 300% PSA
NA, NQ and NW (in the aggregate)	155% PSA through 300% PSA
PAC II Classes	
HD	250% PSA through 400% PSA
MK and MZ (in the aggregate)	240% PSA through 300% PSA
NK and NZ (in the aggregate)	240% PSA through 300% PSA
Scheduled Classes	
FL, PK and PL (in the aggregate)	275% PSA through 400% PSA

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

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

Class	Original Class Notional Balance	Represents Approximately
AI	\$ 2,221,899	10% of GA and GE (in the aggregate) (SC/PAC Classes)
AS	\$ 61,900,000	33.3333333333% of the Subgroup 16A, 16B and 16J Trust Assets (in the aggregate)
	6,433,333	33.333316062% of the Subgroup 16E Trust Assets
	5,233,333	33.333312102% of the Subgroup 16F Trust Assets
	8,333,333	33.333332% of the Subgroup 16I Trust Assets
	<u>\$ 81,899,999</u>	
BS	\$ 31,949,349	33.3333333333% of the Subgroup 16C, 16D and 16G Trust Assets (in the aggregate)
	16,731,046	33.333320051% of the Subgroup 16H Trust Assets
	14,508,333	33.333325675% of the Subgroup 16K Trust Assets
	16,666,666	33.333332% of the Subgroup 16L Trust Assets
	<u>\$ 79,855,394</u>	
CI	\$ 6,997,919	10% of CA and CY (in the aggregate) (PAC/AD Classes)
CS	31,666,666	33.333326316% of the Subgroup 15A Trust Assets
DI	4,694,666	22.2222222222% of LA (SEQ Class)
DS . . .	\$ 37,900,000	33.3333333333% of the Subgroup 16A Trust Assets
	6,433,333	33.333316062% of the Subgroup 16E Trust Assets
	8,333,333	33.333332% of the Subgroup 16I Trust Assets
	<u>\$ 52,666,666</u>	
ES	\$ 24,000,000	33.3333333333% of the Subgroup 16B and 16J Trust Assets (in the aggregate)
	5,233,333	33.333312102% of the Subgroup 16F Trust Assets
	<u>\$ 29,233,333</u>	
GS . . .	\$ 15,800,000	33.3333333333% of the Subgroup 16C and 16G Trust Assets (in the aggregate)
	14,508,333	33.333325675% of the Subgroup 16K Trust Assets
	<u>\$ 30,308,333</u>	
HI	\$ 8,333,333	33.3333333333% of HP (PAC/AD Class)
HS . . .	48,304,842	100% of HF (PT Class)
IA	6,573,874	10% of CA (PAC/AD Class)
IB	15,508,190	25% of BA (PAC/AD Class)
IC	5,619,656	11.1111111111% of HA (PAC Class)
ID	3,333,333	11.1111111111% of AK (SEQ Class)
IE	10,747,101	33.3333333333% of EA (SEQ/AD Class)
IO	25,385,545	818.4679614637% of PO (SC/PT Class)
IP	16,373,274	25% of BA and BY (in the aggregate) (PAC/AD Classes)
JI	3,354,164	18.1818181818% of JC (PAC I Class)
JS	52,423,410	100% of JF (PT Class)
KS	\$ 16,149,349	33.3333333333% of the Subgroup 16D Trust Assets
	16,731,046	33.333320051% of the Subgroup 16H Trust Assets
	16,666,666	33.333332% of the Subgroup 16L Trust Assets
	<u>\$ 49,547,061</u>	

Class	Original Class Notional Balance	Represents Approximately
LS	\$ 13,690,352	100% of LF (PT Class)
MS . . .	13,600,000	100% of MF (SEQ Class)
NS . . .	20,000,000	100% of NF (SEQ Class)
QS . . .	1,000,000	100% of QF (SEQ Class)
SB	100,000,000	100% of FB (PT Class)
SC	33,600,000	100% of MF and NF (in the aggregate) (SEQ Classes)
SD . . .	42,000,000	100% of FM, FN, MF and NF (in the aggregate) (SEQ Classes)
SE	23,326,398	100% of FE (PAC/AD Class)
SG . . .	13,888,888	100% of FG (PAC/AD Class)
SH . . .	20,000,000	33.3333333333% of the Subgroup 15B Trust Assets
SL	21,960,250	100% of FL (SCH/AD Class)
SM . . .	3,400,000	100% of FM (SEQ Class)
SN . . .	5,000,000	100% of FN (SEQ Class)
SP	\$ 24,999,999	100% of FG and TF (in the aggregate) (PAC/AD Classes)
	21,960,250	100% of FL (SCH/AD Class)
	<u>\$ 46,960,249</u>	
SQ . . .	\$ 5,000,000	100% of FT and QF (in the aggregate) (SEQ Classes)
ST	4,000,000	100% of FT (SEQ Class)
SY	21,755,133	100% of the Group 11 Trust Assets
TI	7,296,436	100% of the Subgroup 8A Trust Assets
TS	11,111,111	100% of TF (PAC/AD Class)

Tax Status: Single REMIC Series as to the Group 2 Trust Assets (the “Group 2 REMIC”), Single REMIC Series as to the Group 12 Trust Assets (the “Group 12 REMIC”) and Double REMIC Series as to the Group 1, 3, 4, 5, 6, 7, 8, 9, 10, 11, 13, 14, 15 and 16 Trust Assets. Separate REMIC elections will be made as to the Group 2 REMIC, as to the Group 12 REMIC and as to the Issuing REMIC and the Pooling REMIC with respect to the Group 1, 3, 4, 5, 6, 7, 8, 9, 10, 11, 13, 14, 15 and 16 Trust Assets (the “Group 1, 3, 4, 5, 6, 7, 8, 9, 10, 11, 13, 14, 15 and 16 Issuing REMIC” and the “Group 1, 3, 4, 5, 6, 7, 8, 9, 10, 11, 13, 14, 15 and 16 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, R2 and R12 are Residual Classes. Class RR represents the Residual Interest of the Group 1, 3, 4, 5, 6, 7, 8, 9, 10, 11, 13, 14, 15 and 16 Issuing and Pooling REMICs. Class R2 represents the Residual Interest of the Group 2 REMIC. Class R12 represents the Residual Interest of the Group 12 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 (principal only securities, for example) and

principal payments are slower than you expected.

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

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

The 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 5, 7, 8 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 principal entitlements of the underlying certificates included in trust asset group 5 and subgroup 8B on any payment date are calculated, directly or indirectly, on the

basis of schedules; no assurance can be given that the underlying certificates will adhere to their schedules. Further, prepayments on the related mortgage loans may have occurred at rates faster or slower than those initially assumed.

The trust assets underlying certain of the underlying certificates included in trust asset group 7 and subgroup 8B are also previously issued certificates that represent beneficial ownership interests in separate trusts. The rate of payments on the previously issued certificates backing these underlying certificates will directly affect the timing and rate of payments on the group 7 and 8 securities. You should read the related underlying certificate disclosure documents, including the risk factors contained therein, to understand the payments on and related risks of the previously issued certificates backing these underlying certificates.

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

Up to 10% of the mortgage loans underlying the group 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 14, 15 and 16 trust assets and up to 100% of the mortgage loans underlying the group 13 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 5, 7, 8 and 11 securities and, in particular, the support, interest only, principal 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 the Underlying Certificates, will evidence, directly or indirectly, Ginnie Mae Certificates.

The Trust MBS (Groups 1, 2, 3, 4, 6, 9, 10, 12, 13, 14, 15 and 16)

The Subgroup 14B Trust Assets are either:

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

Each Mortgage Loan underlying a Ginnie Mae I MBS Certificate bears interest at a Mortgage Rate 0.50% per annum greater than the related Certificate Rate. The difference between the Mortgage Rate and the Certificate Rate is used to pay the related servicers of the Mortgage Loans a monthly servicing fee and

Ginnie Mae a fee for its guaranty of the Ginnie Mae I MBS Certificate of 0.44% per annum and 0.06% per annum, respectively, of the outstanding principal balance of the Mortgage Loan.

The Group 1, 2, 3, 4, 6, 9, 10, 12, 13, 15 and 16 and Subgroup 14A Trust Assets are either:

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

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

The Underlying Certificates (Groups 5, 7, 8 and 11)

The Group 5, 7, 8 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. 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, 6, 9, 10, 12, 13, 14, 15 and 16 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, 6, 9, 10, 12, 13, 14, 15 and 16 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, in the case of the Group 1, 2, 3, 4, 6, 9, 10, 12, 13, 15 and 16 and Subgroup 14A Trust Assets, Mortgage Rates of the Mortgage Loans underlying the Trust MBS. However, the actual remaining terms to maturity, loan ages and, in the case of the Group 1, 2, 3, 4, 6, 9, 10, 12, 13, 15 and 16 and Subgroup 14A Trust Assets, Mortgage Rates of many of the Mortgage Loans will differ from the characteristics assumed, perhaps significantly. This will be the case even if the weighted average characteristics of the Mortgage Loans are the same as the assumed characteristics. Small differences in the characteristics of the Mortgage Loans can have a significant effect on the Weighted Average Lives and yields of the Securities. See *“Risk Factors” and “Yield, Maturity and Prepayment Considerations” in this Supplement.*

The Trustee Fee

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

GINNIE MAE GUARANTY

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

DESCRIPTION OF THE SECURITIES

General

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

Form of Securities

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

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

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

\$1 in excess of \$1,000. The Increased Minimum Denomination Classes will be issued in minimum denominations that equal \$100,000 in initial principal or notional balance.

Distributions

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

Interest Distributions

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

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

Categories of Classes

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

Accrual Periods

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

<u>Class</u>	<u>Accrual Period</u>
Fixed Rate and Delay Classes	The calendar month preceding the related Distribution Date
Group 2, 3, 6, 8, 14, 15 and 16 Floating Rate and Inverse Floating Rate Classes	From the 20th day of the month preceding the month of the related Distribution Date through the 19th day of the month of that Distribution Date
Group 11 Inverse Floating Rate Class	From the 16th day of the month preceding the month of the related Distribution Date through the 15th 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 7, 8 and 11 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 AZ, HZ, JZ, KZ, LZ, MZ, NZ, PZ, UZ, ZA, ZB, ZC, ZE, ZG, ZH, ZK, ZM and ZN 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, 3, 4, 5, 6, 7, 8, 9, 10, 11, 13, 14, 15 and 16 Issuing REMIC and the beneficial ownership of the

Residual Interest in the Group 1, 3, 4, 5, 6, 7, 8, 9, 10, 11, 13, 14, 15 and 16 Pooling REMIC, as described in “Certain United States Federal Income Tax Consequences” in the Base Offering Circular. The Class R2 Securities will represent the beneficial ownership of the Residual Interest in the Group 2 REMIC, as described in “Certain United States Federal Income Tax Consequences” in the Base Offering Circular. The Class R12 Securities will represent the beneficial ownership of the Residual Interest in the Group 12 REMIC, as described in “Certain United States Federal Income Tax Consequences” in the Base Offering Circular. The Class RR, R2 and R12 Securities have no Class Principal Balance and do not accrue interest. The Class RR, R2 and R12 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 applicable Distribution Date, the factor (carried out to eight decimal places) that when multiplied by the Original Class Principal Balance (or original Class Notional Balance) of that Class, determines the Class Principal Balance (or Class Notional Balance) after giving effect to the distribution of principal to be made on the Securities (and any addition to the Class Principal Balance of an Accrual Class) or any reduction of Class Notional Balance on that Distribution Date (each, a “Class Factor”).

- The Class Factor for any Class of Securities for each month following the issuance of the Securities will reflect its remaining Class Principal Balance (or Class Notional Balance) after giving effect to any principal distribution (or addition to principal) to be made or any reduction of Class Notional Balance on the Distribution Date occurring in that month.
- The Class Factor for each Class for the month of issuance is 1.00000000.
- The Class Factors for the MX Classes and the Classes of REMIC Securities that are exchangeable for the MX Classes will be calculated assuming that the maximum possible amount of each Class is outstanding at all times, regardless of any exchanges that may occur.
- Based on the Class Factors published in the preceding and current months (and Interest Rates), investors in any Class (other than an Accrual Class) can calculate the amount of principal and interest to be distributed to that Class and investors in an Accrual Class can calculate the total amount of principal to be distributed to (or interest to be added to the Class Principal Balance of) that Class on the Distribution Date in the current month.
- Investors may obtain current Class Factors on 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, 3, 4, 5, 6, 7, 8, 9, 10, 11, 13, 14, 15 and 16 Issuing and Pooling REMICs	Group 1, 3, 4, 5, 6, 7, 8, 9, 10, 11, 13, 14, 15 and 16 Securities
Group 2 REMIC	Group 2 Securities
Group 12 REMIC	Group 12 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 each of Security Groups 2 and 12, a Holder of all of the outstanding Regular Securities of any 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)(i) the aggregate remaining principal balance of the assets of such Security Group, but in no event less than the aggregate outstanding principal amount of the Securities of such Security Group, plus (ii) accrued interest on the Securities of such Security Group, less (B) amounts on deposit in the related Trust REMIC, for distribution on the Securities of such Security Group, plus (C) a \$5,000 termination fee payable to the Trustee in connection with each Security Group to be terminated. After the Notice Period, and upon such purchase, the Trustee will terminate the related Trust REMIC. Upon such termination, the Trustee will distribute the cash proceeds of the sale of the related Trust Assets to the Holder of the related Securities (which distribution may be offset against amounts due on the sale of such assets), will cancel the Securities of the related Security Group and cause the removal from the Book-Entry Depository Account of all Classes of the related Security Group, will cancel the related Class of Residual Securities, and will credit the remaining Trust Assets in the related Security Group to the account of the surrendering Holder. Notwithstanding anything to the contrary contained herein, no such termination will be allowed unless the Trustee and Ginnie Mae are provided, at no cost to either the Trustee or Ginnie Mae, an Opinion of Counsel, acceptable to the Trustee and Ginnie Mae, to the effect that such termination constitutes a "qualified liquidation" under the REMIC Provisions, including Section 860F(a)(4) of the Code, and such termination will not result in a disqualification of any Trust REMIC that is not terminated at such time or the imposition of any "prohibited transactions" or "contributions" tax under the REMIC Provisions on any Trust REMIC that is not terminated at such time.

Modification and Exchange

All or a portion of the Classes of REMIC Securities specified on the front cover may be exchanged for a proportionate interest in the related MX Class or Classes shown on Schedule I to this Supplement. Similarly, all or a portion of the related MX Class or Classes may be exchanged for proportionate interests in the related Class or Classes of REMIC Securities and, in the case of Combinations 1, 2, 12, 13, 14, 15, 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 1, 2, 12, 13, 14, 15, 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 2019-029. 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. The fee must be paid concurrently with the exchange.

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

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

YIELD, MATURITY AND PREPAYMENT CONSIDERATIONS

General

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

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

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

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

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

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

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

Investors in the Group 5, 7, 8 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 5, 7, 8 and 11 securities*" in this Supplement.

Accretion Directed Classes

Classes AV, BA, BY, CA, CY, EA, FE, FG, FL, GP, HE, HL, HP, JV, KV, LV, MK, MU, NK, NU, PG, PK, PL, PY, TF, UA, UB, VA, VJ, VK and ZA are Accretion Directed Classes. The related Accrual Amounts will be applied to making principal distributions on those Classes as described in this Supplement. Each of Classes SE, SG, SL and TS is a Notional Class whose Class Notional Balance is determined by reference to the Class Principal Balance of the related Accretion Directed Class shown under "Terms Sheet — Notional Classes" in this Supplement.

Each of the Accretion Directed Classes (other than Classes AV, JV and KV) 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 AV, JV, KV, LV, VA, VJ and VK 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 Range.

The Accretion Directed Classes are entitled to principal payments in an amount equal to interest accrued on the related Accrual Classes. With respect to the Classes listed in the table below, the Weighted Average Life of each such Class cannot exceed its Weighted Average Life as shown in the following table under any 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 AV, JV, KV, LV, VA, VJ and VK 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>
AV	6.0	June 2030	251% PSA
JV	6.0	April 2030	252% PSA
KV	6.0	May 2030	220% PSA
LV	6.0	June 2030	186% PSA
VA	16.0	June 2039	99% PSA
VJ	16.0	July 2039	96% PSA
VK	16.0	July 2039	78% 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 Mortgage Loans prepay at any constant rate at or below the rate shown in the table for such Class.

The Mortgage Loans will have characteristics that differ from those of the Modeling Assumptions. Therefore, even if the related Mortgage Loans prepay at a rate at or somewhat below the “at or below” rate shown for Class AV, JV, KV, LV, VA, VJ or VK, 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:

	<u>Initial Effective Ranges</u>
PAC Classes	
BA, BY and PY (in the aggregate)	175% PSA through 250% PSA
CA, CY and FE (in the aggregate)	250% PSA through 350% PSA
FG and PG (in the aggregate)	200% PSA through 300% PSA
GA and GE (in the aggregate)	175% PSA through 275% PSA
GP and TF (in the aggregate)	200% PSA through 300% PSA
HA and HY (in the aggregate)	200% PSA through 300% PSA
HL and HP (in the aggregate)	210% PSA through 450% PSA
PAC I Classes	
JC and JL (in the aggregate)	175% PSA through 400% PSA
MA, MQ and MW (in the aggregate)	150% PSA through 300% PSA
NA, NQ and NW (in the aggregate)	155% PSA through 300% PSA
PAC II Classes	
HD	250% PSA through 400% PSA
MK and MZ (in the aggregate)	240% PSA through 300% PSA
NK and NZ (in the aggregate)	240% PSA through 300% PSA
Scheduled Classes	
FL, PK and PL (in the aggregate)	275% PSA through 400% PSA

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

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 Class or 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, 6, 9, 10, 12, 13, 14, 15 and 16 Trust Assets have the assumed characteristics shown under “Assumed Characteristics of the Mortgage Loans Underlying the Group 1, 2, 3, 4, 6, 9, 10, 12, 13, 14, 15 and 16 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, 6, 9, 10, 12, 13, 14, 15 or 16 Trust Asset is assumed to have an original and a remaining term to maturity of 360 months and each Mortgage Loan underlying a Group 1, 2, 3, 4, 6, 9, 10, 12, 13, 15 or 16 or Subgroup 14A Trust Asset is assumed to have a Mortgage Rate of 1.50% per annum higher than the related Certificate Rate.

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

3. Distributions on the Group 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 14, 15 and 16 Securities are always received on the 20th day of the month, and distributions on the Group 11 Securities are always received on the 16th day of the month, in each case, whether or not a Business Day, commencing in April 2019.

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

5. The Closing Date for the Securities is March 29, 2019.

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

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

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

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

- For example, most of the Mortgage Loans will not have the characteristics assumed, many Distribution Dates will occur on a Business Day after the 16th or 20th day of the month, as applicable, and the Trustee may cause a termination of the Trust as described under “Description of the Securities — Termination” in this Supplement.
- In addition, distributions on the Securities are based on Certificate Factors and Calculated Certificate Factors, as applicable, which may not reflect actual receipts on the Trust Assets.

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

Decrement Tables

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

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

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

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

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

The information shown for each Notional Class is for illustrative purposes only, as a Notional Class is not entitled to distributions of principal and has no Weighted Average Life. The Weighted Average

Life shown for each Notional Class has been calculated on the assumption that a reduction in the Class Notional Balance thereof is a distribution of principal.

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

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

Security Group 1 PSA Prepayment Assumption Rates															
Distribution Date	Classes BA, BC, BD, BE, BG and IB					Class BY					Classes IP, PA, PB, PC, PD and PE				
	0%	175%	210%	250%	500%	0%	175%	210%	250%	500%	0%	175%	210%	250%	500%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
March 2020	98	90	90	90	87	100	100	100	100	100	98	90	90	90	88
March 2021	96	76	76	76	58	100	100	100	100	100	96	78	78	78	60
March 2022	93	64	64	64	37	100	100	100	100	100	94	66	66	66	40
March 2023	91	53	53	53	22	100	100	100	100	100	91	55	55	55	27
March 2024	88	43	43	43	12	100	100	100	100	100	89	46	46	46	17
March 2025	86	34	34	34	6	100	100	100	100	100	86	37	37	37	11
March 2026	83	26	26	26	1	100	100	100	100	100	84	30	30	30	6
March 2027	80	20	20	20	0	100	100	100	100	58	81	24	24	24	3
March 2028	77	15	15	15	0	100	100	100	100	18	78	20	20	20	1
March 2029	73	11	11	11	0	100	100	100	100	0	75	15	15	15	0
March 2030	70	7	7	7	0	100	100	100	100	0	72	12	12	12	0
March 2031	66	4	4	4	0	100	100	100	100	0	68	9	9	9	0
March 2032	62	2	2	2	0	100	100	100	100	0	64	7	7	7	0
March 2033	58	0	0	0	0	100	94	94	94	0	60	5	5	5	0
March 2034	54	0	0	0	0	100	63	63	63	0	56	3	3	3	0
March 2035	49	0	0	0	0	100	38	38	38	0	52	2	2	2	0
March 2036	45	0	0	0	0	100	17	17	17	0	48	1	1	1	0
March 2037	40	0	0	0	0	100	0	0	0	0	43	0	0	0	0
March 2038	34	0	0	0	0	100	0	0	0	0	38	0	0	0	0
March 2039	29	0	0	0	0	100	0	0	0	0	33	0	0	0	0
March 2040	23	0	0	0	0	100	0	0	0	0	27	0	0	0	0
March 2041	17	0	0	0	0	100	0	0	0	0	21	0	0	0	0
March 2042	10	0	0	0	0	100	0	0	0	0	15	0	0	0	0
March 2043	3	0	0	0	0	100	0	0	0	0	8	0	0	0	0
March 2044	0	0	0	0	0	28	0	0	0	0	1	0	0	0	0
March 2045	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
March 2046	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
March 2047	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
March 2048	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
March 2049	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	14.8	5.0	5.0	5.0	2.7	24.8	15.6	15.6	15.6	8.3	15.3	5.5	5.5	5.5	3.0

PSA Prepayment Assumption Rates										
Distribution Date	Class PY					Class PZ				
	0%	175%	210%	250%	500%	0%	175%	210%	250%	500%
Initial Percent	100	100	100	100	100	100	100	100	100	100
March 2020	100	100	100	100	100	104	104	90	75	0
March 2021	100	100	100	100	100	108	108	77	42	0
March 2022	100	100	100	100	100	113	113	68	19	0
March 2023	100	100	100	100	100	117	117	64	6	0
March 2024	100	100	100	100	100	122	122	63	1	0
March 2025	100	100	100	100	100	127	126	64	0	0
March 2026	100	100	100	100	100	132	127	63	0	0
March 2027	100	100	100	100	100	138	124	61	0	0
March 2028	100	100	100	100	100	143	119	58	0	0
March 2029	100	100	100	100	86	149	113	54	0	0
March 2030	100	100	100	100	58	155	105	50	0	0
March 2031	100	100	100	100	39	161	97	45	0	0
March 2032	100	100	100	100	26	168	88	40	0	0
March 2033	100	100	100	100	18	175	80	36	0	0
March 2034	100	100	100	100	12	182	71	32	0	0
March 2035	100	100	100	100	8	189	63	28	0	0
March 2036	100	100	100	100	5	197	55	24	0	0
March 2037	100	100	100	100	3	205	48	20	0	0
March 2038	100	79	79	79	2	214	41	17	0	0
March 2039	100	61	61	61	1	222	35	14	0	0
March 2040	100	47	47	47	1	231	29	12	0	0
March 2041	100	36	36	36	1	241	24	10	0	0
March 2042	100	26	26	26	0	251	19	7	0	0
March 2043	100	19	19	19	0	261	15	6	0	0
March 2044	100	13	13	13	0	271	11	4	0	0
March 2045	8	8	8	8	0	258	7	3	0	0
March 2046	5	5	5	5	0	199	4	2	0	0
March 2047	2	2	2	2	0	137	2	1	0	0
March 2048	0	0	0	0	0	71	0	0	0	0
March 2049	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	25.6	21.5	21.5	21.5	12.1	27.9	16.5	10.6	1.9	0.5

Security Group 2 PSA Prepayment Assumption Rates					
Distribution Date	Classes FB and SB				
	0%	100%	210%	350%	500%
Initial Percent	100	100	100	100	100
March 2020	99	96	92	88	84
March 2021	97	89	81	71	61
March 2022	96	82	69	55	42
March 2023	95	76	59	43	29
March 2024	93	70	51	33	20
March 2025	91	64	43	25	13
March 2026	90	59	37	20	9
March 2027	88	54	32	15	6
March 2028	86	49	27	12	4
March 2029	84	45	23	9	3
March 2030	81	41	19	7	2
March 2031	79	37	16	5	1
March 2032	77	33	14	4	1
March 2033	74	30	11	3	1
March 2034	71	27	10	2	0
March 2035	68	24	8	2	0
March 2036	65	21	7	1	0
March 2037	61	19	5	1	0
March 2038	58	16	4	1	0
March 2039	54	14	3	0	0
March 2040	50	12	3	0	0
March 2041	46	10	2	0	0
March 2042	41	8	2	0	0
March 2043	36	7	1	0	0
March 2044	31	5	1	0	0
March 2045	26	4	1	0	0
March 2046	20	2	0	0	0
March 2047	14	1	0	0	0
March 2048	7	0	0	0	0
March 2049	0	0	0	0	0
Weighted Average Life (years)	19.3	10.5	6.7	4.5	3.3

Security Group 3 PSA Prepayment Assumption Rates																				
Distribution Date	Classes FM, QF, QS and SM					Classes FN and SN					Classes FT, MF, MS and ST					Class MA				
	0%	150%	270%	300%	600%	0%	150%	270%	300%	600%	0%	150%	270%	300%	600%	0%	150%	270%	300%	600%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
March 2020	94	78	67	64	36	94	80	70	68	42	100	100	100	100	100	98	93	93	93	93
March 2021	87	40	6	0	0	88	44	12	4	0	100	100	100	100	99	79	96	82	82	80
March 2022	80	0	0	0	0	82	0	0	0	0	100	99	84	80	50	94	68	68	68	44
March 2023	73	0	0	0	0	75	0	0	0	0	100	88	69	65	32	92	55	55	55	21
March 2024	65	0	0	0	0	68	0	0	0	0	100	79	57	52	20	89	43	43	43	7
March 2025	57	0	0	0	0	60	0	0	0	0	100	70	46	42	12	87	33	33	33	0
March 2026	48	0	0	0	0	52	0	0	0	0	100	62	38	33	8	84	24	24	24	0
March 2027	39	0	0	0	0	43	0	0	0	0	100	55	31	27	5	81	15	15	15	0
March 2028	29	0	0	0	0	34	0	0	0	0	100	49	25	21	3	78	9	9	9	0
March 2029	18	0	0	0	0	24	0	0	0	0	100	43	21	17	2	75	4	4	4	0
March 2030	7	0	0	0	0	13	0	0	0	0	100	38	17	14	1	72	0	0	0	0
March 2031	0	0	0	0	0	2	0	0	0	0	99	34	14	11	1	68	0	0	0	0
March 2032	0	0	0	0	0	0	0	0	0	0	96	30	11	8	0	64	0	0	0	0
March 2033	0	0	0	0	0	0	0	0	0	0	92	26	9	7	0	60	0	0	0	0
March 2034	0	0	0	0	0	0	0	0	0	0	89	22	7	5	0	56	0	0	0	0
March 2035	0	0	0	0	0	0	0	0	0	0	85	19	6	4	0	51	0	0	0	0
March 2036	0	0	0	0	0	0	0	0	0	0	81	17	5	3	0	46	0	0	0	0
March 2037	0	0	0	0	0	0	0	0	0	0	77	14	4	2	0	41	0	0	0	0
March 2038	0	0	0	0	0	0	0	0	0	0	72	12	3	2	0	36	0	0	0	0
March 2039	0	0	0	0	0	0	0	0	0	0	68	10	2	1	0	30	0	0	0	0
March 2040	0	0	0	0	0	0	0	0	0	0	62	9	2	1	0	24	0	0	0	0
March 2041	0	0	0	0	0	0	0	0	0	0	57	7	1	1	0	17	0	0	0	0
March 2042	0	0	0	0	0	0	0	0	0	0	51	6	1	1	0	10	0	0	0	0
March 2043	0	0	0	0	0	0	0	0	0	0	45	5	1	0	0	3	0	0	0	0
March 2044	0	0	0	0	0	0	0	0	0	0	39	4	0	0	0	0	0	0	0	0
March 2045	0	0	0	0	0	0	0	0	0	0	32	3	0	0	0	0	0	0	0	0
March 2046	0	0	0	0	0	0	0	0	0	0	25	2	0	0	0	0	0	0	0	0
March 2047	0	0	0	0	0	0	0	0	0	0	17	1	0	0	0	0	0	0	0	0
March 2048	0	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0
March 2049	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	1.3	1.2	0.8	6.9	1.8	1.3	1.3	0.9	22.5	10.6	7.0	6.5	3.7	15.1	4.8	4.8	4.8	2.9

Security Group 3 PSA Prepayment Assumption Rates																				
Distribution Date	Class MB					Class MK					Class MQ					Classes MT and SQ				
	0%	150%	270%	300%	600%	0%	150%	270%	300%	600%	0%	150%	270%	300%	600%	0%	150%	270%	300%	600%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
March 2020	98	94	94	94	94	100	100	89	89	89	100	100	100	100	100	99	96	93	93	87
March 2021	97	84	84	84	82	100	100	66	66	0	100	100	100	100	100	97	88	81	80	64
March 2022	95	72	72	72	51	100	100	41	41	0	100	100	100	100	100	96	79	67	64	40
March 2023	93	60	60	60	31	100	100	23	23	0	100	100	100	100	100	95	70	55	52	25
March 2024	91	50	50	50	18	100	100	10	10	0	100	100	100	100	100	93	63	45	42	16
March 2025	88	41	41	41	10	100	100	3	3	0	100	100	100	100	84	91	56	37	33	10
March 2026	86	33	33	33	5	100	100	0	0	0	100	100	100	100	43	90	50	30	27	6
March 2027	84	26	26	26	2	100	98	0	0	0	100	100	100	100	17	88	44	25	21	4
March 2028	81	20	20	20	0	100	94	0	0	0	100	100	100	100	1	86	39	20	17	2
March 2029	78	15	15	15	0	100	87	0	0	0	100	100	100	100	0	84	35	17	14	2
March 2030	75	11	11	11	0	100	78	0	0	0	100	95	95	95	0	81	31	13	11	1
March 2031	72	8	8	8	0	100	69	0	0	0	100	69	69	69	0	79	27	11	9	1
March 2032	69	6	6	6	0	100	59	0	0	0	100	49	49	49	0	77	24	9	7	0
March 2033	65	4	4	4	0	100	49	0	0	0	100	33	33	33	0	74	21	7	5	0
March 2034	61	2	2	2	0	100	39	0	0	0	100	21	21	21	0	71	18	6	4	0
March 2035	57	1	1	1	0	100	29	0	0	0	100	10	10	10	0	68	16	5	3	0
March 2036	53	0	0	0	0	100	20	0	0	0	100	2	2	2	0	65	13	4	3	0
March 2037	48	0	0	0	0	100	11	0	0	0	100	0	0	0	0	61	12	3	2	0
March 2038	43	0	0	0	0	100	3	0	0	0	100	0	0	0	0	58	10	2	2	0
March 2039	38	0	0	0	0	100	0	0	0	0	100	0	0	0	0	54	8	2	1	0
March 2040	33	0	0	0	0	100	0	0	0	0	100	0	0	0	0	50	7	1	1	0
March 2041	27	0	0	0	0	100	0	0	0	0	100	0	0	0	0	46	6	1	1	0
March 2042	21	0	0	0	0	100	0	0	0	0	100	0	0	0	0	41	5	1	0	0
March 2043	14	0	0	0	0	100	0	0	0	0	100	0	0	0	0	36	4	1	0	0
March 2044	8	0	0	0	0	100	0	0	0	0	63	0	0	0	0	31	3	0	0	0
March 2045	0	0	0	0	0	100	0	0	0	0	1	0	0	0	0	26	2	0	0	0
March 2046	0	0	0	0	0	77	0	0	0	0	0	0	0	0	0	20	1	0	0	0
March 2047	0	0	0	0	0	37	0	0	0	0	0	0	0	0	0	14	1	0	0	0
March 2048	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0	0	0
March 2049	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average																				
Life (years)	16.3	5.8	5.8	5.8	3.4	27.7	13.9	2.8	2.8	1.4	25.2	13.3	13.3	13.3	7.0	19.3	8.8	5.9	5.4	3.1

PSA Prepayment Assumption Rates																				
Distribution Date	Class MU					Class MW					Class MZ					Class NA				
	0%	150%	270%	300%	600%	0%	150%	270%	300%	600%	0%	150%	270%	300%	600%	0%	150%	270%	300%	600%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
March 2020	100	100	93	86	14	100	100	100	100	100	104	104	104	104	104	98	94	94	94	94
March 2021	100	100	79	58	0	100	100	100	100	100	107	107	107	107	0	97	84	83	83	82
March 2022	100	100	64	29	0	100	100	100	100	100	111	111	111	111	0	95	70	69	69	47
March 2023	100	100	55	12	0	100	100	100	100	100	115	115	115	115	0	93	58	57	57	24
March 2024	100	100	50	3	0	100	100	100	100	100	119	119	119	119	0	91	47	45	45	10
March 2025	100	100	48	0	0	100	100	100	100	100	123	123	123	123	0	88	36	35	35	1
March 2026	100	100	47	0	0	100	100	100	100	100	128	128	90	90	0	86	27	26	26	0
March 2027	100	100	44	0	0	100	100	100	100	100	132	132	0	0	0	83	19	18	18	0
March 2028	100	100	41	0	0	100	100	100	100	100	137	137	0	0	0	81	12	11	11	0
March 2029	100	100	37	0	0	100	100	100	100	64	142	142	0	0	0	78	6	6	6	0
March 2030	100	100	33	0	0	100	100	100	100	40	147	147	0	0	0	74	2	2	2	0
March 2031	100	100	29	0	0	100	100	100	100	24	152	152	0	0	0	71	0	0	0	0
March 2032	100	100	25	0	0	100	100	100	100	15	158	158	0	0	0	68	0	0	0	0
March 2033	100	100	22	0	0	100	100	100	100	9	163	163	0	0	0	64	0	0	0	0
March 2034	100	100	19	0	0	100	100	100	100	6	169	169	0	0	0	60	0	0	0	0
March 2035	100	100	16	0	0	100	100	100	100	3	175	175	0	0	0	55	0	0	0	0
March 2036	100	100	13	0	0	100	100	100	100	2	181	181	0	0	0	51	0	0	0	0
March 2037	100	100	11	0	0	100	84	84	84	1	188	188	0	0	0	46	0	0	0	0
March 2038	100	100	9	0	0	100	64	64	64	1	194	194	0	0	0	40	0	0	0	0
March 2039	100	90	7	0	0	100	49	49	49	0	201	0	0	0	0	35	0	0	0	0
March 2040	100	77	6	0	0	100	37	37	37	0	208	0	0	0	0	29	0	0	0	0
March 2041	100	64	5	0	0	100	27	27	27	0	216	0	0	0	0	22	0	0	0	0
March 2042	100	53	4	0	0	100	20	20	20	0	223	0	0	0	0	15	0	0	0	0
March 2043	100	42	3	0	0	100	14	14	14	0	231	0	0	0	0	8	0	0	0	0
March 2044	100	33	2	0	0	100	10	10	10	0	240	0	0	0	0	0	0	0	0	0
March 2045	100	24	1	0	0	100	7	7	7	0	248	0	0	0	0	0	0	0	0	0
March 2046	100	17	1	0	0	4	4	4	4	0	257	0	0	0	0	0	0	0	0	0
March 2047	100	10	0	0	0	2	2	2	2	0	266	0	0	0	0	0	0	0	0	0
March 2048	88	4	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0
March 2049	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average																				
Life (years)	29.4	23.7	8.1	2.4	0.7	26.3	20.7	20.7	20.7	11.2	28.9	19.3	7.0	7.0	1.9	15.8	5.1	5.0	5.0	3.1

Security Group 3 PSA Prepayment Assumption Rates																				
Distribution Date	Class NB					Classes NF and NS					Class NK					Class NQ				
	0%	150%	270%	300%	600%	0%	150%	270%	300%	600%	0%	150%	270%	300%	600%	0%	150%	270%	300%	600%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
March 2020	99	95	95	95	95	100	100	100	100	100	100	100	90	90	90	100	100	100	100	100
March 2021	97	85	85	85	84	100	100	100	100	82	100	100	68	68	0	100	100	100	100	100
March 2022	95	73	73	73	53	100	100	85	82	52	100	100	42	42	0	100	100	100	100	100
March 2023	94	62	61	61	32	100	89	70	66	33	100	100	24	24	0	100	100	100	100	100
March 2024	92	52	51	51	20	100	80	58	53	21	100	100	11	11	0	100	100	100	100	100
March 2025	90	43	42	42	11	100	71	47	43	13	100	100	3	3	0	100	100	100	100	100
March 2026	87	35	34	34	6	100	63	39	34	8	100	100	0	0	0	100	100	100	100	59
March 2027	85	28	27	27	3	100	56	32	27	5	100	100	0	0	0	100	100	100	100	29
March 2028	83	21	21	21	1	100	50	26	22	3	100	100	0	0	0	100	100	100	100	11
March 2029	80	16	16	16	0	100	44	21	18	2	100	94	0	0	0	100	100	100	100	0
March 2030	77	13	13	13	0	100	39	17	14	1	100	85	0	0	0	100	100	100	100	0
March 2031	74	9	9	9	0	100	34	14	11	1	100	75	0	0	0	100	88	88	88	0
March 2032	71	7	7	7	0	97	30	11	9	0	100	65	0	0	0	100	66	66	66	0
March 2033	68	5	5	5	0	94	27	9	7	0	100	54	0	0	0	100	48	48	48	0
March 2034	64	4	4	4	0	91	23	7	5	0	100	43	0	0	0	100	33	33	33	0
March 2035	60	2	2	2	0	87	20	6	4	0	100	33	0	0	0	100	22	22	22	0
March 2036	56	1	1	1	0	83	17	5	3	0	100	23	0	0	0	100	12	12	12	0
March 2037	52	1	1	1	0	79	15	4	3	0	100	13	0	0	0	100	5	5	5	0
March 2038	47	0	0	0	0	74	13	3	2	0	100	4	0	0	0	100	0	0	0	0
March 2039	42	0	0	0	0	70	11	2	2	0	100	0	0	0	0	100	0	0	0	0
March 2040	36	0	0	0	0	64	9	2	1	0	100	0	0	0	0	100	0	0	0	0
March 2041	31	0	0	0	0	59	7	1	1	0	100	0	0	0	0	100	0	0	0	0
March 2042	25	0	0	0	0	53	6	1	1	0	100	0	0	0	0	100	0	0	0	0
March 2043	18	0	0	0	0	47	5	1	0	0	100	0	0	0	0	100	0	0	0	0
March 2044	11	0	0	0	0	40	4	1	0	0	100	0	0	0	0	100	0	0	0	0
March 2045	4	0	0	0	0	33	3	0	0	0	100	0	0	0	0	34	0	0	0	0
March 2046	0	0	0	0	0	26	2	0	0	0	88	0	0	0	0	0	0	0	0	0
March 2047	0	0	0	0	0	18	1	0	0	0	43	0	0	0	0	0	0	0	0	0
March 2048	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0
March 2049	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average																				
Life (years)	16.9	6.1	6.0	6.0	3.6	22.8	10.7	7.1	6.6	3.7	27.9	14.4	2.9	2.9	1.5	25.8	14.3	14.3	14.3	7.5

PSA Prepayment Assumption Rates																				
Distribution Date	Class NT					Class NU					Class NW					Class NZ				
	0%	150%	270%	300%	600%	0%	150%	270%	300%	600%	0%	150%	270%	300%	600%	0%	150%	270%	300%	600%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
March 2020	99	96	94	94	88	100	100	94	87	23	100	100	100	100	100	104	104	104	104	104
March 2021	98	89	82	81	66	100	100	80	60	0	100	100	100	100	100	107	107	107	107	0
March 2022	96	80	68	65	42	100	100	65	31	0	100	100	100	100	100	111	111	111	111	0
March 2023	95	71	56	53	26	100	100	55	13	0	100	100	100	100	100	115	115	115	115	0
March 2024	94	64	46	42	16	100	100	50	3	0	100	100	100	100	100	119	119	119	119	0
March 2025	92	57	38	34	10	100	100	48	0	0	100	100	100	100	100	123	123	123	123	0
March 2026	90	51	31	27	6	100	100	47	0	0	100	100	100	100	100	128	128	124	124	0
March 2027	89	45	25	22	4	100	100	44	0	0	100	100	100	100	100	132	132	0	0	0
March 2028	87	40	21	18	3	100	100	41	0	0	100	100	100	100	100	137	137	0	0	0
March 2029	85	35	17	14	2	100	100	37	0	0	100	100	100	100	97	142	142	0	0	0
March 2030	83	31	14	11	1	100	100	33	0	0	100	100	100	100	60	147	147	0	0	0
March 2031	80	28	11	9	1	100	100	30	0	0	100	100	100	100	37	152	152	0	0	0
March 2032	78	24	9	7	0	100	100	26	0	0	100	100	100	100	23	158	158	0	0	0
March 2033	75	21	7	6	0	100	100	22	0	0	100	100	100	100	14	163	163	0	0	0
March 2034	73	18	6	4	0	100	100	19	0	0	100	100	100	100	9	169	169	0	0	0
March 2035	70	16	5	3	0	100	100	16	0	0	100	100	100	100	5	175	175	0	0	0
March 2036	66	14	4	3	0	100	100	14	0	0	100	100	100	100	3	181	181	0	0	0
March 2037	63	12	3	2	0	100	100	11	0	0	100	100	100	100	2	188	188	0	0	0
March 2038	59	10	2	2	0	100	100	9	0	0	100	97	97	97	1	194	194	0	0	0
March 2039	56	9	2	1	0	100	93	8	0	0	100	74	74	74	1	201	0	0	0	0
March 2040	52	7	1	1	0	100	79	6	0	0	100	56	56	56	0	208	0	0	0	0
March 2041	47	6	1	1	0	100	66	5	0	0	100	42	42	42	0	216	0	0	0	0
March 2042	43	5	1	0	0	100	55	4	0	0	100	31	31	31	0	223	0	0	0	0
March 2043	38	4	1	0	0	100	44	3	0	0	100	22	22	22	0	231	0	0	0	0
March 2044	32	3	0	0	0	100	34	2	0	0	100	15	15	15	0	240	0	0	0	0
March 2045	27	2	0	0	0	100	26	1	0	0	100	10	10	10	0	248	0	0	0	0
March 2046	21	2	0	0	0	100	18	1	0	0	6	6	6	6	0	257	0	0	0	0
March 2047	14	1	0	0	0	100	11	0	0	0	3	3	3	3	0	266	0	0	0	0
March 2048	7	0	0	0	0	92	5	0	0	0	1	1	1	1	0	0	0	0	0	0
March 2049	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	8.9	6.0	5.5	3.2	29.5	23.8	8.2	2.5	0.7	26.7	22.1	22.1	22.1	12.0	28.9	19.6	7.1	7.1	2.0

Security Group 3 PSA Prepayment Assumption Rates																				
Distribution Date	Class SC					Class SD					Class ZM					Class ZN				
	0%	150%	270%	300%	600%	0%	150%	270%	300%	600%	0%	150%	270%	300%	600%	0%	150%	270%	300%	600%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
March 2020	100	100	100	100	100	99	96	94	93	88	104	104	104	104	104	104	104	104	104	104
March 2021	100	100	100	100	81	98	89	82	80	65	107	107	107	107	0	107	107	107	107	0
March 2022	100	99	85	81	51	96	79	68	65	41	111	111	111	111	0	111	111	111	111	0
March 2023	100	89	70	65	32	95	71	56	52	26	115	115	115	115	0	115	115	115	115	0
March 2024	100	79	57	53	20	93	63	46	42	16	119	119	119	119	0	119	119	119	119	0
March 2025	100	71	47	42	13	92	56	38	34	10	123	123	123	123	117	0	123	123	123	0
March 2026	100	63	39	34	8	90	50	31	27	6	128	128	128	128	61	0	128	128	128	75
March 2027	100	56	32	27	5	88	45	25	22	4	132	132	132	132	2	0	132	132	132	9
March 2028	100	50	26	22	3	86	40	21	17	2	137	137	137	137	2	0	137	137	137	9
March 2029	100	44	21	17	2	84	35	17	14	2	142	142	142	142	2	0	142	142	142	9
March 2030	100	39	17	14	1	82	31	14	11	1	147	147	147	147	2	0	147	147	147	9
March 2031	100	34	14	11	1	80	27	11	9	1	152	152	152	152	2	0	152	152	152	9
March 2032	97	30	11	9	0	77	24	9	7	0	158	158	158	158	2	0	158	158	158	9
March 2033	93	26	9	7	0	75	21	7	5	0	163	163	163	163	2	0	163	163	163	9
March 2034	90	23	7	5	0	72	18	6	4	0	169	169	169	169	2	0	169	169	169	9
March 2035	86	20	6	4	0	69	16	5	3	0	175	175	175	175	2	0	175	175	175	9
March 2036	82	17	5	3	0	66	14	4	3	0	181	181	181	181	2	0	181	181	181	9
March 2037	78	15	4	3	0	62	12	3	2	0	188	188	188	188	2	0	188	188	188	9
March 2038	74	13	3	2	0	59	10	2	2	0	194	194	194	194	2	0	194	194	194	9
March 2039	69	11	2	1	0	55	8	2	1	0	201	201	201	201	2	0	201	201	201	9
March 2040	64	9	2	1	0	51	7	1	1	0	208	208	208	208	2	0	208	208	208	9
March 2041	58	7	1	1	0	47	6	1	1	0	216	216	216	216	2	0	216	216	216	9
March 2042	52	6	1	1	0	42	5	1	0	0	223	223	223	223	2	0	223	223	223	9
March 2043	46	5	1	0	0	37	4	1	0	0	231	231	231	231	2	0	231	231	231	9
March 2044	40	4	1	0	0	32	3	0	0	0	240	240	240	240	2	0	240	240	240	9
March 2045	33	3	0	0	0	26	2	0	0	0	248	248	248	248	2	0	248	248	248	9
March 2046	25	2	0	0	0	20	1	0	0	0	257	257	257	257	2	0	257	257	257	9
March 2047	17	1	0	0	0	14	1	0	0	0	266	266	266	266	2	0	266	266	266	9
March 2048	9	0	0	0	0	7	0	0	0	0	276	276	276	276	2	0	276	276	276	9
March 2049	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average																				
Life (years)	22.7	10.6	7.1	6.5	3.7	19.5	8.9	5.9	5.5	3.1	30.0	29.7	29.6	6.8	1.1	30.0	29.8	29.6	8.5	1.2

Security Group 4 PSA Prepayment Assumption Rates															
Distribution Date	Classes DA, DB, DC, DE, DG, DH, DI, DJ, DK, DL and LA					Classes LF, LM and LS					Class LV				
	0%	100%	210%	350%	500%	0%	100%	210%	350%	500%	0%	100%	210%	350%	500%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
March 2020	98	95	92	88	83	99	96	94	91	87	93	93	93	93	93
March 2021	97	87	78	67	55	97	90	83	74	65	85	85	85	85	85
March 2022	95	78	63	45	29	96	83	71	58	45	77	77	77	77	77
March 2023	93	70	50	28	10	95	77	61	45	31	69	69	69	69	69
March 2024	91	62	38	15	0	93	71	52	35	21	60	60	60	60	38
March 2025	89	55	28	5	0	91	65	45	27	15	51	51	51	51	0
March 2026	87	48	20	0	0	90	60	38	21	10	42	42	42	13	0
March 2027	84	41	13	0	0	88	55	33	16	7	33	33	33	0	0
March 2028	82	35	6	0	0	86	50	28	12	5	23	23	23	0	0
March 2029	79	30	1	0	0	84	46	24	9	3	13	13	13	0	0
March 2030	76	24	0	0	0	81	42	20	7	2	2	2	0	0	0
March 2031	73	19	0	0	0	79	38	17	5	1	0	0	0	0	0
March 2032	70	15	0	0	0	77	34	14	4	1	0	0	0	0	0
March 2033	66	10	0	0	0	74	31	12	3	1	0	0	0	0	0
March 2034	62	6	0	0	0	71	28	10	2	0	0	0	0	0	0
March 2035	59	3	0	0	0	68	25	8	2	0	0	0	0	0	0
March 2036	54	0	0	0	0	65	22	7	1	0	0	0	0	0	0
March 2037	50	0	0	0	0	61	20	6	1	0	0	0	0	0	0
March 2038	45	0	0	0	0	58	17	5	1	0	0	0	0	0	0
March 2039	40	0	0	0	0	54	15	4	1	0	0	0	0	0	0
March 2040	35	0	0	0	0	50	13	3	0	0	0	0	0	0	0
March 2041	30	0	0	0	0	46	11	2	0	0	0	0	0	0	0
March 2042	24	0	0	0	0	41	9	2	0	0	0	0	0	0	0
March 2043	17	0	0	0	0	36	7	1	0	0	0	0	0	0	0
March 2044	11	0	0	0	0	31	6	1	0	0	0	0	0	0	0
March 2045	3	0	0	0	0	26	4	1	0	0	0	0	0	0	0
March 2046	0	0	0	0	0	20	3	0	0	0	0	0	0	0	0
March 2047	0	0	0	0	0	14	2	0	0	0	0	0	0	0	0
March 2048	0	0	0	0	0	7	1	0	0	0	0	0	0	0	0
March 2049	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average															
Life (years)	16.6	7.3	4.4	3.0	2.3	19.3	10.7	6.9	4.7	3.5	6.0	6.0	5.9	5.0	4.1

**Security Group 4
PSA Prepayment Assumption Rates**

Distribution Date	Class LY					Class LZ				
	0%	100%	210%	350%	500%	0%	100%	210%	350%	500%
Initial Percent	100	100	100	100	100	100	100	100	100	100
March 2020	100	100	100	100	100	104	104	104	104	104
March 2021	100	100	100	100	100	107	107	107	107	107
March 2022	100	100	100	100	100	111	111	111	111	111
March 2023	100	100	100	100	100	115	115	115	115	115
March 2024	100	100	100	100	93	119	119	119	119	119
March 2025	100	100	100	100	64	123	123	123	123	94
March 2026	100	100	100	90	43	128	128	128	128	64
March 2027	100	100	100	70	30	132	132	132	103	44
March 2028	100	100	100	54	20	137	137	137	79	30
March 2029	100	100	100	41	14	142	142	142	61	20
March 2030	100	100	87	31	9	147	147	129	47	14
March 2031	100	100	74	24	6	148	148	109	36	9
March 2032	100	100	62	18	4	148	148	92	27	6
March 2033	100	100	52	14	3	148	148	77	20	4
March 2034	100	100	43	10	2	148	148	64	15	3
March 2035	100	100	36	8	1	148	148	53	12	2
March 2036	100	97	30	6	1	148	143	44	9	1
March 2037	100	85	25	4	1	148	127	36	6	1
March 2038	100	75	20	3	0	148	111	30	5	1
March 2039	100	65	16	2	0	148	97	24	3	0
March 2040	100	56	13	2	0	148	83	19	3	0
March 2041	100	48	10	1	0	148	71	15	2	0
March 2042	100	40	8	1	0	148	59	12	1	0
March 2043	100	32	6	1	0	148	48	9	1	0
March 2044	100	25	4	0	0	148	38	7	1	0
March 2045	100	19	3	0	0	148	28	5	0	0
March 2046	86	13	2	0	0	128	19	3	0	0
March 2047	59	8	1	0	0	88	11	2	0	0
March 2048	30	2	0	0	0	45	4	0	0	0
March 2049	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	28.3	22.2	15.4	10.3	7.4	28.3	22.2	15.6	10.9	8.0

**Security Group 5
PSA Prepayment Assumption Rates**

Distribution Date	Classes AI, AP, AQ and AT					Class GA					Class GE					Class GT				
	0%	175%	225%	275%	500%	0%	175%	225%	275%	500%	0%	175%	225%	275%	500%	0%	175%	225%	275%	500%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
March 2020	98	93	93	93	93	98	93	93	93	93	100	100	100	100	100	100	100	17	17	17
March 2021	97	82	82	82	76	96	81	81	81	75	100	100	100	100	100	100	100	2	2	0
March 2022	95	70	70	70	52	94	69	69	69	50	100	100	100	100	100	100	100	81	2	0
March 2023	93	59	59	59	36	92	58	58	58	33	100	100	100	100	100	100	100	64	2	0
March 2024	91	50	50	50	25	90	48	48	48	21	100	100	100	100	100	100	100	50	2	0
March 2025	88	42	42	42	17	88	39	39	39	13	100	100	100	100	100	100	100	37	2	0
March 2026	86	34	34	34	12	85	31	31	31	8	100	100	100	100	100	100	100	22	2	0
March 2027	84	28	28	28	8	83	25	25	25	4	100	100	100	100	100	100	100	2	2	0
March 2028	81	23	23	23	5	80	19	19	19	1	100	100	100	100	100	100	100	2	2	0
March 2029	78	18	18	18	4	77	15	15	15	0	100	100	100	100	85	100	100	2	2	0
March 2030	75	15	15	15	3	74	11	11	11	0	100	100	100	100	58	100	100	2	2	0
March 2031	72	12	12	12	2	71	8	8	8	0	100	100	100	100	39	100	100	2	2	0
March 2032	69	10	10	10	1	68	6	6	6	0	100	100	100	100	26	100	100	2	2	0
March 2033	66	8	8	8	1	64	4	4	4	0	100	100	100	100	18	100	100	2	2	0
March 2034	62	6	6	6	1	60	2	2	2	0	100	100	100	100	12	100	100	2	2	0
March 2035	58	5	5	5	0	56	1	1	1	0	100	100	100	100	8	100	100	2	2	0
March 2036	54	4	4	4	0	52	0	0	0	0	100	90	90	90	5	100	100	2	2	0
March 2037	50	3	3	3	0	48	0	0	0	0	100	71	71	71	3	100	100	2	2	0
March 2038	46	2	2	2	0	43	0	0	0	0	100	56	56	56	2	100	100	2	2	0
March 2039	41	2	2	2	0	38	0	0	0	0	100	43	43	43	1	100	100	2	2	0
March 2040	36	1	1	1	0	33	0	0	0	0	100	33	33	33	1	100	100	2	1	0
March 2041	31	1	1	1	0	28	0	0	0	0	100	25	25	25	1	100	100	2	1	0
March 2042	25	1	1	1	0	22	0	0	0	0	100	18	18	18	0	100	100	2	2	0
March 2043	19	1	1	1	0	16	0	0	0	0	100	13	13	13	0	100	100	2	2	0
March 2044	13	0	0	0	0	9	0	0	0	0	100	9	9	9	0	100	100	2	2	0
March 2045	7	0	0	0	0	2	0	0	0	0	100	6	6	6	0	100	100	2	2	0
March 2046	0	0	0	0	0	0	0	0	0	0	4	4	4	4	0	2	2	2	0	0
March 2047	0	0	0	0	0	0	0	0	0	0	2	2	2	2	0	2	2	2	0	0
March 2048	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	0	0
March 2049	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	16.7	6.2	6.2	6.2	3.9	16.2	5.6	5.6	5.6	3.5	26.7	20.2	20.2	20.2	12.1	27.0	5.5	1.0	0.8	0.4

Security Group 6 PSA Prepayment Assumption Rates															
Distribution Date	Classes AK, CP, CQ and ID					Class AV					Class AZ				
	0%	200%	240%	300%	500%	0%	200%	240%	300%	500%	0%	200%	240%	300%	500%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
March 2020	99	94	93	92	88	93	93	93	93	93	104	104	104	104	104
March 2021	97	83	81	77	65	85	85	85	85	85	107	107	107	107	107
March 2022	95	70	65	59	40	77	77	77	77	77	111	111	111	111	111
March 2023	94	58	52	44	22	69	69	69	69	69	115	115	115	115	115
March 2024	92	48	41	32	9	60	60	60	60	60	119	119	119	119	119
March 2025	90	39	31	22	1	51	51	51	51	51	123	123	123	123	123
March 2026	88	31	23	14	0	42	42	42	42	0	128	128	128	128	128
March 2027	86	24	17	8	0	33	33	33	33	0	132	132	132	132	100
March 2028	83	18	11	3	0	23	23	23	23	0	137	137	137	137	68
March 2029	81	13	6	0	0	13	13	13	0	0	142	142	142	142	46
March 2030	78	8	2	0	0	2	2	2	0	0	147	147	147	147	31
March 2031	75	4	0	0	0	0	0	0	0	0	152	152	152	118	21
March 2032	72	1	0	0	0	0	0	0	0	0	158	158	155	93	14
March 2033	69	0	0	0	0	0	0	0	0	0	163	163	128	73	10
March 2034	66	0	0	0	0	0	0	0	0	0	169	153	104	58	6
March 2035	62	0	0	0	0	0	0	0	0	0	175	129	85	45	4
March 2036	59	0	0	0	0	0	0	0	0	0	181	107	69	35	3
March 2037	55	0	0	0	0	0	0	0	0	0	188	89	56	27	2
March 2038	50	0	0	0	0	0	0	0	0	0	194	73	45	21	1
March 2039	46	0	0	0	0	0	0	0	0	0	201	60	35	16	1
March 2040	41	0	0	0	0	0	0	0	0	0	203	48	28	12	1
March 2041	36	0	0	0	0	0	0	0	0	0	203	38	22	9	0
March 2042	31	0	0	0	0	0	0	0	0	0	203	30	16	6	0
March 2043	25	0	0	0	0	0	0	0	0	0	203	23	12	5	0
March 2044	19	0	0	0	0	0	0	0	0	0	203	17	9	3	0
March 2045	12	0	0	0	0	0	0	0	0	0	203	12	6	2	0
March 2046	6	0	0	0	0	0	0	0	0	0	203	8	4	1	0
March 2047	0	0	0	0	0	0	0	0	0	0	184	4	2	1	0
March 2048	0	0	0	0	0	0	0	0	0	0	95	2	1	0	0
March 2049	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	17.6	5.4	4.8	4.0	2.8	6.0	6.0	6.0	5.9	4.8	28.9	19.3	17.5	15.1	9.9

Distribution Date	PSA Prepayment Assumption Rates																			
	Classes CB, CD, CE, CG, CH, CJ, CK, CL, CM, CN, HA and IC					Classes HF and HS					Class HT					Class HY				
	0%	200%	240%	300%	500%	0%	200%	240%	300%	500%	0%	200%	240%	300%	500%	0%	200%	240%	300%	500%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
March 2020	99	94	94	94	94	99	95	94	93	90	99	95	94	93	90	100	100	100	100	100
March 2021	97	83	83	83	81	97	86	84	81	70	97	86	84	81	70	100	100	100	100	100
March 2022	95	69	69	69	55	96	74	71	65	49	96	74	71	65	49	100	100	100	100	100
March 2023	93	57	57	57	36	95	64	59	52	33	95	64	59	52	33	100	100	100	100	100
March 2024	92	46	46	46	24	93	55	50	42	23	93	55	50	42	23	100	100	100	100	100
March 2025	90	37	37	37	15	91	48	42	34	16	91	48	42	34	16	100	100	100	100	100
March 2026	87	29	29	29	9	90	41	35	27	11	90	41	35	27	11	100	100	100	100	100
March 2027	85	22	22	22	5	88	35	29	22	7	88	35	29	22	7	100	100	100	100	100
March 2028	83	17	17	17	2	86	30	24	17	5	86	30	24	17	5	100	100	100	100	100
March 2029	80	12	12	12	0	84	26	20	14	3	84	26	20	14	3	100	100	100	100	97
March 2030	78	9	9	9	0	81	22	17	11	2	81	22	17	11	2	100	100	100	100	66
March 2031	75	6	6	6	0	79	19	14	9	2	79	19	14	9	2	100	100	100	100	44
March 2032	72	4	4	4	0	77	16	11	7	1	77	16	11	7	1	100	100	100	100	30
March 2033	68	2	2	2	0	74	13	9	5	1	74	13	9	5	1	100	100	100	100	20
March 2034	65	1	1	1	0	71	11	8	4	0	71	11	8	4	0	100	100	100	100	13
March 2035	61	0	0	0	0	68	9	6	3	0	68	9	6	3	0	100	94	94	94	9
March 2036	57	0	0	0	0	65	8	5	3	0	65	8	5	3	0	100	73	73	73	6
March 2037	53	0	0	0	0	61	7	4	2	0	61	7	4	2	0	100	56	56	56	4
March 2038	49	0	0	0	0	58	5	3	2	0	58	5	3	2	0	100	43	43	43	3
March 2039	44	0	0	0	0	54	4	3	1	0	54	4	3	1	0	100	33	33	33	2
March 2040	39	0	0	0	0	50	4	2	1	0	50	4	2	1	0	100	25	25	25	1
March 2041	34	0	0	0	0	46	3	2	1	0	46	3	2	1	0	100	18	18	18	1
March 2042	29	0	0	0	0	41	2	1	0	0	41	2	1	0	0	100	13	13	13	0
March 2043	23	0	0	0	0	36	2	1	0	0	36	2	1	0	0	100	10	10	10	0
March 2044	16	0	0	0	0	31	1	1	0	0	31	1	1	0	0	100	7	7	7	0
March 2045	10	0	0	0	0	26	1	0	0	0	26	1	0	0	0	100	4	4	4	0
March 2046	3	0	0	0	0	20	1	0	0	0	20	1	0	0	0	100	3	3	3	0
March 2047	0	0	0	0	0	14	0	0	0	0	14	0	0	0	0	1	1	1	1	0
March 2048	0	0	0	0	0	7	0	0	0	0	7	0	0	0	0	0	0	0	0	0
March 2049	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	17.3	5.4	5.4	5.4	3.7	19.3	7.4	6.5	5.5	3.7	19.3	7.4	6.5	5.5	3.7	27.7	19.3	19.3	19.3	12.5

Security Group 6 PSA Prepayment Assumption Rates															
Distribution Date	Classes UA, UB and UC					Class UZ					Class VA				
	0%	200%	240%	300%	500%	0%	200%	240%	300%	500%	0%	200%	240%	300%	500%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
March 2020	100	100	95	88	64	104	104	104	104	104	100	100	100	100	100
March 2021	100	100	85	62	0	107	107	107	107	0	100	100	100	100	100
March 2022	100	100	73	34	0	111	111	111	111	0	100	100	100	100	100
March 2023	100	100	65	15	0	115	115	115	115	0	100	100	100	100	100
March 2024	100	100	60	5	0	119	119	119	119	0	100	100	100	100	100
March 2025	100	100	57	1	0	123	123	123	123	0	100	100	100	100	100
March 2026	100	100	56	0	0	128	128	128	0	0	100	100	100	100	33
March 2027	100	97	53	0	0	132	132	132	0	0	100	100	100	100	0
March 2028	100	92	50	0	0	137	137	137	0	0	100	100	100	100	0
March 2029	100	86	46	0	0	142	142	142	0	0	100	100	100	83	0
March 2030	100	79	41	0	0	147	147	147	0	0	100	100	100	3	0
March 2031	100	72	37	0	0	152	152	152	0	0	93	93	66	0	0
March 2032	100	64	33	0	0	158	158	158	0	0	83	83	0	0	0
March 2033	100	57	28	0	0	163	163	163	0	0	73	35	0	0	0
March 2034	100	50	25	0	0	169	169	169	0	0	62	0	0	0	0
March 2035	100	44	21	0	0	175	175	175	0	0	51	0	0	0	0
March 2036	100	38	18	0	0	181	181	181	0	0	40	0	0	0	0
March 2037	100	33	15	0	0	188	188	188	0	0	28	0	0	0	0
March 2038	100	28	13	0	0	194	194	194	0	0	16	0	0	0	0
March 2039	100	23	10	0	0	201	201	201	0	0	3	0	0	0	0
March 2040	100	19	8	0	0	208	208	208	0	0	0	0	0	0	0
March 2041	100	16	7	0	0	216	216	216	0	0	0	0	0	0	0
March 2042	100	12	5	0	0	223	223	223	0	0	0	0	0	0	0
March 2043	100	10	4	0	0	231	231	231	0	0	0	0	0	0	0
March 2044	100	7	3	0	0	240	240	240	0	0	0	0	0	0	0
March 2045	100	5	2	0	0	248	248	248	0	0	0	0	0	0	0
March 2046	100	3	1	0	0	257	257	257	0	0	0	0	0	0	0
March 2047	96	2	1	0	0	266	266	266	0	0	0	0	0	0	0
March 2048	50	1	0	0	0	276	276	276	0	0	0	0	0	0	0
March 2049	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average															
Life (years)	29.0	15.9	9.6	2.6	1.2	30.0	29.6	29.6	6.5	1.9	16.0	13.6	12.2	10.4	6.9

Security Group 7 PSA Prepayment Assumption Rates					
Distribution Date	Classes IO, PO and PS				
	0%	100%	210%	350%	500%
Initial Percent	100	100	100	100	100
March 2020	100	100	90	68	32
March 2021	100	100	74	8	0
March 2022	100	100	60	0	0
March 2023	100	100	50	0	0
March 2024	100	100	44	0	0
March 2025	100	100	40	0	0
March 2026	100	100	38	0	0
March 2027	100	100	36	0	0
March 2028	100	100	34	0	0
March 2029	100	100	31	0	0
March 2030	100	100	27	0	0
March 2031	100	100	24	0	0
March 2032	100	100	20	0	0
March 2033	100	100	16	0	0
March 2034	100	100	14	0	0
March 2035	100	100	13	0	0
March 2036	100	100	11	0	0
March 2037	100	100	9	0	0
March 2038	100	93	8	0	0
March 2039	100	86	7	0	0
March 2040	100	76	5	0	0
March 2041	100	63	4	0	0
March 2042	100	51	4	0	0
March 2043	100	39	3	0	0
March 2044	100	28	2	0	0
March 2045	100	17	1	0	0
March 2046	92	11	1	0	0
March 2047	49	5	0	0	0
March 2048	4	1	0	0	0
March 2049	0	0	0	0	0
Weighted Average					
Life (years)	28.0	23.2	7.2	1.3	0.8

**Security Group 8
PSA Prepayment Assumption Rates**

Distribution Date	Class F					Class TI				
	0%	100%	210%	350%	500%	0%	100%	210%	350%	500%
Initial Percent	100	100	100	100	100	100	100	100	100	100
March 2020	93	84	74	62	50	97	91	85	77	68
March 2021	86	69	53	38	30	94	83	72	59	46
March 2022	79	55	39	29	20	91	76	61	45	31
March 2023	70	44	33	22	14	88	68	51	34	21
March 2024	62	40	28	17	9	84	62	43	26	14
March 2025	53	36	23	13	6	80	55	36	19	9
March 2026	49	32	19	9	4	76	49	30	15	6
March 2027	46	28	16	7	3	71	44	24	11	4
March 2028	43	25	13	5	2	67	38	20	8	3
March 2029	40	21	10	4	1	62	33	16	6	2
March 2030	36	18	8	3	1	56	28	13	4	1
March 2031	33	16	6	2	0	51	24	10	3	1
March 2032	29	13	5	1	0	44	20	8	2	0
March 2033	24	10	4	1	0	38	16	6	1	0
March 2034	20	8	3	1	0	31	12	4	1	0
March 2035	15	6	2	0	0	23	9	3	1	0
March 2036	10	3	1	0	0	15	5	2	0	0
March 2037	5	1	0	0	0	7	2	1	0	0
March 2038	0	0	0	0	0	0	0	0	0	0
March 2039	0	0	0	0	0	0	0	0	0	0
March 2040	0	0	0	0	0	0	0	0	0	0
Weighted Average										
Life (years)	8.4	5.6	3.9	2.6	1.9	11.3	7.7	5.3	3.6	2.6

**Security Group 9
PSA Prepayment Assumption Rates**

Distribution Date	Class JA					Class JB					Class JV					Class JW				
	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
March 2020	98	96	94	92	90	99	96	95	93	91	93	93	93	93	93	100	100	100	100	100
March 2021	97	89	82	76	69	97	90	84	78	73	85	85	85	85	85	100	100	100	100	100
March 2022	95	80	67	55	44	95	82	71	60	50	78	78	78	78	78	100	100	100	100	100
March 2023	93	71	53	38	24	94	74	59	45	33	69	69	69	69	69	100	100	100	100	100
March 2024	91	63	42	24	10	92	67	48	32	20	61	61	61	61	61	100	100	100	100	100
March 2025	89	55	31	13	0	90	60	39	22	10	52	52	52	52	52	100	100	100	100	90
March 2026	86	48	22	4	0	88	54	31	14	3	42	42	42	42	42	100	100	100	100	24
March 2027	84	41	14	0	0	86	48	24	8	0	33	33	33	33	0	100	100	100	70	0
March 2028	81	35	8	0	0	83	42	18	2	0	22	22	22	22	0	100	100	100	22	0
March 2029	78	29	2	0	0	81	37	13	0	0	12	12	12	0	0	100	100	100	0	0
March 2030	75	24	0	0	0	78	32	8	0	0	0	0	0	0	0	100	100	73	0	0
March 2031	72	19	0	0	0	75	27	4	0	0	0	0	0	0	0	100	100	37	0	0
March 2032	69	14	0	0	0	72	23	1	0	0	0	0	0	0	0	100	100	6	0	0
March 2033	65	9	0	0	0	69	19	0	0	0	0	0	0	0	0	100	100	0	0	0
March 2034	61	5	0	0	0	66	15	0	0	0	0	0	0	0	0	100	100	0	0	0
March 2035	57	1	0	0	0	62	12	0	0	0	0	0	0	0	0	100	100	0	0	0
March 2036	53	0	0	0	0	58	9	0	0	0	0	0	0	0	0	100	78	0	0	0
March 2037	49	0	0	0	0	54	5	0	0	0	0	0	0	0	0	100	50	0	0	0
March 2038	44	0	0	0	0	50	3	0	0	0	0	0	0	0	0	100	24	0	0	0
March 2039	39	0	0	0	0	45	0	0	0	0	0	0	0	0	0	100	0	0	0	0
March 2040	33	0	0	0	0	41	0	0	0	0	0	0	0	0	0	100	0	0	0	0
March 2041	28	0	0	0	0	36	0	0	0	0	0	0	0	0	0	100	0	0	0	0
March 2042	22	0	0	0	0	30	0	0	0	0	0	0	0	0	0	100	0	0	0	0
March 2043	15	0	0	0	0	24	0	0	0	0	0	0	0	0	0	100	0	0	0	0
March 2044	8	0	0	0	0	18	0	0	0	0	0	0	0	0	0	100	0	0	0	0
March 2045	1	0	0	0	0	12	0	0	0	0	0	0	0	0	0	100	0	0	0	0
March 2046	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	44	0	0	0	0
March 2047	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
March 2048	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
March 2049	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average																				
Life (years)	16.3	7.3	4.7	3.5	2.9	17.5	8.5	5.4	4.1	3.3	6.0	6.0	6.0	5.9	5.3	26.9	18.0	11.7	8.4	6.6

Security Group 9 PSA Prepayment Assumption Rates															
Distribution Date	Class JY					Class JZ					Class VJ				
	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
March 2020	100	100	100	100	100	105	105	105	105	105	100	100	100	100	100
March 2021	100	100	100	100	100	109	109	109	109	109	100	100	100	100	100
March 2022	100	100	100	100	100	114	114	114	114	114	100	100	100	100	100
March 2023	100	100	100	100	100	120	120	120	120	120	100	100	100	100	100
March 2024	100	100	100	100	100	125	125	125	125	125	100	100	100	100	100
March 2025	100	100	100	100	100	131	131	131	131	131	100	100	100	100	100
March 2026	100	100	100	100	100	137	137	137	137	137	100	100	100	100	100
March 2027	100	100	100	100	85	143	143	143	143	143	100	100	100	100	79
March 2028	100	100	100	100	63	150	150	150	150	150	100	100	100	100	7
March 2029	100	100	100	90	46	157	157	157	157	115	100	100	100	80	0
March 2030	100	100	100	72	34	164	164	164	164	85	100	100	100	17	0
March 2031	100	100	100	57	25	171	171	171	141	62	91	91	91	0	0
March 2032	100	100	100	45	18	179	179	179	112	46	82	82	82	0	0
March 2033	100	100	87	35	13	188	188	188	88	33	72	72	35	0	0
March 2034	100	100	74	28	10	196	196	183	69	24	62	62	0	0	0
March 2035	100	100	62	22	7	205	205	153	54	18	51	51	0	0	0
March 2036	100	100	51	17	5	215	215	128	42	13	40	40	0	0	0
March 2037	100	100	43	13	4	224	224	106	32	9	29	29	0	0	0
March 2038	100	100	35	10	3	235	235	87	25	6	16	16	0	0	0
March 2039	100	99	29	8	2	246	246	71	19	5	4	2	0	0	0
March 2040	100	86	23	6	1	248	213	58	14	3	0	0	0	0	0
March 2041	100	73	19	4	1	248	182	46	11	2	0	0	0	0	0
March 2042	100	61	15	3	1	248	152	36	8	1	0	0	0	0	0
March 2043	100	50	11	2	0	248	125	28	6	1	0	0	0	0	0
March 2044	100	40	8	2	0	248	99	21	4	1	0	0	0	0	0
March 2045	100	30	6	1	0	248	76	15	3	0	0	0	0	0	0
March 2046	100	21	4	1	0	248	53	10	2	0	0	0	0	0	0
March 2047	87	13	2	0	0	215	33	6	1	0	0	0	0	0	0
March 2048	45	5	1	0	0	111	14	2	0	0	0	0	0	0	0
March 2049	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	28.9	24.3	18.2	13.7	10.7	28.9	24.4	19.4	15.3	12.3	16.0	16.0	13.6	10.5	8.4

Security Group 10 PSA Prepayment Assumption Rates																				
Distribution Date	Class KA					Class KB					Class KV					Class KW				
	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
March 2020	98	96	94	92	89	98	96	94	93	91	93	93	93	93	93	100	100	100	100	100
March 2021	96	88	81	74	67	97	90	83	77	71	85	85	85	85	85	100	100	100	100	100
March 2022	94	79	65	53	41	95	81	69	58	48	77	77	77	77	77	100	100	100	100	100
March 2023	92	69	51	35	21	93	73	56	42	30	69	69	69	69	69	100	100	100	100	100
March 2024	89	61	38	20	5	91	65	45	29	16	61	61	61	61	61	100	100	100	100	100
March 2025	87	53	27	8	0	89	58	36	19	6	52	52	52	52	52	100	100	100	100	52
March 2026	84	45	18	0	0	86	51	27	10	0	42	42	42	42	15	100	100	100	91	0
March 2027	82	38	10	0	0	84	45	20	4	0	33	33	33	33	0	100	100	100	31	0
March 2028	79	31	3	0	0	81	39	14	0	0	23	23	23	0	0	100	100	100	0	0
March 2029	76	25	0	0	0	78	34	9	0	0	12	12	12	0	0	100	100	74	0	0
March 2030	72	19	0	0	0	76	29	4	0	0	1	1	1	0	0	100	100	33	0	0
March 2031	69	14	0	0	0	73	24	0	0	0	0	0	0	0	0	100	100	0	0	0
March 2032	65	9	0	0	0	69	19	0	0	0	0	0	0	0	0	100	100	0	0	0
March 2033	62	4	0	0	0	66	15	0	0	0	0	0	0	0	0	100	100	0	0	0
March 2034	58	0	0	0	0	62	11	0	0	0	0	0	0	0	0	100	98	0	0	0
March 2035	53	0	0	0	0	59	8	0	0	0	0	0	0	0	0	100	66	0	0	0
March 2036	49	0	0	0	0	55	4	0	0	0	0	0	0	0	0	100	36	0	0	0
March 2037	44	0	0	0	0	50	1	0	0	0	0	0	0	0	0	100	9	0	0	0
March 2038	39	0	0	0	0	46	0	0	0	0	0	0	0	0	0	100	0	0	0	0
March 2039	34	0	0	0	0	41	0	0	0	0	0	0	0	0	0	100	0	0	0	0
March 2040	28	0	0	0	0	36	0	0	0	0	0	0	0	0	0	100	0	0	0	0
March 2041	22	0	0	0	0	31	0	0	0	0	0	0	0	0	0	100	0	0	0	0
March 2042	16	0	0	0	0	25	0	0	0	0	0	0	0	0	0	100	0	0	0	0
March 2043	9	0	0	0	0	20	0	0	0	0	0	0	0	0	0	100	0	0	0	0
March 2044	2	0	0	0	0	13	0	0	0	0	0	0	0	0	0	100	0	0	0	0
March 2045	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	59	0	0	0	0
March 2046	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
March 2047	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
March 2048	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
March 2049	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	15.5	6.8	4.4	3.3	2.7	16.7	7.9	5.1	3.8	3.1	6.0	6.0	6.0	5.7	5.1	26.2	16.6	10.6	7.7	6.1

Security Group 10 PSA Prepayment Assumption Rates															
Distribution Date	Class KY					Class KZ					Class VK				
	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
March 2020	100	100	100	100	100	104	104	104	104	104	100	100	100	100	100
March 2021	100	100	100	100	100	108	108	108	108	108	100	100	100	100	100
March 2022	100	100	100	100	100	113	113	113	113	113	100	100	100	100	100
March 2023	100	100	100	100	100	117	117	117	117	117	100	100	100	100	100
March 2024	100	100	100	100	100	122	122	122	122	122	100	100	100	100	100
March 2025	100	100	100	100	100	127	127	127	127	127	100	100	100	100	100
March 2026	100	100	100	100	93	132	132	132	132	132	100	100	100	100	100
March 2027	100	100	100	100	69	138	138	138	138	138	100	100	100	100	25
March 2028	100	100	100	92	51	143	143	143	143	115	100	100	100	93	0
March 2029	100	100	100	73	38	149	149	149	149	84	100	100	100	23	0
March 2030	100	100	100	58	28	155	155	155	131	62	100	100	100	0	0
March 2031	100	100	99	46	20	161	161	161	103	46	92	92	88	0	0
March 2032	100	100	84	36	15	168	168	168	82	33	82	82	29	0	0
March 2033	100	100	71	29	11	175	175	159	64	24	72	72	0	0	0
March 2034	100	100	59	22	8	182	182	133	50	18	62	62	0	0	0
March 2035	100	100	50	17	6	189	189	112	39	13	51	51	0	0	0
March 2036	100	100	41	14	4	197	197	93	31	9	40	40	0	0	0
March 2037	100	100	34	10	3	205	205	77	24	7	28	28	0	0	0
March 2038	100	92	28	8	2	214	206	63	18	5	16	0	0	0	0
March 2039	100	80	23	6	1	222	179	52	14	3	3	0	0	0	0
March 2040	100	69	19	5	1	225	155	42	10	2	0	0	0	0	0
March 2041	100	59	15	3	1	225	132	33	8	2	0	0	0	0	0
March 2042	100	49	12	2	0	225	110	26	6	1	0	0	0	0	0
March 2043	100	40	9	2	0	225	90	20	4	1	0	0	0	0	0
March 2044	100	32	7	1	0	225	72	15	3	0	0	0	0	0	0
March 2045	100	24	5	1	0	225	55	11	2	0	0	0	0	0	0
March 2046	99	17	3	1	0	223	39	7	1	0	0	0	0	0	0
March 2047	68	11	2	0	0	153	24	4	1	0	0	0	0	0	0
March 2048	35	5	1	0	0	79	11	2	0	0	0	0	0	0	0
March 2049	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average															
Life (years)	28.5	23.3	17.1	12.8	10.0	28.5	23.6	18.5	14.4	11.6	16.0	15.8	12.6	9.6	7.7

Security Group 11 PSA Prepayment Assumption Rates					
Distribution Date	Class SY				
	0%	100%	200%	300%	400%
Initial Percent	100	100	100	100	100
March 2020	97	91	85	80	74
March 2021	94	83	73	63	54
March 2022	91	75	62	50	40
March 2023	87	68	52	40	29
March 2024	84	62	44	31	21
March 2025	80	55	37	24	15
March 2026	76	49	31	19	11
March 2027	72	44	26	15	8
March 2028	67	39	21	11	6
March 2029	63	34	17	9	4
March 2030	58	29	14	6	3
March 2031	52	25	11	5	2
March 2032	47	21	9	4	1
March 2033	41	17	7	3	1
March 2034	35	14	5	2	1
March 2035	29	11	4	1	0
March 2036	22	8	3	1	0
March 2037	15	5	2	0	0
March 2038	8	2	1	0	0
March 2039	2	1	0	0	0
March 2040	0	0	0	0	0
March 2041	0	0	0	0	0
March 2042	0	0	0	0	0
Weighted Average					
Life (years)	11.7	7.8	5.5	4.1	3.2

**Security Group 12
PSA Prepayment Assumption Rates**

Distribution Date	Classes EA, EB, ED, EG, EH, EK, EM, EN, EP and IE					Class ZE				
	0%	100%	240%	400%	500%	0%	100%	240%	400%	500%
Initial Percent	100	100	100	100	100	100	100	100	100	100
March 2020	99	92	83	74	68	105	105	105	105	105
March 2021	97	84	70	54	46	109	109	109	109	109
March 2022	96	77	58	40	31	114	114	114	114	114
March 2023	94	70	48	29	20	120	120	120	120	120
March 2024	92	64	39	21	13	125	125	125	125	125
March 2025	91	58	32	14	8	131	131	131	131	131
March 2026	89	53	26	10	4	137	137	137	137	137
March 2027	87	48	21	6	2	143	143	143	143	143
March 2028	85	43	17	4	0	150	150	150	150	150
March 2029	82	38	13	2	0	157	157	157	157	113
March 2030	80	34	10	0	0	164	164	164	164	75
March 2031	77	30	7	0	0	171	171	171	135	50
March 2032	75	26	5	0	0	179	179	179	97	33
March 2033	72	23	3	0	0	188	188	188	70	22
March 2034	69	19	2	0	0	196	196	196	49	14
March 2035	65	16	1	0	0	205	205	205	35	9
March 2036	62	13	0	0	0	215	215	184	24	6
March 2037	58	10	0	0	0	224	224	142	17	4
March 2038	54	8	0	0	0	235	235	109	11	2
March 2039	50	5	0	0	0	246	246	81	8	1
March 2040	46	3	0	0	0	257	257	59	5	1
March 2041	41	1	0	0	0	269	269	41	3	0
March 2042	36	0	0	0	0	281	225	26	2	0
March 2043	31	0	0	0	0	294	138	15	1	0
March 2044	26	0	0	0	0	307	57	5	0	0
March 2045	20	0	0	0	0	321	0	0	0	0
March 2046	14	0	0	0	0	336	0	0	0	0
March 2047	7	0	0	0	0	352	0	0	0	0
March 2048	0	0	0	0	0	368	0	0	0	0
March 2049	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	18.5	8.7	4.9	3.0	2.4	29.5	24.1	19.7	14.3	11.7

**Security Group 13
PSA Prepayment Assumption Rates**

Distribution Date	Classes HG, HI, HJ, HK, HM, HN and HP					Class HL					Class ZH				
	0%	210%	240%	450%	500%	0%	210%	240%	450%	500%	0%	210%	240%	450%	500%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
March 2020	97	93	93	93	93	100	100	100	100	100	105	105	103	88	85
March 2021	94	80	80	80	80	100	100	100	100	100	109	109	102	55	44
March 2022	91	63	63	63	63	100	100	100	100	100	114	114	102	20	3
March 2023	88	48	48	48	43	100	100	100	100	100	120	120	103	3	0
March 2024	84	35	35	35	30	100	100	100	100	100	125	125	106	0	0
March 2025	80	25	25	25	20	100	100	100	100	100	131	125	104	0	0
March 2026	76	17	17	17	13	100	100	100	100	100	137	120	99	0	0
March 2027	72	12	12	12	9	100	100	100	100	100	143	111	91	0	0
March 2028	68	8	8	8	6	100	100	100	100	100	150	101	81	0	0
March 2029	63	6	6	6	4	100	100	100	100	100	157	91	72	0	0
March 2030	58	4	4	4	2	100	100	100	100	100	164	80	62	0	0
March 2031	53	2	2	2	1	100	100	100	100	100	171	70	54	0	0
March 2032	48	1	1	1	0	100	100	100	100	100	179	61	46	0	0
March 2033	42	1	1	1	0	100	100	100	100	95	188	52	39	0	0
March 2034	36	0	0	0	0	100	100	100	100	64	196	45	32	0	0
March 2035	30	0	0	0	0	100	79	79	79	43	205	38	27	0	0
March 2036	23	0	0	0	0	100	55	55	55	28	215	32	22	0	0
March 2037	16	0	0	0	0	100	38	38	38	19	224	26	18	0	0
March 2038	8	0	0	0	0	100	26	26	26	12	235	22	15	0	0
March 2039	0	0	0	0	0	100	18	18	18	8	246	18	12	0	0
March 2040	0	0	0	0	0	12	12	12	12	5	231	14	9	0	0
March 2041	0	0	0	0	0	8	8	8	8	3	211	12	7	0	0
March 2042	0	0	0	0	0	5	5	5	5	2	190	9	6	0	0
March 2043	0	0	0	0	0	3	3	3	3	1	167	7	4	0	0
March 2044	0	0	0	0	0	2	2	2	2	1	143	5	3	0	0
March 2045	0	0	0	0	0	1	1	1	1	0	118	4	2	0	0
March 2046	0	0	0	0	0	1	1	1	1	0	91	2	1	0	0
March 2047	0	0	0	0	0	0	0	0	0	0	63	1	1	0	0
March 2048	0	0	0	0	0	0	0	0	0	0	32	1	0	0	0
March 2049	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	11.8	4.4	4.4	4.4	4.1	20.5	18.0	18.0	18.0	16.3	25.6	13.8	13.0	2.2	1.8

Security Group 14 PSA Prepayment Assumption Rates															
Distribution Date	Class HD					Class HE					Class HZ				
	0%	175%	300%	400%	600%	0%	175%	300%	400%	600%	0%	175%	300%	400%	600%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
March 2020	100	100	87	87	87	100	100	94	82	58	104	104	104	104	104
March 2021	100	100	61	61	39	100	100	83	49	0	107	107	107	107	0
March 2022	100	100	35	35	0	100	100	72	20	0	111	111	111	111	0
March 2023	100	100	16	16	0	100	100	66	6	0	115	115	115	115	0
March 2024	100	100	5	5	0	100	100	63	0	0	119	119	119	119	0
March 2025	100	100	0	0	0	100	100	61	0	0	123	123	123	0	0
March 2026	100	95	0	0	0	100	100	56	0	0	128	128	128	0	0
March 2027	100	84	0	0	0	100	100	51	0	0	132	132	132	0	0
March 2028	100	69	0	0	0	100	100	45	0	0	137	137	137	0	0
March 2029	100	51	0	0	0	100	100	39	0	0	142	142	142	0	0
March 2030	100	33	0	0	0	100	100	33	0	0	147	147	147	0	0
March 2031	100	15	0	0	0	100	100	28	0	0	152	152	152	0	0
March 2032	100	0	0	0	0	100	98	24	0	0	158	158	158	0	0
March 2033	100	0	0	0	0	100	86	20	0	0	163	163	163	0	0
March 2034	100	0	0	0	0	100	76	16	0	0	169	169	169	0	0
March 2035	100	0	0	0	0	100	66	13	0	0	175	175	175	0	0
March 2036	100	0	0	0	0	100	57	10	0	0	181	181	181	0	0
March 2037	100	0	0	0	0	100	48	8	0	0	188	188	188	0	0
March 2038	100	0	0	0	0	100	41	7	0	0	194	194	194	0	0
March 2039	100	0	0	0	0	100	34	5	0	0	201	201	201	0	0
March 2040	100	0	0	0	0	100	28	4	0	0	208	208	208	0	0
March 2041	100	0	0	0	0	100	23	3	0	0	216	216	216	0	0
March 2042	100	0	0	0	0	100	18	2	0	0	223	223	223	0	0
March 2043	100	0	0	0	0	100	14	1	0	0	231	231	231	0	0
March 2044	100	0	0	0	0	100	11	1	0	0	240	240	240	0	0
March 2045	89	0	0	0	0	100	8	1	0	0	248	248	248	0	0
March 2046	35	0	0	0	0	100	5	0	0	0	257	257	257	0	0
March 2047	0	0	0	0	0	85	3	0	0	0	266	266	266	0	0
March 2048	0	0	0	0	0	44	1	0	0	0	276	276	84	0	0
March 2049	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average															
Life (years)	26.7	10.0	2.5	2.5	1.7	28.8	18.7	8.6	2.1	1.1	30.0	29.4	28.8	5.8	1.8

PSA Prepayment Assumption Rates															
Distribution Date	Classes JC, JD, JE, JG, JH and JI					Classes JF and JS					Class JL				
	0%	175%	300%	400%	600%	0%	175%	300%	400%	600%	0%	175%	300%	400%	600%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
March 2020	99	93	93	93	93	99	95	92	90	86	100	100	100	100	100
March 2021	97	81	81	81	81	98	86	79	73	62	100	100	100	100	100
March 2022	95	66	66	66	55	97	76	64	55	39	100	100	100	100	100
March 2023	94	53	53	53	34	95	67	51	41	25	100	100	100	100	100
March 2024	92	42	42	42	21	94	59	41	31	15	100	100	100	100	100
March 2025	90	32	32	32	13	93	52	33	23	10	100	100	100	100	100
March 2026	87	23	23	23	8	91	45	27	17	6	100	100	100	100	100
March 2027	85	17	17	17	5	89	40	21	13	4	100	100	100	100	100
March 2028	82	12	12	12	3	88	35	17	9	2	100	100	100	100	100
March 2029	80	9	9	9	1	86	30	14	7	1	100	100	100	100	100
March 2030	77	6	6	6	0	84	26	11	5	1	100	100	100	100	100
March 2031	74	4	4	4	0	81	23	9	4	1	100	100	100	100	93
March 2032	70	3	3	3	0	79	20	7	3	0	100	100	100	100	58
March 2033	67	2	2	2	0	77	17	5	2	0	100	100	100	100	36
March 2034	63	1	1	1	0	74	15	4	1	0	100	100	100	100	22
March 2035	59	1	1	1	0	71	12	3	1	0	100	100	100	100	13
March 2036	54	0	0	0	0	68	11	3	1	0	100	100	100	100	8
March 2037	50	0	0	0	0	65	9	2	1	0	100	90	90	90	5
March 2038	45	0	0	0	0	61	8	2	0	0	100	64	64	64	3
March 2039	39	0	0	0	0	57	6	1	0	0	100	45	45	45	2
March 2040	33	0	0	0	0	53	5	1	0	0	100	32	32	32	1
March 2041	27	0	0	0	0	49	4	1	0	0	100	22	22	22	1
March 2042	20	0	0	0	0	44	3	0	0	0	100	15	15	15	0
March 2043	13	0	0	0	0	39	3	0	0	0	100	10	10	10	0
March 2044	6	0	0	0	0	34	2	0	0	0	100	6	6	6	0
March 2045	0	0	0	0	0	28	1	0	0	0	4	4	4	4	0
March 2046	0	0	0	0	0	21	1	0	0	0	2	2	2	2	0
March 2047	0	0	0	0	0	15	1	0	0	0	1	1	1	1	0
March 2048	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0
March 2049	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average															
Life (years)	16.5	5.0	5.0	5.0	3.6	19.9	8.0	5.4	4.3	3.0	25.8	20.4	20.4	20.4	13.9

Security Group 15 PSA Prepayment Assumption Rates															
Distribution Date	Classes A, B, BH, RJ, BK, BL, BM, BN, BP, BQ, BT, BW, CI, FE and SE					Classes AB, AC, AD, AE, AG, AH, AJ, AL, AM, AN, AW, CA and IA					Class CF				
	0%	250%	300%	350%	600%	0%	250%	300%	350%	600%	0%	250%	300%	350%	600%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
March 2020	98	94	94	94	94	98	94	94	94	94	99	95	94	93	90
March 2021	96	82	82	82	75	96	81	81	81	73	98	84	82	79	68
March 2022	95	66	66	66	48	94	64	64	64	45	96	71	67	62	43
March 2023	93	53	53	53	30	92	50	50	50	26	95	59	54	48	27
March 2024	90	42	42	42	19	90	38	38	38	14	94	50	43	38	17
March 2025	88	32	32	32	12	87	28	28	28	6	92	41	35	29	11
March 2026	86	25	25	25	7	85	20	20	20	1	90	34	28	22	7
March 2027	83	19	19	19	5	82	14	14	14	0	89	29	22	17	4
March 2028	80	15	15	15	3	79	9	9	9	0	87	24	18	13	3
March 2029	77	11	11	11	2	76	6	6	6	0	85	20	14	10	2
March 2030	74	9	9	9	1	73	3	3	3	0	83	16	11	8	1
March 2031	71	7	7	7	1	69	1	1	1	0	80	13	9	6	1
March 2032	68	5	5	5	0	66	0	0	0	0	78	11	7	5	0
March 2033	64	4	4	4	0	62	0	0	0	0	75	9	6	4	0
March 2034	60	3	3	3	0	57	0	0	0	0	73	7	4	3	0
March 2035	56	2	2	2	0	53	0	0	0	0	70	6	3	2	0
March 2036	51	2	2	2	0	48	0	0	0	0	66	5	3	2	0
March 2037	47	1	1	1	0	43	0	0	0	0	63	4	2	1	0
March 2038	42	1	1	1	0	38	0	0	0	0	59	3	2	1	0
March 2039	37	1	1	1	0	32	0	0	0	0	56	2	1	1	0
March 2040	31	0	0	0	0	26	0	0	0	0	52	2	1	0	0
March 2041	25	0	0	0	0	20	0	0	0	0	47	1	1	0	0
March 2042	19	0	0	0	0	13	0	0	0	0	43	1	1	0	0
March 2043	12	0	0	0	0	6	0	0	0	0	38	1	0	0	0
March 2044	5	0	0	0	0	0	0	0	0	0	32	1	0	0	0
March 2045	0	0	0	0	0	0	0	0	0	0	27	0	0	0	0
March 2046	0	0	0	0	0	0	0	0	0	0	21	0	0	0	0
March 2047	0	0	0	0	0	0	0	0	0	0	14	0	0	0	0
March 2048	0	0	0	0	0	0	0	0	0	0	7	0	0	0	0
March 2049	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	16.0	5.3	5.3	5.3	3.5	15.4	4.6	4.6	4.6	3.1	19.6	6.4	5.6	5.0	3.2

PSA Prepayment Assumption Rates															
Distribution Date	Class CS					Class CY					Class CZ				
	0%	250%	300%	350%	600%	0%	250%	300%	350%	600%	0%	250%	300%	350%	600%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
March 2020	99	95	94	93	90	100	100	100	100	100	104	104	97	89	50
March 2021	98	84	82	79	68	100	100	100	100	100	109	109	83	58	0
March 2022	96	71	67	62	43	100	100	100	100	100	114	114	68	24	0
March 2023	95	59	54	48	27	100	100	100	100	100	118	118	60	6	0
March 2024	94	50	43	38	17	100	100	100	100	100	124	124	59	0	0
March 2025	92	41	35	29	11	100	100	100	100	100	129	126	58	0	0
March 2026	90	34	28	22	7	100	100	100	100	100	135	122	56	0	0
March 2027	89	29	22	17	4	100	100	100	100	77	140	115	51	0	0
March 2028	87	24	18	13	3	100	100	100	100	48	146	106	46	0	0
March 2029	85	20	14	10	2	100	100	100	100	30	153	96	41	0	0
March 2030	83	16	11	8	1	100	100	100	100	19	159	85	36	0	0
March 2031	80	13	9	6	1	100	100	100	100	12	166	75	31	0	0
March 2032	78	11	7	5	0	100	84	84	84	7	174	65	26	0	0
March 2033	75	9	6	4	0	100	64	64	64	4	181	56	22	0	0
March 2034	73	7	4	3	0	100	49	49	49	3	189	48	18	0	0
March 2035	70	6	3	2	0	100	37	37	37	2	197	40	15	0	0
March 2036	66	5	3	2	0	100	28	28	28	1	206	34	12	0	0
March 2037	63	4	2	1	0	100	21	21	21	1	215	28	10	0	0
March 2038	59	3	2	1	0	100	15	15	15	0	224	23	8	0	0
March 2039	56	2	1	1	0	100	11	11	11	0	234	19	6	0	0
March 2040	52	2	1	0	0	100	8	8	8	0	244	15	5	0	0
March 2041	47	1	1	0	0	100	6	6	6	0	254	12	4	0	0
March 2042	43	1	1	0	0	100	4	4	4	0	265	9	3	0	0
March 2043	38	1	0	0	0	100	3	3	3	0	277	7	2	0	0
March 2044	32	1	0	0	0	78	2	2	2	0	289	5	2	0	0
March 2045	27	0	0	0	0	1	1	1	1	0	274	4	1	0	0
March 2046	21	0	0	0	0	1	1	1	1	0	212	2	1	0	0
March 2047	14	0	0	0	0	0	0	0	0	0	146	1	0	0	0
March 2048	7	0	0	0	0	0	0	0	0	0	75	1	0	0	0
March 2049	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	19.6	6.4	5.6	5.0	3.2	25.3	15.9	15.9	15.9	9.6	27.9	14.2	8.7	2.3	1.0

Security Group 15 PSA Prepayment Assumption Rates															
Distribution Date	Class SH					Class ZA					Class ZC				
	0%	250%	300%	350%	600%	0%	250%	300%	350%	600%	0%	250%	300%	350%	600%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
March 2020	99	95	94	93	90	104	104	86	68	0	104	104	104	104	88
March 2021	98	84	82	79	68	109	109	49	0	0	109	109	109	101	0
March 2022	96	71	67	62	43	114	114	7	0	0	114	114	114	42	0
March 2023	95	59	54	48	27	118	118	0	0	0	118	118	105	10	0
March 2024	94	50	43	38	17	124	124	0	0	0	124	124	102	0	0
March 2025	92	41	35	29	11	129	121	0	0	0	129	129	102	0	0
March 2026	90	34	28	22	7	135	106	0	0	0	135	135	97	0	0
March 2027	89	29	22	17	4	140	81	0	0	0	140	140	90	0	0
March 2028	87	24	18	13	3	146	52	0	0	0	146	146	81	0	0
March 2029	85	20	14	10	2	153	19	0	0	0	153	153	72	0	0
March 2030	83	16	11	8	1	159	0	0	0	0	159	149	63	0	0
March 2031	80	13	9	6	1	166	0	0	0	0	166	131	54	0	0
March 2032	78	11	7	5	0	174	0	0	0	0	174	114	46	0	0
March 2033	75	9	6	4	0	181	0	0	0	0	181	98	39	0	0
March 2034	73	7	4	3	0	189	0	0	0	0	189	84	32	0	0
March 2035	70	6	3	2	0	197	0	0	0	0	197	71	27	0	0
March 2036	66	5	3	2	0	206	0	0	0	0	206	59	22	0	0
March 2037	63	4	2	1	0	215	0	0	0	0	215	49	18	0	0
March 2038	59	3	2	1	0	224	0	0	0	0	224	40	14	0	0
March 2039	56	2	1	1	0	234	0	0	0	0	234	33	11	0	0
March 2040	52	2	1	0	0	244	0	0	0	0	244	26	9	0	0
March 2041	47	1	1	0	0	254	0	0	0	0	254	21	7	0	0
March 2042	43	1	1	0	0	265	0	0	0	0	265	16	5	0	0
March 2043	38	1	0	0	0	277	0	0	0	0	277	12	4	0	0
March 2044	32	1	0	0	0	289	0	0	0	0	289	9	3	0	0
March 2045	27	0	0	0	0	237	0	0	0	0	301	6	2	0	0
March 2046	21	0	0	0	0	75	0	0	0	0	314	4	1	0	0
March 2047	14	0	0	0	0	0	0	0	0	0	255	2	1	0	0
March 2048	7	0	0	0	0	0	0	0	0	0	132	1	0	0	0
March 2049	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average															
Life (years)	19.6	6.4	5.6	5.0	3.2	26.6	8.6	1.9	1.2	0.6	28.8	16.4	12.3	2.9	1.2

Security Group 16 PSA Prepayment Assumption Rates															
Distribution Date	Class AS					Class BS					Class DS				
	0%	200%	250%	300%	500%	0%	200%	250%	300%	500%	0%	200%	250%	300%	500%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
March 2020	99	96	95	94	91	99	96	95	94	91	99	96	95	94	91
March 2021	98	87	84	82	72	98	87	84	82	72	98	87	84	82	72
March 2022	96	75	71	66	50	96	75	71	66	50	96	75	71	66	50
March 2023	95	65	59	53	34	95	65	59	53	34	95	65	59	54	35
March 2024	94	56	49	43	24	94	56	49	43	24	94	56	49	43	24
March 2025	92	49	41	35	16	92	49	41	35	16	92	49	41	35	16
March 2026	90	42	34	28	11	90	42	34	28	11	90	42	34	28	11
March 2027	89	36	28	22	8	89	36	28	22	8	89	36	28	22	8
March 2028	87	31	24	18	5	87	31	24	18	5	87	31	24	18	5
March 2029	85	27	20	14	4	85	26	19	14	4	85	27	20	14	4
March 2030	83	23	16	11	2	83	23	16	11	2	83	23	16	11	2
March 2031	80	19	13	9	2	80	19	13	9	2	80	19	13	9	2
March 2032	78	16	11	7	1	78	16	11	7	1	78	16	11	7	1
March 2033	75	14	9	6	1	75	14	9	6	1	75	14	9	6	1
March 2034	73	12	7	4	1	73	12	7	4	0	73	12	7	4	1
March 2035	70	10	6	3	0	70	10	6	3	0	70	10	6	3	0
March 2036	66	8	5	3	0	66	8	5	3	0	66	8	5	3	0
March 2037	63	7	4	2	0	63	7	4	2	0	63	7	4	2	0
March 2038	59	6	3	2	0	59	6	3	2	0	59	6	3	2	0
March 2039	56	5	2	1	0	56	5	2	1	0	56	5	2	1	0
March 2040	52	4	2	1	0	52	4	2	1	0	52	4	2	1	0
March 2041	47	3	1	1	0	47	3	1	1	0	47	3	1	1	0
March 2042	43	2	1	1	0	43	2	1	1	0	43	2	1	1	0
March 2043	38	2	1	0	0	38	2	1	0	0	38	2	1	0	0
March 2044	32	1	1	0	0	32	1	1	0	0	32	1	1	0	0
March 2045	27	1	0	0	0	27	1	0	0	0	27	1	0	0	0
March 2046	21	1	0	0	0	21	1	0	0	0	21	1	0	0	0
March 2047	14	0	0	0	0	14	0	0	0	0	14	0	0	0	0
March 2048	7	0	0	0	0	7	0	0	0	0	7	0	0	0	0
March 2049	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average															
Life (years)	19.6	7.5	6.4	5.6	3.7	19.6	7.5	6.4	5.6	3.7	19.6	7.5	6.4	5.6	3.7

**Security Group 16
PSA Prepayment Assumption Rates**

Distribution Date	Class ES					Classes FG, PG and SG					Class FJ				
	0%	200%	250%	300%	500%	0%	200%	250%	300%	500%	0%	200%	250%	300%	500%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
March 2020	99	96	95	94	91	98	95	95	95	95	99	96	95	94	91
March 2021	98	87	84	82	72	96	84	84	84	81	98	87	84	82	72
March 2022	96	75	71	66	50	94	71	71	71	57	96	75	71	66	50
March 2023	95	65	59	53	34	92	59	59	59	39	95	65	59	53	34
March 2024	94	56	49	43	24	90	48	48	48	27	94	56	49	43	24
March 2025	92	49	41	35	16	88	39	39	39	18	92	49	41	35	16
March 2026	90	42	34	28	11	85	31	31	31	13	90	42	34	28	11
March 2027	89	36	28	22	8	82	25	25	25	9	89	36	28	22	8
March 2028	87	31	24	18	5	79	20	20	20	6	87	31	24	18	5
March 2029	85	27	20	14	4	76	16	16	16	4	85	27	20	14	4
March 2030	83	23	16	11	2	73	13	13	13	3	83	23	16	11	2
March 2031	80	19	13	9	2	70	10	10	10	2	80	19	13	9	2
March 2032	78	16	11	7	1	66	8	8	8	1	78	16	11	7	1
March 2033	75	14	9	6	1	62	6	6	6	1	75	14	9	6	1
March 2034	73	12	7	4	0	58	5	5	5	1	73	12	7	4	1
March 2035	70	10	6	3	0	54	4	4	4	0	70	10	6	3	0
March 2036	66	8	5	3	0	49	3	3	3	0	66	8	5	3	0
March 2037	63	7	4	2	0	45	2	2	2	0	63	7	4	2	0
March 2038	59	6	3	2	0	39	2	2	2	0	59	6	3	2	0
March 2039	56	5	2	1	0	34	1	1	1	0	56	5	2	1	0
March 2040	52	4	2	1	0	28	1	1	1	0	52	4	2	1	0
March 2041	47	3	1	1	0	22	1	1	1	0	47	3	1	1	0
March 2042	43	2	1	1	0	15	1	1	1	0	43	2	1	1	0
March 2043	38	2	1	0	0	8	0	0	0	0	38	2	1	0	0
March 2044	32	1	1	0	0	1	0	0	0	0	32	1	1	0	0
March 2045	27	1	0	0	0	0	0	0	0	0	27	1	0	0	0
March 2046	21	1	0	0	0	0	0	0	0	0	21	1	0	0	0
March 2047	14	0	0	0	0	0	0	0	0	0	14	0	0	0	0
March 2048	7	0	0	0	0	0	0	0	0	0	7	0	0	0	0
March 2049	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	19.6	7.5	6.4	5.6	3.7	15.6	6.0	6.0	6.0	4.1	19.6	7.5	6.4	5.6	3.7

PSA Prepayment Assumption Rates

Distribution Date	Class FK					Classes FL and SL					Classes FP and SP				
	0%	200%	250%	300%	500%	0%	200%	250%	300%	500%	0%	200%	250%	300%	500%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
March 2020	99	96	95	94	91	98	94	93	93	93	98	94	94	94	94
March 2021	98	87	84	81	72	96	83	80	79	79	96	84	82	82	80
March 2022	96	75	71	66	50	94	70	65	62	55	94	70	68	67	56
March 2023	95	65	59	53	34	92	58	51	48	38	92	58	55	54	38
March 2024	94	56	49	43	24	90	47	39	36	26	90	48	44	42	26
March 2025	92	49	41	35	16	87	38	30	27	18	87	39	35	33	18
March 2026	90	42	34	28	11	85	30	21	20	12	85	31	27	26	12
March 2027	89	36	28	22	8	82	22	15	15	8	82	24	20	20	9
March 2028	87	31	24	18	5	79	16	11	11	6	79	18	16	16	6
March 2029	85	26	19	14	4	76	10	8	8	4	76	13	12	12	4
March 2030	83	23	16	11	2	73	6	6	6	3	73	10	10	10	3
March 2031	80	19	13	9	2	69	4	4	4	2	70	7	7	7	2
March 2032	78	16	11	7	1	66	3	3	3	1	66	6	6	6	1
March 2033	75	14	9	6	1	62	2	2	2	1	62	4	4	4	1
March 2034	73	12	7	4	0	58	2	2	2	1	58	3	3	3	1
March 2035	70	10	6	3	0	53	1	1	1	0	54	3	3	3	0
March 2036	66	8	5	3	0	49	1	1	1	0	49	2	2	2	0
March 2037	63	7	4	2	0	44	1	1	1	0	44	2	2	2	0
March 2038	59	6	3	2	0	39	0	0	0	0	39	1	1	1	0
March 2039	56	5	2	1	0	33	0	0	0	0	33	1	1	1	0
March 2040	52	4	2	1	0	27	0	0	0	0	28	1	1	1	0
March 2041	47	3	1	1	0	21	0	0	0	0	21	0	0	0	0
March 2042	43	2	1	1	0	14	0	0	0	0	15	0	0	0	0
March 2043	38	2	1	0	0	7	0	0	0	0	8	0	0	0	0
March 2044	32	1	1	0	0	0	0	0	0	0	0	0	0	0	0
March 2045	27	1	0	0	0	0	0	0	0	0	0	0	0	0	0
March 2046	21	1	0	0	0	0	0	0	0	0	0	0	0	0	0
March 2047	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0
March 2048	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0
March 2049	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	19.6	7.5	6.4	5.6	3.7	15.5	5.4	4.9	4.7	4.0	15.5	5.7	5.5	5.4	4.0

**Security Group 16
PSA Prepayment Assumption Rates**

Distribution Date	Classes GP, TF and TS					Class GS					Class KS				
	0%	200%	250%	300%	500%	0%	200%	250%	300%	500%	0%	200%	250%	300%	500%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
March 2020	98	95	95	95	95	99	95	95	94	91	99	96	95	94	91
March 2021	96	84	84	84	81	98	87	84	81	71	98	87	84	82	72
March 2022	94	71	71	71	57	96	75	71	66	50	96	75	71	66	50
March 2023	92	59	59	59	39	95	65	59	53	34	95	65	59	53	34
March 2024	90	48	48	48	27	94	56	49	43	24	94	56	49	43	24
March 2025	88	39	39	39	18	92	49	41	34	16	92	49	41	35	16
March 2026	85	31	31	31	13	90	42	34	28	11	90	42	34	28	11
March 2027	82	25	25	25	9	89	36	28	22	8	89	36	28	22	8
March 2028	79	20	20	20	6	87	31	24	18	5	87	31	24	18	5
March 2029	76	16	16	16	4	85	26	19	14	4	85	27	20	14	4
March 2030	73	13	13	13	3	83	23	16	11	2	83	23	16	11	2
March 2031	70	10	10	10	2	80	19	13	9	2	80	19	13	9	2
March 2032	66	8	8	8	1	78	16	11	7	1	78	16	11	7	1
March 2033	62	6	6	6	1	75	14	9	6	1	75	14	9	6	1
March 2034	58	5	5	5	1	73	12	7	4	0	73	12	7	4	1
March 2035	54	4	4	4	0	70	10	6	3	0	70	10	6	3	0
March 2036	49	3	3	3	0	66	8	5	3	0	66	8	5	3	0
March 2037	45	2	2	2	0	63	7	4	2	0	63	7	4	2	0
March 2038	39	2	2	2	0	59	6	3	2	0	59	6	3	2	0
March 2039	34	1	1	1	0	56	5	2	1	0	56	5	2	1	0
March 2040	28	1	1	1	0	52	4	2	1	0	52	4	2	1	0
March 2041	22	1	1	1	0	47	3	1	1	0	47	3	1	1	0
March 2042	15	1	1	1	0	43	2	1	1	0	43	2	1	1	0
March 2043	8	0	0	0	0	38	2	1	0	0	38	2	1	0	0
March 2044	1	0	0	0	0	32	1	1	0	0	32	1	1	0	0
March 2045	0	0	0	0	0	27	1	0	0	0	27	1	0	0	0
March 2046	0	0	0	0	0	21	1	0	0	0	21	1	0	0	0
March 2047	0	0	0	0	0	14	0	0	0	0	14	0	0	0	0
March 2048	0	0	0	0	0	7	0	0	0	0	7	0	0	0	0
March 2049	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	15.6	6.0	6.0	6.0	4.1	19.6	7.5	6.4	5.6	3.7	19.6	7.5	6.4	5.6	3.7

PSA Prepayment Assumption Rates

Distribution Date	Class PK					Class PL					Class Z				
	0%	200%	250%	300%	500%	0%	200%	250%	300%	500%	0%	200%	250%	300%	500%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
March 2020	98	93	92	91	91	100	100	100	100	100	104	104	102	97	68
March 2021	96	80	76	75	75	100	100	100	100	100	109	109	100	84	4
March 2022	93	64	58	54	46	100	100	100	100	100	114	114	97	68	0
March 2023	91	50	41	37	26	100	100	100	100	100	118	118	96	60	0
March 2024	88	37	27	23	12	100	100	100	100	100	124	124	98	58	0
March 2025	85	26	16	12	2	100	100	100	100	100	129	129	101	56	0
March 2026	82	16	5	4	0	100	100	100	100	74	135	133	104	52	0
March 2027	79	7	0	0	0	100	100	89	89	51	140	135	103	47	0
March 2028	75	0	0	0	0	100	97	66	66	35	146	136	94	42	0
March 2029	71	0	0	0	0	100	62	49	49	24	153	137	84	37	0
March 2030	67	0	0	0	0	100	36	36	36	16	159	133	74	31	0
March 2031	63	0	0	0	0	100	27	27	27	11	166	119	65	27	0
March 2032	59	0	0	0	0	100	20	20	20	7	174	106	56	22	0
March 2033	54	0	0	0	0	100	14	14	14	5	181	93	48	18	0
March 2034	49	0	0	0	0	100	10	10	10	3	189	81	41	15	0
March 2035	44	0	0	0	0	100	8	8	8	2	197	70	34	12	0
March 2036	39	0	0	0	0	100	5	5	5	1	206	60	28	10	0
March 2037	33	0	0	0	0	100	4	4	4	1	215	51	24	8	0
March 2038	26	0	0	0	0	100	3	3	3	1	224	43	19	6	0
March 2039	20	0	0	0	0	100	2	2	2	0	234	36	16	5	0
March 2040	13	0	0	0	0	100	1	1	1	0	244	29	12	4	0
March 2041	5	0	0	0	0	100	1	1	1	0	254	24	10	3	0
March 2042	0	0	0	0	0	86	1	1	1	0	265	19	8	2	0
March 2043	0	0	0	0	0	43	0	0	0	0	277	15	6	2	0
March 2044	0	0	0	0	0	0	0	0	0	0	287	11	4	1	0
March 2045	0	0	0	0	0	0	0	0	0	0	239	8	3	1	0
March 2046	0	0	0	0	0	0	0	0	0	0	185	5	2	0	0
March 2047	0	0	0	0	0	0	0	0	0	0	127	3	1	0	0
March 2048	0	0	0	0	0	0	0	0	0	0	66	1	0	0	0
March 2049	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	13.8	4.2	3.7	3.5	3.0	23.9	11.4	10.9	10.9	8.8	27.7	17.1	13.8	8.2	1.2

Security Group 16 PSA Prepayment Assumption Rates															
Distribution Date	Class ZB					Class ZG					Class ZK				
	0%	200%	250%	300%	500%	0%	200%	250%	300%	500%	0%	200%	250%	300%	500%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
March 2020	104	104	98	91	63	104	104	98	91	63	104	104	104	101	71
March 2021	109	109	86	63	0	109	109	86	63	0	109	109	109	97	6
March 2022	114	114	71	31	0	114	114	71	31	0	114	114	114	94	0
March 2023	118	118	63	11	0	118	118	63	11	0	118	118	118	93	0
March 2024	124	124	59	2	0	124	124	59	2	0	124	124	124	96	0
March 2025	129	129	60	0	0	129	129	60	0	0	129	129	129	93	0
March 2026	135	130	59	0	0	135	130	59	0	0	135	135	135	87	0
March 2027	140	126	57	0	0	140	126	57	0	0	140	140	134	79	0
March 2028	146	121	53	0	0	146	121	53	0	0	146	146	121	70	0
March 2029	153	113	49	0	0	153	113	49	0	0	153	153	108	61	0
March 2030	159	104	44	0	0	159	104	44	0	0	159	152	95	52	0
March 2031	166	95	39	0	0	166	95	39	0	0	166	135	82	44	0
March 2032	174	86	35	0	0	174	86	35	0	0	174	119	70	37	0
March 2033	181	76	30	0	0	181	76	30	0	0	181	104	60	31	0
March 2034	189	67	26	0	0	189	67	26	0	0	189	90	50	25	0
March 2035	197	59	22	0	0	197	59	22	0	0	197	77	42	21	0
March 2036	206	51	19	0	0	206	51	19	0	0	206	66	35	17	0
March 2037	215	44	16	0	0	215	44	16	0	0	215	55	29	13	0
March 2038	224	37	13	0	0	224	37	13	0	0	224	46	23	10	0
March 2039	234	32	11	0	0	234	32	11	0	0	234	38	19	8	0
March 2040	244	26	9	0	0	244	26	9	0	0	244	31	15	6	0
March 2041	254	21	7	0	0	254	21	7	0	0	254	25	12	5	0
March 2042	265	17	6	0	0	265	17	6	0	0	265	20	9	4	0
March 2043	277	14	4	0	0	277	14	4	0	0	277	16	7	3	0
March 2044	289	10	3	0	0	289	10	3	0	0	286	12	5	2	0
March 2045	243	8	2	0	0	243	8	2	0	0	236	8	3	1	0
March 2046	188	5	2	0	0	188	5	2	0	0	183	6	2	1	0
March 2047	129	3	1	0	0	129	3	1	0	0	126	3	1	0	0
March 2048	67	1	0	0	0	67	1	0	0	0	65	1	1	0	0
March 2049	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	27.7	16.1	9.9	2.5	1.1	27.7	16.1	9.9	2.5	1.1	27.6	16.9	14.2	11.7	1.3

Yield Considerations

An investor seeking to maximize yield should make a decision whether to invest in any Regular or MX Class based on the anticipated yield of that Class resulting from its purchase price, the investor's own projection of Mortgage Loan prepayment rates under a variety of scenarios, in the case of the Group 5, 7, 8 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 (especially the Principal Only Class), 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 TI 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 (in the case of interest-bearing Classes), and

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

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

The information set forth in the following tables was prepared on the basis of the Modeling Assumptions and the assumptions that (1) the Interest Rate applicable to each Inverse Floating Rate Class for each Accrual Period following the first Accrual Period will be based on the indicated level of 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 (in the case of interest-bearing Classes) is as indicated in the related table. **The assumed purchase price is not necessarily that at which actual sales will occur.**

SECURITY GROUP 1

Sensitivity of Class IB to Prepayments

Assumed Price 16.1%*

PSA Prepayment Assumption Rates				
<u>175%</u>	<u>210%</u>	<u>250%</u>	<u>320%</u>	<u>500%</u>
5.7%	5.7%	5.7%	0.0%	(17.6)%

Sensitivity of Class IP to Prepayments

Assumed Price 17.5%*

PSA Prepayment Assumption Rates				
<u>175%</u>	<u>210%</u>	<u>250%</u>	<u>329%</u>	<u>500%</u>
5.6%	5.6%	5.6%	0.0%	(14.4)%

SECURITY GROUP 2

Sensitivity of Class SB to Prepayments

Assumed Price 2.7%*

<u>LIBOR</u>	PSA Prepayment Assumption Rates			
	<u>100%</u>	<u>210%</u>	<u>350%</u>	<u>500%</u>
1.00000%	115.4%	109.0%	100.6%	91.3%
2.48188%	45.7%	39.3%	31.0%	21.7%
3.13594%	17.7%	11.2%	2.6%	(6.9)%
3.79000% and above	**	**	**	**

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

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

SECURITY GROUP 3

Sensitivity of Class MS to Prepayments Assumed Price 19.5%*

<u>LIBOR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>150%</u>	<u>270%</u>	<u>300%</u>	<u>600%</u>
1.000000%	21.5%	15.6%	14.0%	(2.2)%
2.491750%	11.9%	5.5%	3.9%	(13.4)%
4.270875%	(0.4)%	(7.3)%	(9.0)%	(27.5)%
6.050000% and above	**	**	**	**

Sensitivity of Class NS to Prepayments Assumed Price 19.5%*

<u>LIBOR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>150%</u>	<u>270%</u>	<u>300%</u>	<u>600%</u>
1.000000%	21.7%	15.9%	14.4%	(1.3)%
2.491750%	12.1%	5.8%	4.2%	(12.6)%
4.270875%	(0.2)%	(7.0)%	(8.7)%	(26.9)%
6.050000% and above	**	**	**	**

Sensitivity of Class QS to Prepayments Assumed Price 16.0%*

<u>LIBOR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>150%</u>	<u>270%</u>	<u>300%</u>	<u>600%</u>
1.000000%	(46.1)%	(78.1)%	(84.4)%	**
2.491750%	(64.0)%	(95.6)%	**	**
4.270875%	(90.8)%	**	**	**
6.050000% and above	**	**	**	**

Sensitivity of Class SC to Prepayments Assumed Price 19.5%*

<u>LIBOR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>150%</u>	<u>270%</u>	<u>300%</u>	<u>600%</u>
1.000000%	21.6%	15.8%	14.3%	(1.7)%
2.491750%	12.0%	5.7%	4.1%	(12.9)%
4.270875%	(0.3)%	(7.1)%	(8.8)%	(27.2)%
6.050000% 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 16.3%*

<u>LIBOR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>150%</u>	<u>270%</u>	<u>300%</u>	<u>600%</u>
1.000000%	23.1%	16.8%	15.2%	(1.3)%
2.491750%	12.6%	6.0%	4.3%	(13.0)%
4.270875%	(0.4)%	(7.2)%	(9.0)%	(27.5)%
6.050000% and above	**	**	**	**

Sensitivity of Class SM to Prepayments
Assumed Price 3.5%*

<u>LIBOR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>150%</u>	<u>270%</u>	<u>300%</u>	<u>600%</u>
1.000000%	134.6%	102.8%	95.3%	28.7%
2.491750%	68.4%	36.5%	29.3%	(31.4)%
4.270875%	(10.1)%	(42.2)%	(48.9)%	**
6.050000% and above	**	**	**	**

Sensitivity of Class SN to Prepayments
Assumed Price 3.0%*

<u>LIBOR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>150%</u>	<u>270%</u>	<u>300%</u>	<u>600%</u>
1.000000%	181.3%	152.6%	145.8%	83.0%
2.491750%	100.7%	71.7%	65.0%	7.1%
4.270875%	8.6%	(21.5)%	(27.8)%	(78.2)%
6.050000% and above	**	**	**	**

Sensitivity of Class SQ to Prepayments
Assumed Price 16.0%*

<u>LIBOR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>150%</u>	<u>270%</u>	<u>300%</u>	<u>600%</u>
1.000000%	23.6%	17.2%	15.6%	(1.2)%
2.491750%	12.9%	6.3%	4.6%	(13.0)%
4.270875%	(0.2)%	(7.2)%	(8.9)%	(27.5)%
6.050000% 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 ST to Prepayments
Assumed Price 16.0%*

<u>LIBOR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>150%</u>	<u>270%</u>	<u>300%</u>	<u>600%</u>
1.000000%	28.6%	23.0%	21.5%	6.0%
2.491750%	17.0%	10.9%	9.3%	(7.4)%
4.270875%	2.4%	(4.3)%	(6.0)%	(24.2)%
6.050000% and above	**	**	**	**

SECURITY GROUP 4

Sensitivity of Class DI to Prepayments
Assumed Price 14.25%*

<u>PSA Prepayment Assumption Rates</u>				
<u>100%</u>	<u>210%</u>	<u>317%</u>	<u>350%</u>	<u>500%</u>
22.2%	11.6%	0.1%	(3.6)%	(20.0)%

Sensitivity of Class LS to Prepayments
Assumed Price 12.5%*

<u>LIBOR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>100%</u>	<u>210%</u>	<u>350%</u>	<u>500%</u>
1.000000%	35.5%	29.5%	21.7%	13.1%
2.492750%	22.0%	15.9%	7.9%	(1.0)%
4.271375%	6.0%	(0.4)%	(8.7)%	(18.1)%
6.050000% and above	**	**	**	**

SECURITY GROUP 5

Sensitivity of Class AI to Prepayments
Assumed Price 23.0%*

<u>PSA Prepayment Assumption Rates</u>				
<u>175%</u>	<u>225%</u>	<u>275%</u>	<u>403%</u>	<u>500%</u>
6.6%	6.6%	6.6%	0.0%	(5.7)%

SECURITY GROUP 6

Sensitivity of Class HS to Prepayments
Assumed Price 15.5%*

<u>LIBOR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>200%</u>	<u>240%</u>	<u>300%</u>	<u>500%</u>
1.000000%	22.4%	20.3%	17.2%	6.5%
2.488630%	11.2%	9.0%	5.7%	(5.5)%
4.269315%	(2.5)%	(4.8)%	(8.3)%	(20.3)%
6.050000% 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 IC to Prepayments
Assumed Price 20.4%*

PSA Prepayment Assumption Rates				
200%	240%	300%	378%	500%
4.4%	4.4%	4.4%	0.0%	(7.9)%

Sensitivity of Class ID to Prepayments
Assumed Price 15.6%*

PSA Prepayment Assumption Rates				
200%	240%	300%	360%	500%
13.4%	10.2%	5.2%	0.0%	(12.1)%

SECURITY GROUP 7

Sensitivity of Class IO to Prepayments
Assumed Price 2.5%*

LIBOR	PSA Prepayment Assumption Rates			
	100%	210%	350%	500%
1.000000%	37.1%	21.1%	(73.2)%	**
2.489250%	20.6%	6.2%	**	**
3.494625%	8.8%	(4.3)%	**	**
4.500000% and above	**	**	**	**

Sensitivity of Class PO to Prepayments
Assumed Price 77.5%

PSA Prepayment Assumption Rates			
100%	210%	350%	500%
1.1%	4.1%	22.1%	35.6%

Sensitivity of Class PS to Prepayments
Assumed Price 98.0%*

LIBOR	PSA Prepayment Assumption Rates			
	100%	210%	350%	500%
1.000000%	7.5%	7.7%	8.7%	9.5%
2.489250%	4.3%	4.5%	5.7%	6.5%
3.494625%	2.2%	2.4%	3.7%	4.5%
4.500000% and above	0.1%	0.3%	1.6%	2.6%

* 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 TI to Prepayments Assumed Price 1.3%*

<u>LIBOR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>100%</u>	<u>210%</u>	<u>350%</u>	<u>500%</u>
6.00% and below	12.4%	5.0%	(5.0)%	(16.3)%
6.15%	(2.0)%	(9.0)%	(18.3)%	(28.8)%
6.30% and above	**	**	**	**

SECURITY GROUP 11

Sensitivity of Class SY to Prepayments Assumed Price 18.5%*

<u>LIBOR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>100%</u>	<u>200%</u>	<u>300%</u>	<u>400%</u>
1.000000%	21.0%	13.9%	6.6%	(1.0)%
2.481750%	11.9%	5.1%	(1.9)%	(9.2)%
4.565875%	(2.0)%	(8.3)%	(14.9)%	(21.8)%
6.650000% and above	**	**	**	**

SECURITY GROUP 12

Sensitivity of Class IE to Prepayments Assumed Price 13.5%*

<u>PSA Prepayment Assumption Rates</u>				
<u>100%</u>	<u>240%</u>	<u>397%</u>	<u>400%</u>	<u>500%</u>
24.8%	13.9%	0.1%	(0.2)%	(10.0)%

SECURITY GROUP 13

Sensitivity of Class HI to Prepayments Assumed Price 13.6%*

<u>PSA Prepayment Assumption Rates</u>				
<u>210%</u>	<u>240%</u>	<u>450%</u>	<u>500%</u>	<u>744%</u>
13.5%	13.5%	13.5%	11.6%	0.0%

SECURITY GROUP 14

Sensitivity of Class JI to Prepayments Assumed Price 24.5%*

<u>PSA Prepayment Assumption Rates</u>				
<u>175%</u>	<u>300%</u>	<u>400%</u>	<u>460%</u>	<u>600%</u>
2.8%	2.8%	2.8%	0.0%	(7.9)%

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

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

Sensitivity of Class JS to Prepayments
Assumed Price 13.5%*

<u>LIBOR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>175%</u>	<u>300%</u>	<u>400%</u>	<u>600%</u>
1.000000%	29.1%	22.4%	16.9%	5.5%
2.488630%	16.4%	9.4%	3.7%	(8.2)%
4.269315%	1.0%	(6.3)%	(12.3)%	(25.0)%
6.050000% and above	**	**	**	**

SECURITY GROUP 15

Sensitivity of Class CI to Prepayments
Assumed Price 20.0%*

<u>PSA Prepayment Assumption Rates</u>				
<u>250%</u>	<u>300%</u>	<u>350%</u>	<u>496%</u>	<u>600%</u>
7.2%	7.2%	7.2%	0.0%	(5.5)%

Sensitivity of Class CS to Prepayments
Assumed Price 13.7%*

<u>LIBOR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>250%</u>	<u>300%</u>	<u>350%</u>	<u>600%</u>
1.000000%	25.5%	23.0%	20.5%	7.7%
2.488630%	12.6%	9.9%	7.3%	(6.4)%
4.269315%	(3.1)%	(5.9)%	(8.8)%	(23.8)%
6.050000% and above	**	**	**	**

Sensitivity of Class IA to Prepayments
Assumed Price 17.6%*

<u>PSA Prepayment Assumption Rates</u>				
<u>250%</u>	<u>300%</u>	<u>350%</u>	<u>495%</u>	<u>600%</u>
8.5%	8.5%	8.5%	0.0%	(6.7)%

Sensitivity of Class SE to Prepayments
Assumed Price 14.5%*

<u>LIBOR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>250%</u>	<u>300%</u>	<u>350%</u>	<u>600%</u>
1.000000%	19.6%	19.6%	19.6%	8.3%
2.488630%	7.0%	7.0%	7.0%	(5.7)%
4.269315%	(8.6)%	(8.6)%	(8.6)%	(23.2)%
6.050000% and above	**	**	**	**

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

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

Sensitivity of Class SH to Prepayments
Assumed Price 13.7%*

<u>LIBOR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>250%</u>	<u>300%</u>	<u>350%</u>	<u>600%</u>
1.000000%	25.5%	23.0%	20.5%	7.7%
2.488630%	12.6%	9.9%	7.3%	(6.4)%
4.269315%	(3.1)%	(5.9)%	(8.8)%	(23.8)%
6.050000% and above	**	**	**	**

SECURITY GROUP 16

Sensitivity of Class AS to Prepayments
Assumed Price 13.75%*

<u>LIBOR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>200%</u>	<u>250%</u>	<u>300%</u>	<u>500%</u>
1.000000%	27.7%	25.2%	22.7%	12.5%
2.488630%	15.0%	12.4%	9.7%	(1.1)%
4.269315%	(0.4)%	(3.2)%	(6.0)%	(17.8)%
6.050000% and above	**	**	**	**

Sensitivity of Class BS to Prepayments
Assumed Price 13.75%*

<u>LIBOR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>200%</u>	<u>250%</u>	<u>300%</u>	<u>500%</u>
1.000000%	27.7%	25.2%	22.6%	12.4%
2.488630%	15.0%	12.3%	9.7%	(1.2)%
4.269315%	(0.4)%	(3.2)%	(6.1)%	(17.9)%
6.050000% and above	**	**	**	**

Sensitivity of Class DS to Prepayments
Assumed Price 13.75%*

<u>LIBOR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>200%</u>	<u>250%</u>	<u>300%</u>	<u>500%</u>
1.000000%	27.7%	25.3%	22.8%	12.6%
2.488630%	15.0%	12.4%	9.8%	(1.1)%
4.269315%	(0.4)%	(3.2)%	(6.0)%	(17.8)%
6.050000% 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 ES to Prepayments
Assumed Price 13.75%*

<u>LIBOR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>200%</u>	<u>250%</u>	<u>300%</u>	<u>500%</u>
1.000000%	27.7%	25.2%	22.7%	12.4%
2.488630%	15.0%	12.4%	9.7%	(1.2)%
4.269315%	(0.4)%	(3.2)%	(6.1)%	(17.9)%
6.050000% and above	**	**	**	**

Sensitivity of Class GS to Prepayments
Assumed Price 13.75%*

<u>LIBOR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>200%</u>	<u>250%</u>	<u>300%</u>	<u>500%</u>
1.000000%	27.6%	25.1%	22.6%	12.3%
2.488630%	15.0%	12.3%	9.6%	(1.3)%
4.269315%	(0.4)%	(3.2)%	(6.1)%	(17.9)%
6.050000% and above	**	**	**	**

Sensitivity of Class KS to Prepayments
Assumed Price 13.75%*

<u>LIBOR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>200%</u>	<u>250%</u>	<u>300%</u>	<u>500%</u>
1.000000%	27.7%	25.2%	22.7%	12.5%
2.488630%	15.0%	12.4%	9.7%	(1.2)%
4.269315%	(0.4)%	(3.2)%	(6.1)%	(17.9)%
6.050000% and above	**	**	**	**

Sensitivity of Class SG to Prepayments
Assumed Price 15.0%*

<u>LIBOR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>200%</u>	<u>250%</u>	<u>300%</u>	<u>500%</u>
1.000000%	21.3%	21.3%	21.3%	12.6%
2.488630%	9.2%	9.2%	9.2%	(0.6)%
4.294315%	(5.9)%	(5.9)%	(5.9)%	(17.3)%
6.100000% 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 SL to Prepayments
Assumed Price 15.0%*

LIBOR	PSA Prepayment Assumption Rates			
	200%	250%	300%	500%
1.000000%	20.2%	17.1%	15.9%	11.6%
2.488630%	7.6%	4.5%	3.6%	(1.4)%
4.294315%	(9.1)%	(11.4)%	(11.9)%	(17.7)%
6.100000% and above	**	**	**	**

Sensitivity of Class SP to Prepayments
Assumed Price 15.0%*

LIBOR	PSA Prepayment Assumption Rates			
	200%	250%	300%	500%
1.000000%	20.8%	19.4%	18.9%	12.1%
2.488630%	8.5%	7.2%	6.9%	(1.0)%
4.294315%	(7.2)%	(8.0)%	(8.2)%	(17.5)%
6.100000% and above	**	**	**	**

Sensitivity of Class TS to Prepayments
Assumed Price 15.0%*

LIBOR	PSA Prepayment Assumption Rates			
	200%	250%	300%	500%
1.000000%	21.3%	21.3%	21.3%	12.6%
2.488630%	9.2%	9.2%	9.2%	(0.6)%
4.294315%	(5.9)%	(5.9)%	(5.9)%	(17.3)%
6.100000% 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 Single REMIC Series as to the Group 2 Trust Assets, a Single REMIC Series as to the Group 12 Trust Assets and a Double REMIC Series as to the Group 1, 3, 4, 5, 6, 7, 8, 9, 10, 11, 13, 14, 15 and 16 Trust Assets, each for United States federal income tax purposes. Separate REMIC elections will be made for the Group 2 REMIC, the Group 12 REMIC, the Group 1, 3, 4, 5, 6, 7, 8, 9, 10, 11, 13, 14, 15 and 16 Pooling REMIC and the Group 1, 3, 4, 5, 6, 7, 8, 9, 10, 11, 13, 14, 15 and 16 Issuing REMIC.

Regular Securities

The Regular Securities will be treated as debt instruments issued by the Group 1, 3, 4, 5, 6, 7, 8, 9, 10, 11, 13, 14, 15 and 16 Issuing REMIC, the Group 2 REMIC or the Group 12 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 Principal Only, Notional and Accrual Classes of Regular Securities will be issued with original issue discount (“OID”), and certain other Classes of Regular Securities may be issued with OID. *See “Certain United States Federal Income Tax Consequences — Tax Treatment of Regular Securities — Original Issue Discount,” “— Variable Rate Securities” and “— Interest Weighted Securities and Non-VRDI Securities” in the Base Offering Circular.*

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

<u>Group(s)</u>	<u>PSA</u>
1, 2, 4, 7 and 8	210%
3	270%
5	225%
6, 12 and 13	240%
9, 10 and 11	200%
14 and 15	300%
16	250%

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.

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 Regular Securities issued with original issue discount, for tax years beginning after December 31, 2018. The Service issued Notice 2018-80 stating its intention to issue regulations that would exclude market discount from this rule. 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.

It is expected the Tax Administrator will treat the Group 2 REMIC as a “single-class REMIC” as defined under Temporary Regulations, and will report income and expenses with respect to the Group 2 REMIC accordingly. As such, certain of the Group 2 REMIC’s fees and expenses would be allocated proportionately among the Regular Securities and Residual Securities issued by the Group 2 REMIC. An individual, trust or estate that holds such Regular Securities (directly or indirectly through a grantor trust, a partnership, an S corporation, a common trust fund, or a nonpublicly offered RIC) generally will not be eligible to deduct its allocable share of the Group 2 REMIC’s fees or expenses under Section 212 of the Code for any taxable year beginning before January 1, 2026. For a discussion of single-class REMICs, see *“Certain United States Federal Income Tax Consequences — Tax Treatment of Regular Securities — Single Class REMICs”* in the Base Offering Circular, as modified by the previous sentence. Prospective investors in Regular Securities are urged to consult with their tax advisors regarding the potential applicability of these rules to their particular situation.

Residual Securities

The Class R2 Securities will represent the beneficial ownership of the Residual Interest in the Group 2 REMIC. The Class R12 Securities will represent the beneficial ownership of the Residual Interest in the Group 12 REMIC. The Class RR Securities will represent the beneficial ownership of the Residual Interest in the Group 1, 3, 4, 5, 6, 7, 8, 9, 10, 11, 13, 14, 15 and 16 Pooling REMIC and the beneficial ownership of the Residual Interest in the Group 1, 3, 4, 5, 6, 7, 8, 9, 10, 11, 13, 14, 15 and 16 Issuing REMIC. The Residual Securities, i.e., the Class RR, R2 and R12 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.

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 nonpublicly 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 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 are 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.

Foreign Account Tax Compliance Act

The Service has issued proposed regulations, on which taxpayers may rely, that exclude gross proceeds from the sale or other disposition of Regular or MX Securities from the application of the withholding tax imposed under FATCA and related administrative guidance. For a discussion of FATCA, see *“Certain United States Federal Income Tax Consequences — Taxation of Foreign Holders of REMIC Securities and MX Securities” in the Base Offering Circular.*

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

ERISA MATTERS

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

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, if any, from (1) March 1, 2019 on the Fixed Rate and Delay Classes, (2) March 16, 2019 on the Group 11 Inverse Floating Rate Class and (3) March 20, 2019 on the Group 2, 3, 6, 8, 14, 15 and 16 Floating Rate and Inverse Floating Rate Classes. The Sponsor may effect these transactions by sales to or through certain securities dealers. These dealers may receive compensation in the form of discounts, concessions or commissions from the Sponsor and/or commissions from any purchasers for which they act as agents. Some of the Securities may be sold through dealers in relatively small sales. In the usual case, the commission charged on a relatively small sale of securities will be a higher percentage of the sales price than that charged on a large sale of securities.

INCREASE IN SIZE

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

LEGAL MATTERS

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

Available Combinations(1)

REMIC Securities		MX Securities						
Class	Original Class Principal Balance or Class Notional Balance	Related MX Class	Maximum Principal Balance or Class Notional Balance(2)	Principal Type(3)	Interest Rate	Interest Type(3)	CUSIP Number	Final Distribution Date(4)
Security Group 1								
Combination 1(5)								
BA	\$62,032,762	BC	\$62,032,762	PAC/AD	3.75%	FIX	38381THV0	February 2048
		BD	62,032,762	PAC/AD	3.50	FIX	38381THW8	February 2048
		BE	62,032,762	PAC/AD	3.25	FIX	38381THX6	February 2048
		BG	62,032,762	PAC/AD	3.00	FIX	38381THY4	February 2048
		IB	15,508,190	NTL(PAC/AD)	4.00	FIX/IO	38381THZ1	February 2048
Combination 2(5)								
BA	\$62,032,762	IP	\$16,373,274	NTL(PAC/AD)	4.00%	FIX/IO	38381TJA4	October 2048
BY	3,460,337	PA	65,493,099	PAC/AD	4.00	FIX	38381TJB2	October 2048
		PB	65,493,099	PAC/AD	3.75	FIX	38381TJC0	October 2048
		PC	65,493,099	PAC/AD	3.50	FIX	38381TJD8	October 2048
		PD	65,493,099	PAC/AD	3.25	FIX	38381TJE6	October 2048
		PE	65,493,099	PAC/AD	3.00	FIX	38381TJF3	October 2048
Security Group 3								
Combination 3								
MA	\$28,876,000	MB	\$32,821,000	PAC I	3.50%	FIX	38381TJG1	December 2048
MQ	3,945,000							
Combination 4								
MA	\$28,876,000	MT	\$44,000,000	PT	3.50%	FIX	38381TJH9	March 2049
MK	6,656,000							
MQ	3,945,000							
MU	3,484,000							
MW	1,037,000							
MZ	1,000							
ZM	1,000							

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 5								
NA	\$16,983,000	NB	\$19,035,000	PAC I	3.50%	FIX	38381TJJ5	January 2049
NQ	2,052,000							
Combination 6								
NA	\$16,983,000	NT	\$25,000,000	PT	3.50%	FIX	38381TJK2	March 2049
NK	3,564,000							
NQ	2,052,000							
NU	1,991,000							
NW	408,000							
NZ	1,000							
ZN	1,000							
Combination 7								
MS	\$13,600,000	SC	\$33,600,000	NTL(SEQ)	(6)	INV/IO	38381TJL0	March 2049
NS	20,000,000							
Combination 8								
QS	\$ 1,000,000	SQ	\$ 5,000,000	NTL(PT)	(6)	INV/IO	38381TJM8	March 2049
ST	4,000,000							
Combination 9								
MS	\$13,600,000	SD	\$42,000,000	NTL(PT)	(6)	INV/IO	38381TJN6	March 2049
NS	20,000,000							
SM	3,400,000							
SN	5,000,000							
Security Group 4								
Combination 10								
LF	\$13,690,352	LM	\$13,690,352	PT	6.50%	FIX	38381TJP1	March 2049
LS	13,690,352							
Combination 11								
LV	\$ 2,028,000	LY	\$ 6,254,705	SEQ	3.50%	FIX	38381TJQ9	March 2049
LZ	4,226,705							

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 12(5) LA	\$21,126,000	DA	\$21,126,000	SEQ	2.50%	FIX	38381TJR7	September 2045
		DB	21,126,000	SEQ	2.75	FIX	38381TJS5	September 2045
		DC	21,126,000	SEQ	3.00	FIX	38381TJT3	September 2045
		DE	21,126,000	SEQ	3.25	FIX	38381TJU0	September 2045
		DG	16,900,800	SEQ	3.75	FIX	38381TJV8	September 2045
		DH	14,084,000	SEQ	4.00	FIX	38381TJW6	September 2045
		DI	4,694,666	NTL(SEQ)	4.50	FIX/IO	38381TJX4	September 2045
		DJ	12,072,000	SEQ	4.25	FIX	38381TJY2	September 2045
		DK	10,563,000	SEQ	4.50	FIX	38381TJZ9	September 2045
		DL	9,389,333	SEQ	4.75	FIX	38381TKA2	September 2045
Security Group 5 Combination 13(5) GA GE	\$21,252,861 966,131	AI	\$ 2,221,899	NTL(SC/PAC)	5.00%	FIX/IO	38381TKB0	October 2048
		AP	22,218,992	SC/PAC	3.00	FIX	38381TKC8	October 2048
		AQ	22,218,992	SC/PAC	3.25	FIX	38381TKD6	October 2048
		AT	22,218,992	SC/PAC	3.50	FIX	38381TKE4	October 2048
Security Group 6 Combination 14(5) HA	\$50,576,906	CB	\$50,576,906	PAC	3.00%	FIX	38381TKF1	October 2048
		CD	50,576,906	PAC	3.05	FIX	38381TKG9	October 2048
		CE	50,576,906	PAC	3.10	FIX	38381TKH7	October 2048
		CG	50,576,906	PAC	3.15	FIX	38381TKJ3	October 2048
		CH	50,576,906	PAC	3.20	FIX	38381TKK0	October 2048
		CJ	50,576,906	PAC	3.25	FIX	38381TKL8	October 2048
		CK	50,576,906	PAC	3.30	FIX	38381TKM6	October 2048
		CL	50,576,906	PAC	3.35	FIX	38381TKN4	October 2048
		CM	50,576,906	PAC	3.40	FIX	38381TKP9	October 2048
		CN	50,576,906	PAC	3.45	FIX	38381TKQ7	October 2048
		IC	5,619,656	NTL(PAC)	4.50	FIX/IO	38381TKR5	October 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 15(5)								
AK	\$30,000,000	CP	\$30,000,000	SEQ	3.00%	FIX	38381TKS3	January 2047
		CQ	30,000,000	SEQ	3.25	FIX	38381TKT1	January 2047
		ID	3,333,333	NTL(SEQ)	4.50	FIX/IO	38381TKU8	January 2047
Combination 16								
AK	\$30,000,000	HT	\$35,276,354	PT	3.50%	FIX	38381TKV6	March 2049
AV	1,248,974							
AZ	2,600,120							
VA	1,427,260							
Combination 17								
UA	\$ 4,296,596	UC	\$ 8,593,191	SUP/AD	3.50%	FIX	38381TKW4	March 2049
UB	4,296,595							
Security Group 7								
Combination 18								
IO	\$25,385,545	PS	\$ 3,101,593	SC/PT	(6)	INV/DLY	38381TKX2	August 2048
PO	3,101,593							
Security Group 9								
Combination 19								
JA	\$63,547,000	JB	\$71,379,000	SEQ	4.50%	FIX	38381TKY0	December 2046
JW	7,832,000							
Combination 20								
JV	\$ 3,409,000	JY	\$13,196,449	SEQ	4.50%	FIX	38381TKZ7	March 2049
JZ	5,310,449							
VJ	4,477,000							
Security Group 10								
Combination 21								
KA	\$53,618,000	KB	\$60,556,000	SEQ	4.00%	FIX	38381TLA1	March 2046
KW	6,938,000							
Combination 22								
KV	\$ 3,520,000	KY	\$14,128,010	SEQ	4.00%	FIX	38381TLB9	March 2049
KZ	6,290,010							
VK	4,318,000							

REMIC Securities			MX Securities					
Class	Original Class Principal Balance or Class Notional Balance	Related MX Class	Maximum Original Class Principal Balance or Class Notional Balance(2)	Principal Type(3)	Interest Rate	Interest Type(3)	CUSIP Number	Final Distribution Date(4)
Security Group 12								
Combination 23(5)								
EA	\$32,241,304	EB	\$32,241,304	SEQ/AD	4.25%	FIX	38381TLC7	April 2048
		ED	32,241,304	SEQ/AD	4.00	FIX	38381TLD5	April 2048
		EG	32,241,304	SEQ/AD	3.75	FIX	38381TLE3	April 2048
		EH	32,241,304	SEQ/AD	3.50	FIX	38381TLF0	April 2048
		EK	19,344,782	SEQ/AD	5.50	FIX	38381TLG8	April 2048
		EM	32,241,304	SEQ/AD	3.25	FIX	38381TLH6	April 2048
		EN	32,241,304	SEQ/AD	3.00	FIX	38381TLJ2	April 2048
		EP	16,120,652	SEQ/AD	6.00	FIX	38381TLK9	April 2048
		IE	10,747,101	NTL(SEQ/AD)	4.50	FIX/IO	38381TLL7	April 2048
Security Group 13								
Combination 24(5)								
HP	\$25,000,000	HG	\$25,000,000	PAC/AD	4.00%	FIX	38381TLM5	February 2049
		HI	8,333,333	NTL(PAC/AD)	4.50	FIX/IO	38381TLN3	February 2049
		HJ	25,000,000	PAC/AD	3.75	FIX	38381TLP8	February 2049
		HK	25,000,000	PAC/AD	3.50	FIX	38381TLQ6	February 2049
		HM	25,000,000	PAC/AD	3.25	FIX	38381TLR4	February 2049
		HN	25,000,000	PAC/AD	3.00	FIX	38381TLS2	February 2049
Security Group 14								
Combination 25(5)								
JC	\$18,447,904	JD	\$18,447,904	PAC I	3.25%	FIX	38381TLT0	March 2049
		JE	18,447,904	PAC I	3.00	FIX	38381TLU7	March 2049
		JG	18,447,904	PAC I	2.75	FIX	38381TLV5	March 2049
		JH	18,447,904	PAC I	2.50	FIX	38381TLW3	March 2049
		JI	3,354,164	NTL(PAC I)	5.50	FIX/IO	38381TLX1	March 2049

REMIC Securities			MX Securities					
Class	Original Class Principal Balance or Class Notional Balance	Related MX Class	Maximum Original Class Principal Balance or Class Notional Balance(2)	Principal Type(3)	Interest Rate	Interest Type(3)	CUSIP Number	Final Distribution Date(4)
Security Group 15 Combination 26(5) CA	\$65,738,748	AB	\$65,738,748	PAC/AD	3.45%	FIX	38381TLY9	July 2048
		AC	65,738,748	PAC/AD	3.40	FIX	38381TLZ6	July 2048
		AD	65,738,748	PAC/AD	3.35	FIX	38381TMA0	July 2048
		AE	65,738,748	PAC/AD	3.30	FIX	38381TMB8	July 2048
		AG	65,738,748	PAC/AD	3.25	FIX	38381TMC6	July 2048
		AH	65,738,748	PAC/AD	3.20	FIX	38381TMD4	July 2048
		AJ	65,738,748	PAC/AD	3.15	FIX	38381TME2	July 2048
		AL	65,738,748	PAC/AD	3.10	FIX	38381TMF9	July 2048
		AM	65,738,748	PAC/AD	3.05	FIX	38381TMG7	July 2048
		AN	65,738,748	PAC/AD	3.00	FIX	38381TMH5	July 2048
		AW	32,869,374	PAC/AD	4.00	FIX	38381TMJ1	July 2048
		IA	6,573,874	NTL(PAC/AD)	5.00	FIX/IO	38381TMK8	July 2048
Combination 27(5) CA CY	\$65,738,748 4,240,448	A	\$69,979,196	PAC/AD	3.05%	FIX	38381TML6	March 2049
		B	69,979,196	PAC/AD	3.00	FIX	38381TMM4	March 2049
		BH	69,979,196	PAC/AD	3.50	FIX	38381TMN2	March 2049
		BJ	69,979,196	PAC/AD	3.45	FIX	38381TMP7	March 2049
		BK	69,979,196	PAC/AD	3.40	FIX	38381TMQ5	March 2049
		BL	69,979,196	PAC/AD	3.35	FIX	38381TMR3	March 2049
		BM	69,979,196	PAC/AD	3.30	FIX	38381TMS1	March 2049
		BN	69,979,196	PAC/AD	3.25	FIX	38381TMT9	March 2049
		BP	69,979,196	PAC/AD	3.20	FIX	38381TMU6	March 2049
		BQ	69,979,196	PAC/AD	3.15	FIX	38381TMV4	March 2049
		BT	69,979,196	PAC/AD	3.10	FIX	38381TMW2	March 2049
		BW	34,989,598	PAC/AD	4.00	FIX	38381TMX0	March 2049
CI	6,997,919	NTL(PAC/AD)	5.00	FIX/IO	38381TMY8	March 2049		
Combination 28 ZA ZC	\$ 4,290,870 5,736,870	CZ	\$10,027,740	SUP	4.25%	FIX/Z	38381TMZ5	March 2049

REMIC Securities		MX Securities						
Class	Original Class Principal Balance or Class Notional Balance	Related MX Class	Maximum Original Class Principal Balance or Class Notional Balance(2)	Principal Type(3)	Interest Rate	Interest Type(3)	CUSIP Number	Final Distribution Date(4)
Security Group 16								
Combination 29								
DS	\$52,666,666	AS	\$81,899,999	NTL(PT)	(6)	INV/IO	38381TNA9	March 2049
ES	29,233,333							
Combination 30								
GS	\$30,308,333	BS	\$79,855,394	NTL(PT)	(6)	INV/IO	38381TNB7	March 2049
KS	49,547,061							
Combination 31								
ZB	\$ 7,484,317	Z	\$18,659,985	SUP	4.25%	FIX/Z	38381TNC5	March 2049
ZK	11,175,668							
Combination 32								
FG	\$13,888,888	FP	\$46,960,249	PAC/SCH/AD	(6)	FLT	38381TND3	March 2049
FL	21,960,250							
TF	11,111,111							
Combination 33								
SG	\$13,888,888	SP	\$46,960,249	NTL(PAC/SCH/AD)	(6)	INV/IO	38381TNE1	March 2049
SL	21,960,250							
TS	11,111,111							

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

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

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

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

(5) In the case of Combinations 1, 2, 12, 13, 14, 15, 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.

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

Schedule II

SCHEDULED PRINCIPAL BALANCES

Distribution Date	Classes BA, BY and PY (in the aggregate)	Classes MA, MQ and MW (in the aggregate)	Classes MK and MZ (in the aggregate)
Initial Balance	\$67,762,043.00	\$33,858,000.00	\$6,657,000.00
April 2019	67,342,607.17	33,760,083.89	6,630,249.35
May 2019	66,902,004.04	33,650,997.31	6,596,850.84
June 2019	66,440,525.91	33,530,789.00	6,556,842.02
July 2019	65,958,483.85	33,399,516.31	6,510,273.78
August 2019	65,456,207.31	33,257,245.18	6,457,210.25
September 2019	64,934,043.78	33,104,050.13	6,397,728.80
October 2019	64,392,358.37	32,940,014.16	6,331,919.98
November 2019	63,831,533.37	32,765,228.69	6,259,887.38
December 2019	63,251,967.80	32,579,793.56	6,181,747.45
January 2020	62,654,076.94	32,383,816.84	6,097,629.42
February 2020	62,038,291.78	32,177,414.82	6,007,674.98
March 2020	61,405,058.53	31,960,711.87	5,912,038.06
April 2020	60,754,838.03	31,733,840.31	5,810,884.61
May 2020	60,088,105.16	31,496,940.33	5,704,392.18
June 2020	59,405,348.27	31,250,159.79	5,592,749.69
July 2020	58,707,068.55	30,993,654.13	5,476,156.95
August 2020	57,993,779.35	30,727,586.17	5,354,824.34
September 2020	57,266,005.57	30,452,125.97	5,228,972.30
October 2020	56,545,177.69	30,167,450.64	5,098,830.91
November 2020	55,831,227.68	29,873,744.16	4,964,639.40
December 2020	55,124,088.16	29,571,197.18	4,826,645.61
January 2021	54,423,692.37	29,260,006.80	4,685,105.45
February 2021	53,729,974.19	28,940,376.40	4,540,282.35
March 2021	53,042,868.12	28,612,515.37	4,392,446.66
April 2021	52,362,309.25	28,276,638.90	4,241,875.06
May 2021	51,688,233.32	27,932,967.77	4,088,849.91
June 2021	51,020,576.64	27,581,728.05	3,933,658.61
July 2021	50,359,276.15	27,233,434.43	3,782,472.94
August 2021	49,704,269.36	26,888,063.11	3,635,223.41
September 2021	49,055,494.38	26,545,590.49	3,491,841.60
October 2021	48,412,889.89	26,205,993.16	3,352,260.06
November 2021	47,776,395.16	25,869,247.90	3,216,412.41
December 2021	47,145,950.01	25,535,331.66	3,084,233.24
January 2022	46,521,494.86	25,204,221.58	2,955,658.16
February 2022	45,902,970.66	24,875,894.99	2,830,623.72
March 2022	45,290,318.94	24,550,329.38	2,709,067.45
April 2022	44,683,481.74	24,227,502.44	2,590,927.81
May 2022	44,082,401.70	23,907,392.04	2,476,144.21
June 2022	43,487,021.96	23,589,976.19	2,364,656.98
July 2022	42,897,286.20	23,275,233.11	2,256,407.34
August 2022	42,313,138.64	22,963,141.19	2,151,337.41
September 2022	41,734,524.02	22,653,678.97	2,049,390.22

<u>Distribution Date</u>	<u>Classes BA, BY and PY (in the aggregate)</u>	<u>Classes MA, MQ and MW (in the aggregate)</u>	<u>Classes MK and MZ (in the aggregate)</u>
October 2022	\$41,161,387.61	\$22,346,825.19	\$1,950,509.61
November 2022	40,593,675.17	22,042,558.73	1,854,640.33
December 2022	40,031,333.00	21,740,858.66	1,761,727.95
January 2023	39,474,307.88	21,441,704.21	1,671,718.88
February 2023	38,922,547.10	21,145,074.76	1,584,560.36
March 2023	38,375,998.46	20,850,949.87	1,500,200.42
April 2023	37,834,610.23	20,559,309.27	1,418,587.88
May 2023	37,298,331.17	20,270,132.83	1,339,672.39
June 2023	36,767,110.54	19,983,400.60	1,263,404.32
July 2023	36,240,898.05	19,699,092.77	1,189,734.85
August 2023	35,719,643.91	19,417,189.70	1,118,615.88
September 2023	35,203,298.78	19,137,671.91	1,050,000.07
October 2023	34,691,813.79	18,860,520.05	983,840.83
November 2023	34,185,140.54	18,585,714.96	920,092.25
December 2023	33,683,231.06	18,313,237.61	858,709.14
January 2024	33,186,037.86	18,043,069.12	799,647.05
February 2024	32,693,513.88	17,775,190.76	742,862.19
March 2024	32,205,612.51	17,509,583.97	688,311.44
April 2024	31,722,287.56	17,246,230.32	635,952.37
May 2024	31,243,493.31	16,985,111.52	585,743.21
June 2024	30,769,184.44	16,726,209.45	537,642.84
July 2024	30,299,316.07	16,469,506.10	491,610.79
August 2024	29,833,843.73	16,214,983.63	447,607.22
September 2024	29,372,723.39	15,962,624.34	405,592.90
October 2024	28,918,302.24	15,712,410.66	365,529.23
November 2024	28,470,574.02	15,464,325.17	327,378.23
December 2024	28,029,443.02	15,218,350.57	291,102.49
January 2025	27,594,814.87	14,974,469.73	256,665.21
February 2025	27,166,596.55	14,732,665.62	224,030.16
March 2025	26,744,696.31	14,492,921.38	193,161.69
April 2025	26,329,023.70	14,255,220.26	164,024.70
May 2025	25,919,489.56	14,019,545.65	137,009.51
June 2025	25,516,005.95	13,785,881.08	112,614.92
July 2025	25,118,486.20	13,554,210.19	90,777.38
August 2025	24,726,844.82	13,324,516.78	71,434.55
September 2025	24,340,997.56	13,096,784.76	54,525.28
October 2025	23,960,861.31	12,870,998.17	39,989.64
November 2025	23,586,354.18	12,647,141.19	27,768.85
December 2025	23,217,395.38	12,425,198.09	17,805.27
January 2026	22,853,905.30	12,205,153.32	10,042.39
February 2026	22,495,805.42	11,986,991.41	4,424.79
March 2026	22,143,018.34	11,770,697.02	898.16
April 2026	21,795,467.74	11,556,254.96	0.00
May 2026	21,453,078.38	11,344,146.69	0.00
June 2026	21,115,776.07	11,135,794.97	0.00
July 2026	20,783,487.68	10,931,134.79	0.00
August 2026	20,456,141.11	10,730,102.22	0.00

<u>Distribution Date</u>	<u>Classes BA, BY and PY (in the aggregate)</u>	<u>Classes MA, MQ and MW (in the aggregate)</u>	<u>Classes MK and MZ (in the aggregate)</u>
September 2026	\$20,133,665.25	\$10,532,634.43	\$ 0.00
October 2026	19,815,990.01	10,338,669.65	0.00
November 2026	19,503,046.30	10,148,147.20	0.00
December 2026	19,194,765.98	9,961,007.38	0.00
January 2027	18,891,081.87	9,777,191.56	0.00
February 2027	18,591,927.77	9,596,642.07	0.00
March 2027	18,297,238.38	9,419,302.26	0.00
April 2027	18,006,949.33	9,245,116.42	0.00
May 2027	17,720,997.16	9,074,029.81	0.00
June 2027	17,439,319.31	8,905,988.61	0.00
July 2027	17,161,854.10	8,740,939.93	0.00
August 2027	16,888,540.71	8,578,831.77	0.00
September 2027	16,619,319.19	8,419,613.04	0.00
October 2027	16,354,130.44	8,263,233.51	0.00
November 2027	16,092,916.19	8,109,643.81	0.00
December 2027	15,835,618.98	7,958,795.41	0.00
January 2028	15,582,182.18	7,810,640.61	0.00
February 2028	15,332,549.96	7,665,132.55	0.00
March 2028	15,086,667.27	7,522,225.14	0.00
April 2028	14,844,479.84	7,381,873.08	0.00
May 2028	14,605,934.17	7,244,031.88	0.00
June 2028	14,370,977.52	7,108,657.77	0.00
July 2028	14,139,557.88	6,975,707.76	0.00
August 2028	13,911,624.01	6,845,139.58	0.00
September 2028	13,687,125.35	6,716,911.68	0.00
October 2028	13,466,012.10	6,590,983.24	0.00
November 2028	13,248,235.14	6,467,314.13	0.00
December 2028	13,033,746.04	6,345,864.91	0.00
January 2029	12,822,497.07	6,226,596.80	0.00
February 2029	12,614,441.18	6,109,471.71	0.00
March 2029	12,409,531.98	5,994,452.20	0.00
April 2029	12,207,723.72	5,881,501.44	0.00
May 2029	12,008,971.34	5,770,583.29	0.00
June 2029	11,813,230.38	5,661,662.17	0.00
July 2029	11,620,457.04	5,554,703.14	0.00
August 2029	11,430,608.11	5,449,671.88	0.00
September 2029	11,243,641.02	5,346,534.61	0.00
October 2029	11,059,513.79	5,245,258.18	0.00
November 2029	10,878,185.05	5,145,809.97	0.00
December 2029	10,699,614.01	5,048,157.95	0.00
January 2030	10,523,760.44	4,952,270.63	0.00
February 2030	10,350,584.72	4,858,117.05	0.00
March 2030	10,180,047.77	4,765,666.79	0.00
April 2030	10,012,111.06	4,674,889.97	0.00
May 2030	9,846,736.62	4,585,757.20	0.00
June 2030	9,683,887.01	4,498,239.62	0.00
July 2030	9,523,525.35	4,412,308.83	0.00

<u>Distribution Date</u>	<u>Classes BA, BY and PY (in the aggregate)</u>	<u>Classes MA, MQ and MW (in the aggregate)</u>	<u>Classes MK and MZ (in the aggregate)</u>
August 2030	\$ 9,365,615.24	\$ 4,327,936.96	\$ 0.00
September 2030	9,210,120.84	4,245,096.59	0.00
October 2030	9,057,006.79	4,163,760.79	0.00
November 2030	8,906,238.25	4,083,903.09	0.00
December 2030	8,757,780.88	4,005,497.47	0.00
January 2031	8,611,600.82	3,928,518.37	0.00
February 2031	8,467,664.68	3,852,940.65	0.00
March 2031	8,325,939.57	3,778,739.63	0.00
April 2031	8,186,393.06	3,705,891.04	0.00
May 2031	8,048,993.19	3,634,371.04	0.00
June 2031	7,913,708.43	3,564,156.17	0.00
July 2031	7,780,507.73	3,495,223.42	0.00
August 2031	7,649,360.46	3,427,550.15	0.00
September 2031	7,520,236.45	3,361,114.11	0.00
October 2031	7,393,105.94	3,295,893.45	0.00
November 2031	7,267,939.62	3,231,866.69	0.00
December 2031	7,144,708.56	3,169,012.72	0.00
January 2032	7,023,384.28	3,107,310.78	0.00
February 2032	6,903,938.69	3,046,740.51	0.00
March 2032	6,786,344.11	2,987,281.85	0.00
April 2032	6,670,573.24	2,928,915.14	0.00
May 2032	6,556,599.20	2,871,621.01	0.00
June 2032	6,444,395.46	2,815,380.47	0.00
July 2032	6,333,935.89	2,760,174.83	0.00
August 2032	6,225,194.74	2,705,985.73	0.00
September 2032	6,118,146.60	2,652,795.13	0.00
October 2032	6,012,766.47	2,600,585.31	0.00
November 2032	5,909,029.66	2,549,338.84	0.00
December 2032	5,806,911.87	2,499,038.61	0.00
January 2033	5,706,389.12	2,449,667.81	0.00
February 2033	5,607,437.80	2,401,209.89	0.00
March 2033	5,510,034.62	2,353,648.61	0.00
April 2033	5,414,156.64	2,306,968.03	0.00
May 2033	5,319,781.23	2,261,152.45	0.00
June 2033	5,226,886.10	2,216,186.47	0.00
July 2033	5,135,449.28	2,172,054.95	0.00
August 2033	5,045,449.11	2,128,742.99	0.00
September 2033	4,956,864.23	2,086,235.99	0.00
October 2033	4,869,673.62	2,044,519.58	0.00
November 2033	4,783,856.53	2,003,579.64	0.00
December 2033	4,699,392.53	1,963,402.31	0.00
January 2034	4,616,261.46	1,923,973.94	0.00
February 2034	4,534,443.48	1,885,281.16	0.00
March 2034	4,453,919.01	1,847,310.80	0.00
April 2034	4,374,668.77	1,810,049.93	0.00
May 2034	4,296,673.75	1,773,485.86	0.00
June 2034	4,219,915.20	1,737,606.09	0.00

<u>Distribution Date</u>	<u>Classes BA, BY and PY (in the aggregate)</u>	<u>Classes MA, MQ and MW (in the aggregate)</u>	<u>Classes MK and MZ (in the aggregate)</u>
July 2034	\$ 4,144,374.68	\$ 1,702,398.36	\$ 0.00
August 2034	4,070,033.98	1,667,850.63	0.00
September 2034	3,996,875.15	1,633,951.04	0.00
October 2034	3,924,880.53	1,600,687.98	0.00
November 2034	3,854,032.70	1,568,050.00	0.00
December 2034	3,784,314.47	1,536,025.89	0.00
January 2035	3,715,708.94	1,504,604.59	0.00
February 2035	3,648,199.41	1,473,775.27	0.00
March 2035	3,581,769.46	1,443,527.29	0.00
April 2035	3,516,402.88	1,413,850.17	0.00
May 2035	3,452,083.71	1,384,733.62	0.00
June 2035	3,388,796.22	1,356,167.56	0.00
July 2035	3,326,524.90	1,328,142.04	0.00
August 2035	3,265,254.46	1,300,647.33	0.00
September 2035	3,204,969.85	1,273,673.84	0.00
October 2035	3,145,656.22	1,247,212.15	0.00
November 2035	3,087,298.95	1,221,253.01	0.00
December 2035	3,029,883.62	1,195,787.35	0.00
January 2036	2,973,396.03	1,170,806.23	0.00
February 2036	2,917,822.17	1,146,300.89	0.00
March 2036	2,863,148.26	1,122,262.70	0.00
April 2036	2,809,360.69	1,098,683.21	0.00
May 2036	2,756,446.06	1,075,554.10	0.00
June 2036	2,704,391.17	1,052,867.19	0.00
July 2036	2,653,183.01	1,030,614.47	0.00
August 2036	2,602,808.75	1,008,788.04	0.00
September 2036	2,553,255.77	987,380.16	0.00
October 2036	2,504,511.59	966,383.23	0.00
November 2036	2,456,563.97	945,789.75	0.00
December 2036	2,409,400.79	925,592.40	0.00
January 2037	2,363,010.15	905,783.95	0.00
February 2037	2,317,380.30	886,357.32	0.00
March 2037	2,272,499.67	867,305.55	0.00
April 2037	2,228,356.85	848,621.78	0.00
May 2037	2,184,940.62	830,299.32	0.00
June 2037	2,142,239.89	812,331.54	0.00
July 2037	2,100,243.76	794,711.98	0.00
August 2037	2,058,941.48	777,434.26	0.00
September 2037	2,018,322.44	760,492.12	0.00
October 2037	1,978,376.22	743,879.42	0.00
November 2037	1,939,092.52	727,590.12	0.00
December 2037	1,900,461.20	711,618.29	0.00
January 2038	1,862,472.29	695,958.10	0.00
February 2038	1,825,115.93	680,603.83	0.00
March 2038	1,788,382.42	665,549.86	0.00
April 2038	1,752,262.23	650,790.67	0.00
May 2038	1,716,745.91	636,320.83	0.00

<u>Distribution Date</u>	<u>Classes BA, BY and PY (in the aggregate)</u>	<u>Classes MA, MQ and MW (in the aggregate)</u>	<u>Classes MK and MZ (in the aggregate)</u>
June 2038	\$ 1,681,824.21	\$ 622,135.02	\$ 0.00
July 2038	1,647,487.97	608,228.00	0.00
August 2038	1,613,728.20	594,594.64	0.00
September 2038	1,580,536.00	581,229.88	0.00
October 2038	1,547,902.65	568,128.76	0.00
November 2038	1,515,819.52	555,286.42	0.00
December 2038	1,484,278.13	542,698.07	0.00
January 2039	1,453,270.10	530,359.01	0.00
February 2039	1,422,787.20	518,264.62	0.00
March 2039	1,392,821.31	506,410.38	0.00
April 2039	1,363,364.42	494,791.82	0.00
May 2039	1,334,408.66	483,404.58	0.00
June 2039	1,305,946.25	472,244.36	0.00
July 2039	1,277,969.54	461,306.94	0.00
August 2039	1,250,471.00	450,588.18	0.00
September 2039	1,223,443.19	440,084.01	0.00
October 2039	1,196,878.80	429,790.43	0.00
November 2039	1,170,770.61	419,703.52	0.00
December 2039	1,145,111.53	409,819.41	0.00
January 2040	1,119,894.55	400,134.34	0.00
February 2040	1,095,112.78	390,644.57	0.00
March 2040	1,070,759.42	381,346.45	0.00
April 2040	1,046,827.78	372,236.41	0.00
May 2040	1,023,311.28	363,310.90	0.00
June 2040	1,000,203.40	354,566.49	0.00
July 2040	977,497.76	345,999.77	0.00
August 2040	955,188.04	337,607.40	0.00
September 2040	933,268.04	329,386.11	0.00
October 2040	911,731.64	321,332.68	0.00
November 2040	890,572.81	313,443.95	0.00
December 2040	869,785.61	305,716.82	0.00
January 2041	849,364.19	298,148.24	0.00
February 2041	829,302.79	290,735.22	0.00
March 2041	809,595.72	283,474.83	0.00
April 2041	790,237.41	276,364.17	0.00
May 2041	771,222.33	269,400.41	0.00
June 2041	752,545.06	262,580.78	0.00
July 2041	734,200.26	255,902.54	0.00
August 2041	716,182.65	249,363.00	0.00
September 2041	698,487.05	242,959.54	0.00
October 2041	681,108.35	236,689.57	0.00
November 2041	664,041.51	230,550.54	0.00
December 2041	647,281.58	224,539.97	0.00
January 2042	630,823.67	218,655.40	0.00
February 2042	614,662.96	212,894.44	0.00
March 2042	598,794.73	207,254.72	0.00
April 2042	583,214.29	201,733.92	0.00

<u>Distribution Date</u>	<u>Classes BA, BY and PY (in the aggregate)</u>	<u>Classes MA, MQ and MW (in the aggregate)</u>	<u>Classes MK and MZ (in the aggregate)</u>
May 2042	\$ 567,917.06	\$ 196,329.77	\$ 0.00
June 2042	552,898.49	191,040.03	0.00
July 2042	538,154.14	185,862.51	0.00
August 2042	523,679.60	180,795.06	0.00
September 2042	509,470.55	175,835.56	0.00
October 2042	495,522.72	170,981.93	0.00
November 2042	481,831.91	166,232.15	0.00
December 2042	468,393.99	161,584.19	0.00
January 2043	455,204.88	157,036.11	0.00
February 2043	442,260.58	152,585.97	0.00
March 2043	429,557.12	148,231.88	0.00
April 2043	417,090.61	143,971.98	0.00
May 2043	404,857.23	139,804.44	0.00
June 2043	392,853.20	135,727.48	0.00
July 2043	381,074.79	131,739.33	0.00
August 2043	369,518.34	127,838.27	0.00
September 2043	358,180.25	124,022.60	0.00
October 2043	347,056.97	120,290.65	0.00
November 2043	336,144.99	116,640.80	0.00
December 2043	325,440.87	113,071.45	0.00
January 2044	314,941.22	109,581.01	0.00
February 2044	304,642.70	106,167.94	0.00
March 2044	294,542.00	102,830.73	0.00
April 2044	284,635.90	99,567.89	0.00
May 2044	274,921.20	96,377.95	0.00
June 2044	265,394.75	93,259.48	0.00
July 2044	256,053.46	90,211.08	0.00
August 2044	246,894.29	87,231.35	0.00
September 2044	237,914.22	84,318.96	0.00
October 2044	229,110.31	81,472.55	0.00
November 2044	220,479.65	78,690.84	0.00
December 2044	212,019.36	75,972.53	0.00
January 2045	203,726.62	73,316.36	0.00
February 2045	195,598.65	70,721.11	0.00
March 2045	187,632.73	68,185.55	0.00
April 2045	179,826.14	65,708.51	0.00
May 2045	172,176.24	63,288.80	0.00
June 2045	164,680.42	60,925.29	0.00
July 2045	157,336.10	58,616.85	0.00
August 2045	150,140.74	56,362.37	0.00
September 2045	143,091.86	54,160.78	0.00
October 2045	136,186.99	52,011.00	0.00
November 2045	129,423.72	49,912.01	0.00
December 2045	122,799.67	47,862.76	0.00
January 2046	116,312.49	45,862.27	0.00
February 2046	109,959.88	43,909.53	0.00
March 2046	103,739.55	42,003.59	0.00

<u>Distribution Date</u>	<u>Classes BA, BY and PY (in the aggregate)</u>	<u>Classes MA, MQ and MW (in the aggregate)</u>	<u>Classes MK and MZ (in the aggregate)</u>
April 2046	\$ 97,649.28	\$ 40,143.50	\$ 0.00
May 2046	91,686.86	38,328.32	0.00
June 2046	85,850.12	36,557.14	0.00
July 2046	80,136.92	34,829.07	0.00
August 2046	74,545.17	33,143.22	0.00
September 2046	69,072.79	31,498.73	0.00
October 2046	63,717.75	29,894.75	0.00
November 2046	58,478.03	28,330.46	0.00
December 2046	53,351.67	26,805.03	0.00
January 2047	48,336.72	25,317.67	0.00
February 2047	43,431.27	23,867.59	0.00
March 2047	38,633.43	22,454.03	0.00
April 2047	33,941.34	21,076.22	0.00
May 2047	29,353.19	19,733.42	0.00
June 2047	24,867.17	18,424.92	0.00
July 2047	20,481.52	17,149.99	0.00
August 2047	16,194.49	15,907.94	0.00
September 2047	12,004.37	14,698.07	0.00
October 2047	7,909.48	13,519.72	0.00
November 2047	3,908.14	12,372.23	0.00
December 2047	0.00	11,254.94	0.00
January 2048	0.00	10,167.22	0.00
February 2048	0.00	9,108.46	0.00
March 2048	0.00	8,078.02	0.00
April 2048	0.00	7,075.33	0.00
May 2048	0.00	6,099.79	0.00
June 2048	0.00	5,150.81	0.00
July 2048	0.00	4,227.85	0.00
August 2048	0.00	3,330.33	0.00
September 2048	0.00	2,457.72	0.00
October 2048	0.00	1,609.49	0.00
November 2048	0.00	785.10	0.00
December 2048 and thereafter	0.00	0.00	0.00

Distribution Date	Classes NA, NQ and NW (in the aggregate)	Classes NK and NZ (in the aggregate)	Classes GA and GE (in the aggregate)	Classes HA and HY (in the aggregate)
Initial Balance	\$19,443,000.00	\$3,565,000.00	\$22,218,992.00	\$52,739,143.00
April 2019	19,395,366.62	3,554,270.36	22,135,155.50	52,601,589.11
May 2019	19,341,162.12	3,539,968.44	22,043,575.01	52,443,298.78
June 2019	19,280,408.28	3,522,106.30	21,944,304.12	52,264,348.14
July 2019	19,213,132.10	3,500,703.18	21,837,403.42	52,064,834.52
August 2019	19,139,365.81	3,475,785.54	21,722,940.42	51,844,876.46
September 2019	19,059,146.83	3,447,387.06	21,600,989.51	51,604,613.65
October 2019	18,972,517.78	3,415,548.60	21,471,631.89	51,344,206.82
November 2019	18,879,526.43	3,380,318.16	21,334,955.48	51,063,837.65
December 2019	18,780,225.66	3,341,750.84	21,191,054.85	50,763,708.54
January 2020	18,674,673.44	3,299,908.75	21,040,031.08	50,444,042.49
February 2020	18,562,932.77	3,254,860.92	20,881,991.72	50,105,082.78
March 2020	18,445,071.61	3,206,683.18	20,717,050.59	49,747,092.77
April 2020	18,321,162.85	3,155,458.02	20,545,327.69	49,370,355.54
May 2020	18,191,284.19	3,101,274.48	20,366,949.08	48,975,173.59
June 2020	18,055,518.13	3,044,227.91	20,182,046.67	48,561,868.41
July 2020	17,913,951.83	2,984,419.87	19,990,758.14	48,130,780.10
August 2020	17,766,677.04	2,921,957.85	19,793,226.69	47,682,266.95
September 2020	17,613,790.02	2,856,955.09	19,589,600.93	47,216,704.89
October 2020	17,455,391.41	2,789,530.35	19,380,034.66	46,734,487.05
November 2020	17,291,586.16	2,719,807.62	19,164,686.69	46,236,023.19
December 2020	17,122,483.37	2,647,915.91	18,943,842.45	45,721,739.10
January 2021	16,948,196.21	2,573,988.90	18,717,666.67	45,192,076.05
February 2021	16,768,841.76	2,498,164.73	18,486,328.42	44,647,490.15
March 2021	16,584,540.93	2,420,585.59	18,251,124.27	44,088,451.67
April 2021	16,395,418.26	2,341,397.49	18,016,470.08	43,515,444.38
May 2021	16,201,601.83	2,260,749.90	17,784,110.82	42,928,964.84
June 2021	16,003,223.10	2,178,795.36	17,554,024.74	42,329,521.68
July 2021	15,800,416.74	2,095,689.22	17,326,190.28	41,717,634.84
August 2021	15,599,355.76	2,014,739.33	17,100,586.10	41,112,702.52
September 2021	15,400,025.66	1,935,908.07	16,877,191.05	40,514,647.98
October 2021	15,202,412.02	1,859,158.48	16,655,984.17	39,923,395.27
November 2021	15,006,500.59	1,784,454.08	16,436,944.72	39,338,869.31
December 2021	14,812,277.19	1,711,758.98	16,220,052.12	38,760,995.81
January 2022	14,619,727.79	1,641,037.82	16,005,286.01	38,189,701.28
February 2022	14,428,838.46	1,572,255.78	15,792,626.21	37,624,913.06
March 2022	14,239,595.39	1,505,378.58	15,582,052.73	37,066,559.24
April 2022	14,051,984.88	1,440,372.42	15,373,545.76	36,514,568.71
May 2022	13,865,993.33	1,377,204.09	15,167,085.68	35,968,871.15
June 2022	13,681,607.28	1,315,840.79	14,962,653.06	35,429,396.97
July 2022	13,498,813.35	1,256,250.31	14,760,228.64	34,896,077.37
August 2022	13,317,598.30	1,198,400.86	14,559,793.36	34,368,844.26
September 2022	13,137,948.96	1,142,261.19	14,361,328.30	33,847,630.32
October 2022	12,959,852.32	1,087,800.48	14,164,814.76	33,332,368.96
November 2022	12,783,295.42	1,034,988.42	13,970,234.19	32,822,994.30
December 2022	12,608,265.44	983,795.16	13,777,568.22	32,319,441.17
January 2023	12,434,749.67	934,191.28	13,586,798.65	31,821,645.15

<u>Distribution Date</u>	<u>Classes NA, NQ and NW (in the aggregate)</u>	<u>Classes NK and NZ (in the aggregate)</u>	<u>Classes GA and GE (in the aggregate)</u>	<u>Classes HA and HY (in the aggregate)</u>
February 2023	\$12,262,735.49	\$ 886,147.83	\$13,397,907.45	\$31,329,542.47
March 2023	12,092,210.37	839,636.32	13,210,876.76	30,843,070.08
April 2023	11,923,161.92	794,628.68	13,025,688.88	30,362,165.61
May 2023	11,755,577.82	751,097.26	12,842,326.29	29,886,767.38
June 2023	11,589,445.86	709,014.88	12,660,771.63	29,416,814.36
July 2023	11,424,753.94	668,354.73	12,481,007.70	28,952,246.20
August 2023	11,261,490.04	629,090.46	12,303,017.44	28,493,003.20
September 2023	11,099,642.26	591,196.09	12,126,784.00	28,039,026.32
October 2023	10,939,198.78	554,646.07	11,952,290.63	27,590,257.14
November 2023	10,780,147.89	519,415.23	11,779,520.76	27,146,637.90
December 2023	10,622,477.97	485,478.80	11,608,458.01	26,708,111.46
January 2024	10,466,177.49	452,812.39	11,439,086.10	26,274,621.30
February 2024	10,311,235.03	421,391.99	11,271,388.92	25,846,111.52
March 2024	10,157,639.25	391,193.98	11,105,350.53	25,422,526.82
April 2024	10,005,378.90	362,195.09	10,940,955.11	25,003,812.50
May 2024	9,854,442.84	334,372.42	10,778,187.01	24,589,914.49
June 2024	9,704,820.01	307,703.42	10,617,030.72	24,180,779.26
July 2024	9,556,499.44	282,165.93	10,457,470.88	23,776,353.90
August 2024	9,409,470.25	257,738.09	10,299,492.25	23,376,586.06
September 2024	9,263,721.66	234,398.40	10,143,079.77	22,981,423.96
October 2024	9,119,242.95	212,125.73	9,988,218.48	22,590,816.39
November 2024	8,976,023.53	190,899.24	9,834,893.61	22,204,712.70
December 2024	8,834,052.87	170,698.44	9,683,090.47	21,823,062.79
January 2025	8,693,320.52	151,503.17	9,532,794.56	21,445,817.09
February 2025	8,553,816.13	133,293.57	9,383,991.50	21,072,926.61
March 2025	8,415,529.45	116,050.09	9,236,667.01	20,704,342.86
April 2025	8,278,450.28	99,753.54	9,090,806.99	20,340,017.88
May 2025	8,142,568.52	84,384.98	8,946,397.45	19,979,904.26
June 2025	8,007,874.15	70,012.17	8,803,424.54	19,623,955.07
July 2025	7,874,357.26	57,075.90	8,661,874.53	19,272,123.93
August 2025	7,742,007.97	45,541.16	8,521,733.84	18,924,364.95
September 2025	7,610,816.51	35,373.59	8,382,988.98	18,580,632.72
October 2025	7,480,773.21	26,539.45	8,245,626.62	18,240,882.36
November 2025	7,351,868.44	19,005.73	8,109,633.53	17,906,927.45
December 2025	7,224,092.67	12,740.01	7,974,996.64	17,578,879.15
January 2026	7,097,436.44	7,710.55	7,841,702.96	17,256,635.29
February 2026	6,971,890.39	3,886.18	7,710,333.21	16,940,095.42
March 2026	6,847,445.20	1,236.38	7,581,072.91	16,629,160.84
April 2026	6,724,091.67	0.00	7,453,889.04	16,323,734.49
May 2026	6,601,820.63	0.00	7,328,749.06	16,023,720.99
June 2026	6,481,319.63	0.00	7,205,620.98	15,729,026.60
July 2026	6,362,941.36	0.00	7,084,473.25	15,439,559.13
August 2026	6,246,649.27	0.00	6,965,274.86	15,155,228.02
September 2026	6,132,407.39	0.00	6,847,995.22	14,875,944.22
October 2026	6,020,180.40	0.00	6,732,604.27	14,601,620.20
November 2026	5,909,933.55	0.00	6,619,072.38	14,332,169.95
December 2026	5,801,632.70	0.00	6,507,370.38	14,067,508.90

Distribution Date	Classes NA, NQ and NW (in the aggregate)	Classes NK and NZ (in the aggregate)	Classes GA and GE (in the aggregate)	Classes HA and HY (in the aggregate)
January 2027	\$ 5,695,244.28	\$ 0.00	\$ 6,397,469.56	\$13,807,553.93
February 2027	5,590,735.29	0.00	6,289,341.63	13,552,223.36
March 2027	5,488,073.30	0.00	6,182,958.77	13,301,436.88
April 2027	5,387,226.42	0.00	6,078,293.57	13,055,115.56
May 2027	5,288,163.31	0.00	5,975,319.05	12,813,181.83
June 2027	5,190,853.15	0.00	5,874,008.63	12,575,559.43
July 2027	5,095,265.68	0.00	5,774,336.17	12,342,173.42
August 2027	5,001,371.10	0.00	5,676,275.90	12,112,950.13
September 2027	4,909,140.16	0.00	5,579,802.47	11,887,817.14
October 2027	4,818,544.09	0.00	5,484,890.93	11,666,703.29
November 2027	4,729,554.61	0.00	5,391,516.69	11,449,538.64
December 2027	4,642,143.93	0.00	5,299,655.55	11,236,254.41
January 2028	4,556,284.73	0.00	5,209,283.70	11,026,783.05
February 2028	4,471,950.14	0.00	5,120,377.67	10,821,058.12
March 2028	4,389,113.77	0.00	5,032,914.39	10,619,014.34
April 2028	4,307,749.67	0.00	4,946,871.10	10,420,587.55
May 2028	4,227,832.33	0.00	4,862,225.43	10,225,714.68
June 2028	4,149,336.67	0.00	4,778,955.34	10,034,333.75
July 2028	4,072,238.05	0.00	4,697,039.14	9,846,383.84
August 2028	3,996,512.25	0.00	4,616,455.46	9,661,805.05
September 2028	3,922,135.44	0.00	4,537,183.29	9,480,538.55
October 2028	3,849,084.23	0.00	4,459,201.90	9,302,526.49
November 2028	3,777,335.61	0.00	4,382,490.93	9,127,712.02
December 2028	3,706,866.96	0.00	4,307,030.31	8,956,039.25
January 2029	3,637,656.05	0.00	4,232,800.27	8,787,453.29
February 2029	3,569,681.03	0.00	4,159,781.37	8,621,900.14
March 2029	3,502,920.43	0.00	4,087,954.46	8,459,326.77
April 2029	3,437,353.13	0.00	4,017,300.69	8,299,681.04
May 2029	3,372,958.39	0.00	3,947,801.52	8,142,911.70
June 2029	3,309,715.80	0.00	3,879,438.64	7,988,968.40
July 2029	3,247,605.34	0.00	3,812,194.09	7,837,801.63
August 2029	3,186,607.28	0.00	3,746,050.16	7,689,362.76
September 2029	3,126,702.26	0.00	3,680,989.40	7,543,603.97
October 2029	3,067,871.25	0.00	3,616,994.66	7,400,478.28
November 2029	3,010,095.54	0.00	3,554,049.04	7,259,939.50
December 2029	2,953,356.73	0.00	3,492,135.92	7,121,942.26
January 2030	2,897,636.74	0.00	3,431,238.90	6,986,441.94
February 2030	2,842,917.82	0.00	3,371,341.87	6,853,394.72
March 2030	2,789,182.50	0.00	3,312,428.97	6,722,757.51
April 2030	2,736,413.61	0.00	3,254,484.56	6,594,487.97
May 2030	2,684,594.29	0.00	3,197,493.27	6,468,544.49
June 2030	2,633,707.95	0.00	3,141,439.95	6,344,886.18
July 2030	2,583,738.30	0.00	3,086,309.69	6,223,472.85
August 2030	2,534,669.31	0.00	3,032,087.82	6,104,264.99
September 2030	2,486,485.25	0.00	2,978,759.91	5,987,223.80
October 2030	2,439,170.64	0.00	2,926,311.71	5,872,311.12
November 2030	2,392,710.28	0.00	2,874,729.23	5,759,489.47

Distribution Date	Classes NA, NQ and NW (in the aggregate)	Classes NK and NZ (in the aggregate)	Classes GA and GE (in the aggregate)	Classes HA and HY (in the aggregate)
December 2030	\$ 2,347,089.21	\$ 0.00	\$ 2,823,998.70	\$ 5,648,722.01
January 2031	2,302,292.74	0.00	2,774,106.55	5,539,972.53
February 2031	2,258,306.44	0.00	2,725,039.40	5,433,205.44
March 2031	2,215,116.12	0.00	2,676,784.13	5,328,385.79
April 2031	2,172,707.82	0.00	2,629,327.79	5,225,479.20
May 2031	2,131,067.83	0.00	2,582,657.63	5,124,451.91
June 2031	2,090,182.70	0.00	2,536,761.12	5,025,270.73
July 2031	2,050,039.16	0.00	2,491,625.89	4,927,903.05
August 2031	2,010,624.22	0.00	2,447,239.81	4,832,316.82
September 2031	1,971,925.07	0.00	2,403,590.90	4,738,480.53
October 2031	1,933,929.16	0.00	2,360,667.40	4,646,363.25
November 2031	1,896,624.12	0.00	2,318,457.69	4,555,934.56
December 2031	1,859,997.81	0.00	2,276,950.37	4,467,164.56
January 2032	1,824,038.30	0.00	2,236,134.21	4,380,023.89
February 2032	1,788,733.86	0.00	2,195,998.13	4,294,483.68
March 2032	1,754,072.96	0.00	2,156,531.27	4,210,515.57
April 2032	1,720,044.29	0.00	2,117,722.90	4,128,091.69
May 2032	1,686,636.70	0.00	2,079,562.46	4,047,184.65
June 2032	1,653,839.25	0.00	2,042,039.59	3,967,767.52
July 2032	1,621,641.20	0.00	2,005,144.04	3,889,813.88
August 2032	1,590,031.97	0.00	1,968,865.78	3,813,297.72
September 2032	1,559,001.19	0.00	1,933,194.87	3,738,193.51
October 2032	1,528,538.64	0.00	1,898,121.58	3,664,476.15
November 2032	1,498,634.29	0.00	1,863,636.32	3,592,120.98
December 2032	1,469,278.29	0.00	1,829,729.63	3,521,103.77
January 2033	1,440,460.95	0.00	1,796,392.22	3,451,400.71
February 2033	1,412,172.75	0.00	1,763,614.92	3,382,988.40
March 2033	1,384,404.34	0.00	1,731,388.74	3,315,843.86
April 2033	1,357,146.53	0.00	1,699,704.80	3,249,944.48
May 2033	1,330,390.27	0.00	1,668,554.38	3,185,268.07
June 2033	1,304,126.68	0.00	1,637,928.88	3,121,792.82
July 2033	1,278,347.06	0.00	1,607,819.84	3,059,497.29
August 2033	1,253,042.81	0.00	1,578,218.94	2,998,360.43
September 2033	1,228,205.51	0.00	1,549,117.98	2,938,361.54
October 2033	1,203,826.89	0.00	1,520,508.90	2,879,480.28
November 2033	1,179,898.80	0.00	1,492,383.77	2,821,696.68
December 2033	1,156,413.25	0.00	1,464,734.75	2,764,991.11
January 2034	1,133,362.37	0.00	1,437,554.17	2,709,344.27
February 2034	1,110,738.46	0.00	1,410,834.45	2,654,737.22
March 2034	1,088,533.92	0.00	1,384,568.14	2,601,151.32
April 2034	1,066,741.29	0.00	1,358,747.90	2,548,568.29
May 2034	1,045,353.24	0.00	1,333,366.53	2,496,970.14
June 2034	1,024,362.58	0.00	1,308,416.90	2,446,339.21
July 2034	1,003,762.23	0.00	1,283,892.02	2,396,658.15
August 2034	983,545.24	0.00	1,259,785.02	2,347,909.89
September 2034	963,704.77	0.00	1,236,089.12	2,300,077.68
October 2034	944,234.11	0.00	1,212,797.64	2,253,145.07

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November 2034	\$ 925,126.67	\$ 0.00	\$ 1,189,904.03	\$ 2,207,095.87
December 2034	906,375.96	0.00	1,167,401.83	2,161,914.20
January 2035	887,975.60	0.00	1,145,284.67	2,117,584.44
February 2035	869,919.35	0.00	1,123,546.29	2,074,091.24
March 2035	852,201.05	0.00	1,102,180.55	2,031,419.54
April 2035	834,814.66	0.00	1,081,181.37	1,989,554.53
May 2035	817,754.24	0.00	1,060,542.80	1,948,481.66
June 2035	801,013.95	0.00	1,040,258.94	1,908,186.63
July 2035	784,588.06	0.00	1,020,324.04	1,868,655.40
August 2035	768,470.94	0.00	1,000,732.40	1,829,874.18
September 2035	752,657.05	0.00	981,478.41	1,791,829.40
October 2035	737,140.95	0.00	962,556.58	1,754,507.75
November 2035	721,917.31	0.00	943,961.48	1,717,896.15
December 2035	706,980.85	0.00	925,687.76	1,681,981.73
January 2036	692,326.44	0.00	907,730.19	1,646,751.88
February 2036	677,948.99	0.00	890,083.58	1,612,194.19
March 2036	663,843.53	0.00	872,742.86	1,578,296.46
April 2036	650,005.16	0.00	855,703.01	1,545,046.73
May 2036	636,429.08	0.00	838,959.10	1,512,433.22
June 2036	623,110.55	0.00	822,506.29	1,480,444.39
July 2036	610,044.94	0.00	806,339.81	1,449,068.88
August 2036	597,227.69	0.00	790,454.95	1,418,295.53
September 2036	584,654.31	0.00	774,847.10	1,388,113.38
October 2036	572,320.40	0.00	759,511.70	1,358,511.69
November 2036	560,221.64	0.00	744,444.28	1,329,479.86
December 2036	548,353.77	0.00	729,640.43	1,301,007.51
January 2037	536,712.62	0.00	715,095.81	1,273,084.44
February 2037	525,294.09	0.00	700,806.17	1,245,700.62
March 2037	514,094.15	0.00	686,767.29	1,218,846.20
April 2037	503,108.83	0.00	672,975.05	1,192,511.52
May 2037	492,334.24	0.00	659,425.38	1,166,687.06
June 2037	481,766.57	0.00	646,114.28	1,141,363.50
July 2037	471,402.06	0.00	633,037.80	1,116,531.66
August 2037	461,237.02	0.00	620,192.08	1,092,182.54
September 2037	451,267.82	0.00	607,573.30	1,068,307.28
October 2037	441,490.91	0.00	595,177.71	1,044,897.19
November 2037	431,902.77	0.00	583,001.61	1,021,943.75
December 2037	422,499.99	0.00	571,041.37	999,438.55
January 2038	413,279.18	0.00	559,293.41	977,373.37
February 2038	404,237.02	0.00	547,754.21	955,740.11
March 2038	395,370.26	0.00	536,420.30	934,530.82
April 2038	386,675.70	0.00	525,288.30	913,737.70
May 2038	378,150.19	0.00	514,354.83	893,353.07
June 2038	369,790.63	0.00	503,616.60	873,369.41
July 2038	361,594.00	0.00	493,070.35	853,779.31
August 2038	353,557.32	0.00	482,712.90	834,575.51
September 2038	345,677.65	0.00	472,541.10	815,750.87

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October 2038	\$ 337,952.12	\$ 0.00	\$ 462,551.87	\$ 797,298.38
November 2038	330,377.91	0.00	452,742.14	779,211.15
December 2038	322,952.22	0.00	443,108.93	761,482.42
January 2039	315,672.35	0.00	433,649.29	744,105.55
February 2039	308,535.61	0.00	424,360.32	727,074.00
March 2039	301,539.36	0.00	415,239.16	710,381.38
April 2039	294,681.03	0.00	406,283.01	694,021.39
May 2039	287,958.07	0.00	397,489.10	677,987.84
June 2039	281,367.99	0.00	388,854.72	662,274.67
July 2039	274,908.34	0.00	380,377.19	646,875.91
August 2039	268,576.71	0.00	372,053.89	631,785.70
September 2039	262,370.74	0.00	363,882.20	616,998.30
October 2039	256,288.10	0.00	355,859.60	602,508.05
November 2039	250,326.52	0.00	347,983.57	588,309.41
December 2039	244,483.75	0.00	340,251.65	574,396.92
January 2040	238,757.60	0.00	332,661.41	560,765.24
February 2040	233,145.90	0.00	325,210.46	547,409.12
March 2040	227,646.53	0.00	317,896.46	534,323.38
April 2040	222,257.40	0.00	310,717.08	521,502.96
May 2040	216,976.46	0.00	303,670.07	508,942.89
June 2040	211,801.71	0.00	296,753.17	496,638.28
July 2040	206,731.17	0.00	289,964.19	484,584.32
August 2040	201,762.90	0.00	283,300.96	472,776.31
September 2040	196,894.98	0.00	276,761.35	461,209.61
October 2040	192,125.56	0.00	270,343.27	449,879.67
November 2040	187,452.78	0.00	264,044.65	438,782.04
December 2040	182,874.85	0.00	257,863.46	427,912.33
January 2041	178,389.99	0.00	251,797.71	417,266.24
February 2041	173,996.46	0.00	245,845.43	406,839.53
March 2041	169,692.55	0.00	240,004.70	396,628.05
April 2041	165,476.58	0.00	234,273.60	386,627.74
May 2041	161,346.89	0.00	228,650.27	376,834.59
June 2041	157,301.87	0.00	223,132.87	367,244.66
July 2041	153,339.93	0.00	217,719.59	357,854.10
August 2041	149,459.50	0.00	212,408.65	348,659.12
September 2041	145,659.04	0.00	207,198.30	339,656.00
October 2041	141,937.06	0.00	202,086.81	330,841.09
November 2041	138,292.07	0.00	197,072.49	322,210.79
December 2041	134,722.62	0.00	192,153.67	313,761.59
January 2042	131,227.27	0.00	187,328.72	305,490.02
February 2042	127,804.63	0.00	182,596.02	297,392.70
March 2042	124,453.33	0.00	177,953.97	289,466.29
April 2042	121,172.00	0.00	173,401.03	281,707.51
May 2042	117,959.32	0.00	168,935.64	274,113.15
June 2042	114,813.99	0.00	164,556.32	266,680.06
July 2042	111,734.73	0.00	160,261.55	259,405.13
August 2042	108,720.28	0.00	156,049.90	252,285.33

<u>Distribution Date</u>	<u>Classes NA, NQ and NW (in the aggregate)</u>	<u>Classes NK and NZ (in the aggregate)</u>	<u>Classes GA and GE (in the aggregate)</u>	<u>Classes HA and HY (in the aggregate)</u>
September 2042	\$ 105,769.40	\$ 0.00	\$ 151,919.90	\$ 245,317.67
October 2042	102,880.89	0.00	147,870.16	238,499.21
November 2042	100,053.55	0.00	143,899.28	231,827.09
December 2042	97,286.22	0.00	140,005.90	225,298.46
January 2043	94,577.75	0.00	136,188.66	218,910.57
February 2043	91,927.00	0.00	132,446.24	212,660.68
March 2043	89,332.89	0.00	128,777.33	206,546.13
April 2043	86,794.31	0.00	125,180.67	200,564.28
May 2043	84,310.20	0.00	121,654.98	194,712.56
June 2043	81,879.52	0.00	118,199.04	188,988.44
July 2043	79,501.23	0.00	114,811.61	183,389.44
August 2043	77,174.34	0.00	111,491.50	177,913.12
September 2043	74,897.84	0.00	108,237.54	172,557.09
October 2043	72,670.76	0.00	105,048.56	167,319.00
November 2043	70,492.15	0.00	101,923.42	162,196.53
December 2043	68,361.08	0.00	98,861.00	157,187.44
January 2044	66,276.61	0.00	95,860.20	152,289.50
February 2044	64,237.84	0.00	92,919.92	147,500.52
March 2044	62,243.90	0.00	90,039.11	142,818.36
April 2044	60,293.90	0.00	87,216.72	138,240.93
May 2044	58,386.99	0.00	84,451.70	133,766.17
June 2044	56,522.33	0.00	81,743.05	129,392.04
July 2044	54,699.10	0.00	79,089.77	125,116.56
August 2044	52,916.49	0.00	76,490.88	120,937.79
September 2044	51,173.70	0.00	73,945.41	116,853.80
October 2044	49,469.95	0.00	71,452.41	112,862.72
November 2044	47,804.48	0.00	69,010.98	108,962.70
December 2044	46,176.54	0.00	66,620.31	105,151.94
January 2045	44,585.39	0.00	64,279.51	101,428.66
February 2045	43,030.29	0.00	61,987.69	97,791.11
March 2045	41,510.56	0.00	59,743.95	94,237.59
April 2045	40,025.47	0.00	57,547.45	90,766.42
May 2045	38,574.36	0.00	55,397.34	87,375.94
June 2045	37,156.55	0.00	53,292.77	84,064.54
July 2045	35,771.37	0.00	51,232.94	80,830.64
August 2045	34,418.18	0.00	49,217.02	77,672.68
September 2045	33,096.35	0.00	47,244.24	74,589.13
October 2045	31,805.25	0.00	45,313.81	71,578.49
November 2045	30,544.27	0.00	43,424.96	68,639.28
December 2045	29,312.81	0.00	41,576.94	65,770.07
January 2046	28,110.27	0.00	39,769.01	62,969.44
February 2046	26,936.08	0.00	38,000.44	60,236.00
March 2046	25,789.67	0.00	36,270.51	57,568.38
April 2046	24,670.49	0.00	34,578.52	54,965.24
May 2046	23,577.98	0.00	32,923.78	52,425.27
June 2046	22,511.60	0.00	31,305.60	49,947.19
July 2046	21,470.84	0.00	29,723.32	47,529.72

Distribution Date	Classes NA, NQ and NW (in the aggregate)	Classes NK and NZ (in the aggregate)	Classes GA and GE (in the aggregate)	Classes HA and HY (in the aggregate)
August 2046	\$ 20,455.17	\$ 0.00	\$ 28,176.28	\$ 45,171.63
September 2046	19,464.09	0.00	26,663.83	42,871.70
October 2046	18,497.10	0.00	25,185.33	40,628.74
November 2046	17,553.70	0.00	23,740.16	38,441.57
December 2046	16,633.43	0.00	22,327.71	36,309.04
January 2047	15,735.80	0.00	20,947.37	34,230.02
February 2047	14,860.36	0.00	19,598.54	32,203.42
March 2047	14,006.65	0.00	18,280.64	30,228.14
April 2047	13,174.23	0.00	16,993.10	28,303.12
May 2047	12,362.66	0.00	15,735.35	26,427.31
June 2047	11,571.52	0.00	14,506.84	24,599.69
July 2047	10,800.38	0.00	13,307.02	22,819.25
August 2047	10,048.83	0.00	12,135.35	21,085.01
September 2047	9,316.46	0.00	10,991.32	19,396.00
October 2047	8,602.89	0.00	9,874.39	17,751.27
November 2047	7,907.72	0.00	8,784.07	16,149.89
December 2047	7,230.57	0.00	7,719.85	14,590.95
January 2048	6,571.06	0.00	6,681.23	13,073.55
February 2048	5,928.83	0.00	5,667.74	11,596.81
March 2048	5,303.51	0.00	4,678.90	10,159.87
April 2048	4,694.75	0.00	3,729.18	8,761.89
May 2048	4,102.21	0.00	2,802.79	7,402.03
June 2048	3,525.54	0.00	1,931.33	6,079.49
July 2048	2,964.42	0.00	1,122.84	4,793.47
August 2048	2,418.50	0.00	406.75	3,543.18
September 2048	1,887.48	0.00	0.00	2,327.85
October 2048	1,371.03	0.00	0.00	1,146.75
November 2048	868.84	0.00	0.00	0.00
December 2048	380.62	0.00	0.00	0.00
January 2049 and thereafter ...	0.00	0.00	0.00	0.00

<u>Distribution Date</u>	<u>Classes HL and HP (in the aggregate)</u>	<u>Class HD</u>	<u>Classes JC and JL (in the aggregate)</u>	<u>Classes CA, CY and FE (in the aggregate)</u>
Initial Balance	\$25,249,408.00	\$3,049,000.00	\$18,609,017.00	\$93,305,594.00
April 2019	25,161,983.25	3,032,309.46	18,542,955.73	93,069,549.59
May 2019	25,063,021.77	3,012,311.54	18,469,142.24	92,789,697.17
June 2019	24,952,551.83	2,989,030.96	18,387,614.33	92,466,123.89
July 2019	24,830,613.94	2,962,499.73	18,298,416.80	92,098,972.30
August 2019	24,697,260.86	2,932,757.05	18,201,601.40	91,688,440.60
September 2019	24,552,557.58	2,899,849.31	18,097,226.79	91,234,782.61
October 2019	24,396,581.31	2,863,830.03	17,985,358.52	90,738,307.76
November 2019	24,229,421.43	2,824,759.77	17,866,068.94	90,199,380.88
December 2019	24,051,179.39	2,782,706.06	17,739,437.15	89,618,421.93
January 2020	23,861,968.68	2,737,743.24	17,605,548.96	88,995,905.53
February 2020	23,661,914.61	2,689,952.39	17,464,496.72	88,332,360.47
March 2020	23,451,154.28	2,639,421.08	17,316,379.30	87,628,369.03
April 2020	23,229,836.36	2,586,243.30	17,161,301.95	86,884,566.21
May 2020	22,998,120.90	2,530,519.21	16,999,376.18	86,101,638.83
June 2020	22,756,179.17	2,472,354.91	16,830,719.64	85,280,324.52
July 2020	22,504,193.41	2,411,862.23	16,655,455.98	84,421,410.62
August 2020	22,242,356.57	2,349,158.53	16,473,714.71	83,525,732.93
September 2020	21,970,872.09	2,284,366.36	16,285,631.04	82,594,174.34
October 2020	21,689,953.58	2,217,613.20	16,091,345.71	81,627,663.41
November 2020	21,399,824.51	2,149,031.21	15,891,004.82	80,627,172.82
December 2020	21,100,717.93	2,078,756.87	15,684,759.67	79,593,717.66
January 2021	20,792,876.07	2,006,930.64	15,472,766.53	78,528,353.71
February 2021	20,476,550.04	1,933,696.70	15,255,186.49	77,432,175.61
March 2021	20,151,999.40	1,859,202.52	15,032,185.19	76,306,314.87
April 2021	19,819,491.83	1,783,598.54	14,803,932.70	75,151,937.87
May 2021	19,479,302.66	1,707,037.81	14,570,603.20	73,970,243.76
June 2021	19,131,714.49	1,632,600.82	14,339,538.32	72,762,462.31
July 2021	18,777,016.75	1,560,247.97	14,110,716.72	71,529,851.57
August 2021	18,415,505.23	1,489,940.33	13,884,117.24	70,273,695.68
September 2021	18,057,853.94	1,421,639.58	13,659,718.93	69,034,714.91
October 2021	17,704,016.37	1,355,308.03	13,437,501.03	67,812,667.42
November 2021	17,353,946.52	1,290,908.60	13,217,442.98	66,607,314.74
December 2021	17,007,598.94	1,228,404.79	12,999,524.41	65,418,421.63
January 2022	16,664,928.67	1,167,760.72	12,783,725.13	64,245,756.11
February 2022	16,325,891.28	1,108,941.06	12,570,025.15	63,089,089.36
March 2022	15,990,442.81	1,051,911.07	12,358,404.66	61,948,195.72
April 2022	15,658,539.83	996,636.59	12,148,844.03	60,822,852.63
May 2022	15,330,139.38	943,083.98	11,941,323.83	59,712,840.57
June 2022	15,005,198.99	891,220.19	11,735,824.79	58,617,943.06
July 2022	14,683,676.67	841,012.68	11,532,327.83	57,537,946.56
August 2022	14,365,530.91	792,429.44	11,330,814.05	56,472,640.49
September 2022	14,050,720.66	745,439.00	11,131,264.71	55,421,817.16
October 2022	13,739,205.35	700,010.39	10,933,661.27	54,385,271.72
November 2022	13,430,944.83	656,113.17	10,737,985.34	53,362,802.14
December 2022	13,125,899.46	613,717.38	10,544,218.72	52,354,209.17
January 2023	12,824,029.99	572,793.54	10,352,343.37	51,359,296.30

<u>Distribution Date</u>	<u>Classes HL and HP (in the aggregate)</u>	<u>Class HD</u>	<u>Classes JC and JL (in the aggregate)</u>	<u>Classes CA, CY and FE (in the aggregate)</u>
February 2023	\$12,525,297.66	\$ 533,312.69	\$10,162,341.41	\$50,377,869.71
March 2023	12,229,664.11	495,246.34	9,974,195.13	49,409,738.25
April 2023	11,937,091.44	458,566.44	9,787,887.00	48,454,713.40
May 2023	11,647,542.16	423,245.44	9,603,399.65	47,512,609.23
June 2023	11,360,979.23	389,256.21	9,420,715.85	46,583,242.34
July 2023	11,077,365.98	356,572.11	9,239,818.55	45,666,431.90
August 2023	10,796,666.20	325,166.90	9,060,690.85	44,761,999.53
September 2023	10,518,844.07	295,014.82	8,883,316.02	43,869,769.31
October 2023	10,243,864.16	266,090.50	8,707,677.48	42,989,567.73
November 2023	9,971,691.48	238,369.03	8,533,758.79	42,121,223.69
December 2023	9,702,291.38	211,825.86	8,361,543.69	41,264,568.43
January 2024	9,435,629.65	186,436.93	8,191,016.04	40,419,435.49
February 2024	9,176,103.43	162,178.49	8,022,159.88	39,585,660.73
March 2024	8,923,628.34	139,027.27	7,854,959.38	38,763,082.25
April 2024	8,678,014.59	116,960.34	7,689,398.87	37,951,540.39
May 2024	8,439,077.47	95,955.18	7,525,462.81	37,154,388.52
June 2024	8,206,637.18	75,989.63	7,363,135.83	36,373,623.48
July 2024	7,980,518.77	57,147.83	7,202,402.67	35,608,913.34
August 2024	7,760,551.94	40,988.85	7,043,248.25	34,859,932.83
September 2024	7,546,570.94	27,427.70	6,885,657.59	34,126,363.22
October 2024	7,338,414.47	16,381.60	6,729,615.89	33,407,892.15
November 2024	7,135,925.52	7,769.84	6,575,108.45	32,704,213.52
December 2024	6,938,951.30	1,513.87	6,422,120.74	32,015,027.40
January 2025	6,747,343.11	0.00	6,270,638.35	31,340,039.85
February 2025	6,560,956.22	0.00	6,120,647.00	30,678,962.82
March 2025	6,379,649.76	0.00	5,972,474.61	30,031,514.07
April 2025	6,203,286.65	0.00	5,827,826.62	29,397,417.01
May 2025	6,031,733.49	0.00	5,686,620.24	28,776,400.59
June 2025	5,864,860.42	0.00	5,548,774.63	28,168,199.21
July 2025	5,702,541.08	0.00	5,414,210.78	27,572,552.63
August 2025	5,544,652.49	0.00	5,282,851.57	26,989,205.78
September 2025	5,391,074.97	0.00	5,154,621.65	26,417,908.77
October 2025	5,241,692.03	0.00	5,029,447.43	25,858,416.70
November 2025	5,096,390.32	0.00	4,907,257.03	25,310,489.58
December 2025	4,955,059.52	0.00	4,787,980.26	24,773,892.28
January 2026	4,817,592.27	0.00	4,671,548.56	24,248,394.37
February 2026	4,683,884.09	0.00	4,557,894.95	23,733,770.06
March 2026	4,553,833.29	0.00	4,446,954.03	23,229,798.08
April 2026	4,427,340.92	0.00	4,338,661.92	22,736,261.65
May 2026	4,304,310.69	0.00	4,232,956.23	22,252,948.31
June 2026	4,184,648.88	0.00	4,129,776.03	21,779,649.91
July 2026	4,068,264.29	0.00	4,029,061.79	21,316,162.45
August 2026	3,955,068.18	0.00	3,930,755.41	20,862,286.07
September 2026	3,844,974.16	0.00	3,834,800.10	20,417,824.91
October 2026	3,737,898.20	0.00	3,741,140.43	19,982,587.06
November 2026	3,633,758.50	0.00	3,649,722.25	19,556,384.47
December 2026	3,532,475.47	0.00	3,560,492.66	19,139,032.89

<u>Distribution Date</u>	<u>Classes HL and HP (in the aggregate)</u>	<u>Class HD</u>	<u>Classes JC and JL (in the aggregate)</u>	<u>Classes CA, CY and FE (in the aggregate)</u>
January 2027	\$ 3,433,971.66	\$ 0.00	\$ 3,473,400.02	\$18,730,351.77
February 2027	3,338,171.68	0.00	3,388,393.89	18,330,164.20
March 2027	3,245,002.19	0.00	3,305,425.00	17,938,296.84
April 2027	3,154,391.82	0.00	3,224,445.24	17,554,579.82
May 2027	3,066,271.10	0.00	3,145,407.61	17,178,846.73
June 2027	2,980,572.45	0.00	3,068,266.23	16,810,934.49
July 2027	2,897,230.09	0.00	2,992,976.27	16,450,683.31
August 2027	2,816,180.03	0.00	2,919,493.97	16,097,936.63
September 2027	2,737,359.99	0.00	2,847,776.58	15,752,541.05
October 2027	2,660,709.36	0.00	2,777,782.35	15,414,346.26
November 2027	2,586,169.16	0.00	2,709,470.51	15,083,204.98
December 2027	2,513,682.03	0.00	2,642,801.25	14,758,972.91
January 2028	2,443,192.11	0.00	2,577,735.67	14,441,508.66
February 2028	2,374,645.09	0.00	2,514,235.82	14,130,673.69
March 2028	2,307,988.07	0.00	2,452,264.59	13,826,332.27
April 2028	2,243,169.63	0.00	2,391,785.78	13,528,351.39
May 2028	2,180,139.69	0.00	2,332,764.01	13,236,600.75
June 2028	2,118,849.56	0.00	2,275,164.76	12,950,952.67
July 2028	2,059,251.84	0.00	2,218,954.28	12,671,282.06
August 2028	2,001,300.40	0.00	2,164,099.63	12,397,466.35
September 2028	1,944,950.38	0.00	2,110,568.66	12,129,385.45
October 2028	1,890,158.11	0.00	2,058,329.94	11,866,921.70
November 2028	1,836,881.11	0.00	2,007,352.80	11,609,959.83
December 2028	1,785,078.05	0.00	1,957,607.28	11,358,386.88
January 2029	1,734,708.69	0.00	1,909,064.13	11,112,092.19
February 2029	1,685,733.91	0.00	1,861,694.78	10,870,967.34
March 2029	1,638,115.63	0.00	1,815,471.34	10,634,906.10
April 2029	1,591,816.80	0.00	1,770,366.55	10,403,804.40
May 2029	1,546,801.37	0.00	1,726,353.83	10,177,560.27
June 2029	1,503,034.27	0.00	1,683,407.18	9,956,073.81
July 2029	1,460,481.37	0.00	1,641,501.25	9,739,247.13
August 2029	1,419,109.47	0.00	1,600,611.26	9,526,984.34
September 2029	1,378,886.27	0.00	1,560,713.02	9,319,191.50
October 2029	1,339,780.34	0.00	1,521,782.91	9,115,776.55
November 2029	1,301,761.09	0.00	1,483,797.87	8,916,649.31
December 2029	1,264,798.78	0.00	1,446,735.38	8,721,721.45
January 2030	1,228,864.46	0.00	1,410,573.43	8,530,906.39
February 2030	1,193,929.97	0.00	1,375,290.56	8,344,119.33
March 2030	1,159,967.90	0.00	1,340,865.79	8,161,277.20
April 2030	1,126,951.60	0.00	1,307,278.66	7,982,298.61
May 2030	1,094,855.14	0.00	1,274,509.15	7,807,103.81
June 2030	1,063,653.28	0.00	1,242,537.76	7,635,614.68
July 2030	1,033,321.47	0.00	1,211,345.42	7,467,754.69
August 2030	1,003,835.84	0.00	1,180,913.50	7,303,448.86
September 2030	975,173.15	0.00	1,151,223.85	7,142,623.74
October 2030	947,310.79	0.00	1,122,258.70	6,985,207.36
November 2030	920,226.78	0.00	1,094,000.73	6,831,129.23

<u>Distribution Date</u>	<u>Classes HL and HP (in the aggregate)</u>	<u>Class HD</u>	<u>Classes JC and JL (in the aggregate)</u>	<u>Classes CA, CY and FE (in the aggregate)</u>
December 2030	\$ 893,899.73	\$ 0.00	\$ 1,066,433.03	\$ 6,680,320.28
January 2031	868,308.81	0.00	1,039,539.06	6,532,712.86
February 2031	843,433.79	0.00	1,013,302.70	6,388,240.68
March 2031	819,254.96	0.00	987,708.19	6,246,838.82
April 2031	795,753.17	0.00	962,740.17	6,108,443.65
May 2031	772,909.77	0.00	938,383.61	5,972,992.87
June 2031	750,706.63	0.00	914,623.85	5,840,425.44
July 2031	729,126.11	0.00	891,446.57	5,710,681.54
August 2031	708,151.05	0.00	868,837.81	5,583,702.59
September 2031	687,764.76	0.00	846,783.92	5,459,431.22
October 2031	667,950.99	0.00	825,271.56	5,337,811.19
November 2031	648,693.95	0.00	804,287.74	5,218,787.44
December 2031	629,978.27	0.00	783,819.75	5,102,306.02
January 2032	611,789.00	0.00	763,855.20	4,988,314.08
February 2032	594,111.61	0.00	744,381.97	4,876,759.86
March 2032	576,931.94	0.00	725,388.25	4,767,592.63
April 2032	560,236.24	0.00	706,862.50	4,660,762.73
May 2032	544,011.13	0.00	688,793.44	4,556,221.49
June 2032	528,243.58	0.00	671,170.09	4,453,921.25
July 2032	512,920.93	0.00	653,981.70	4,353,815.31
August 2032	498,030.86	0.00	637,217.78	4,255,857.94
September 2032	483,561.40	0.00	620,868.11	4,160,004.33
October 2032	469,500.89	0.00	604,922.69	4,066,210.60
November 2032	455,837.99	0.00	589,371.76	3,974,433.75
December 2032	442,561.67	0.00	574,205.79	3,884,631.69
January 2033	429,661.22	0.00	559,415.50	3,796,763.16
February 2033	417,126.20	0.00	544,991.80	3,710,787.76
March 2033	404,946.46	0.00	530,925.83	3,626,665.92
April 2033	393,112.14	0.00	517,208.94	3,544,358.88
May 2033	381,613.63	0.00	503,832.69	3,463,828.66
June 2033	370,441.61	0.00	490,788.83	3,385,038.07
July 2033	359,586.99	0.00	478,069.30	3,307,950.70
August 2033	349,040.94	0.00	465,666.26	3,232,530.85
September 2033	338,794.87	0.00	453,572.04	3,158,743.58
October 2033	328,840.43	0.00	441,779.14	3,086,554.66
November 2033	319,169.49	0.00	430,280.25	3,015,930.57
December 2033	309,774.16	0.00	419,068.25	2,946,838.45
January 2034	300,646.74	0.00	408,136.16	2,879,246.15
February 2034	291,779.76	0.00	397,477.20	2,813,122.17
March 2034	283,165.96	0.00	387,084.71	2,748,435.64
April 2034	274,798.26	0.00	376,952.22	2,685,156.34
May 2034	266,669.79	0.00	367,073.41	2,623,254.69
June 2034	258,773.87	0.00	357,442.10	2,562,701.67
July 2034	251,103.99	0.00	348,052.27	2,503,468.91
August 2034	243,653.82	0.00	338,898.03	2,445,528.59
September 2034	236,417.23	0.00	329,973.65	2,388,853.48
October 2034	229,388.22	0.00	321,273.52	2,333,416.89

<u>Distribution Date</u>	<u>Classes HL and HP (in the aggregate)</u>	<u>Class HD</u>	<u>Classes JC and JL (in the aggregate)</u>	<u>Classes CA, CY and FE (in the aggregate)</u>
November 2034	\$ 222,560.99	\$ 0.00	\$ 312,792.17	\$ 2,279,192.70
December 2034	215,929.87	0.00	304,524.26	2,226,155.34
January 2035	209,489.38	0.00	296,464.57	2,174,279.72
February 2035	203,234.15	0.00	288,608.03	2,123,541.33
March 2035	197,159.00	0.00	280,949.66	2,073,916.10
April 2035	191,258.86	0.00	273,484.62	2,025,380.52
May 2035	185,528.81	0.00	266,208.17	1,977,911.52
June 2035	179,964.08	0.00	259,115.71	1,931,486.52
July 2035	174,560.02	0.00	252,202.73	1,886,083.42
August 2035	169,312.10	0.00	245,464.82	1,841,680.56
September 2035	164,215.92	0.00	238,897.70	1,798,256.74
October 2035	159,267.22	0.00	232,497.17	1,755,791.18
November 2035	154,461.84	0.00	226,259.14	1,714,263.55
December 2035	149,795.72	0.00	220,179.63	1,673,653.93
January 2036	145,264.96	0.00	214,254.74	1,633,942.82
February 2036	140,865.71	0.00	208,480.66	1,595,111.11
March 2036	136,594.28	0.00	202,853.70	1,557,140.11
April 2036	132,447.04	0.00	197,370.21	1,520,011.49
May 2036	128,420.49	0.00	192,026.69	1,483,707.32
June 2036	124,511.20	0.00	186,819.66	1,448,210.03
July 2036	120,715.87	0.00	181,745.78	1,413,502.42
August 2036	117,031.25	0.00	176,801.74	1,379,567.66
September 2036	113,454.22	0.00	171,984.36	1,346,389.23
October 2036	109,981.73	0.00	167,290.50	1,313,951.01
November 2036	106,610.80	0.00	162,717.10	1,282,237.16
December 2036	103,338.55	0.00	158,261.19	1,251,232.20
January 2037	100,162.18	0.00	153,919.86	1,220,920.97
February 2037	97,078.97	0.00	149,690.28	1,191,288.62
March 2037	94,086.26	0.00	145,569.67	1,162,320.61
April 2037	91,181.48	0.00	141,555.34	1,134,002.70
May 2037	88,362.12	0.00	137,644.64	1,106,320.96
June 2037	85,625.75	0.00	133,835.01	1,079,261.72
July 2037	82,970.01	0.00	130,123.94	1,052,811.63
August 2037	80,392.59	0.00	126,508.97	1,026,957.61
September 2037	77,891.25	0.00	122,987.71	1,001,686.83
October 2037	75,463.83	0.00	119,557.84	976,986.74
November 2037	73,108.20	0.00	116,217.08	952,845.08
December 2037	70,822.33	0.00	112,963.20	929,249.81
January 2038	68,604.20	0.00	109,794.04	906,189.14
February 2038	66,451.88	0.00	106,707.49	883,651.56
March 2038	64,363.48	0.00	103,701.49	861,625.78
April 2038	62,337.17	0.00	100,774.01	840,100.74
May 2038	60,371.16	0.00	97,923.10	819,065.62
June 2038	58,463.73	0.00	95,146.84	798,509.82
July 2038	56,613.19	0.00	92,443.37	778,422.98
August 2038	54,817.90	0.00	89,810.85	758,794.94
September 2038	53,076.28	0.00	87,247.51	739,615.76

Distribution Date	Classes HL and HP (in the aggregate)	Class HD	Classes JC and JL (in the aggregate)	Classes CA, CY and FE (in the aggregate)
October 2038	\$ 51,386.77	\$ 0.00	\$ 84,751.62	\$ 720,875.70
November 2038	49,747.87	0.00	82,321.47	702,565.23
December 2038	48,158.14	0.00	79,955.42	684,675.03
January 2039	46,616.13	0.00	77,651.85	667,195.97
February 2039	45,120.48	0.00	75,409.20	650,119.09
March 2039	43,669.85	0.00	73,225.92	633,435.66
April 2039	42,262.93	0.00	71,100.52	617,137.09
May 2039	40,898.46	0.00	69,031.54	601,215.01
June 2039	39,575.20	0.00	67,017.56	585,661.20
July 2039	38,291.97	0.00	65,057.18	570,467.62
August 2039	37,047.59	0.00	63,149.05	555,626.40
September 2039	35,840.95	0.00	61,291.85	541,129.83
October 2039	34,670.94	0.00	59,484.28	526,970.39
November 2039	33,536.50	0.00	57,725.10	513,140.68
December 2039	32,436.58	0.00	56,013.06	499,633.48
January 2040	31,370.20	0.00	54,346.98	486,441.72
February 2040	30,336.36	0.00	52,725.69	473,558.48
March 2040	29,334.12	0.00	51,148.04	460,976.97
April 2040	28,362.55	0.00	49,612.92	448,690.56
May 2040	27,420.76	0.00	48,119.26	436,692.76
June 2040	26,507.87	0.00	46,665.99	424,977.22
July 2040	25,623.04	0.00	45,252.09	413,537.71
August 2040	24,765.45	0.00	43,876.54	402,368.14
September 2040	23,934.29	0.00	42,538.37	391,462.56
October 2040	23,128.79	0.00	41,236.61	380,815.13
November 2040	22,348.20	0.00	39,970.35	370,420.15
December 2040	21,591.77	0.00	38,738.65	360,272.01
January 2041	20,858.81	0.00	37,540.65	350,365.26
February 2041	20,148.61	0.00	36,375.47	340,694.55
March 2041	19,460.51	0.00	35,242.27	331,254.62
April 2041	18,793.85	0.00	34,140.22	322,040.37
May 2041	18,148.00	0.00	33,068.52	313,046.75
June 2041	17,522.35	0.00	32,026.39	304,268.88
July 2041	16,916.28	0.00	31,013.07	295,701.94
August 2041	16,329.23	0.00	30,027.81	287,341.22
September 2041	15,760.62	0.00	29,069.88	279,182.13
October 2041	15,209.92	0.00	28,138.58	271,220.16
November 2041	14,676.58	0.00	27,233.22	263,450.89
December 2041	14,160.09	0.00	26,353.12	255,870.03
January 2042	13,659.95	0.00	25,497.62	248,473.33
February 2042	13,175.67	0.00	24,666.09	241,256.68
March 2042	12,706.77	0.00	23,857.91	234,216.04
April 2042	12,252.79	0.00	23,072.45	227,347.43
May 2042	11,813.29	0.00	22,309.14	220,647.00
June 2042	11,387.84	0.00	21,567.38	214,110.96
July 2042	10,976.01	0.00	20,846.63	207,735.59
August 2042	10,577.39	0.00	20,146.32	201,517.28

<u>Distribution Date</u>	<u>Classes HL and HP (in the aggregate)</u>	<u>Class HD</u>	<u>Classes JC and JL (in the aggregate)</u>	<u>Classes CA, CY and FE (in the aggregate)</u>
September 2042	\$ 10,191.58	\$ 0.00	\$ 19,465.92	\$ 195,452.47
October 2042	9,818.20	0.00	18,804.91	189,537.69
November 2042	9,456.88	0.00	18,162.78	183,769.54
December 2042	9,107.24	0.00	17,539.03	178,144.71
January 2043	8,768.94	0.00	16,933.18	172,659.93
February 2043	8,441.63	0.00	16,344.75	167,312.02
March 2043	8,124.98	0.00	15,773.29	162,097.88
April 2043	7,818.67	0.00	15,218.34	157,014.44
May 2043	7,522.38	0.00	14,679.47	152,058.75
June 2043	7,235.80	0.00	14,156.25	147,227.87
July 2043	6,958.64	0.00	13,648.27	142,518.95
August 2043	6,690.62	0.00	13,155.12	137,929.21
September 2043	6,431.45	0.00	12,676.41	133,455.91
October 2043	6,180.87	0.00	12,211.75	129,096.39
November 2043	5,938.60	0.00	11,760.76	124,848.03
December 2043	5,704.39	0.00	11,323.09	120,708.26
January 2044	5,478.01	0.00	10,898.37	116,674.61
February 2044	5,259.20	0.00	10,486.25	112,744.60
March 2044	5,047.73	0.00	10,086.41	108,915.87
April 2044	4,843.37	0.00	9,698.50	105,186.05
May 2044	4,645.92	0.00	9,322.21	101,552.87
June 2044	4,455.14	0.00	8,957.23	98,014.08
July 2044	4,270.84	0.00	8,603.24	94,567.49
August 2044	4,092.81	0.00	8,259.95	91,210.97
September 2044	3,920.87	0.00	7,927.07	87,942.41
October 2044	3,754.81	0.00	7,604.32	84,759.76
November 2044	3,594.45	0.00	7,291.43	81,661.02
December 2044	3,439.63	0.00	6,988.12	78,644.24
January 2045	3,290.16	0.00	6,694.13	75,707.48
February 2045	3,145.87	0.00	6,409.21	72,848.87
March 2045	3,006.61	0.00	6,133.11	70,066.59
April 2045	2,872.21	0.00	5,865.58	67,358.83
May 2045	2,742.52	0.00	5,606.41	64,723.84
June 2045	2,617.40	0.00	5,355.34	62,159.91
July 2045	2,496.69	0.00	5,112.17	59,665.35
August 2045	2,380.26	0.00	4,876.66	57,238.53
September 2045	2,267.98	0.00	4,648.62	54,877.84
October 2045	2,159.70	0.00	4,427.83	52,581.71
November 2045	2,055.31	0.00	4,214.09	50,348.61
December 2045	1,954.68	0.00	4,007.21	48,177.04
January 2046	1,857.68	0.00	3,806.99	46,065.53
February 2046	1,764.21	0.00	3,613.25	44,012.64
March 2046	1,674.14	0.00	3,425.81	42,016.97
April 2046	1,587.37	0.00	3,244.49	40,077.16
May 2046	1,503.80	0.00	3,069.12	38,191.85
June 2046	1,423.31	0.00	2,899.53	36,359.75
July 2046	1,345.81	0.00	2,735.56	34,579.56

Distribution Date	Classes HL and HP (in the aggregate)	Class HD	Classes JC and JL (in the aggregate)	Classes CA, CY and FE (in the aggregate)
August 2046	\$ 1,271.21	\$ 0.00	\$ 2,577.04	\$ 32,850.03
September 2046	1,199.40	0.00	2,423.84	31,169.94
October 2046	1,130.30	0.00	2,275.78	29,538.10
November 2046	1,063.81	0.00	2,132.74	27,953.32
December 2046	999.86	0.00	1,994.56	26,414.47
January 2047	938.35	0.00	1,861.11	24,920.42
February 2047	879.21	0.00	1,732.24	23,470.09
March 2047	822.37	0.00	1,607.84	22,062.40
April 2047	767.73	0.00	1,487.77	20,696.31
May 2047	715.24	0.00	1,371.90	19,370.79
June 2047	664.81	0.00	1,260.11	18,084.85
July 2047	616.39	0.00	1,152.29	16,837.51
August 2047	569.90	0.00	1,048.33	15,627.82
September 2047	525.27	0.00	948.09	14,454.85
October 2047	482.46	0.00	851.49	13,317.68
November 2047	441.38	0.00	758.41	12,215.42
December 2047	402.00	0.00	668.75	11,147.21
January 2048	364.24	0.00	582.41	10,112.18
February 2048	328.05	0.00	499.29	9,109.52
March 2048	293.38	0.00	419.29	8,138.41
April 2048	260.18	0.00	342.33	7,198.05
May 2048	228.40	0.00	268.31	6,287.68
June 2048	197.98	0.00	197.14	5,406.52
July 2048	168.88	0.00	128.74	4,553.85
August 2048	141.06	0.00	63.02	3,728.93
September 2048	114.47	0.00	0.00	2,931.06
October 2048	89.07	0.00	0.00	2,159.56
November 2048	64.81	0.00	0.00	1,413.74
December 2048	41.66	0.00	0.00	692.94
January 2049	19.57	0.00	0.00	0.00
February 2049 and thereafter	0.00	0.00	0.00	0.00

<u>Distribution Date</u>	<u>Classes FG and PG (in the aggregate)</u>	<u>Classes FL, PK and PL (in the aggregate)</u>	<u>Classes GP and TF (in the aggregate)</u>
Initial Balance	\$138,888,888.00	\$87,841,000.00	\$61,111,111.00
April 2019	138,552,834.34	87,554,767.24	60,963,247.39
May 2019	138,163,784.62	87,222,354.46	60,792,065.50
June 2019	137,721,856.42	86,843,911.50	60,597,617.09
July 2019	137,227,221.14	86,419,652.76	60,379,977.56
August 2019	136,680,104.00	85,949,857.25	60,139,246.02
September 2019	136,080,784.10	85,434,868.61	59,875,545.26
October 2019	135,429,594.25	84,875,094.85	59,589,021.72
November 2019	134,726,920.81	84,271,008.05	59,279,845.40
December 2019	133,973,203.38	83,623,143.85	58,948,209.72
January 2020	133,168,934.42	82,932,100.77	58,594,331.38
February 2020	132,314,658.80	82,198,539.45	58,218,450.10
March 2020	131,410,973.20	81,423,181.68	57,820,828.42
April 2020	130,458,525.47	80,606,809.28	57,401,751.41
May 2020	129,458,013.87	79,750,262.88	56,961,526.31
June 2020	128,410,186.27	78,854,440.49	56,500,482.15
July 2020	127,315,839.17	77,920,295.96	56,018,969.42
August 2020	126,175,816.73	76,948,837.34	55,517,359.54
September 2020	124,991,009.64	75,941,124.99	54,996,044.41
October 2020	123,762,353.98	74,898,269.68	54,455,435.91
November 2020	122,490,829.89	73,821,430.50	53,895,965.30
December 2020	121,177,460.30	72,711,812.64	53,318,082.67
January 2021	119,823,309.45	71,570,665.05	52,722,256.29
February 2021	118,429,481.44	70,399,278.07	52,108,971.95
March 2021	116,997,118.61	69,198,980.82	51,478,732.30
April 2021	115,527,399.97	67,971,138.60	50,832,056.09
May 2021	114,021,539.42	66,717,150.16	50,169,477.44
June 2021	112,480,784.08	65,438,444.85	49,491,545.08
July 2021	110,906,412.37	64,136,479.79	48,798,821.51
August 2021	109,299,732.20	62,854,159.50	48,091,882.22
September 2021	107,710,142.55	61,591,177.44	47,392,462.77
October 2021	106,137,452.91	60,347,231.71	46,700,479.32
November 2021	104,581,474.80	59,122,025.05	46,015,848.94
December 2021	103,042,021.75	57,915,264.71	45,338,489.58
January 2022	101,518,909.31	56,726,662.40	44,668,320.10
February 2022	100,011,955.00	55,555,934.24	44,005,260.19
March 2022	98,520,978.30	54,402,800.68	43,349,230.43
April 2022	97,045,800.62	53,266,986.43	42,700,152.25
May 2022	95,586,245.30	52,148,220.38	42,057,947.89
June 2022	94,142,137.56	51,046,235.59	41,422,540.48
July 2022	92,713,304.51	49,960,769.18	40,793,853.93
August 2022	91,299,575.10	48,891,562.26	40,171,812.98
September 2022	89,900,780.12	47,838,359.91	39,556,343.18
October 2022	88,516,752.19	46,800,911.10	38,947,370.88
November 2022	87,147,325.70	45,778,968.63	38,344,823.21
December 2022	85,792,336.83	44,772,289.06	37,748,628.10
January 2023	84,451,623.52	43,780,632.69	37,158,714.23

<u>Distribution Date</u>	<u>Classes FG and PG (in the aggregate)</u>	<u>Classes FL, PK and PL (in the aggregate)</u>	<u>Classes GP and TF (in the aggregate)</u>
February 2023	\$ 83,125,025.45	\$42,803,763.44	\$36,575,011.07
March 2023	81,812,384.01	41,841,448.88	35,997,448.83
April 2023	80,513,542.30	40,893,460.09	35,425,958.47
May 2023	79,228,345.09	39,959,571.67	34,860,471.69
June 2023	77,956,638.84	39,039,561.64	34,300,920.93
July 2023	76,698,271.63	38,133,211.42	33,747,239.34
August 2023	75,453,093.19	37,240,305.79	33,199,360.82
September 2023	74,220,954.84	36,360,632.77	32,657,219.94
October 2023	73,001,709.53	35,493,983.65	32,120,751.99
November 2023	71,795,211.75	34,640,152.91	31,589,892.96
December 2023	70,601,317.57	33,804,833.65	31,064,579.51
January 2024	69,419,884.60	32,989,345.58	30,544,749.00
February 2024	68,250,771.98	32,193,223.19	30,030,339.43
March 2024	67,093,840.35	31,416,011.79	29,521,289.51
April 2024	65,948,951.86	30,657,267.31	29,017,538.57
May 2024	64,815,970.13	29,916,555.99	28,519,026.60
June 2024	63,694,760.25	29,193,454.19	28,025,694.24
July 2024	62,585,188.74	28,487,548.11	27,537,482.77
August 2024	61,487,123.56	27,798,433.63	27,054,334.08
September 2024	60,400,434.10	27,125,716.00	26,576,190.71
October 2024	59,324,991.12	26,469,009.71	26,102,995.79
November 2024	58,260,666.80	25,827,938.21	25,634,693.08
December 2024	57,210,747.41	25,202,133.74	25,172,728.54
January 2025	56,179,170.54	24,591,237.09	24,718,834.71
February 2025	55,165,621.98	23,994,897.46	24,272,873.33
March 2025	54,169,792.86	23,412,772.21	23,834,708.51
April 2025	53,191,379.51	22,844,526.69	23,404,206.63
May 2025	52,230,083.43	22,289,834.07	22,981,236.35
June 2025	51,285,611.13	21,748,375.13	22,565,668.53
July 2025	50,357,674.10	21,219,838.12	22,157,376.23
August 2025	49,445,988.73	20,703,918.54	21,756,234.66
September 2025	48,550,276.18	20,200,319.02	21,362,121.13
October 2025	47,670,262.35	19,708,749.12	20,974,915.03
November 2025	46,805,677.76	19,228,925.19	20,594,497.81
December 2025	45,956,257.51	18,760,570.21	20,220,752.89
January 2026	45,121,741.19	18,303,413.60	19,853,565.70
February 2026	44,301,872.78	17,857,191.15	19,492,823.60
March 2026	43,496,400.61	17,421,644.79	19,138,415.83
April 2026	42,705,077.26	16,996,522.48	18,790,233.56
May 2026	41,927,659.54	16,581,578.09	18,448,169.75
June 2026	41,163,908.33	16,176,571.24	18,112,119.21
July 2026	40,413,588.60	15,781,267.16	17,781,978.52
August 2026	39,676,469.28	15,395,436.57	17,457,646.02
September 2026	38,952,323.25	15,018,855.59	17,139,021.76
October 2026	38,240,927.20	14,651,305.52	16,826,007.49
November 2026	37,542,061.64	14,292,572.82	16,518,506.64
December 2026	36,855,510.79	13,942,448.93	16,216,424.26

<u>Distribution Date</u>	<u>Classes FG and PG (in the aggregate)</u>	<u>Classes FL, PK and PL (in the aggregate)</u>	<u>Classes GP and TF (in the aggregate)</u>
January 2027	\$ 36,181,062.54	\$13,600,730.19	\$15,919,667.02
February 2027	35,518,508.36	13,267,217.68	15,628,143.17
March 2027	34,867,643.28	12,941,717.16	15,341,762.53
April 2027	34,228,265.80	12,624,038.94	15,060,436.44
May 2027	33,600,177.85	12,313,997.76	14,784,077.73
June 2027	32,983,184.71	12,011,412.71	14,512,600.74
July 2027	32,377,094.97	11,716,107.11	14,245,921.25
August 2027	31,781,720.49	11,427,908.45	13,983,956.47
September 2027	31,196,876.30	11,146,648.22	13,726,625.02
October 2027	30,622,380.59	10,872,161.90	13,473,846.91
November 2027	30,058,054.63	10,604,288.81	13,225,543.48
December 2027	29,503,722.74	10,342,872.05	12,981,637.44
January 2028	28,959,212.22	10,087,758.38	12,742,052.81
February 2028	28,424,353.31	9,838,798.18	12,506,714.88
March 2028	27,898,979.14	9,595,845.33	12,275,550.24
April 2028	27,382,925.66	9,358,757.15	12,048,486.70
May 2028	26,876,031.64	9,127,394.30	11,825,453.33
June 2028	26,378,138.57	8,901,620.71	11,606,380.38
July 2028	25,889,090.66	8,681,303.51	11,391,199.29
August 2028	25,408,734.76	8,466,312.97	11,179,842.68
September 2028	24,936,920.31	8,256,522.38	10,972,244.32
October 2028	24,473,499.35	8,051,808.03	10,768,339.10
November 2028	24,018,326.43	7,852,049.11	10,568,063.00
December 2028	23,571,258.55	7,657,127.64	10,371,353.13
January 2029	23,132,155.18	7,466,928.44	10,178,147.65
February 2029	22,700,878.18	7,281,339.02	9,988,385.76
March 2029	22,277,291.75	7,100,249.54	9,802,007.72
April 2029	21,861,262.42	6,923,552.75	9,618,954.81
May 2029	21,452,658.98	6,751,143.93	9,439,169.30
June 2029	21,051,352.49	6,582,920.81	9,262,594.44
July 2029	20,657,216.18	6,418,783.54	9,089,174.45
August 2029	20,270,125.44	6,258,634.62	8,918,854.53
September 2029	19,889,957.82	6,102,378.84	8,751,580.77
October 2029	19,516,592.93	5,949,923.26	8,587,300.21
November 2029	19,149,912.45	5,801,177.09	8,425,960.79
December 2029	18,789,800.07	5,656,051.71	8,267,511.34
January 2030	18,436,141.49	5,514,460.59	8,111,901.56
February 2030	18,088,824.33	5,376,319.22	7,959,082.01
March 2030	17,747,738.16	5,241,545.10	7,809,004.09
April 2030	17,412,774.41	5,110,057.69	7,661,620.03
May 2030	17,083,826.40	4,981,778.31	7,516,882.90
June 2030	16,760,789.25	4,856,630.18	7,374,746.55
July 2030	16,443,559.88	4,734,538.31	7,235,165.62
August 2030	16,132,036.97	4,615,429.49	7,098,095.54
September 2030	15,826,120.94	4,499,232.24	6,963,492.48
October 2030	15,525,713.92	4,385,876.76	6,831,313.39
November 2030	15,230,719.70	4,275,294.91	6,701,515.93

<u>Distribution Date</u>	<u>Classes FG and PG (in the aggregate)</u>	<u>Classes FL, PK and PL (in the aggregate)</u>	<u>Classes GP and TF (in the aggregate)</u>
December 2030	\$ 14,941,043.72	\$ 4,167,420.17	\$ 6,574,058.49
January 2031	14,656,593.06	4,062,187.56	6,448,900.20
February 2031	14,377,276.36	3,959,533.67	6,326,000.85
March 2031	14,103,003.86	3,859,396.58	6,205,320.94
April 2031	13,833,687.31	3,761,715.83	6,086,821.65
May 2031	13,569,239.99	3,666,432.40	5,970,464.83
June 2031	13,309,576.65	3,573,488.66	5,856,212.95
July 2031	13,054,613.53	3,482,828.35	5,744,029.18
August 2031	12,804,268.27	3,394,396.55	5,633,877.26
September 2031	12,558,459.96	3,308,139.62	5,525,721.60
October 2031	12,317,109.06	3,224,005.21	5,419,527.20
November 2031	12,080,137.39	3,141,942.21	5,315,259.66
December 2031	11,847,468.13	3,061,900.71	5,212,885.18
January 2032	11,619,025.75	2,983,832.00	5,112,370.53
February 2032	11,394,736.06	2,907,688.52	5,013,683.06
March 2032	11,174,526.12	2,833,423.83	4,916,790.68
April 2032	10,958,324.23	2,760,992.60	4,821,661.85
May 2032	10,746,059.95	2,690,350.58	4,728,265.56
June 2032	10,537,664.04	2,621,454.57	4,636,571.35
July 2032	10,333,068.45	2,554,262.39	4,546,549.29
August 2032	10,132,206.30	2,488,732.87	4,458,169.94
September 2032	9,935,011.86	2,424,825.81	4,371,404.38
October 2032	9,741,420.54	2,362,501.98	4,286,224.19
November 2032	9,551,368.85	2,301,723.07	4,202,601.45
December 2032	9,364,794.41	2,242,451.69	4,120,508.69
January 2033	9,181,635.90	2,184,651.33	4,039,918.94
February 2033	9,001,833.07	2,128,286.37	3,960,805.69
March 2033	8,825,326.68	2,073,322.01	3,883,142.88
April 2033	8,652,058.55	2,019,724.30	3,806,904.89
May 2033	8,481,971.47	1,967,460.10	3,732,066.57
June 2033	8,315,009.24	1,916,497.04	3,658,603.19
July 2033	8,151,116.63	1,866,803.54	3,586,490.44
August 2033	7,990,239.33	1,818,348.77	3,515,704.42
September 2033	7,832,324.02	1,771,102.63	3,446,221.68
October 2033	7,677,318.26	1,725,035.75	3,378,019.14
November 2033	7,525,170.52	1,680,119.44	3,311,074.13
December 2033	7,375,830.19	1,636,325.73	3,245,364.38
January 2034	7,229,247.50	1,593,627.27	3,180,867.99
February 2034	7,085,373.55	1,551,997.41	3,117,563.46
March 2034	6,944,160.31	1,511,410.11	3,055,429.62
April 2034	6,805,560.54	1,471,839.96	2,994,445.72
May 2034	6,669,527.85	1,433,262.16	2,934,591.33
June 2034	6,536,016.64	1,395,652.50	2,875,846.40
July 2034	6,404,982.09	1,358,987.35	2,818,191.19
August 2034	6,276,380.19	1,323,243.66	2,761,606.35
September 2034	6,150,167.64	1,288,398.90	2,706,072.83
October 2034	6,026,301.95	1,254,431.10	2,651,571.91

<u>Distribution Date</u>	<u>Classes FG and PG (in the aggregate)</u>	<u>Classes FL, PK and PL (in the aggregate)</u>	<u>Classes GP and TF (in the aggregate)</u>
November 2034	\$ 5,904,741.31	\$ 1,221,318.83	\$ 2,598,085.23
December 2034	5,785,444.68	1,189,041.15	2,545,594.71
January 2035	5,668,371.70	1,157,577.63	2,494,082.59
February 2035	5,553,482.73	1,126,908.33	2,443,531.44
March 2035	5,440,738.81	1,097,013.80	2,393,924.11
April 2035	5,330,101.65	1,067,875.04	2,345,243.76
May 2035	5,221,533.64	1,039,473.51	2,297,473.83
June 2035	5,114,997.82	1,011,791.12	2,250,598.07
July 2035	5,010,457.86	984,810.23	2,204,600.48
August 2035	4,907,878.07	958,513.59	2,159,465.37
September 2035	4,807,223.38	932,884.38	2,115,177.30
October 2035	4,708,459.33	907,906.20	2,071,721.11
November 2035	4,611,552.06	883,563.03	2,029,081.91
December 2035	4,516,468.30	859,839.23	1,987,245.05
January 2036	4,423,175.35	836,719.56	1,946,196.15
February 2036	4,331,641.10	814,189.11	1,905,921.07
March 2036	4,241,833.97	792,233.37	1,866,405.94
April 2036	4,153,722.96	770,838.16	1,827,637.09
May 2036	4,067,277.59	749,989.63	1,789,601.12
June 2036	3,982,467.93	729,674.29	1,752,284.86
July 2036	3,899,264.54	709,878.96	1,715,675.37
August 2036	3,817,638.54	690,590.78	1,679,759.92
September 2036	3,737,561.50	671,797.20	1,644,526.02
October 2036	3,659,005.54	653,485.98	1,609,961.39
November 2036	3,581,943.22	635,645.17	1,576,053.97
December 2036	3,506,347.62	618,263.12	1,542,791.90
January 2037	3,432,192.27	601,328.43	1,510,163.54
February 2037	3,359,451.15	584,830.02	1,478,157.45
March 2037	3,288,098.72	568,757.06	1,446,762.38
April 2037	3,218,109.88	553,098.96	1,415,967.28
May 2037	3,149,459.96	537,845.41	1,385,761.31
June 2037	3,082,124.73	522,986.36	1,356,133.81
July 2037	3,016,080.38	508,511.98	1,327,074.29
August 2037	2,951,303.53	494,412.70	1,298,572.47
September 2037	2,887,771.18	480,679.15	1,270,618.23
October 2037	2,825,460.77	467,302.23	1,243,201.65
November 2037	2,764,350.11	454,273.02	1,216,312.95
December 2037	2,704,417.42	441,582.86	1,189,942.56
January 2038	2,645,641.27	429,223.26	1,164,081.05
February 2038	2,588,000.64	417,185.95	1,138,719.17
March 2038	2,531,474.87	405,462.89	1,113,847.83
April 2038	2,476,043.64	394,046.19	1,089,458.08
May 2038	2,421,687.03	382,928.17	1,065,541.17
June 2038	2,368,385.44	372,101.36	1,042,088.46
July 2038	2,316,119.61	361,558.44	1,019,091.50
August 2038	2,264,870.64	351,292.28	996,541.94
September 2038	2,214,619.95	341,295.94	974,431.64

<u>Distribution Date</u>	<u>Classes FG and PG (in the aggregate)</u>	<u>Classes FL, PK and PL (in the aggregate)</u>	<u>Classes GP and TF (in the aggregate)</u>
October 2038	\$ 2,165,349.29	\$ 331,562.61	\$ 952,752.54
November 2038	2,117,040.74	322,085.70	931,496.78
December 2038	2,069,676.68	312,858.74	910,656.59
January 2039	2,023,239.82	303,875.42	890,224.36
February 2039	1,977,713.15	295,129.61	870,192.63
March 2039	1,933,079.99	286,615.31	850,554.03
April 2039	1,889,323.92	278,326.68	831,301.35
May 2039	1,846,428.85	270,258.01	812,427.52
June 2039	1,804,378.94	262,403.73	793,925.55
July 2039	1,763,158.64	254,758.41	775,788.62
August 2039	1,722,752.70	247,316.77	758,010.00
September 2039	1,683,146.09	240,073.64	740,583.09
October 2039	1,644,324.10	233,023.98	723,501.41
November 2039	1,606,272.24	226,162.88	706,758.58
December 2039	1,568,976.30	219,485.54	690,348.37
January 2040	1,532,422.31	212,987.29	674,264.61
February 2040	1,496,596.56	206,663.57	658,501.27
March 2040	1,461,485.56	200,509.93	643,052.43
April 2040	1,427,076.09	194,522.03	627,912.25
May 2040	1,393,355.13	188,695.65	613,075.03
June 2040	1,360,309.94	183,026.66	598,535.14
July 2040	1,327,927.95	177,511.02	584,287.06
August 2040	1,296,196.85	172,144.83	570,325.37
September 2040	1,265,104.54	166,924.24	556,644.75
October 2040	1,234,639.14	161,845.53	543,239.97
November 2040	1,204,788.98	156,905.06	530,105.89
December 2040	1,175,542.58	152,099.27	517,237.47
January 2041	1,146,888.69	147,424.70	504,629.76
February 2041	1,118,816.24	142,877.97	492,277.88
March 2041	1,091,314.38	138,455.80	480,177.05
April 2041	1,064,372.44	134,154.97	468,322.59
May 2041	1,037,979.94	129,972.35	456,709.89
June 2041	1,012,126.58	125,904.88	445,334.40
July 2041	986,802.26	121,949.59	434,191.70
August 2041	961,997.06	118,103.57	423,277.41
September 2041	937,701.22	114,364.00	412,587.23
October 2041	913,905.18	110,728.10	402,116.97
November 2041	890,599.53	107,193.20	391,862.48
December 2041	867,775.03	103,756.66	381,819.70
January 2042	845,422.63	100,415.92	371,984.63
February 2042	823,533.40	97,168.50	362,353.37
March 2042	802,098.62	94,011.95	352,922.06
April 2042	781,109.68	90,943.91	343,686.92
May 2042	760,558.16	87,962.06	334,644.25
June 2042	740,435.77	85,064.14	325,790.39
July 2042	720,734.39	82,247.97	317,121.78
August 2042	701,446.01	79,511.39	308,634.89

<u>Distribution Date</u>	<u>Classes FG and PG (in the aggregate)</u>	<u>Classes FL, PK and PL (in the aggregate)</u>	<u>Classes GP and TF (in the aggregate)</u>
September 2042	\$ 682,562.81	\$ 76,852.32	\$ 300,326.27
October 2042	664,077.07	74,268.72	292,192.54
November 2042	645,981.24	71,758.60	284,230.37
December 2042	628,267.89	69,320.03	276,436.49
January 2043	610,929.72	66,951.12	268,807.70
February 2043	593,959.58	64,650.04	261,340.83
March 2043	577,350.44	62,414.99	254,032.80
April 2043	561,095.38	60,244.21	246,880.57
May 2043	545,187.64	58,136.02	239,881.16
June 2043	529,620.56	56,088.74	233,031.64
July 2043	514,387.59	54,100.76	226,329.13
August 2043	499,482.33	52,170.50	219,770.81
September 2043	484,898.47	50,296.43	213,353.90
October 2043	470,629.82	48,477.04	207,075.70
November 2043	456,670.32	46,710.88	200,933.51
December 2043	443,013.99	44,996.51	194,924.72
January 2044	429,654.99	43,332.56	189,046.75
February 2044	416,587.56	41,717.67	183,297.08
March 2044	403,806.06	40,150.53	177,673.21
April 2044	391,304.95	38,629.84	172,172.72
May 2044	379,078.78	37,154.36	166,793.20
June 2044	367,122.22	35,722.87	161,532.31
July 2044	355,430.03	34,334.19	156,387.74
August 2044	343,997.05	32,987.14	151,357.22
September 2044	332,818.23	31,680.61	146,438.53
October 2044	321,888.61	30,413.49	141,629.50
November 2044	311,203.32	29,184.71	136,927.97
December 2044	300,757.58	27,993.24	132,331.83
January 2045	290,546.70	26,838.05	127,839.04
February 2045	280,566.06	25,718.15	123,447.55
March 2045	270,811.15	24,632.57	119,155.39
April 2045	261,277.52	23,580.39	114,960.59
May 2045	251,960.82	22,560.67	110,861.23
June 2045	242,856.76	21,572.53	106,855.44
July 2045	233,961.16	20,615.10	102,941.37
August 2045	225,269.88	19,687.53	99,117.20
September 2045	216,778.88	18,789.00	95,381.16
October 2045	208,484.19	17,918.69	91,731.49
November 2045	200,381.91	17,075.84	88,166.48
December 2045	192,468.21	16,259.67	84,684.45
January 2046	184,739.35	15,469.45	81,283.74
February 2046	177,191.62	14,704.44	77,962.74
March 2046	169,821.43	13,963.95	74,719.84
April 2046	162,625.20	13,247.30	71,553.50
May 2046	155,599.47	12,553.80	68,462.17
June 2046	148,740.80	11,882.81	65,444.35
July 2046	142,045.85	11,233.70	62,498.57

<u>Distribution Date</u>	<u>Classes FG and PG (in the aggregate)</u>	<u>Classes FL, PK and PL (in the aggregate)</u>	<u>Classes GP and TF (in the aggregate)</u>
August 2046	\$ 135,511.31	\$ 10,605.84	\$ 59,623.37
September 2046	129,133.96	9,998.65	56,817.33
October 2046	122,910.63	9,411.52	54,079.05
November 2046	116,838.19	8,843.90	51,407.17
December 2046	110,913.59	8,295.23	48,800.35
January 2047	105,133.84	7,764.96	46,257.25
February 2047	99,495.99	7,252.58	43,776.59
March 2047	93,997.15	6,757.56	41,357.09
April 2047	88,634.50	6,279.41	38,997.52
May 2047	83,405.24	5,817.65	36,696.64
June 2047	78,306.66	5,371.79	34,453.26
July 2047	73,336.06	4,941.39	32,266.19
August 2047	68,490.84	4,526.00	30,134.29
September 2047	63,768.41	4,125.17	28,056.41
October 2047	59,166.23	3,738.48	26,031.45
November 2047	54,681.83	3,365.53	24,058.31
December 2047	50,312.78	3,005.90	22,135.92
January 2048	46,056.69	2,659.21	20,263.23
February 2048	41,911.20	2,325.08	18,439.21
March 2048	37,874.02	2,003.13	16,662.85
April 2048	33,942.91	1,693.01	14,933.15
May 2048	30,115.63	1,394.36	13,249.14
June 2048	26,390.02	1,106.84	11,609.87
July 2048	22,763.96	830.12	10,014.39
August 2048	19,235.35	563.88	8,461.80
September 2048	15,802.13	307.80	6,951.18
October 2048	12,462.31	61.58	5,481.65
November 2048	9,213.90	0.00	4,052.34
December 2048	6,054.98	0.00	2,662.41
January 2049	2,983.64	0.00	1,311.01
February 2049 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(I)	Final Distribution Date	Principal Type(I)	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 Average Remaining Maturity of Mortgage Loans (in months)(3)	Approximate Weighted Average Age of Mortgage Loans (in months)(3)	Ginnie Mae For II
5	Ginnie Mae	2018-145	PA(4)	October 30, 2018	38381AELS1	3.5%	FIX	October 2048	PAC I	\$ 39,787,777	0.98769207	\$22,256,879	56.6360593606%	5.445%	353	6	II
7	Ginnie Mae	2018-125	MS(5)	September 28, 2018	38380YAC6	(6)	INV/DLY	August 2048	SC/PT	3,219,343	0.96342446	3,101,593	100.0000000000	(5)	(5)	(5)	II
8A	Ginnie Mae	2008-065	FB(4)	August 29, 2008	38375YBA9	(6)	FLT	August 2038	PT	103,000,250	0.02969092	3,058,172	100.0000000000	6.383	223	128	II
8A	Ginnie Mae	2009-010	FB	February 27, 2009	38374TAE4	(6)	FLT	February 2039	PT	60,000,000	0.04090730	2,015,365	83.3333333333	6.606	227	123	II
8A	Ginnie Mae	2009-011	BF	February 27, 2009	38374THN7	(6)	FLT	February 2039	PT	156,095,082	0.03962735	2,222,899	35.9564826113	6.606	227	123	II
8B	Ginnie Mae	2009-024	DF(4)(7)	April 30, 2009	38374XB95	(6)	FLT	March 2039	SC/PAC	61,175,294	0.01130210	691,409	100.0000000000	6.383	223	128	II
8B	Ginnie Mae	2009-033	FK	May 29, 2009	38374UJ11	(6)	FLT	May 2039	TAC/AD	100,000,000	0.02169904	2,169,904	100.0000000000	6.492	224	127	II
8B	Ginnie Mae	2009-033	FL(4)	May 29, 2009	38374LLT5	(6)	FLT	May 2039	TAC/AD	594,961,856	0.02169904	1,116,921	8.6515292503	6.492	224	127	II
11	Ginnie Mae	2011-087	SA(4)(8)	June 30, 2011	38376LKT5	(6)	INV/IO	June 2041	NUL(PT)	55,666,666	0.19263292	10,723,232	100.0000000000	(8)	(8)	(8)	I
11	Ginnie Mae	2011-146	YS(4)	November 30, 2011	38378AMH1	(6)	INV/IO	November 2041	NUL(PT)	36,141,761	0.30779462	11,031,901	99.1699553001	5,500	233	114	I

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

(2) Underlying Certificate Factors are as of March 2019.

(3) Based on information as of March 2019.

(4) MX Class.

(5) Ginnie Mae 2018-125 Class MS is backed by previously issued REMIC certificates, Classes MK and MU from Ginnie Mae 2018-097, and by a previously issued MX certificate, Class CQ from Ginnie Mae 2018-112. Ginnie Mae 2018-097 Classes MK and MU are REMIC Classes that are related to separate Trust Asset Subgroups. These Trust Asset Subgroups and Class CQ from Ginnie Mae 2018-112 are backed by certain mortgage loans whose approximate weighted average characteristics are as follows:

Series	Class or Trust Asset Subgroup	Approximate Weighted Average Coupon of Mortgage Loans(3)	Approximate Weighted Average Remaining Maturity of Mortgage Loans (in months)(3)	Approximate Weighted Average Loan Age of Mortgage Loans (in months)(3)
2018-097	2G	4.963%	349	10
2018-097	2H	4.974	350	9
2018-097	2I	4.936	350	9
2018-112	CQ	5.010	352	8

- (6) The Interest Rate will be calculated as described under “Terms Sheet — Interest Rates” in the related Underlying Certificate Disclosure Document.
- (7) Ginnie Mae 2009-024 Class DF is backed by a previously issued MX certificate, Class W from Ginnie Mae 2009-012.
- (8) Ginnie Mae 2011-087 Class SA is an MX Class that is derived from REMIC Classes of separate Security Groups. This previously issued certificate is backed by certain mortgage loans whose approximate weighted average characteristics are as follows:

Series	Trust Asset Group	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)
2011-087	5	5.500%	243	109
2011-087	6	5.500	244	106



\$1,456,608,123

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**Guaranteed REMIC
Pass-Through Securities
and MX Securities
Ginnie Mae REMIC Trust 2019-029**

OFFERING CIRCULAR SUPPLEMENT
March 22, 2019

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