

\$365,890,556
Government National Mortgage Association

GINNIE MAE®

**Guaranteed HECM MBS REMIC Pass-Through Securities
and MX Securities
Ginnie Mae REMIC Trust 2019-H12**

The Securities

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

The Ginnie Mae Guaranty

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

The Trust and its Assets

The Trust will own Ginnie Mae HECM MBS.

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						
AI	\$38,027,794	(5)	NTL(HPT)	HWAC/IO/DLY	38380LWK5	July 2069
FA	38,027,794	(5)	HPT	FLT/HWAC/HZ	38380LWL3	July 2069
Security Group 2						
BI	38,004,943	(5)	NTL(HPT)	HWAC/IO/DLY	38380LWM1	July 2069
FB	38,004,943	(5)	HPT	FLT/HWAC/HZ	38380LWN9	July 2069
Security Group 3						
CI	31,851,405	(5)	NTL(HPT)	HWAC/IO/DLY	38380LWP4	July 2069
FC	31,851,405	(5)	HPT	FLT/HWAC/HZ	38380LWQ2	July 2069
Security Group 4						
DI	23,456,177	(5)	NTL(HPT)	HWAC/IO/DLY	38380LWR0	June 2069
FD(1)	23,456,177	(5)	HPT	FLT/HWAC/HZ	38380LWS8	June 2069
Security Group 5						
EF	29,718,670	(5)	HPT	FLT/HWAC/HZ	38380LWT6	July 2069
ET	36,436,493	(5)	NTL(HPT)	HWAC/IO/DLY	38380LWU3	July 2069
FE(1)	6,717,823	(5)	HPT	FLT/HWAC/HZ	38380LWV1	July 2069
Security Group 6						
FG	38,377,579	(5)	HPT	FLT/HWAC/HZ	38380LWW9	July 2069
GI	38,377,579	(5)	NTL(HPT)	HWAC/IO/DLY	38380LWX7	July 2069
Security Group 7						
FL	15,000,000	(5)	HPT	FLT/HWAC/HZ	38380LWY5	July 2069
LI(1)	15,000,000	(5)	NTL(HPT)	HWAC/IO/DLY	38380LWZ2	July 2069
Security Group 8						
FM	44,086,890	(5)	HPT	FLT/HWAC/HZ	38380LXA6	July 2069
MI(1)	44,086,890	(5)	NTL(HPT)	HWAC/IO/DLY	38380LXB4	July 2069
Security Group 9						
FN	27,739,305	(5)	HPT	FLT/HWAC/HZ	38380LXC2	July 2069
NI(1)	27,739,305	(5)	NTL(HPT)	HWAC/IO/DLY	38380LXD0	July 2069
Security Group 10						
JA	69,264,472	2.50%	HSEQ	FIX/HZ	38380LXE8	July 2069
IL	69,264,472	(5)	NTL(HSEQ)	HWAC/IO/DLY	38380LXF5	July 2069
IJ	3,645,498	(5)	HSEQ	HWAC/HZ/DLY	38380LXG3	July 2069
Residual						
RR	0	0.00	NPR	NPR	38380LXH1	July 2069

- (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 either reduced or increased, as applicable, 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.

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-17 which highlights some of these risks.

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

Citigroup

Academy Securities

The date of this Offering Circular Supplement is July 23, 2019.

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,
- the HECM MBS Base Prospectus dated October 1, 2007, July 1, 2011, November 1, 2013 or June 1, 2014, as applicable (the “HECM MBS Base Prospectus”) and
- each HECM MBS Prospectus Supplement relating to the HECM MBS (the “HECM MBS Prospectus Supplements,” together with the HECM MBS Base Prospectus, the “HECM MBS Disclosure Documents”).

The Base Offering Circular and the HECM MBS 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.

Unless otherwise specifically defined herein, please consult the standard abbreviations of Class Types included in the Base Offering Circular as Appendix I and the glossary included in the Base Offering Circular as Appendix II for definitions of capitalized terms.

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TERMS SHEET

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

Sponsor: Citigroup Global Markets Inc.

Co-Sponsor: Academy Securities, Inc.

Trustee: U.S. Bank National Association

Tax Administrator: The Trustee

Closing Date: July 30, 2019

Distribution Date: The 20th day of each month or, if the 20th day is not a Business Day, the first Business Day thereafter, commencing in August 2019.

Trust Assets:

Trust Asset Group	Trust Asset Type ⁽¹⁾	HECM MBS Principal Balance	HECM MBS Rate ⁽²⁾	Original Term to Maturity (in years)
1	Ginnie Mae II ⁽³⁾	\$38,027,794	⁽⁴⁾ (5)	50
2	Ginnie Mae II ⁽⁶⁾	38,004,943	⁽⁴⁾ (7)	50
3	Ginnie Mae II ⁽⁸⁾	31,851,405	⁽⁴⁾ (9)	50
4	Ginnie Mae II ⁽¹⁰⁾	23,456,177	⁽⁴⁾ (11)	50
5	Ginnie Mae II ⁽¹²⁾	36,436,493	⁽⁴⁾ (13)	50
6	Ginnie Mae II ⁽¹⁴⁾	38,377,579	⁽⁴⁾ (15)	50
7	Ginnie Mae II ⁽¹⁶⁾	15,000,000	⁽⁴⁾ (17)	50
8	Ginnie Mae II ⁽¹⁸⁾	44,086,890	⁽⁴⁾ (19)	50
9	Ginnie Mae II ⁽²⁰⁾	27,739,305	⁽⁴⁾ (21)	50
10	Ginnie Mae II ⁽²²⁾	72,909,970	⁽²³⁾	50

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- (1) The Trust Assets are HECM MBS backed by participation interests (each, a “Participation”) in advances made to borrowers and related amounts in respect of home equity conversion mortgage loans (“HECMs”) insured by FHA. See “*The Trust Assets — The Participations and the HECMs*” in this Supplement. Certain additional information regarding the HECM MBS is set forth in Exhibit A to this Supplement.
- (2) The HECM MBS Rate for each Trust Asset is the weighted average coupon of its related Participation interest rates (“WACR”). WACR constitutes the Weighted Average Coupon Rate for purposes of this Supplement. See “*The Trust Assets — The Trust MBS*” in this Supplement.
- (3) The Group 1 Trust Assets consist of Ginnie Mae HECM MBS pools BN2868, BN4401, BN4409 and BO1444.
- (4) The applicable index for each of the Group 1 through 9 Trust Assets is one-year LIBOR (“One-Year LIBOR”). The actual HECM lifetime and annual caps on interest rate adjustments may limit whether the HECM MBS Rate for a particular Group 1 through 9 Trust Asset remains at One-Year LIBOR (as determined pursuant to the HECM loan documents) plus the applicable margin. See “*The Trust Assets — The Trust MBS*” and “*Risk Factors — Adjustable rate HECMs are subject to limitations on interest rate adjustments, which may limit the amount of interest payable in respect of the related HECM MBS and may limit the WACR on the related HECM MBS and the interest rates on the group 1 through 9 securities*” in this Supplement.

- (5) The approximate weighted average margins on the Participations (net of the related Servicing Fee Margin) underlying the Group 1 HECM MBS pools range from 1.140% to 2.140%.
- (6) The Group 2 Trust Assets consist of Ginnie Mae HECM MBS pools BN2868, BN4401, BN4409, BN4410, BO1442 and BO1444.
- (7) The approximate weighted average margins on the Participations (net of the related Servicing Fee Margin) underlying the Group 2 HECM MBS pools range from 1.084% to 2.205%.
- (8) The Group 3 Trust Assets consist of Ginnie Mae HECM MBS pools BN2868, BO0001 and BO0002.
- (9) The approximate weighted average margins on the Participations (net of the related Servicing Fee Margin) underlying the Group 3 HECM MBS pools range from 0.515% to 2.140%.
- (10) The Group 4 Trust Assets consist of Ginnie Mae HECM MBS pools BE9478, BE9481, BK5120, BM0994, BM7659, BM8879, BN0677 and BN4497.
- (11) The approximate weighted average margins on the Participations (net of the related Servicing Fee Margin) underlying the Group 4 HECM MBS pools at issuance ranged from 0.890% to 2.126%.
- (12) The Group 5 Trust Assets consist of Ginnie Mae HECM MBS pools BK5128, BN0491, BN2861, BN9994, BN9998 and BO1437.
- (13) The approximate weighted average margins on the Participations (net of the related Servicing Fee Margin) underlying the Group 5 HECM MBS pools range from 2.223% to 2.568%.
- (14) The Group 6 Trust Assets consist of Ginnie Mae HECM MBS pools BK0767, BM7277, BN2853 and BN2857.
- (15) The approximate weighted average margins on the Participations (net of the related Servicing Fee Margin) underlying the Group 6 HECM MBS pools range from 2.331% to 2.890%.
- (16) The Group 7 Trust Assets consist of Ginnie Mae HECM MBS pools AM7903, BM4322, BN2856 and BN2858.
- (17) The approximate weighted average margins on the Participations (net of the related Servicing Fee Margin) underlying the Group 7 HECM MBS pools range from 0.882% to 2.710%.
- (18) The Group 8 Trust Assets consist of Ginnie Mae HECM MBS pools BN2865 and BN2867.
- (19) The approximate weighted average margins on the Participations (net of the related Servicing Fee Margin) underlying the Group 8 HECM MBS pools range from 1.390% to 2.870%.
- (20) The Group 9 Trust Assets consist of Ginnie Mae HECM MBS pools AM7900, AM7902, AM7903, BM4322, BN2856, BN2858 and BN9997.
- (21) The approximate weighted average margins on the Participations (net of the related Servicing Fee Margin) underlying the Group 9 HECM MBS pools range from 0.882% to 2.710%.
- (22) The Group 10 Trust Assets consist of Ginnie Mae HECM MBS pools 710063, 710070, 710077, 710078, 710082, 751415, 756687, 756712, 756715, 756721, 756731, 757335, 757360, 765151, 765165, 765227, 766519, 766524, 766531, 771803, 773419, 773426, 773427, 773438, 773442, 791931, 791934, 795485, 795527, 798516, AB6572, AB7898, AC0932, AC0977, AC0980, AE0488, AF7302, AF7320, AF7346, AF7364, AG8022, AG8049, AG8161, AH1025, AH1166, AH1194, AH1198, AH1201, AH1225, AH1264, AH4651, AI2400, AI6940, AN1938, AQ1072, AR6569, AT2424, AU1858, AU3151, AV9515, AV9520, AX6699, AX6704, AX7803, BC0786, BE5521, BE5567, BG8793, BI4586, BJ5519, BJ5533, BK5121, BN0490, BN1326, BN2846, BN2863, BN3248, BN4397, BN4406, BN4407 and BN9691.
- (23) The interest rates of the Participations (net of the related Servicing Fee Margin) underlying the Group 10 HECM MBS pools at issuance ranged from 2.500% to 7.030%.

Security Groups: This series of Securities consists of multiple Security Groups (each, a “Group”), as shown on the front cover of this Supplement and on Schedule I to this Supplement. Except in the case of the MX Classes, payments on each Group will be based solely on payments on the Trust Asset Group with the same numerical designation.

Assumed Characteristics of the HECMs and the Participations Underlying the Trust Assets: The assumed characteristics of the HECMs and the Participations underlying the Trust Assets are identified in Exhibit A to this Supplement. The assumed characteristics may differ, perhaps significantly, from the characteristics of the HECMs and the related Participations as of the date of issuance of the related HECM MBS, which characteristics are identified in the related HECM MBS Prospectus Supplement. There can be no assurance that the actual characteristics of the HECMs and the Participations underlying the Trust Assets will be the same as the assumed characteristics identified in Exhibit A to this Supplement.

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

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

Increased Minimum Denomination Classes: Each Regular and MX Class. See “Description of the Securities — Form of Securities” in this Supplement.

Interest Rates: The Interest Rate for the Fixed Rate Class is shown on the front cover of this Supplement.

The Floating Rate Classes will bear interest at per annum rates based on One-Month LIBOR (hereinafter referred to as “One-Month LIBOR”) or One-Year LIBOR as follows:

Class	Interest Rate Formula(1)	Initial Interest Rate(2)	Minimum Rate(3)	Maximum Rate(4)	Delay (in days)	One-Month LIBOR or One-Year LIBOR for Minimum Interest Rate
EF	One-Year LIBOR + 0.35%	2.53000%	0.35%	7.50%	0	0.00%
F	One-Year LIBOR + 0.46%	2.64000%	0.46%	7.50%	0	0.00%
FA	One-Month LIBOR + 0.65%	3.04000%	0.65%	7.50%	0	0.00%
FB	One-Month LIBOR + 0.70%	3.08800%	0.70%	7.50%	0	0.00%
FC	One-Month LIBOR + 0.70%	3.08800%	0.70%	7.50%	0	0.00%
FD	One-Year LIBOR + 0.46%	2.64000%	0.46%	7.50%	0	0.00%
FE	One-Year LIBOR + 0.46%	2.64000%	0.46%	7.50%	0	0.00%
FG	One-Month LIBOR + 0.50%	2.85000%	0.50%	7.50%	0	0.00%
FL	One-Month LIBOR + 1.00%	3.36650%	1.00%	(5)	0	0.00%
FM	One-Month LIBOR + 0.75%	3.11650%	0.75%	7.50%	0	0.00%
FN	One-Month LIBOR + 0.65%	3.01650%	0.65%	7.50%	0	0.00%

- (1) One-Month LIBOR and One-Year LIBOR will be established as described under “Description of the Securities — Interest Distributions — Floating Rate Classes” in this Supplement.
- (2) The initial Interest Rate will be in effect during the first Accrual Period; the Interest Rate for each of Classes FA, FB, FC, FG, FL, FM and FN will adjust monthly thereafter. The Interest Rate for each of Classes EF, F, FD and FE will adjust annually, beginning with the Accrual Period related to the Distribution Date in August 2020.
- (3) The minimum rate for any Accrual Period will be the lesser of (i) the rate indicated in this table under the heading “Minimum Rate” and (ii) the WACR for the related Trust Asset Group. In the case of Class F, the minimum rate for any Accrual Period will be limited by the aggregate interest accrued on the related REMIC Classes for that Accrual Period.

- (4) Except as otherwise indicated in this table, the maximum rate for any Accrual Period will be the lesser of (i) the rate indicated in this table under the heading “Maximum Rate” and (ii) the WACR for the related Trust Asset Group. In the case of Class F, the maximum rate for any Accrual Period will be limited by the aggregate interest accrued on the related REMIC Classes for that Accrual Period. *See “Risk Factors — The maximum rate on each floating rate class could limit the amount of interest that accrues on such class” in this Supplement.*
- (5) The maximum rate for Class FL for any Accrual Period will be the WACR for Trust Asset Group 7.

Each of the Floating Rate Classes will bear interest during each Accrual Period at a per annum rate equal to the lesser of the related maximum rate and the result based on the related interest rate formula described above.

The approximate initial Interest Rates for the Interest Only Classes and Class JZ are set forth in the table below.

Class	Approximate Initial Interest Rate⁽¹⁾
AI	0.95860%
BI	0.89628%
CI	0.84339%
DI	1.81218%
EI	2.72935%
GI	2.45625%
IB ⁽²⁾	0.93888%
IO ⁽²⁾	1.04937%
JL	1.95149%
JZ	4.45149%
LI	0.92327%
MI	0.94419%
NI	1.28474%

- (1) The approximate initial Interest Rates for the Classes set forth in the table above were calculated using the assumed characteristics of the HECMs and the Participations underlying the related Trust Assets set forth in Exhibit A, which are provided by the Sponsor as of July 1, 2019. The assumed characteristics include rounded weighted average gross interest rates on the HECMs related to the Participations backing the Trust Assets. The actual initial Interest Rates for such Classes will be calculated based on the interest that accrues on each HECM, aggregated and then rounded to a different level of precision. Therefore the actual initial Interest Rates for such Classes may differ from the approximate initial Interest Rates set forth herein. On or about the first Distribution Date, investors can obtain the actual initial Interest Rates for such Classes for the related Accrual Period from the Trustee’s website, www.usbank.com/abs.

- (2) MX Class.

Class JZ is an HWAC Class that will bear interest during each Accrual Period at a per annum rate equal to the WACR of the related Trust Assets.

Each of Classes IB and IO is an MX Class that is an HWAC Class that will accrue interest during each Accrual Period at an equivalent annualized rate derived by aggregating the accrued interest on its related REMIC Classes for such Accrual Period expressed as a percentage of its outstanding notional balance for such Accrual Period.

Class AI Interest Rate: For any Distribution Date, a per annum rate equal to the product of (i) 12 multiplied by (ii) the quotient of (a) the excess, if any, of (I) the interest accrued for the Accrual Period immediately preceding such Distribution Date on the Group 1 Trust Assets over (II) the Class FA Interest

Accrual Amount for such Distribution Date, divided by (b) the outstanding principal balance of the Group 1 Trust Assets as of the related Record Date for Class AI.

Class BI Interest Rate: For any Distribution Date, a per annum rate equal to the product of (i) 12 multiplied by (ii) the quotient of (a) the excess, if any, of (I) the interest accrued for the Accrual Period immediately preceding such Distribution Date on the Group 2 Trust Assets over (II) the Class FB Interest Accrual Amount for such Distribution Date, divided by (b) the outstanding principal balance of the Group 2 Trust Assets as of the related Record Date for Class BI.

Class CI Interest Rate: For any Distribution Date, a per annum rate equal to the product of (i) 12 multiplied by (ii) the quotient of (a) the excess, if any, of (I) the interest accrued for the Accrual Period immediately preceding such Distribution Date on the Group 3 Trust Assets over (II) the Class FC Interest Accrual Amount for such Distribution Date, divided by (b) the outstanding principal balance of the Group 3 Trust Assets as of the related Record Date for Class CI.

Class DI Interest Rate: For any Distribution Date, a per annum rate equal to the product of (i) 12 multiplied by (ii) the quotient of (a) the excess, if any, of (I) the interest accrued for the Accrual Period immediately preceding such Distribution Date on the Group 4 Trust Assets over (II) the Class FD Interest Accrual Amount for such Distribution Date, divided by (b) the outstanding principal balance of the Group 4 Trust Assets as of the related Record Date for Class DI.

Class EI Interest Rate: For any Distribution Date, a per annum rate equal to the product of (i) 12 multiplied by (ii) the quotient of (a) the excess, if any, of (I) the interest accrued for the Accrual Period immediately preceding such Distribution Date on the Group 5 Trust Assets over (II) the sum of the Class EF Interest Accrual Amount and the Class FE Interest Accrual Amount for such Distribution Date, divided by (b) the outstanding principal balance of the Group 5 Trust Assets as of the related Record Date for Class EI.

Class GI Interest Rate: For any Distribution Date, a per annum rate equal to the product of (i) 12 multiplied by (ii) the quotient of (a) the excess, if any, of (I) the interest accrued for the Accrual Period immediately preceding such Distribution Date on the Group 6 Trust Assets over (II) the Class FG Interest Accrual Amount for such Distribution Date, divided by (b) the outstanding principal balance of the Group 6 Trust Assets as of the related Record Date for Class GI.

Class JI Interest Rate: For any Distribution Date, a per annum rate equal to the product of (i) 12 multiplied by (ii) the quotient of (a) the excess, if any, of (I) the interest accrued for the Accrual Period immediately preceding such Distribution Date on the Group 10 Trust Assets over (II) the sum of the Class JA Interest Accrual Amount and the Class JZ Interest Accrual Amount for such Distribution Date, divided by (b) the sum of the JA Principal Balance and the Class JI Deferred Interest Amount as of the related Record Date for Class JI.

Class LI Interest Rate: For any Distribution Date, a per annum rate equal to the product of (i) 12 multiplied by (ii) the quotient of (a) the excess, if any, of (I) the interest accrued for the Accrual Period immediately preceding such Distribution Date on the Group 7 Trust Assets over (II) the Class FL Interest Accrual Amount for such Distribution Date, divided by (b) the outstanding principal balance of the Group 7 Trust Assets as of the related Record Date for Class LI.

Class MI Interest Rate: For any Distribution Date, a per annum rate equal to the product of (i) 12 multiplied by (ii) the quotient of (a) the excess, if any, of (I) the interest accrued for the Accrual Period immediately preceding such Distribution Date on the Group 8 Trust Assets over (II) the Class FM Interest Accrual Amount for such Distribution Date, divided by (b) the outstanding principal balance of the Group 8 Trust Assets as of the related Record Date for Class MI.

Class NI Interest Rate: For any Distribution Date, a per annum rate equal to the product of (i) 12 multiplied by (ii) the quotient of (a) the excess, if any, of (I) the interest accrued for the Accrual Period immediately preceding such Distribution Date on the Group 9 Trust Assets over (II) the Class FN Interest Accrual Amount for such Distribution Date, divided by (b) the outstanding principal balance of the Group 9 Trust Assets as of the related Record Date for Class NI.

Distributions: On each Distribution Date, the following distributions will be made to the related Securities:

SECURITY GROUP 1

The Group 1 Available Distribution Amount will be allocated in the following order of priority:

1. Concurrently, to AI and FA, pro rata based on their respective Interest Accrual Amounts, up to the Class AI Interest Accrual Amount and the Class FA Interest Accrual Amount for such Distribution Date
2. To FA, in reduction of its Class Principal Balance, up to the amount of the Class FA Principal Distribution Amount for such Distribution Date, until retired
3. To AI, until the Class AI Deferred Interest Amount is reduced to zero

SECURITY GROUP 2

The Group 2 Available Distribution Amount will be allocated in the following order of priority:

1. Concurrently, to BI and FB, pro rata based on their respective Interest Accrual Amounts, up to the Class BI Interest Accrual Amount and the Class FB Interest Accrual Amount for such Distribution Date
2. To FB, in reduction of its Class Principal Balance, up to the amount of the Class FB Principal Distribution Amount for such Distribution Date, until retired
3. To BI, until the Class BI Deferred Interest Amount is reduced to zero

SECURITY GROUP 3

The Group 3 Available Distribution Amount will be allocated in the following order of priority:

1. Concurrently, to CI and FC, pro rata based on their respective Interest Accrual Amounts, up to the Class CI Interest Accrual Amount and the Class FC Interest Accrual Amount for such Distribution Date
2. To FC, in reduction of its Class Principal Balance, up to the amount of the Class FC Principal Distribution Amount for such Distribution Date, until retired
3. To CI, until the Class CI Deferred Interest Amount is reduced to zero

SECURITY GROUP 4

The Group 4 Available Distribution Amount will be allocated in the following order of priority:

1. Concurrently, to DI and FD, pro rata based on their respective Interest Accrual Amounts, up to the Class DI Interest Accrual Amount and the Class FD Interest Accrual Amount for such Distribution Date
2. To FD, in reduction of its Class Principal Balance, up to the amount of the Class FD Principal Distribution Amount for such Distribution Date, until retired
3. To DI, until the Class DI Deferred Interest Amount is reduced to zero

SECURITY GROUP 5

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

1. Concurrently, to EF, EI and FE, pro rata based on their respective Interest Accrual Amounts, up to the Class EF Interest Accrual Amount, the Class EI Interest Accrual Amount and the Class FE Interest Accrual Amount for such Distribution Date
2. Concurrently, to EF and FE, pro rata based on their respective Class Principal Balances, in reduction of their Class Principal Balances, up to the amount of the Group 5 Principal Distribution Amount for such Distribution Date, until retired
3. To EI, until the Class EI Deferred Interest Amount is reduced to zero

SECURITY GROUP 6

The Group 6 Available Distribution Amount will be allocated in the following order of priority:

1. Concurrently, to FG and GI, pro rata based on their respective Interest Accrual Amounts, up to the Class FG Interest Accrual Amount and the Class GI Interest Accrual Amount for such Distribution Date
2. To FG, in reduction of its Class Principal Balance, up to the amount of the Class FG Principal Distribution Amount for such Distribution Date, until retired
3. To GI, until the Class GI Deferred Interest Amount is reduced to zero

SECURITY GROUP 7

The Group 7 Available Distribution Amount will be allocated in the following order of priority:

1. Concurrently, to FL and LI, pro rata based on their respective Interest Accrual Amounts, up to the Class FL Interest Accrual Amount and the Class LI Interest Accrual Amount for such Distribution Date
2. To FL, in reduction of its Class Principal Balance, up to the amount of the Class FL Principal Distribution Amount for such Distribution Date, until retired
3. To LI, until the Class LI Deferred Interest Amount is reduced to zero

SECURITY GROUP 8

The Group 8 Available Distribution Amount will be allocated in the following order of priority:

1. Concurrently, to FM and MI, pro rata based on their respective Interest Accrual Amounts, up to the Class FM Interest Accrual Amount and the Class MI Interest Accrual Amount for such Distribution Date
2. To FM, in reduction of its Class Principal Balance, up to the amount of the Class FM Principal Distribution Amount for such Distribution Date, until retired
3. To MI, until the Class MI Deferred Interest Amount is reduced to zero

SECURITY GROUP 9

The Group 9 Available Distribution Amount will be allocated in the following order of priority:

1. Concurrently, to FN and NI, pro rata based on their respective Interest Accrual Amounts, up to the Class FN Interest Accrual Amount and the Class NI Interest Accrual Amount for such Distribution Date
2. To FN, in reduction of its Class Principal Balance, up to the amount of the Class FN Principal Distribution Amount for such Distribution Date, until retired
3. To NI, until the Class NI Deferred Interest Amount is reduced to zero

SECURITY GROUP 10

The Group 10 Available Distribution Amount will be allocated in the following order of priority:

1. Concurrently, to JA and JI, pro rata based on their respective Interest Accrual Amounts, up to the Class JA Interest Accrual Amount and the Class JI Interest Accrual Amount for such Distribution Date
2. To JA, in reduction of its Class Principal Balance, up to the amount of the Class JA Principal Distribution Amount for such Distribution Date, until retired
3. To JI, until the Class JI Deferred Interest Amount is reduced to zero

4. To JZ, up to the Class JZ Interest Accrual Amount for such Distribution Date

5. To JZ, in reduction of its Class Principal Balance, until retired

Available Distribution Amount: For each Security Group, with respect to each Distribution Date, the excess, if any, of (a) the sum of (i) the product of (A) the original principal amount of the related HECM MBS and (B) the Certificate Factor or Calculated Certificate Factor, as applicable, for the preceding Distribution Date and (ii) the interest accrued with respect to such HECM MBS for the related Accrual Period over (b) the product of (i) the original principal amount of such HECM MBS and (ii) the Certificate Factor or Calculated Certificate Factor, as applicable, for the current Distribution Date.

Class AI Deferred Interest Amount: With respect to any Distribution Date, the excess, if any, of (i) the sum of all Class AI Interest Accrual Amounts for each Accrual Period ending before such Distribution Date over (ii) the sum of (a) all amounts distributed in respect of Class AI on all prior Distribution Dates plus (b) the amount distributed in respect of Class AI on such Distribution Date pursuant to step 1. under Security Group 1 in “Terms Sheet — Distributions” in this Supplement. After the occurrence of any Distribution Date in any month, the remaining Class AI Deferred Interest Amount can be calculated by subtracting the Class FA Principal Balance after giving effect to any principal distribution (or any addition) made with respect to such Class as of such Distribution Date from the outstanding principal balance of the Group 1 Trust Assets after giving effect to any payments or accruals on the related HECM MBS as of such Distribution Date.

Class AI Interest Accrual Amount: For any Distribution Date, interest accrued during the related Accrual Period for such Distribution Date at the related Class AI Interest Rate on the Class Notional Balance of Class AI (the “Class AI Notional Balance”) as of the related Record Date.

Class BI Deferred Interest Amount: With respect to any Distribution Date, the excess, if any, of (i) the sum of all Class BI Interest Accrual Amounts for each Accrual Period ending before such Distribution Date over (ii) the sum of (a) all amounts distributed in respect of Class BI on all prior Distribution Dates plus (b) the amount distributed in respect of Class BI on such Distribution Date pursuant to step 1. under Security Group 2 in “Terms Sheet — Distributions” in this Supplement. After the occurrence of any Distribution Date in any month, the remaining Class BI Deferred Interest Amount can be calculated by subtracting the Class FB Principal Balance after giving effect to any principal distribution (or any addition) made with respect to such Class as of such Distribution Date from the outstanding principal balance of the Group 2 Trust Assets after giving effect to any payments or accruals on the related HECM MBS as of such Distribution Date.

Class BI Interest Accrual Amount: For any Distribution Date, interest accrued during the related Accrual Period for such Distribution Date at the related Class BI Interest Rate on the Class Notional Balance of Class BI (the “Class BI Notional Balance”) as of the related Record Date.

Class CI Deferred Interest Amount: With respect to any Distribution Date, the excess, if any, of (i) the sum of all Class CI Interest Accrual Amounts for each Accrual Period ending before such Distribution Date over (ii) the sum of (a) all amounts distributed in respect of Class CI on all prior Distribution Dates plus (b) the amount distributed in respect of Class CI on such Distribution Date pursuant to step 1. under Security Group 3 in “Terms Sheet — Distributions” in this Supplement. After the occurrence of any Distribution Date in any month, the remaining Class CI Deferred Interest Amount can be calculated by subtracting the Class FC Principal Balance after giving effect to any principal distribution (or any addition) made with respect to such Class as of such Distribution Date from the outstanding principal balance of the Group 3 Trust Assets after giving effect to any payments or accruals on the related HECM MBS as of such Distribution Date.

Class CI Interest Accrual Amount: For any Distribution Date, interest accrued during the related Accrual Period for such Distribution Date at the related Class CI Interest Rate on the Class Notional Balance of Class CI (the “Class CI Notional Balance”) as of the related Record Date.

Class DI Deferred Interest Amount: With respect to any Distribution Date, the excess, if any, of (i) the sum of all Class DI Interest Accrual Amounts for each Accrual Period ending before such Distribution Date over (ii) the sum of (a) all amounts distributed in respect of Class DI on all prior Distribution

Dates plus (b) the amount distributed in respect of Class DI on such Distribution Date pursuant to step 1. under Security Group 4 in “Terms Sheet — Distributions” in this Supplement. After the occurrence of any Distribution Date in any month, the remaining Class DI Deferred Interest Amount can be calculated by subtracting the Class FD Principal Balance after giving effect to any principal distribution (or any addition) made with respect to such Class as of such Distribution Date from the outstanding principal balance of the Group 4 Trust Assets after giving effect to any payments or accruals on the related HECM MBS as of such Distribution Date.

Class DI Interest Accrual Amount: For any Distribution Date, interest accrued during the related Accrual Period for such Distribution Date at the related Class DI Interest Rate on the Class Notional Balance of Class DI (the “Class DI Notional Balance”) as of the related Record Date.

Class EF Interest Accrual Amount: For any Distribution Date, interest accrued during the related Accrual Period for such Distribution Date at the related Interest Rate on the Class Principal Balance of Class EF as of the related Record Date. If, on any Distribution Date, the Class EF Interest Accrual Amount for such Distribution Date exceeds the amount distributed in respect of Class EF pursuant to step 1. under Security Group 5 in “Terms Sheet — Distributions” in this Supplement, such excess will be added to the Class Principal Balance of Class EF (the “Class EF Principal Balance”).

Class EI Deferred Interest Amount: With respect to any Distribution Date, the excess, if any, of (i) the sum of all Class EI Interest Accrual Amounts for each Accrual Period ending before such Distribution Date over (ii) the sum of (a) all amounts distributed in respect of Class EI on all prior Distribution Dates plus (b) the amount distributed in respect of Class EI on such Distribution Date pursuant to step 1. under Security Group 5 in “Terms Sheet — Distributions” in this Supplement. After the occurrence of any Distribution Date in any month, the remaining Class EI Deferred Interest Amount can be calculated by subtracting the Class EF Principal Balance and the Class FE Principal Balance after giving effect to any principal distributions (or any additions) made with respect to such Classes as of such Distribution Date from the outstanding principal balance of the Group 5 Trust Assets after giving effect to any payments or accruals on the related HECM MBS as of such Distribution Date.

Class EI Interest Accrual Amount: For any Distribution Date, interest accrued during the related Accrual Period for such Distribution Date at the related Class EI Interest Rate on the Class Notional Balance of Class EI (the “Class EI Notional Balance”) as of the related Record Date.

Class FA Interest Accrual Amount: For any Distribution Date, interest accrued during the related Accrual Period for such Distribution Date at the related Interest Rate on the Class Principal Balance of Class FA as of the related Record Date. If, on any Distribution Date, the Class FA Interest Accrual Amount for such Distribution Date exceeds the amount distributed in respect of Class FA pursuant to step 1. under Security Group 1 in “Terms Sheet — Distributions” in this Supplement, such excess will be added to the Class Principal Balance of Class FA (the “Class FA Principal Balance”).

Class FA Principal Distribution Amount: For any Distribution Date, the product of (i) the excess, if any, of (a) the Group 1 Available Distribution Amount for such Distribution Date over (b) the sum of the Class AI Interest Accrual Amount and the Class FA Interest Accrual Amount for such Distribution Date, and (ii) the quotient of (a) the Class FA Principal Balance as of the related Record Date divided by (b) the outstanding principal balance of the Group 1 Trust Assets as of the related Record Date for Class FA.

Class FB Interest Accrual Amount: For any Distribution Date, interest accrued during the related Accrual Period for such Distribution Date at the related Interest Rate on the Class Principal Balance of Class FB as of the related Record Date. If, on any Distribution Date, the Class FB Interest Accrual Amount for such Distribution Date exceeds the amount distributed in respect of Class FB pursuant to step 1. under Security Group 2 in “Terms Sheet — Distributions” in this Supplement, such excess will be added to the Class Principal Balance of Class FB (the “Class FB Principal Balance”).

Class FB Principal Distribution Amount: For any Distribution Date, the product of (i) the excess, if any, of (a) the Group 2 Available Distribution Amount for such Distribution Date over (b) the sum of the Class BI Interest Accrual Amount and the Class FB Interest Accrual Amount for such Distribution Date, and (ii) the quotient of (a) the Class FB Principal Balance as of the related Record Date divided by (b) the outstanding principal balance of the Group 2 Trust Assets as of the related Record Date for Class FB.

Class FC Interest Accrual Amount: For any Distribution Date, interest accrued during the related Accrual Period for such Distribution Date at the related Interest Rate on the Class Principal Balance of Class FC as of the related Record Date. If, on any Distribution Date, the Class FC Interest Accrual Amount for such Distribution Date exceeds the amount distributed in respect of Class FC pursuant to step 1. under Security Group 3 in “Terms Sheet — Distributions” in this Supplement, such excess will be added to the Class Principal Balance of Class FC (the “Class FC Principal Balance”).

Class FC Principal Distribution Amount: For any Distribution Date, the product of (i) the excess, if any, of (a) the Group 3 Available Distribution Amount for such Distribution Date over (b) the sum of the Class CI Interest Accrual Amount and the Class FC Interest Accrual Amount for such Distribution Date, and (ii) the quotient of (a) the Class FC Principal Balance as of the related Record Date divided by (b) the outstanding principal balance of the Group 3 Trust Assets as of the related Record Date for Class FC.

Class FD Interest Accrual Amount: For any Distribution Date, interest accrued during the related Accrual Period for such Distribution Date at the related Interest Rate on the Class Principal Balance of Class FD as of the related Record Date. If, on any Distribution Date, the Class FD Interest Accrual Amount for such Distribution Date exceeds the amount distributed in respect of Class FD pursuant to step 1. under Security Group 4 in “Terms Sheet — Distributions” in this Supplement, such excess will be added to the Class Principal Balance of Class FD (the “Class FD Principal Balance”).

Class FD Principal Distribution Amount: For any Distribution Date, the product of (i) the excess, if any, of (a) the Group 4 Available Distribution Amount for such Distribution Date over (b) the sum of the Class DI Interest Accrual Amount and the Class FD Interest Accrual Amount for such Distribution Date, and (ii) the quotient of (a) the Class FD Principal Balance as of the related Record Date divided by (b) the outstanding principal balance of the Group 4 Trust Assets as of the related Record Date for Class FD.

Class FE Interest Accrual Amount: For any Distribution Date, interest accrued during the related Accrual Period for such Distribution Date at the related Interest Rate on the Class Principal Balance of Class FE as of the related Record Date. If, on any Distribution Date, the Class FE Interest Accrual Amount for such Distribution Date exceeds the amount distributed in respect of Class FE pursuant to step 1. under Security Group 5 in “Terms Sheet — Distributions” in this Supplement, such excess will be added to the Class Principal Balance of Class FE (the “Class FE Principal Balance”).

Class FG Interest Accrual Amount: For any Distribution Date, interest accrued during the related Accrual Period for such Distribution Date at the related Interest Rate on the Class Principal Balance of Class FG as of the related Record Date. If, on any Distribution Date, the Class FG Interest Accrual Amount for such Distribution Date exceeds the amount distributed in respect of Class FG pursuant to step 1. under Security Group 6 in “Terms Sheet — Distributions” in this Supplement, such excess will be added to the Class Principal Balance of Class FG (the “Class FG Principal Balance”).

Class FG Principal Distribution Amount: For any Distribution Date, the product of (i) the excess, if any, of (a) the Group 6 Available Distribution Amount for such Distribution Date over (b) the sum of the Class FG Interest Accrual Amount and the Class GI Interest Accrual Amount for such Distribution Date, and (ii) the quotient of (a) the Class FG Principal Balance as of the related Record Date divided by (b) the outstanding principal balance of the Group 6 Trust Assets as of the related Record Date for Class FG.

Class FL Interest Accrual Amount: For any Distribution Date, interest accrued during the related Accrual Period for such Distribution Date at the related Interest Rate on the Class Principal Balance of Class FL as of the related Record Date. If, on any Distribution Date, the Class FL Interest Accrual Amount for such Distribution Date exceeds the amount distributed in respect of Class FL pursuant to step 1. under Security Group 7 in “Terms Sheet — Distributions” in this Supplement, such excess will be added to the Class Principal Balance of Class FL (the “Class FL Principal Balance”).

Class FL Principal Distribution Amount: For any Distribution Date, the product of (i) the excess, if any, of (a) the Group 7 Available Distribution Amount for such Distribution Date over (b) the sum of the Class FL Interest Accrual Amount and the Class LI Interest Accrual Amount for such Distribution Date, and (ii) the quotient of (a) the Class FL Principal Balance as of the related Record Date divided by (b) the outstanding principal balance of the Group 7 Trust Assets as of the related Record Date for Class FL.

Class FM Interest Accrual Amount: For any Distribution Date, interest accrued during the related Accrual Period for such Distribution Date at the related Interest Rate on the Class Principal Balance of Class FM as of the related Record Date. If, on any Distribution Date, the Class FM Interest Accrual Amount for such Distribution Date exceeds the amount distributed in respect of Class FM pursuant to step 1. under Security Group 8 in “Terms Sheet — Distributions” in this Supplement, such excess will be added to the Class Principal Balance of Class FM (the “Class FM Principal Balance”).

Class FM Principal Distribution Amount: For any Distribution Date, the product of (i) the excess, if any, of (a) the Group 8 Available Distribution Amount for such Distribution Date over (b) the sum of the Class FM Interest Accrual Amount and the Class MI Interest Accrual Amount for such Distribution Date, and (ii) the quotient of (a) the Class FM Principal Balance as of the related Record Date divided by (b) the outstanding principal balance of the Group 8 Trust Assets as of the related Record Date for Class FM.

Class FN Interest Accrual Amount: For any Distribution Date, interest accrued during the related Accrual Period for such Distribution Date at the related Interest Rate on the Class Principal Balance of Class FN as of the related Record Date. If, on any Distribution Date, the Class FN Interest Accrual Amount for such Distribution Date exceeds the amount distributed in respect of Class FN pursuant to step 1. under Security Group 9 in “Terms Sheet — Distributions” in this Supplement, such excess will be added to the Class Principal Balance of Class FN (the “Class FN Principal Balance”).

Class FN Principal Distribution Amount: For any Distribution Date, the product of (i) the excess, if any, of (a) the Group 9 Available Distribution Amount for such Distribution Date over (b) the sum of the Class FN Interest Accrual Amount and the Class NI Interest Accrual Amount for such Distribution Date, and (ii) the quotient of (a) the Class FN Principal Balance as of the related Record Date divided by (b) the outstanding principal balance of the Group 9 Trust Assets as of the related Record Date for Class FN.

Class GI Deferred Interest Amount: With respect to any Distribution Date, the excess, if any, of (i) the sum of all Class GI Interest Accrual Amounts for each Accrual Period ending before such Distribution Date over (ii) the sum of (a) all amounts distributed in respect of Class GI on all prior Distribution Dates plus (b) the amount distributed in respect of Class GI on such Distribution Date pursuant to step 1. under Security Group 6 in “Terms Sheet — Distributions” in this Supplement. After the occurrence of any Distribution Date in any month, the remaining Class GI Deferred Interest Amount can be calculated by subtracting the Class FG Principal Balance after giving effect to any principal distribution (or any addition) made with respect to such Class as of such Distribution Date from the outstanding principal balance of the Group 6 Trust Assets after giving effect to any payments or accruals on the related HECM MBS as of such Distribution Date.

Class GI Interest Accrual Amount: For any Distribution Date, interest accrued during the related Accrual Period for such Distribution Date at the related Class GI Interest Rate on the Class Notional Balance of Class GI (the “Class GI Notional Balance”) as of the related Record Date.

Class IB Deferred Interest Amount: With respect to any Distribution Date, the sum of the Class LI Deferred Interest Amount and the Class MI Deferred Interest Amount.

Class IO Deferred Interest Amount: With respect to any Distribution Date, the sum of the Class LI Deferred Interest Amount, the Class MI Deferred Interest Amount and the Class NI Deferred Interest Amount.

Class JA Interest Accrual Amount: For any Distribution Date, interest accrued during the related Accrual Period for such Distribution Date at the Interest Rate on the Class Principal Balance of Class JA as of the related Record Date. If, on any Distribution Date, the Class JA Interest Accrual Amount for such Distribution Date exceeds the amount distributed in respect of Class JA pursuant to step 1. under Security Group 10 in “Terms Sheet — Distributions” in this Supplement, such excess will be added to the Class Principal Balance of Class JA (the “Class JA Principal Balance”).

Class JA Principal Distribution Amount: For any Distribution Date, the product of (i) the excess, if any, of (a) the Group 10 Available Distribution Amount for such Distribution Date over (b) the sum of the Class JA Interest Accrual Amount and the Class JI Interest Accrual Amount for such Distribution Date, and (ii) the quotient of (a) the Class JA Principal Balance as of the related Record Date divided by (b) the sum of (x) the Class JA Principal Balance as of the related Record Date and (y) the Class JI Deferred Interest Amount as of the related Record Date.

Class JI Deferred Interest Amount: With respect to any Distribution Date, the excess, if any, of (i) the sum of all Class JI Interest Accrual Amounts for each Accrual Period ending before such Distribution Date over (ii) the sum of (a) all amounts distributed in respect of Class JI on all prior Distribution Dates plus (b) the amount distributed in respect of Class JI on such Distribution Date pursuant to step 1. under Security Group 10 in “Terms Sheet — Distributions” in this Supplement. After the occurrence of any Distribution Date in any month, the remaining Class JI Deferred Interest Amount can be calculated by subtracting the Class JA Principal Balance and the Class JZ Principal Balance after giving effect to any principal distributions (or any additions) made with respect to such Classes as of such Distribution Date from the outstanding principal balance of the Group 10 Trust Assets after giving effect to any payments or accruals on the related HECM MBS as of such Distribution Date.

Class JI Interest Accrual Amount: For any Distribution Date, interest accrued during the related Accrual Period for such Distribution Date at the related Class JI Interest Rate on the Class Notional Balance of Class JI (the “Class JI Notional Balance”) as of the related Record Date.

Class JZ Interest Accrual Amount: For any Distribution Date, interest accrued during the related Accrual Period for such Distribution Date at the related Interest Rate on the Class Principal Balance of Class JZ as of the related Record Date. If, on any Distribution Date, the Class JZ Interest Accrual Amount for such Distribution Date exceeds the amount distributed in respect of Class JZ pursuant to step 4. under Security Group 10 in “Terms Sheet — Distributions” in this Supplement, such excess will be added to the Class Principal Balance of Class JZ (the “Class JZ Principal Balance”).

Class LI Deferred Interest Amount: With respect to any Distribution Date, the excess, if any, of (i) the sum of all Class LI Interest Accrual Amounts for each Accrual Period ending before such Distribution Date over (ii) the sum of (a) all amounts distributed in respect of Class LI on all prior Distribution Dates plus (b) the amount distributed in respect of Class LI on such Distribution Date pursuant to step 1. under Security Group 7 in “Terms Sheet — Distributions” in this Supplement. After the occurrence of any Distribution Date in any month, the remaining Class LI Deferred Interest Amount can be calculated by subtracting the Class FL Principal Balance after giving effect to any principal distribution (or any addition) made with respect to such Class as of such Distribution Date from the outstanding principal balance of the Group 7 Trust Assets after giving effect to any payments or accruals on the related HECM MBS as of such Distribution Date.

Class LI Interest Accrual Amount: For any Distribution Date, interest accrued during the related Accrual Period for such Distribution Date at the related Class LI Interest Rate on the Class Notional Balance of Class LI (the “Class LI Notional Balance”) as of the related Record Date.

Class MI Deferred Interest Amount: With respect to any Distribution Date, the excess, if any, of (i) the sum of all Class MI Interest Accrual Amounts for each Accrual Period ending before such Distribution Date over (ii) the sum of (a) all amounts distributed in respect of Class MI on all prior Distribution Dates plus (b) the amount distributed in respect of Class MI on such Distribution Date pursuant to step 1. under Security Group 8 in “Terms Sheet — Distributions” in this Supplement. After the occurrence of any Distribution Date in any month, the remaining Class MI Deferred Interest Amount can be calculated by subtracting the Class FM Principal Balance after giving effect to any principal distribution (or any addition) made with respect to such Class as of such Distribution Date from the outstanding principal balance of the Group 8 Trust Assets after giving effect to any payments or accruals on the related HECM MBS as of such Distribution Date.

Class MI Interest Accrual Amount: For any Distribution Date, interest accrued during the related Accrual Period for such Distribution Date at the related Class MI Interest Rate on the Class Notional Balance of Class MI (the “Class MI Notional Balance”) as of the related Record Date.

Class NI Deferred Interest Amount: With respect to any Distribution Date, the excess, if any, of (i) the sum of all Class NI Interest Accrual Amounts for each Accrual Period ending before such Distribution Date over (ii) the sum of (a) all amounts distributed in respect of Class NI on all prior Distribution Dates plus (b) the amount distributed in respect of Class NI on such Distribution Date pursuant to step 1. under Security Group 9 in “Terms Sheet — Distributions” in this Supplement. After the occurrence of any Distribution Date in any month, the remaining Class NI Deferred Interest Amount can be calculated by subtracting the

Class FN Principal Balance after giving effect to any principal distribution (or any addition) made with respect to such Class as of such Distribution Date from the outstanding principal balance of the Group 9 Trust Assets after giving effect to any payments or accruals on the related HECM MBS as of such Distribution Date.

Class NI Interest Accrual Amount: For any Distribution Date, interest accrued during the related Accrual Period for such Distribution Date at the related Class NI Interest Rate on the Class Notional Balance of Class NI (the “Class NI Notional Balance”) as of the related Record Date.

Group 5 Principal Distribution Amount: For any Distribution Date, the product of (i) the excess, if any, of (a) the Group 5 Available Distribution Amount for such Distribution Date over (b) the sum of the Class EF Interest Accrual Amount, the Class EI Interest Accrual Amount and the Class FE Interest Accrual Amount for such Distribution Date, and (ii) the quotient of (a) the sum of the Class EF Principal Balance and the Class FE Principal Balance as of the related Record Date divided by (b) the outstanding principal balance of the Group 5 Trust Assets as of the related Record Date for Classes EF and FE.

Deferred Interest Amount: Any of the Class AI Deferred Interest Amount, the Class BI Deferred Interest Amount, the Class CI Deferred Interest Amount, the Class DI Deferred Interest Amount, the Class EI Deferred Interest Amount, the Class GI Deferred Interest Amount, the Class IB Deferred Interest Amount, the Class IO Deferred Interest Amount, the Class JI Deferred Interest Amount, the Class LI Deferred Interest Amount, the Class MI Deferred Interest Amount or the Class NI Deferred Interest Amount, as applicable. On or about each Distribution Date, the Deferred Interest Amount is available on reports published by the Trustee on its website, www.usbank.com/abs.

Interest Accrual Amount: Any of the Class AI Interest Accrual Amount, the Class BI Interest Accrual Amount, the Class CI Interest Accrual Amount, the Class DI Interest Accrual Amount, the Class EF Interest Accrual Amount, the Class EI Interest Accrual Amount, the Class FA Interest Accrual Amount, the Class FB Interest Accrual Amount, the Class FC Interest Accrual Amount, the Class FD Interest Accrual Amount, the Class FE Interest Accrual Amount, the Class FG Interest Accrual Amount, the Class FL Interest Accrual Amount, the Class FM Interest Accrual Amount, the Class FN Interest Accrual Amount, the Class GI Interest Accrual Amount, the Class JA Interest Accrual Amount, the Class JI Interest Accrual Amount, the Class JZ Interest Accrual Amount, the Class LI Interest Accrual Amount, the Class MI Interest Accrual Amount or the Class NI Interest Accrual Amount, as applicable.

Notional Classes: The Notional Classes will not receive distributions of principal based on their Class Notional Balances 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 or increases to that extent with, (1) the outstanding principal balance of the related Trust Asset Group or Groups indicated or (2) with the Class Principal Balance and Deferred Interest Amount indicated:

Class	Original Class Notional Balance	Represents
AI	\$38,027,794	100% of the Group 1 Trust Assets
BI	38,004,943	100% of the Group 2 Trust Assets
CI	31,851,405	100% of the Group 3 Trust Assets
DI	23,456,177	100% of the Group 4 Trust Assets
EI	36,436,493	100% of the Group 5 Trust Assets
GI	38,377,579	100% of the Group 6 Trust Assets
IB	59,086,890	100% of the Group 7 Trust Assets and the Group 8 Trust Assets (in the aggregate)
IO	86,826,195	100% of the Group 7 Trust Assets, the Group 8 Trust Assets and the Group 9 Trust Assets (in the aggregate)
JI	69,264,472	100% of Class JA (HSEQ Class) and the Class JI Deferred Interest Amount (in the aggregate)
LI	15,000,000	100% of the Group 7 Trust Assets
MI	44,086,890	100% of the Group 8 Trust Assets

Class	Original Class Notional Balance	Represents
NI	\$27,739,305	100% of the Group 9 Trust Assets

Tax Status: Double REMIC Series. See “*Certain United States Federal Income Tax Consequences*” in this Supplement and in the Base Offering Circular.

Regular and Residual Classes: Class RR is a Residual Class and represents the Residual Interest of the Issuing and Pooling REMICs. All other Classes of REMIC Securities are Regular Classes.

RISK FACTORS

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

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

In addition to voluntary prepayments, HECMs can be prepaid as a result of governmental mortgage insurance claim payments, loss mitigation arrangements, repurchases or liquidations of defaulted HECMs. Although under certain circumstances Ginnie Mae issuers have the option to repurchase defaulted HECMs from the related pool underlying a Ginnie Mae HECM MBS certificate, they are not obligated to do so. Defaulted HECMs that remain in pools backing Ginnie Mae HECM 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 related HECMs. Any such event may damage the related mortgaged properties that secure the HECMs 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 HECMs in such areas resulting in prepayments on the HECMs related to the participations underlying the trust assets due to governmental mortgage insurance claim payments, loss mitigation arrangements, repurchases or liquidations of defaulted HECMs. Insurance payments on damaged or destroyed homes may also lead to prepayments

on the related HECMs. 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 HECMs from the related pool underlying a Ginnie Mae MBS certificate, even if such HECMs 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 HECMs and the resulting effect on the timing or rate of principal payments on your securities.

It is uncertain when payments will be made in respect of securities backed by HECM MBS. The rate of voluntary prepayments and the occurrence of maturity events and Ginnie Mae issuer purchase events with respect to HECMs are uncertain. A borrower may prepay in whole or in part the outstanding balance of a HECM at any time without penalty, including any accrued interest thereon. No interest or principal is required to be paid by the borrower, however, until maturity, which generally occurs upon the occurrence of a maturity event, which may be deferred under certain circumstances. A Ginnie Mae issuer of a HECM MBS is obligated to purchase, under certain circumstances, all participations related to a HECM.

It is uncertain when any amounts might be paid on securities backed by HECM MBS because it is uncertain (i) whether a HECM borrower will choose to prepay amounts advanced in whole or in part, (ii) when any maturity event might occur, whether that maturity event will be deferred and, if so, the extent of the deferral and (iii) when any Ginnie Mae issuer purchase event might occur, and thus the yields on and weighted average lives of securities backed by HECM MBS may differ substantially from an investor's expectations. See "Risk Factors" and "Prepayment and Yield Considerations" in the HECM MBS Base Prospectus and "Yield, Maturity and Prepayment Considerations" in this supplement.

From time to time FHA and the residential mortgage industry make changes to the requirements, procedures and related fees for originating, refinancing and servicing HECMs. Any of these changes may result in HECM MBS backed by participations related to HECMs subject to different underwriting or servicing requirements or procedures. Such changes may impact borrower prepayment, delinquency, refinance and mortgage insurance claim rates and may influence the decision by a Ginnie Mae issuer whether to exercise any optional Ginnie Mae issuer purchase event.

The enforceability of some HECM maturity event clauses may be uncertain. HECMs contain clauses defining maturity events. The clauses in some HECMs permit the issuer to declare the HECM due and payable upon the death of the last surviving borrower. Litigation by surviving non-borrower spouses may interfere with or affect the ability of the issuer to realize upon the collateral. The inability to enforce a due-on-death clause may affect the weighted average lives and the yields realized by investors in the securities.

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

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

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

HECM borrowers may choose from various payment plans, each of which has different prepayment characteristics that may affect the weighted average lives and yields of the securities. For example, line of credit payment plans may experience higher prepayment rates than other payment plans. To the extent that the HECMs include a large concentration of line of credit HECMs, such HECMs may experience higher prepayment rates. Higher prepayment rates will reduce, perhaps significantly, the weighted average lives of the securities. Reductions in the weighted average lives of the securities will affect

the yields on the securities. HECM borrowers may have the ability to change to another available payment plan at any time as long as the change complies with the FHA requirements in effect. See *“The Trust Assets—The Participations and the HECMs” in this supplement.*

A HECM that has been drawn up to its principal limit, or becomes drawn up to its principal limit early in its term, could result in a reduction of the weighted average lives of and yields on the related securities. A borrower’s principal limit for a HECM represents the maximum disbursement that the borrower can receive under the HECM and is calculated, in part, on the basis of the maximum claim amount for such HECM. The borrower’s access to the principal limit may be restricted by the FHA loan origination requirements applicable to the related HECM. The maximum claim amount for a HECM generally represents the lender’s maximum insurance claim from HUD for such HECM. A HECM with a loan balance that is approaching or has reached its principal limit, or that is fully drawn early in its term, is likely to reach its maximum claim amount sooner than a HECM with significant remaining credit availability that is drawn over an extended period of time. When a HECM approaches its maximum claim amount, a mandatory purchase event or a 98% optional purchase event may occur. If a purchase of all participations relating to a HECM occurs under such a Ginnie Mae issuer purchase event, the purchase will result in a payment in respect of the related securities and will reduce the weighted average lives of such securities. Reductions in the weighted average lives of the securities will affect, perhaps significantly, the yields on the securities.

The levels of one-month LIBOR and one-year LIBOR, as applicable, will affect payments and yields on the group 1 through 9 securities. If one-month LIBOR or one-year LIBOR, as applicable, performs differently from what you expect, the yield on your securities may be lower than you expect. Lower levels of one-month LIBOR or one-year LIBOR, as applicable, may reduce the yield on floating rate securities. You should bear in mind that the timing of changes in one-month LIBOR or one-year LIBOR, as applicable, may also affect your yield: generally the earlier a change in one-month LIBOR or one-year LIBOR, as applicable, occurs, the greater the effect such change will have on your yield. It is doubtful that one-month LIBOR or one-year LIBOR will remain constant.

In addition, higher levels of one-year LIBOR will increase the rate at which adjustable rate HECMs reach their maximum claim amounts. When a HECM approaches its maximum claim amount, certain Ginnie Mae issuer purchase events could occur resulting in a prepayment in respect of the related securities and reductions in the weighted average lives of the related securities. Reductions in the weighted average lives of the securities will affect, perhaps significantly, the yields on the securities.

One-year LIBOR for the HECMs related to the participations underlying the group 4 and 5 trust assets may not equal one-year LIBOR for the group 4 and 5 securities, which may impact, perhaps significantly, the amount of interest distributable to the group 4 and 5 securities. One-year LIBOR for the HECMs related to the participations underlying the group 4 and 5 trust assets may be determined at different times and from a different source than one-year LIBOR on the related securities. In addition, the annual adjustable rate HECMs related to the participations underlying each group 4 and 5 trust asset may have different interest rate adjustment dates, which may affect the WACR of the related HECM MBS and may magnify the difference between the WACR of the related trust asset group and the interest rates on the related securities.

If one-year LIBOR for the HECMs related to the participations underlying the group 4 and 5 trust assets is lower than one-year LIBOR for the related securities for any accrual period, interest accruals with respect to the related notional class will be reduced because such notional class is entitled to receive the excess of interest accrued in respect of the related trust assets over the interest distributable to the related floating rate class or classes, as applicable. In addition, if one-year LIBOR for the HECMs related to the participations underlying the group 4 and 5 trust assets is significantly lower than one-year LIBOR for the related securities for any accrual period, interest accruing on the related floating rate class or classes, as applicable, will be reduced because the interest rate on such floating rate class or classes, as applicable, is capped at a rate equal to the weighted average coupon rate of the related HECM MBS. In the event that one-year LIBOR for the HECMs related to the participations underlying the group 4 and 5 trust assets is higher than one-year LIBOR for the related securities, interest accruing on the

related floating rate class or classes, as applicable, will not be affected but interest accruals with respect to the related notional class will be increased.

Adjustable rate HECMs are subject to limitations on interest rate adjustments, which may limit the amount of interest payable in respect of the related HECM MBS and may limit the WACR on the related HECM MBS and the interest rates on the group 1 through 9 securities. If one-year LIBOR increases to a sufficiently high level, the interest rates on the adjustable rate HECMs related to the participations underlying the group 1 through 9 trust assets may be limited by caps. As a result, the WACR on the related HECM MBS, as well as the interest rates on the related securities, may be limited. The application of any caps on the adjustable rate HECMs may significantly impact the interest rates on the interest only classes in groups 1 through 9 because the interest entitlement of such classes of securities is entirely dependent on the WACR of the related trust asset group.

The maximum rate on each floating rate class could limit the amount of interest that accrues on such class. Each floating rate class (other than Class FL) is subject to a maximum rate which is equal to the lesser of the related maximum rate set forth under “Terms Sheet — Interest Rates” for that class and the WACR for the related trust asset group. If one-month LIBOR or one-year LIBOR, as applicable, exceeds certain levels, the interest rate of each floating rate class (other than Class FL) may be capped at the related maximum rate set forth under “Terms Sheet — Interest Rates” for that class, even in instances when such rate is less than the WACR for the related trust asset group. The maximum rate on class F is limited by the interest accrued on its related REMIC classes. If one-year LIBOR exceeds certain levels, the interest rate on class F will be capped to the extent that the interest rates on its related REMIC classes are capped as described in the second immediately preceding sentence. Class FL is subject to a maximum rate that is equal to the WACR for the related Trust Asset Group.

The mortgage rate index for the HECMs related to the participations underlying the group 1 through 3 and 6 through 9 trust assets is different than the interest rate index for the group 1 through 3 and 6 through 9 securities, which may impact,

perhaps significantly, the amount of interest distributable to the group 1 through 3 and 6 through 9 securities after the initial fixed rate period of the related HECMs. One-year LIBOR is the mortgage rate index for the HECMs related to the participations underlying the group 1 through 3 and 6 through 9 trust assets and one-month LIBOR is the interest rate index for the group 1 through 3 and 6 through 9 securities. Because the mortgage rate indices are determined in a different manner and at different times, and because the interest rates on the group 1 through 3 and 6 through 9 securities will adjust monthly based on one-month LIBOR whereas the interest rates on the group 1 through 3 and 6 through 9 trust assets will adjust annually based on one-year LIBOR after the initial fixed rate period, there may be a mismatch between the interest rates on the group 1 through 3 and 6 through 9 trust assets and the interest rates on the group 1 through 3 and 6 through 9 securities. In addition, the annual adjustable rate HECMs related to the participations underlying each group 1 through 3 and 6 through 9 trust asset may have different interest rate adjustment dates, which may affect the WACR of the related HECM MBS and may magnify the difference between the WACR of the related trust assets and the interest rates on the related securities.

If one-year LIBOR for the group 1 through 3 and 6 through 9 trust assets is lower than one-month LIBOR for the group 1 through 3 and 6 through 9 securities for any accrual period, interest accruals with respect to the related notional class will be reduced because such notional class is entitled to receive the excess of interest accrued in respect of the related group 1 through 3 or 6 through 9 trust assets, as applicable, over the interest distributable to the related floating rate class. In addition, if one-year LIBOR for the group 1 through 3 and 6 through 9 trust assets is significantly lower than one-month LIBOR for the group 1 through 3 and 6 through 9 securities for any accrual period, interest accruing on the related floating rate class may be reduced because the interest rate on such floating rate class is capped at a rate equal to the WACR of the related group 1 through 3 or 6 through 9 trust assets, as applicable. In the event that one-year LIBOR for the group 1 through 3 and 6 through 9 trust assets is higher than one-month LIBOR for the group 1 through 3 and 6 through 9 securities, interest accruing on the related floating rate class will not be affected but interest accruals with respect to the related notional class will be increased.

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.

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, in particular, the interest only 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 HECMs and the participations underlying the trust assets 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. Furthermore, certain of the assumed characteristics identified in Exhibit A to this supplement, such as maximum claim amount and HECM MBS principal balance, are calculated on an aggregate basis which may cause results to differ, perhaps significantly, from those calculated using the actual characteristics of the trust assets on a HECM or participation level basis. As a result, the yields on your securities could be lower than you expected, even if the HECMs prepay at the constant prepayment rates set forth in the applicable table.

It is highly unlikely that the HECMs will prepay at any of the prepayment rates assumed or draw at any of the draw rates assumed, if any, in this supplement, or at any constant rate.

Lack of publicly available information on the HECMs and the related participations underlying the trust assets may adversely affect the liquidity of your securities. Limited information will be made publicly available regarding the performance of the HECMs and the related participations underlying the trust assets after the closing date. The absence of publicly available information may affect your ability to sell your securities to prospective investors.

THE TRUST ASSETS

General

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

The Trust MBS

The Trust Assets are HECM MBS guaranteed by Ginnie Mae, and are based on or backed by Participations in advances made to borrowers and related amounts in respect of HECMs. Each such HECM MBS will accrue interest at the interest rate for that HECM MBS for each accrual period (the “HECM MBS Rate”) as set forth in the related HECM MBS Disclosure Documents. The HECM MBS Rate is generally equal to the weighted average of the interest rates on the Participations (each, the “Participation Interest Rate”).

The interest rate of HECM MBS backed by Participations related to adjustable rate HECMs may be limited by caps on the adjustable rate HECMs. *See “Risk Factors — Adjustable rate HECMs are subject to limitations on interest rate adjustments, which may limit the amount of interest payable in respect of the related HECM MBS and may limit the WACR on the related HECM MBS and the interest rates on the group 1 through 9 securities” in this Supplement.*

With respect to each Participation, the Participation Interest Rate generally equals the interest rate of the related HECM less the Servicing Fee Margin. The Servicing Fee Margin generally represents the amount of the servicing compensation payable to the Ginnie Mae Issuer and the Ginnie Mae guaranty fee. However, the Servicing Fee Margin may vary depending on the Issue Date of the HECM MBS and whether the servicing compensation for the HECM is paid on a flat monthly fee arrangement or as a portion of the mortgage interest rate.

Amounts accrued on each HECM MBS in respect of interest each month will equal the product of (i) one-twelfth of the HECM MBS Rate and (ii) the unpaid and outstanding principal amount of such HECM MBS at the end of the prior month. Each month the accrued interest with respect to each HECM MBS will be added to the then outstanding principal balance of such HECM MBS. There are no scheduled payments of interest. It is generally anticipated that no payment in respect of any HECM MBS will be paid until the occurrence of a Maturity Event, which may be deferred in certain circumstances, or in the event that a borrower makes a voluntary prepayment in whole or in part of the outstanding principal balance of the related HECM or a Ginnie Mae Issuer purchase event occurs.

The HECM MBS Disclosure Documents 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 the HECM MBS Disclosure Documents, 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.

The Participations and the related HECMs are further described in the tables in the Terms Sheet hereof and in Exhibit A to this Supplement. Exhibit A also sets forth information regarding approximate loan ages of the related HECMs and weighted average information regarding various characteristics of the HECMs relating to the Participations underlying the related HECM MBS.

The Participations and the HECMs

The Participations and the related HECMs underlying the Trust Assets are expected to have, on a weighted average basis, the characteristics set forth in Exhibit A and the general characteristics described in the Base Offering Circular and the HECM MBS Disclosure Documents. The Participations are related to interests in advances made to borrowers and related amounts in respect of first lien, single-family, fixed rate and adjustable rate residential HECM loans insured by the Federal Housing Administration. *See “The Ginnie Mae Certificates — General” in the Base Offering Circular.*

HECM borrowers may choose from various payment plans, which may be limited or influenced by the characteristics of their particular HECM. These characteristics include, among other things, the value of the mortgaged property, the amount disbursed to the HECM borrower at closing, the age of the HECM borrower and in certain cases the age of any non-borrowing spouse, and the type of interest rate selected by the HECM borrower at closing. HECM borrowers may have the ability to change to another available payment plan at any time as long as the change complies with FHA requirements. The “single disbursement lump sum” payment plan allows a single draw at closing of up to a specified percentage of the principal limit of the HECM plus subsequent disbursements after closing for set-asides. The “tenure” payment plan guarantees that the borrower will receive equal monthly payments for so long as the property remains the borrower’s principal residence. The “term” payment plan guarantees that the borrower will receive monthly payments for a fixed term of months as selected by the borrower. The “line of credit” payment plan allows the borrower to draw up to the available line of credit and in amounts of the borrower’s choosing. The “modified tenure” payment plan allows the borrower to set aside a portion of loan proceeds as a line of credit and receive the remaining balance in the form of equal monthly payments. The “modified term” payment plan allows the borrower to set aside a portion of the loan proceeds as a line of credit and receive the remaining balance as equal monthly payments for a fixed period of time selected by the borrower. Each payment plan is designed so that no repayments of principal or interest are required until a Maturity Event occurs, which may be deferred in certain circumstances. Any HECM may be pre-paid in whole or in part at any time without penalty under each of the payment plans. *See “Risk Factors — HECM borrowers may choose from various payment plans, each of which has different prepayment characteristics that may affect the weighted average lives and yields of the securities” in this Supplement.*

Each annual adjustable rate HECM MBS is backed by Participations related to adjustable rate HECMs with interest rates that adjust (i) on an annual basis, (ii) within twelve (12) months following the issuance of the related HECM MBS and (iii) notwithstanding anything to the contrary in the HECM MBS Disclosure Documents, on the same or different interest rate adjustment dates. *See “Risk Factors — One-year LIBOR for the HECMs related to the participations underlying the group 4 and 5 trust assets may not equal one-year LIBOR for the group 4 and 5 securities, which may impact, perhaps significantly, the amount of interest distributable to the group 4 and 5 securities” in this Supplement and “Risk Factors — The mortgage rate index for the HECMs related to the participations underlying the group 1 through 3 and 6 through 9 trust assets is different than the interest rate index for the group 1 through 3 and 6 through 9 securities, which may impact, perhaps significantly, the amount of interest distributable to the group 1 through 3 and 6 through 9 securities after the initial fixed rate period of the related HECMs” in this Supplement.*

Specific information regarding the individual characteristics of the Participations and the related HECMs is not available. For purposes of this Supplement, certain assumptions have been made regarding the characteristics of the Participations and the related HECMs. However, the actual characteristics of many of the Participations and the related HECMs will differ from the characteristics assumed, perhaps significantly. This will be the case even if the weighted average characteristics of the Participations and the related HECMs are the same as the assumed characteristics. Small differences in the characteristics of the Participations and the related HECMs can have a significant effect on the Weighted Average Lives and yields of the Securities. *See “Terms Sheet — Assumed Characteristics of the HECMs and the Participations underlying the Trust Assets,” “Risk Factors,” “Yield, Maturity and Prepayment Considerations” and Exhibit A 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 will be issued in minimum dollar denominations of initial principal or notional balance of \$100,000 and integral multiples of \$1 in excess of \$100,000.

Distributions

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

- Interest will be calculated on the basis of a 360-day year consisting of twelve 30-day months.
- Interest distributable or accrued 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.

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 Period

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

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

Fixed Rate Class

The Fixed Rate Class will bear interest at the per annum Interest Rate Shown on the front cover of this Supplement.

Floating Rate Classes

Each of Classes FA, FB, FC, FG, FL, FM and FN will bear interest as shown under “Terms Sheet — Interest Rates” in this Supplement. The Interest Rates for each of Classes FA, FB, FC, FG, FL, FM and FN will be based on One-Month LIBOR. One-Month LIBOR will be determined using the ICE Benchmark Administration Limited (“ICE”) LIBOR method (“ICE LIBOR”), using the rate, expressed as a percentage per annum, for one-month United States dollar deposits as it appears on the ICE Secure File Transfer Protocol service or on the Reuters Screen LIBOR01 Page (or any replacement Reuters page that displays that rate, or on the appropriate page of such other information service that publishes that rate from time to time in place of Reuters) thirty days prior to the first day of the month in which the related Accrual Period begins (or, if such date is not a Business Day, the immediately preceding Business Day). If such rate ceases to appear as specified in the preceding sentence or becomes unavailable for any reason, then the rate will be based upon a new index selected by the Trustee, from the list of indices approved for use with HUD-insured HECMs, which will be announced as soon as it is available; provided, however, that in the event any person other than ICE takes over the administration of LIBOR, One-Month LIBOR shall be determined on the basis of the succeeding administrator’s LIBOR method.

Each of Classes EF, F, FD and FE will bear interest as shown under “Terms Sheet — Interest Rates” in this Supplement. The Interest Rates for each of Classes EF, F, FD and FE will be based on One-Year LIBOR and will adjust annually. One-Year LIBOR will be determined using ICE LIBOR, using the rate, expressed as a percentage per annum, for one-year United States dollar deposits as it appears on the ICE Secure File Transfer Protocol service or on the Reuters Screen LIBOR01 Page (or any replacement Reuters page that displays that rate, or on the appropriate page of such other information service that publishes that rate from time to time in place of Reuters) thirty days prior to the first day of July of each year following the first Distribution Date (or, if such date is not a Business Day, the immediately preceding Business Day). If such rate ceases to appear as specified in the preceding sentence or becomes unavailable for any reason, then the rate will be based upon a new index selected by the Trustee, from the list of indices approved for use with HUD-insured HECMs, which will be announced as soon as it is available; provided, however, that in the event any person other than ICE takes over the administration of LIBOR, One-Year LIBOR shall be determined on the basis of the succeeding administrator’s LIBOR method. In the case of the Group 4 and 5 Securities, the Trustee may use different values of One-Year LIBOR than those that are used for the related HECMs, which relate to the Participations underlying the related HECM MBS. *See “Risk Factors — One-year LIBOR for the HECMs related to the participations underlying the group 4 and 5 trust assets may not equal one-year LIBOR for the group 4 and 5 securities, which may impact, perhaps significantly, the amount of interest distributable to the group 4 and 5 securities” in this Supplement.*

For additional information regarding the manner in which the Trustee determines One-Month LIBOR and One-Year LIBOR and calculates the Interest Rates for the Floating Rate Classes, see “Description of the Securities — Interest Rate Indices — Determination of LIBOR” in the Base Offering Circular. We can provide no assurance that One-Month LIBOR or One-Year LIBOR for a Distribution Date accurately represents the offered rate at which one-month U.S. dollar deposits or one-year U.S. dollar deposits are being quoted to prime banks in the London interbank market, nor that the procedures for calculating the rates for

one-month U.S. dollar deposits or one-year U.S. dollar deposits will not change. Any change in One-Month LIBOR or One-Year LIBOR values resulting from any change in reporting or in the determination of One-Month LIBOR or One-Year LIBOR may cause One-Month LIBOR or One-Year LIBOR, as applicable, to fluctuate disproportionately to changes in other market lending rates.

HECM MBS Weighted Average Coupon Classes

Each HECM MBS Weighted Average Coupon Class will bear interest as shown under “Terms Sheet — Interest Rates” in this Supplement.

The interest that will be distributed or accrued, as applicable, on each HECM MBS Weighted Average Coupon Class will be limited by the interest that is distributed or accrued in respect of the related Trust Assets. With respect to the Participations underlying the Group 1 through 9 Trust Assets, *see “Risk Factors — One-year LIBOR for the HECMs related to the participations underlying the group 4 and 5 trust assets may not equal one-year LIBOR for the group 4 and 5 securities, which may impact, perhaps significantly, the amount of interest distributable to the group 4 and 5 securities” in this Supplement, “Risk Factors — Adjustable rate HECMs are subject to limitations on interest rate adjustments, which may limit the amount of interest payable in respect of the related HECM MBS and may limit the WACR on the related HECM MBS and the interest rates on the group 1 through 9 securities” in this Supplement and “Risk Factors — The mortgage rate index for the HECMs related to the participations underlying the group 1 through 3 and 6 through 9 trust assets is different than the interest rate index for the group 1 through 3 and 6 through 9 securities, which may impact, perhaps significantly, the amount of interest distributable to the group 1 through 3 and 6 through 9 securities after the initial fixed rate period of the related HECMs” in this Supplement.*

The Trustee’s determinations of One-Month LIBOR and One-Year LIBOR and its calculations of the Interest Rates will be final except in the case of clear error. Investors can obtain One-Month LIBOR and One-Year LIBOR levels and Interest Rates for the current and preceding Accrual Periods from Ginnie Mae’s website or by calling the Information Agent at (800) 234-GNMA.

HECM MBS Accrual Classes

Each of Classes EF, FA, FB, FC, FD, FE, FG, FL, FM, FN, JA and JZ is a HECM MBS Accrual Class. Interest will accrue on each HECM MBS Accrual Class and be distributed as described under “HECM MBS Accrual Class” in Appendix II to the Base Offering Circular.

Deferred Interest Amounts

Any interest accrued and unpaid on a Notional Class during the Accrual Period for any Distribution Date that is not distributed because of an insufficiency in the related Available Distribution Amount for such Distribution Date increases the related Deferred Interest Amount for such Notional Class. Any such amounts distributable to the Holders of a Notional Class will be paid no later than the Final Distribution Date of such Notional Class.

Principal Distributions

Amounts distributable in respect of principal will be distributed to the Holders entitled thereto as described under “Terms Sheet — Distributions” 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 based on their Class Notional Balances. 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 or increased as shown under “Terms Sheet — Notional Classes” in this Supplement.

Residual Securities

The Class RR Securities will represent the beneficial ownership of the Residual Interest in the Issuing REMIC and the beneficial ownership of the Residual Interest in the Pooling REMIC, as described in “Certain United States Federal Income Tax Consequences” in the Base Offering Circular. The Class RR Securities have no Class Principal Balance and do not accrue interest. The Class RR Securities will be entitled to receive the proceeds of the disposition of any assets remaining in the Trust REMICs after the Class Principal Balance or Class Notional Balance of each Class of Regular Securities has been reduced to zero. However, any remaining proceeds are not likely to be significant. The Residual Securities may not be transferred to a Plan Investor, a Non-U.S. Person or a Disqualified Organization.

Class Factors

The Trustee will calculate and make available for each Class of Securities, no later than the day preceding the 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 a HECM MBS Accrual Class) or any addition to or 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 addition to or 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.
- Investors may obtain current Class Factors on Ginnie Mae’s website.

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

Termination

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

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

Modification and Exchange

All or a portion of the Classes of REMIC Securities specified on the front cover may be exchanged for a proportionate interest in the related MX Class or Classes shown on Schedule I to this Supplement. Similarly, all or a portion of the related MX Class may be exchanged for proportionate interests in the related Classes of REMIC Securities. 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.

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 One Federal Street, 3rd Floor, Boston, MA 02110, Attention: Ginnie Mae REMIC Program Agency Group 2019-H12. The Trustee may be contacted by telephone at (617) 603-6451 and by fax at (617) 603-6644.

A fee will be payable to the Trustee in connection with each exchange equal to 1/32 of 1% of the outstanding principal or notional balance of the Securities surrendered for exchange (but not less than \$2,000 or more than \$25,000). 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 HECMs will affect the Weighted Average Lives of and the yields realized by investors in the related Securities.

- The rate of principal payments (including prepayments or partial payments) of the HECMs relating to the Participations underlying the Securities depends on a variety of economic, geographic, social and other factors, including prevailing market interest rates, home values, HECM borrower mortality, qualifying non-borrowing spouse mortality, divorce rates, changes in the value of the mortgaged property, the HECM borrower's ability to draw down additional funds without refinancing, FHA guidelines regarding HECMs, servicing decisions and court imposed limits on the rights and remedies available to a Ginnie Mae Issuer under the HECMs, and will affect the Weighted Average Lives and yields realized by investors in the related Securities. HECMs may respond differently than traditional forward mortgage loans to the factors that influence prepayment.

With respect to the related Trust Assets, the occurrence of any of the following events with respect to a HECM related to the Participations underlying the related HECM MBS (each a "Maturity Event") will, subject to deferral in certain circumstances, result in the holders of the Securities being entitled to a distribution of principal:

- if a borrower dies and the property is not the principal residence of at least one surviving borrower,
- if a borrower conveys all of his or her title in the mortgaged property and no other borrower retains title to the mortgaged property,

- if the mortgaged property ceases to be the principal residence of a borrower for reasons other than death and the mortgaged property is not the principal residence of at least one surviving borrower,
- if a borrower fails to occupy the mortgaged property for a period of longer than 12 consecutive months because of physical or mental illness and the mortgaged property is not the principal residence of at least one other borrower, or
- if a borrower fails to perform any of its obligations under the HECM (for example, the failure of the borrower to make certain agreed upon repairs to the mortgaged property or the failure of the borrower to pay taxes and hazard insurance premiums).

Some HECMs may provide for the deferral of a Maturity Event when the last surviving borrower dies with a non-borrowing spouse who satisfies FHA qualifying attributes and ongoing requirements for deferral. This deferral ceases when the non-borrowing spouse fails to qualify or satisfy FHA requirements for deferral, at which point the Maturity Event is no longer deferred and the HECM will become due and payable in accordance with FHA procedures.

Generally, a HECM is not repaid immediately upon the occurrence of a Maturity Event, but continues to accrue interest until the liquidation of the related mortgaged property and the repayment of the HECM or the receipt of insurance proceeds from FHA. Any resulting shortfall to investors in the related Securities with respect to any Participations in the related HECM will be covered by Ginnie Mae pursuant to its guaranty of the Securities.

A Ginnie Mae Issuer is obligated to purchase all Participations related to a HECM when the outstanding principal amount of the related HECM is equal to or greater than 98% of the “Maximum Claim Amount,” and a Ginnie Mae Issuer has the option to purchase all Participations related to a HECM to the extent that any borrower’s request for an additional advance in respect of any HECM, if funded, together with the outstanding principal amount of the related HECM is equal to or greater than 98% of the “Maximum Claim Amount” or when a HECM becomes, and continues to be, due and payable in accordance with its terms, as applicable (any such purchase referred to herein as a “Ginnie Mae Issuer Purchase Event”). In connection with such repurchase, the Ginnie Mae Issuer will pay an amount (the “Release Price”) equal to the outstanding principal amount of all of the Participations related to such HECMs, and Ginnie Mae will relinquish all right, title and interest it has in the HECMs and the related Participations. With respect to each Participation, the “outstanding principal amount” of such Participation is the original principal amount of such Participation as of the related Issue Date of the related HECM MBS, increased by the Accrued Interest with respect to such Participation and decreased by any payments made in respect of such Participation. For purposes of determining the Release Price, the “Accrued Interest” with respect to any Participation is the aggregate interest accrued, compounded on a monthly basis, allocable to the Participation at the related Participation Interest Rate for each month (in each case, after taking into account any payments made in reduction of such Participation) from and including the Issue Date through the last day of the reporting month (as such term is defined in the Ginnie Mae guaranty agreement for the related HECM MBS) in which the Participation is to be purchased. The Participations relating to the HECM must be purchased by the Ginnie Mae Issuer at the end of the reporting month in which the outstanding principal balance of the HECM equals or exceeds 98% of the Maximum Claim Amount for such HECM. The Release Price will be passed through to the related securityholders on the Distribution Date following the month in which such Ginnie Mae Issuer Purchase Event occurs.

Higher levels of One-Year LIBOR and additional draws on HECMs will increase the rate at which the related HECMs will reach their Maximum Claim Amounts. Any payment in respect of the related Securities resulting from a Ginnie Mae Issuer Purchase Event will reduce the Weighted Average Lives of such Securities and will affect, perhaps significantly, the yields on such Securities.

The occurrence of voluntary prepayments by a borrower, Maturity Events and Ginnie Mae Issuer Purchase Events will accelerate the distribution of principal of the Securities. It is uncertain when any amounts might be paid on securities backed by Participations in HECMs because it is uncertain (i) whether a HECM borrower will choose to prepay amounts advanced in whole or in part, (ii) when any Maturity Event might occur and whether that Maturity Event will be deferred and (iii) when any Ginnie Mae Issuer

Purchase Event might occur. Investors in the Securities are urged to review the discussion under “*Risk Factors — It is uncertain when payments will be made in respect of securities backed by HECM MBS*” in this Supplement and also the HECM MBS Disclosure Documents.

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.

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. In the case of each Notional Class, the related Deferred Interest Amount will be reduced to zero no later than the Final Distribution Date for such Notional Class.

- 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

The tables that follow have been prepared on the basis of the following assumptions (the “Modeling Assumptions”), among others:

1. The HECMs and related Participations underlying the Trust Assets have the assumed characteristics shown in Exhibit A.
2. The HECMs prepay at the constant percentages of the prepayment curve (described below and in Exhibit B) shown in the related table.
3. Draw activity occurs on the first day of the month and payments on the HECMs occur on the last day of the month, whether or not a Business Day, commencing in July 2019.
4. Distributions, if any, on the Securities are always received on the 20th day of the month, whether or not a Business Day, commencing in August 2019.
5. A termination of the Trust does not occur.
6. The Closing Date for the Securities is July 30, 2019.
7. 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.
8. HECM borrowers who have the ability to do so draw at the annualized draw rate determined in accordance with the constant percentages of the draw curve shown in Exhibit C (the “Draw Rate”). The Draw Rate (converted to an equivalent monthly factor) is applied to the Maximum Claim Amount.
9. If a mandatory Ginnie Mae Issuer Purchase Event occurs with respect to a HECM, the purchase of the related Participation timely occurs. No optional Ginnie Mae Issuer Purchase Events occur.
10. The initial Interest Rates on the Group 4 and 5 Securities will be based on the initial rates shown under “Terms Sheet — Interest Rates” in this Supplement; however, the interest rate on the Group 4 and 5 adjustable rate HECMs for each period preceding the applicable Approximate Weighted Average Next Rate Reset Month shown in Exhibit A is based on the information set forth in Exhibit A. The Interest Rates on the Group 4 and 5 Floating Rate Securities will adjust annually at the beginning of the Accrual Period related to the Distribution Date in August 2020. For purposes of the Group 4 and 5 decrement tables, in all periods on or subsequent to the applicable Approximate Weighted Average Next Rate Reset Month shown in Exhibit A, the constant value of One-Year LIBOR shown with respect to any such decrement table is used to calculate the interest rates with respect to the Group 4 and 5 HECMs, while on all Distribution Dates occurring after the first Distribution Date, the constant value of One-Year LIBOR shown with respect to any such decrement table is used to calculate the interest rate with respect to the applicable Class.

11. The initial Interest Rates on the Group 1 through 3 and 6 through 9 Securities will be based on the initial rates as shown under “Terms Sheet — Interest Rates” in this Supplement; however, the interest rates on the Group 1 through 3 and 6 through 9 adjustable rate HECMs for each period preceding the applicable Approximate Weighted Average Next Rate Reset Month shown in Exhibit A is based on the information set forth in Exhibit A. For purposes of the Group 1 through 3 and 6 through 9 decrement tables, in all periods on or subsequent to the applicable Approximate Weighted Average Next Rate Reset Month shown in Exhibit A, the constant value of One-Year LIBOR shown with respect to any such decrement table is used to calculate the interest rates with respect to the Group 1 through 3 and 6 through 9 HECMs, while on all Distribution Dates occurring after the first Distribution Date, the constant value of One-Month LIBOR shown with respect to such decrement table is used to calculate the interest rate with respect to the applicable Class.

12. The HECMs and the Participations underlying the Group 1 through 9 Trust Assets each have annual interest rate adjustment caps of 2%.

13. The original term of the HECMs is 50 years. If a HECM remains outstanding after its original term of 50 years, a mandatory Ginnie Mae Issuer Purchase Event occurs with respect to such HECM.

14. No borrower changes payment plans.

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

16. Draws occur each month in respect of the Monthly Servicing Fee, if any, as set forth on Exhibit A. No draws occur in respect of any set asides for property charges (such as taxes, hazard insurance, ground rents or assessments) or repairs.

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 HECMs will not have the characteristics assumed, many Distribution Dates will occur on a Business Day after the 20th of the month, draw activity and prepayments, if any, will occur throughout the month, draws will occur in respect of set asides for property charges and repairs, the Trustee may cause a termination of the Trust as described under “Description of the Securities — Termination” in this Supplement and One-Month LIBOR on the Group 1 through 3 and 6 through 9 Securities may differ from One-Year LIBOR on the related adjustable rate HECMs and One-Year LIBOR on the Group 4 and 5 Securities may differ from One-Year LIBOR on the related adjustable rate HECMs.
- 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 is based on a prepayment curve (“PPC”) consisting of a series of Constant Prepayment Rates (“CPRs”). CPR is the standard prepayment assumption model of The Securities Industry and Financial Markets Association. CPR represents a constant rate of prepayment on the HECMs each month relative to the then outstanding aggregate principal balance of the HECMs for the life of those HECMs. *See “Yield, Maturity and Prepayment Considerations — Standard Prepayment Assumption Models” in the Base Offering Circular.*

The PPC and Draw Rates are based on the respective percentages in effect beginning on each Distribution Date as indicated in Exhibits B and C.

The decrement tables set forth below are based on the assumption that the HECMs prepay at the indicated percentages of PPC (the “PPC Prepayment Assumption Rates”). As used in the tables, each of the PPC Prepayment Assumption Rates reflects a percentage of the 100% PPC assumed prepayment curve. **The HECMs will not prepay at any of the PPC Prepayment Assumption Rates, and the timing of changes in the rate of prepayments actually experienced on the HECMs will not follow the pattern described for the PPC 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 assumptions that the related HECMs prepay at the PPC Prepayment Assumption Rates set forth in such tables, One-Month LIBOR and One-Year LIBOR, as applicable, are constant at the rates set forth in such tables and draws, if any, occur at the Draw Rates set forth in Exhibit C. 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 PPC Prepayment Assumption Rate and each indicated level of One-Month LIBOR or One-Year LIBOR, as applicable. 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 amount, 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 based on its Class Notional Balance 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 and further does not factor in any entitlement to the applicable Deferred Interest Amount. See the footnotes below related to the decrement tables for each Notional Class.

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 HECMs related to the Participations 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
PPC Prepayment Assumption Rates**

Distribution Date	Class AI* 2.35000% One-Month LIBOR 2.18000% One-Year LIBOR					Class AI* 2.35000% One-Month LIBOR 5.09900% One-Year LIBOR					Class AI* 2.35000% One-Month LIBOR 8.01800% One-Year LIBOR				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
Initial Percent . . .	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2020	104	101	100	99	98	104	101	100	99	98	104	101	100	99	98
July 2021	108	98	95	92	89	111	101	97	94	91	111	101	97	94	91
July 2022	112	93	88	82	77	118	99	93	87	81	120	100	94	88	83
July 2023	116	88	79	72	64	126	95	86	78	70	131	99	90	81	73
July 2024	120	81	70	61	52	135	91	79	68	58	143	96	83	72	62
July 2025	125	74	61	50	41	142	84	70	57	47	153	90	75	62	50
July 2026	130	67	52	41	32	149	77	60	47	36	154	80	63	49	38
July 2027	131	58	43	32	23	159	70	52	38	28	166	74	55	41	29
July 2028	136	51	35	24	16	157	59	41	29	19	3	1	1	1	0
July 2029	140	44	29	18	11	164	52	34	22	14	2	1	0	0	0
July 2030	145	37	23	13	8	44	11	7	4	2	1	0	0	0	0
July 2031	149	31	18	9	5	2	0	0	0	0	0	0	0	0	0
July 2032	154	26	13	7	3	1	0	0	0	0	0	0	0	0	0
July 2033	147	20	9	4	2	0	0	0	0	0	0	0	0	0	0
July 2034	152	16	7	3	1	0	0	0	0	0	0	0	0	0	0
July 2035	39	3	1	0	0	0	0	0	0	0	0	0	0	0	0
July 2036	40	2	1	0	0	0	0	0	0	0	0	0	0	0	0
July 2037 and thereafter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	16.0	9.3	7.7	6.6	5.7	10.3	8.6	7.5	6.6	5.9	8.4	7.8	7.0	6.3	5.7

PPC Prepayment Assumption Rates

Distribution Date	Class AI* 5.84750% One-Month LIBOR 2.18000% One-Year LIBOR					Class AI* 5.84750% One-Month LIBOR 5.09900% One-Year LIBOR					Class AI* 5.84750% One-Month LIBOR 8.01800% One-Year LIBOR				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
Initial Percent . . .	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2020	104	101	100	99	98	104	101	100	99	98	104	101	100	99	98
July 2021	108	98	95	92	89	111	101	97	94	91	111	101	97	94	91
July 2022	112	93	88	82	77	118	99	93	87	81	120	100	94	88	83
July 2023	116	88	79	72	64	126	95	86	78	70	131	99	90	81	73
July 2024	120	81	70	61	52	135	91	79	68	58	143	96	83	72	62
July 2025	125	74	61	50	41	142	84	70	57	47	153	90	75	62	50
July 2026	130	67	52	41	32	149	77	60	47	36	154	80	63	49	38
July 2027	131	58	43	32	23	159	70	52	38	28	166	74	55	41	29
July 2028	136	51	35	24	16	157	59	41	29	19	3	1	1	1	0
July 2029	140	44	29	18	11	164	52	34	22	14	2	1	0	0	0
July 2030	145	37	23	13	8	44	11	7	4	2	1	0	0	0	0
July 2031	149	31	18	9	5	2	0	0	0	0	0	0	0	0	0
July 2032	154	26	13	7	3	1	0	0	0	0	0	0	0	0	0
July 2033	147	20	9	4	2	0	0	0	0	0	0	0	0	0	0
July 2034	152	16	7	3	1	0	0	0	0	0	0	0	0	0	0
July 2035	39	3	1	0	0	0	0	0	0	0	0	0	0	0	0
July 2036	40	2	1	0	0	0	0	0	0	0	0	0	0	0	0
July 2037 and thereafter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	16.0	9.3	7.7	6.6	5.7	10.3	8.6	7.5	6.6	5.9	8.4	7.8	7.0	6.3	5.7

* The decrement tables for Class AI reflect only the Class AI Notional Balance at various rates of PPC and at various levels of One-Month LIBOR and One-Year LIBOR. In addition to the current interest accrual amount on the Class AI Notional Balance at the Class AI Interest Rate, Class AI is entitled to the Class AI Deferred Interest Amount. No representation is made about the timing of distributions of the Class AI Deferred Interest Amount other than that such amount will be paid no later than the Final Distribution Date for Class AI.

Security Group 1
PPC Prepayment Assumption Rates

Distribution Date	Class AI* 9.34500% One-Month LIBOR 2.18000% One-Year LIBOR					Class AI* 9.34500% One-Month LIBOR 5.09900% One-Year LIBOR					Class AI* 9.34500% One-Month LIBOR 8.01800% One-Year LIBOR				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
Initial Percent . . .	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2020	104	101	100	99	98	104	101	100	99	98	104	101	100	99	98
July 2021	108	98	95	92	89	111	101	97	94	91	111	101	97	94	91
July 2022	112	93	88	82	77	118	99	93	87	81	120	100	94	88	83
July 2023	116	88	79	72	64	126	95	86	78	70	131	99	90	81	73
July 2024	120	81	70	61	52	135	91	79	68	58	143	96	83	72	62
July 2025	125	74	61	50	41	142	84	70	57	47	153	90	75	62	50
July 2026	130	67	52	41	32	149	77	60	47	36	154	80	63	49	38
July 2027	131	58	43	32	23	159	70	52	38	28	166	74	55	41	29
July 2028	136	51	35	24	16	157	59	41	29	19	3	1	1	1	0
July 2029	140	44	29	18	11	164	52	34	22	14	2	1	0	0	0
July 2030	145	37	23	13	8	44	11	7	4	2	1	0	0	0	0
July 2031	149	31	18	9	5	2	0	0	0	0	0	0	0	0	0
July 2032	154	26	13	7	3	1	0	0	0	0	0	0	0	0	0
July 2033	147	20	9	4	2	0	0	0	0	0	0	0	0	0	0
July 2034	152	16	7	3	1	0	0	0	0	0	0	0	0	0	0
July 2035	39	3	1	0	0	0	0	0	0	0	0	0	0	0	0
July 2036	40	2	1	0	0	0	0	0	0	0	0	0	0	0	0
July 2037 and thereafter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years) . . .	16.0	9.3	7.7	6.6	5.7	10.3	8.6	7.5	6.6	5.9	8.4	7.8	7.0	6.3	5.7

* The decrement tables for Class AI reflect only the Class AI Notional Balance at various rates of PPC and at various levels of One-Month LIBOR and One-Year LIBOR. In addition to the current interest accrual amount on the Class AI Notional Balance at the Class AI Interest Rate, Class AI is entitled to the Class AI Deferred Interest Amount. No representation is made about the timing of distributions of the Class AI Deferred Interest Amount other than that such amount will be paid no later than the Final Distribution Date for Class AI.

**Security Group 1
PPC Prepayment Assumption Rates**

Distribution Date	Class FA 2.35000% One-Month LIBOR 2.18000% One-Year LIBOR					Class FA 2.35000% One-Month LIBOR 5.09900% One-Year LIBOR					Class FA 2.35000% One-Month LIBOR 8.01800% One-Year LIBOR				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
Initial Percent . . .	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2020	103	101	100	99	98	103	101	100	99	98	103	101	100	99	98
July 2021	106	98	95	92	89	106	100	97	94	91	106	100	97	94	91
July 2022	109	93	88	82	77	109	98	92	87	81	109	100	94	88	82
July 2023	113	87	79	71	64	113	95	86	78	70	113	99	90	81	73
July 2024	116	81	70	61	52	116	90	79	68	58	116	95	83	72	62
July 2025	120	74	61	50	41	119	84	70	57	47	118	90	75	62	50
July 2026	123	66	52	41	31	121	76	60	47	36	112	79	63	49	38
July 2027	124	58	43	32	23	124	70	52	38	28	115	74	55	41	29
July 2028	128	50	35	24	16	119	59	41	29	19	2	1	1	1	0
July 2029	131	44	28	18	11	121	52	34	22	14	1	1	0	0	0
July 2030	135	37	23	13	8	31	11	7	4	2	1	0	0	0	0
July 2031	138	31	17	9	5	2	0	0	0	0	0	0	0	0	0
July 2032	142	26	13	7	3	1	0	0	0	0	0	0	0	0	0
July 2033	134	20	9	4	2	0	0	0	0	0	0	0	0	0	0
July 2034	138	16	7	3	1	0	0	0	0	0	0	0	0	0	0
July 2035	35	3	1	0	0	0	0	0	0	0	0	0	0	0	0
July 2036	36	2	1	0	0	0	0	0	0	0	0	0	0	0	0
July 2037 and thereafter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years) . . .	16.0	9.3	7.7	6.6	5.7	10.3	8.6	7.5	6.6	5.9	8.3	7.8	7.0	6.3	5.7

PPC Prepayment Assumption Rates

Distribution Date	Class FA 5.84750% One-Month LIBOR 2.18000% One-Year LIBOR					Class FA 5.84750% One-Month LIBOR 5.09900% One-Year LIBOR					Class FA 5.84750% One-Month LIBOR 8.01800% One-Year LIBOR				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
Initial Percent . . .	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2020	104	101	100	99	98	104	101	100	99	98	104	101	100	99	98
July 2021	108	98	95	92	89	111	101	97	94	91	111	101	97	94	91
July 2022	112	93	88	82	77	118	99	93	87	81	118	100	94	88	83
July 2023	116	87	79	72	64	126	95	86	78	70	126	99	90	81	73
July 2024	120	81	70	61	52	134	91	79	68	58	134	96	83	72	62
July 2025	125	74	61	50	41	142	84	70	57	47	140	90	75	62	50
July 2026	130	67	52	41	32	149	77	60	47	36	138	80	63	49	38
July 2027	131	58	43	32	23	158	70	52	38	28	146	74	55	41	29
July 2028	136	51	35	24	16	156	59	41	29	19	3	1	1	1	0
July 2029	140	44	29	18	11	163	52	34	22	14	2	1	0	0	0
July 2030	145	37	23	13	8	44	11	7	4	2	1	0	0	0	0
July 2031	149	31	17	9	5	2	0	0	0	0	0	0	0	0	0
July 2032	154	26	13	7	3	1	0	0	0	0	0	0	0	0	0
July 2033	146	20	9	4	2	0	0	0	0	0	0	0	0	0	0
July 2034	152	16	7	3	1	0	0	0	0	0	0	0	0	0	0
July 2035	39	3	1	0	0	0	0	0	0	0	0	0	0	0	0
July 2036	40	2	1	0	0	0	0	0	0	0	0	0	0	0	0
July 2037 and thereafter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years) . . .	16.0	9.3	7.7	6.6	5.7	10.3	8.6	7.5	6.6	5.9	8.4	7.8	7.0	6.3	5.7

Security Group 1
PPC Prepayment Assumption Rates

<u>Distribution Date</u>	Class FA 9.34500% One-Month LIBOR 2.18000% One-Year LIBOR					Class FA 9.34500% One-Month LIBOR 5.09900% One-Year LIBOR					Class FA 9.34500% One-Month LIBOR 8.01800% One-Year LIBOR				
	<u>0%</u>	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>	<u>0%</u>	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>	<u>0%</u>	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
Initial Percent . . .	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2020	104	101	100	99	98	104	101	100	99	98	104	101	100	99	98
July 2021	108	98	95	92	89	111	101	97	94	91	111	101	97	94	91
July 2022	112	93	88	82	77	118	99	93	87	81	119	100	94	88	83
July 2023	116	87	79	72	64	126	95	86	78	70	129	99	90	81	73
July 2024	120	81	70	61	52	135	91	79	68	58	138	96	83	72	62
July 2025	125	74	61	50	41	142	84	70	57	47	146	90	75	62	50
July 2026	130	67	52	41	32	149	77	60	47	36	145	80	63	49	38
July 2027	131	58	43	32	23	159	70	52	38	28	154	74	55	41	29
July 2028	136	51	35	24	16	157	59	41	29	19	3	1	1	1	0
July 2029	140	44	29	18	11	164	52	34	22	14	2	1	0	0	0
July 2030	145	37	23	13	8	44	11	7	4	2	1	0	0	0	0
July 2031	149	31	17	9	5	2	0	0	0	0	0	0	0	0	0
July 2032	154	26	13	7	3	1	0	0	0	0	0	0	0	0	0
July 2033	146	20	9	4	2	0	0	0	0	0	0	0	0	0	0
July 2034	152	16	7	3	1	0	0	0	0	0	0	0	0	0	0
July 2035	39	3	1	0	0	0	0	0	0	0	0	0	0	0	0
July 2036	40	2	1	0	0	0	0	0	0	0	0	0	0	0	0
July 2037 and thereafter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	16.0	9.3	7.7	6.6	5.7	10.3	8.6	7.5	6.6	5.9	8.4	7.8	7.0	6.3	5.7

**Security Group 2
PPC Prepayment Assumption Rates**

Distribution Date	Class BI* 2.35000% One-Month LIBOR 2.18000% One-Year LIBOR					Class BI* 2.35000% One-Month LIBOR 5.09900% One-Year LIBOR					Class BI* 2.35000% One-Month LIBOR 8.01800% One-Year LIBOR				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2020	104	101	100	99	98	104	101	100	99	98	104	101	100	99	98
July 2021	108	98	95	92	89	111	101	98	94	91	111	101	98	94	91
July 2022	112	94	88	82	77	118	99	93	87	81	120	100	94	88	83
July 2023	116	88	79	72	65	126	95	86	78	70	131	99	90	81	73
July 2024	121	81	70	61	52	135	91	79	68	59	143	96	84	72	62
July 2025	125	74	61	51	41	143	85	70	58	47	153	91	75	62	51
July 2026	129	67	52	41	32	150	77	61	47	37	153	79	63	49	38
July 2027	132	58	43	32	23	159	70	52	39	28	167	74	55	41	30
July 2028	136	51	36	24	17	157	59	41	29	19	2	1	1	0	0
July 2029	140	44	29	18	11	166	52	34	22	14	2	1	0	0	0
July 2030	146	38	23	14	8	15	4	2	1	1	1	0	0	0	0
July 2031	150	31	18	10	5	1	0	0	0	0	1	0	0	0	0
July 2032	155	26	14	7	3	1	0	0	0	0	0	0	0	0	0
July 2033	148	20	9	4	2	1	0	0	0	0	0	0	0	0	0
July 2034	154	16	7	3	1	1	0	0	0	0	0	0	0	0	0
July 2035	122	10	4	1	0	0	0	0	0	0	0	0	0	0	0
July 2036	13	1	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2037	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2038	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2039	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2041	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2042	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2043	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2044 and thereafter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	15.9	9.3	7.7	6.6	5.7	10.3	8.6	7.6	6.7	5.9	8.4	7.8	7.0	6.3	5.7

PPC Prepayment Assumption Rates

Distribution Date	Class BI* 5.84750% One-Month LIBOR 2.18000% One-Year LIBOR					Class BI* 5.84750% One-Month LIBOR 5.09900% One-Year LIBOR					Class BI* 5.84750% One-Month LIBOR 8.01800% One-Year LIBOR				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2020	104	101	100	99	98	104	101	100	99	98	104	101	100	99	98
July 2021	108	98	95	92	89	111	101	98	94	91	111	101	98	94	91
July 2022	112	94	88	82	77	118	99	93	87	81	120	100	94	88	83
July 2023	116	88	79	72	65	126	95	86	78	70	131	99	90	81	73
July 2024	121	81	70	61	52	135	91	79	68	59	143	96	84	72	62
July 2025	125	74	61	51	41	143	85	70	58	47	153	91	75	62	51
July 2026	129	67	52	41	32	150	77	61	47	37	153	79	63	49	38
July 2027	132	58	43	32	23	159	70	52	39	28	167	74	55	41	30
July 2028	136	51	36	24	17	157	59	41	29	19	2	1	1	0	0
July 2029	140	44	29	18	11	166	52	34	22	14	2	1	0	0	0
July 2030	146	38	23	14	8	15	4	2	1	1	1	0	0	0	0
July 2031	150	31	18	10	5	1	0	0	0	0	1	0	0	0	0
July 2032	155	26	14	7	3	1	0	0	0	0	0	0	0	0	0
July 2033	148	20	9	4	2	1	0	0	0	0	0	0	0	0	0
July 2034	154	16	7	3	1	1	0	0	0	0	0	0	0	0	0
July 2035	122	10	4	1	0	0	0	0	0	0	0	0	0	0	0
July 2036	13	1	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2037	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2038	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2039	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2041	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2042	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2043	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2044 and thereafter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	15.9	9.3	7.7	6.6	5.7	10.3	8.6	7.6	6.7	5.9	8.4	7.8	7.0	6.3	5.7

* The decrement tables for Class BI reflect only the Class BI Notional Balance at various rates of PPC and at various levels of One-Month LIBOR and One-Year LIBOR. In addition to the current interest accrual amount on the Class BI Notional Balance at the Class BI Interest Rate, Class BI is entitled to the Class BI Deferred Interest Amount. No representation is made about the timing of distributions of the Class BI Deferred Interest Amount other than that such amount will be paid no later than the Final Distribution Date for Class BI.

**Security Group 2
PPC Prepayment Assumption Rates**

Distribution Date	Class BI* 9.34500% One-Month LIBOR 2.18000% One-Year LIBOR					Class BI* 9.34500% One-Month LIBOR 5.09900% One-Year LIBOR					Class BI* 9.34500% One-Month LIBOR 8.01800% One-Year LIBOR				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
Initial Percent . . .	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2020	104	101	100	99	98	104	101	100	99	98	104	101	100	99	98
July 2021	108	98	95	92	89	111	101	98	94	91	111	101	98	94	91
July 2022	112	94	88	82	77	118	99	93	87	81	120	100	94	88	83
July 2023	116	88	79	72	65	126	95	86	78	70	131	99	90	81	73
July 2024	121	81	70	61	52	135	91	79	68	59	143	96	84	72	62
July 2025	125	74	61	51	41	143	85	70	58	47	153	91	75	62	51
July 2026	129	67	52	41	32	150	77	61	47	37	153	79	63	49	38
July 2027	132	58	43	32	23	159	70	52	39	28	167	74	55	41	30
July 2028	136	51	36	24	17	157	59	41	29	19	2	1	1	0	0
July 2029	140	44	29	18	11	166	52	34	22	14	2	1	0	0	0
July 2030	146	38	23	14	8	15	4	2	1	1	1	0	0	0	0
July 2031	150	31	18	10	5	1	0	0	0	0	1	0	0	0	0
July 2032	155	26	14	7	3	1	0	0	0	0	0	0	0	0	0
July 2033	148	20	9	4	2	1	0	0	0	0	0	0	0	0	0
July 2034	154	16	7	3	1	1	0	0	0	0	0	0	0	0	0
July 2035	122	10	4	1	0	0	0	0	0	0	0	0	0	0	0
July 2036	13	1	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2037	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2038	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2039	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2041	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2042	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2043	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2044 and thereafter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years) . . .	15.9	9.3	7.7	6.6	5.7	10.3	8.6	7.6	6.7	5.9	8.4	7.8	7.0	6.3	5.7

* The decrement tables for Class BI reflect only the Class BI Notional Balance at various rates of PPC and at various levels of One-Month LIBOR and One-Year LIBOR. In addition to the current interest accrual amount on the Class BI Notional Balance at the Class BI Interest Rate, Class BI is entitled to the Class BI Deferred Interest Amount. No representation is made about the timing of distributions of the Class BI Deferred Interest Amount other than that such amount will be paid no later than the Final Distribution Date for Class BI.

**Security Group 2
PPC Prepayment Assumption Rates**

Distribution Date	Class FB 2.35000% One-Month LIBOR 2.18000% One-Year LIBOR					Class FB 2.35000% One-Month LIBOR 5.09900% One-Year LIBOR					Class FB 2.35000% One-Month LIBOR 8.01800% One-Year LIBOR				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
Initial Percent . . .	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2020	103	101	100	99	98	103	101	100	99	98	103	101	100	99	98
July 2021	106	98	95	92	89	106	100	97	94	91	106	100	97	94	91
July 2022	110	93	88	82	77	110	98	93	87	81	110	100	94	88	83
July 2023	113	87	79	72	65	113	95	86	78	70	113	99	90	81	73
July 2024	116	81	70	61	52	116	90	79	68	59	116	96	84	72	62
July 2025	120	74	61	51	41	120	84	70	58	47	119	90	75	62	51
July 2026	123	66	52	41	32	122	77	61	47	37	113	79	63	49	38
July 2027	125	58	43	32	23	125	70	52	38	28	116	74	55	41	30
July 2028	128	51	36	24	16	120	59	41	29	19	1	1	1	0	0
July 2029	132	44	29	18	11	123	52	34	22	14	1	1	0	0	0
July 2030	136	37	23	13	8	11	4	2	1	1	1	0	0	0	0
July 2031	139	31	18	10	5	1	0	0	0	0	0	0	0	0	0
July 2032	143	26	13	7	3	1	0	0	0	0	0	0	0	0	0
July 2033	136	20	9	4	2	0	0	0	0	0	0	0	0	0	0
July 2034	140	16	7	3	1	0	0	0	0	0	0	0	0	0	0
July 2035	111	10	4	1	0	0	0	0	0	0	0	0	0	0	0
July 2036	12	1	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2037	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2038	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2039	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2041	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2042	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2043	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2044 and thereafter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years) . . .	15.9	9.3	7.7	6.6	5.7	10.2	8.6	7.6	6.7	5.9	8.3	7.8	7.0	6.3	5.7

PPC Prepayment Assumption Rates

Distribution Date	Class FB 5.84750% One-Month LIBOR 2.18000% One-Year LIBOR					Class FB 5.84750% One-Month LIBOR 5.09900% One-Year LIBOR					Class FB 5.84750% One-Month LIBOR 8.01800% One-Year LIBOR				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
Initial Percent . . .	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2020	104	101	100	99	98	104	101	100	99	98	104	101	100	99	98
July 2021	108	98	95	92	89	111	101	97	94	91	111	101	98	94	91
July 2022	112	93	88	82	77	118	99	93	87	81	118	100	94	88	83
July 2023	116	88	79	72	65	126	95	86	78	70	126	99	90	81	73
July 2024	120	81	70	61	52	135	91	79	68	59	134	96	84	72	62
July 2025	125	74	61	51	41	143	85	70	58	47	141	91	75	62	51
July 2026	129	66	52	41	32	150	77	61	47	37	138	79	63	49	38
July 2027	132	58	43	32	23	159	70	52	38	28	147	74	55	41	30
July 2028	136	51	36	24	17	156	59	41	29	19	2	1	1	0	0
July 2029	140	44	29	18	11	165	52	34	22	14	1	1	0	0	0
July 2030	146	38	23	14	8	14	4	2	1	1	1	0	0	0	0
July 2031	150	31	18	10	5	1	0	0	0	0	1	0	0	0	0
July 2032	155	26	14	7	3	1	0	0	0	0	0	0	0	0	0
July 2033	148	20	9	4	2	1	0	0	0	0	0	0	0	0	0
July 2034	153	16	7	3	1	1	0	0	0	0	0	0	0	0	0
July 2035	122	10	4	1	0	0	0	0	0	0	0	0	0	0	0
July 2036	13	1	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2037	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2038	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2039	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2041	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2042	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2043	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2044 and thereafter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years) . . .	15.9	9.3	7.7	6.6	5.7	10.3	8.6	7.6	6.7	5.9	8.3	7.8	7.0	6.3	5.7

**Security Group 2
PPC Prepayment Assumption Rates**

Distribution Date	Class FB 9.34500% One-Month LIBOR 2.18000% One-Year LIBOR					Class FB 9.34500% One-Month LIBOR 5.09900% One-Year LIBOR					Class FB 9.34500% One-Month LIBOR 8.01800% One-Year LIBOR				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
Initial Percent . . .	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2020	104	101	100	99	98	104	101	100	99	98	104	101	100	99	98
July 2021	108	98	95	92	89	111	101	97	94	91	111	101	98	94	91
July 2022	112	93	88	82	77	118	99	93	87	81	119	100	94	88	83
July 2023	116	88	79	72	65	126	95	86	78	70	129	99	90	81	73
July 2024	120	81	70	61	52	135	91	79	68	59	138	96	84	72	62
July 2025	125	74	61	51	41	143	85	70	58	47	146	91	75	62	51
July 2026	129	66	52	41	32	150	77	61	47	37	144	79	63	49	38
July 2027	132	58	43	32	23	159	70	52	38	28	155	74	55	41	30
July 2028	136	51	36	24	17	156	59	41	29	19	2	1	1	0	0
July 2029	140	44	29	18	11	166	52	34	22	14	1	1	0	0	0
July 2030	146	38	23	14	8	15	4	2	1	1	1	0	0	0	0
July 2031	150	31	18	10	5	1	0	0	0	0	1	0	0	0	0
July 2032	155	26	14	7	3	1	0	0	0	0	0	0	0	0	0
July 2033	148	20	9	4	2	1	0	0	0	0	0	0	0	0	0
July 2034	153	16	7	3	1	1	0	0	0	0	0	0	0	0	0
July 2035	122	10	4	1	0	0	0	0	0	0	0	0	0	0	0
July 2036	13	1	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2037	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2038	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2039	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2041	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2042	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2043	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2044 and thereafter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years) . . .	15.9	9.3	7.7	6.6	5.7	10.3	8.6	7.6	6.7	5.9	8.3	7.8	7.0	6.3	5.7

**Security Group 3
PPC Prepayment Assumption Rates**

Distribution Date	Class CI* 2.35000% One-Month LIBOR 2.18000% One-Year LIBOR					Class CI* 2.35000% One-Month LIBOR 5.09900% One-Year LIBOR					Class CI* 2.35000% One-Month LIBOR 8.01800% One-Year LIBOR				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
Initial Percent . . .	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2020	104	101	99	98	97	104	101	100	99	98	104	101	100	99	98
July 2021	108	97	94	91	88	111	100	97	94	90	111	101	97	94	91
July 2022	112	93	87	81	76	118	98	92	86	80	120	100	94	88	82
July 2023	115	87	78	70	63	126	94	85	77	69	132	99	89	80	72
July 2024	120	80	69	60	51	134	90	78	67	57	144	96	83	72	61
July 2025	124	73	60	49	40	142	84	69	57	46	156	92	76	62	51
July 2026	128	65	51	40	31	152	77	61	47	36	152	78	62	48	37
July 2027	133	58	43	32	23	161	70	52	38	28	166	73	55	40	29
July 2028	137	51	35	24	16	153	57	40	28	19	3	1	1	1	0
July 2029	141	44	28	18	11	163	51	33	21	13	3	1	1	0	0
July 2030	146	37	23	13	8	3	1	0	0	0	0	0	0	0	0
July 2031	151	31	18	9	5	3	1	0	0	0	0	0	0	0	0
July 2032	157	26	13	7	3	0	0	0	0	0	0	0	0	0	0
July 2033	144	19	9	4	2	0	0	0	0	0	0	0	0	0	0
July 2034	148	16	7	3	1	0	0	0	0	0	0	0	0	0	0
July 2035	154	12	5	2	1	0	0	0	0	0	0	0	0	0	0
July 2036	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2037	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2038	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2039	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2040 and thereafter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years) . . .	16.4	9.3	7.7	6.5	5.7	10.3	8.6	7.5	6.6	5.9	8.3	7.8	7.0	6.3	5.7

PPC Prepayment Assumption Rates

Distribution Date	Class CI* 5.84750% One-Month LIBOR 2.18000% One-Year LIBOR					Class CI* 5.84750% One-Month LIBOR 5.09900% One-Year LIBOR					Class CI* 5.84750% One-Month LIBOR 8.01800% One-Year LIBOR				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
Initial Percent . . .	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2020	104	101	99	98	97	104	101	100	99	98	104	101	100	99	98
July 2021	108	97	94	91	88	111	100	97	94	90	111	101	97	94	91
July 2022	112	93	87	81	76	118	98	92	86	80	120	100	94	88	82
July 2023	115	87	78	70	63	126	94	85	77	69	132	99	89	80	72
July 2024	120	80	69	60	51	134	90	78	67	57	144	96	83	72	61
July 2025	124	73	60	49	40	142	84	69	57	46	156	92	76	62	51
July 2026	128	65	51	40	31	152	77	61	47	36	152	78	62	48	37
July 2027	133	58	43	32	23	161	70	52	38	28	166	73	55	40	29
July 2028	137	51	35	24	16	153	57	40	28	19	3	1	1	1	0
July 2029	141	44	28	18	11	163	51	33	21	13	3	1	1	0	0
July 2030	146	37	23	13	8	3	1	0	0	0	0	0	0	0	0
July 2031	151	31	18	9	5	3	1	0	0	0	0	0	0	0	0
July 2032	157	26	13	7	3	0	0	0	0	0	0	0	0	0	0
July 2033	144	19	9	4	2	0	0	0	0	0	0	0	0	0	0
July 2034	148	16	7	3	1	0	0	0	0	0	0	0	0	0	0
July 2035	154	12	5	2	1	0	0	0	0	0	0	0	0	0	0
July 2036	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2037	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2038	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2039	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2040 and thereafter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years) . . .	16.4	9.3	7.7	6.5	5.7	10.3	8.6	7.5	6.6	5.9	8.3	7.8	7.0	6.3	5.7

* The decrement tables for Class CI reflect only the Class CI Notional Balance at various rates of PPC and at various levels of One-Month LIBOR and One-Year LIBOR. In addition to the current interest accrual amount on the Class CI Notional Balance at the Class CI Interest Rate, Class CI is entitled to the Class CI Deferred Interest Amount. No representation is made about the timing of distributions of the Class CI Deferred Interest Amount other than that such amount will be paid no later than the Final Distribution Date for Class CI.

**Security Group 3
PPC Prepayment Assumption Rates**

Distribution Date	Class CI* 9.34500% One-Month LIBOR 2.18000% One-Year LIBOR					Class CI* 9.34500% One-Month LIBOR 5.09900% One-Year LIBOR					Class CI* 9.34500% One-Month LIBOR 8.01800% One-Year LIBOR				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
Initial Percent . . .	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2020	104	101	99	98	97	104	101	100	99	98	104	101	100	99	98
July 2021	108	97	94	91	88	111	100	97	94	90	111	101	97	94	91
July 2022	112	93	87	81	76	118	98	92	86	80	120	100	94	88	82
July 2023	115	87	78	70	63	126	94	85	77	69	132	99	89	80	72
July 2024	120	80	69	60	51	134	90	78	67	57	144	96	83	72	61
July 2025	124	73	60	49	40	142	84	69	57	46	156	92	76	62	51
July 2026	128	65	51	40	31	152	77	61	47	36	152	78	62	48	37
July 2027	133	58	43	32	23	161	70	52	38	28	166	73	55	40	29
July 2028	137	51	35	24	16	153	57	40	28	19	3	1	1	1	0
July 2029	141	44	28	18	11	163	51	33	21	13	3	1	1	0	0
July 2030	146	37	23	13	8	3	1	0	0	0	0	0	0	0	0
July 2031	151	31	18	9	5	3	1	0	0	0	0	0	0	0	0
July 2032	157	26	13	7	3	0	0	0	0	0	0	0	0	0	0
July 2033	144	19	9	4	2	0	0	0	0	0	0	0	0	0	0
July 2034	148	16	7	3	1	0	0	0	0	0	0	0	0	0	0
July 2035	154	12	5	2	1	0	0	0	0	0	0	0	0	0	0
July 2036	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2037	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2038	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2039	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2040 and thereafter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	16.4	9.3	7.7	6.5	5.7	10.3	8.6	7.5	6.6	5.9	8.3	7.8	7.0	6.3	5.7

* The decrement tables for Class CI reflect only the Class CI Notional Balance at various rates of PPC and at various levels of One-Month LIBOR and One-Year LIBOR. In addition to the current interest accrual amount on the Class CI Notional Balance at the Class CI Interest Rate, Class CI is entitled to the Class CI Deferred Interest Amount. No representation is made about the timing of distributions of the Class CI Deferred Interest Amount other than that such amount will be paid no later than the Final Distribution Date for Class CI.

**Security Group 3
PPC Prepayment Assumption Rates**

Distribution Date	Class FC 2.35000% One-Month LIBOR 2.18000% One-Year LIBOR					Class FC 2.35000% One-Month LIBOR 5.09900% One-Year LIBOR					Class FC 2.35000% One-Month LIBOR 8.01800% One-Year LIBOR				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
Initial Percent . . .	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2020	103	100	99	98	97	103	101	100	99	98	103	101	100	99	98
July 2021	106	97	94	91	88	106	100	97	94	90	106	100	97	94	90
July 2022	110	92	87	81	76	110	98	92	86	80	110	100	94	88	82
July 2023	113	86	78	70	63	113	94	85	77	69	113	98	89	80	72
July 2024	116	80	69	60	51	116	89	78	67	57	116	96	83	72	61
July 2025	120	73	60	49	40	120	83	69	57	46	120	91	76	62	51
July 2026	124	65	51	40	31	123	77	61	47	36	111	78	62	48	37
July 2027	128	58	43	31	23	127	70	52	38	28	114	73	54	40	29
July 2028	131	51	35	24	16	117	57	40	28	19	2	1	1	1	0
July 2029	134	43	28	18	11	121	51	33	21	13	2	1	1	0	0
July 2030	138	37	22	13	8	2	1	0	0	0	0	0	0	0	0
July 2031	143	31	17	9	5	2	1	0	0	0	0	0	0	0	0
July 2032	147	26	13	7	3	0	0	0	0	0	0	0	0	0	0
July 2033	134	19	9	4	2	0	0	0	0	0	0	0	0	0	0
July 2034	138	15	7	3	1	0	0	0	0	0	0	0	0	0	0
July 2035	143	12	5	2	1	0	0	0	0	0	0	0	0	0	0
July 2036	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2037	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2038	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2039	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2040 and thereafter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years) . . .	16.3	9.3	7.7	6.5	5.7	10.3	8.6	7.5	6.6	5.9	8.3	7.8	7.0	6.3	5.7

PPC Prepayment Assumption Rates

Distribution Date	Class FC 5.84750% One-Month LIBOR 2.18000% One-Year LIBOR					Class FC 5.84750% One-Month LIBOR 5.09900% One-Year LIBOR					Class FC 5.84750% One-Month LIBOR 8.01800% One-Year LIBOR				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
Initial Percent . . .	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2020	104	101	99	98	97	104	101	100	99	98	104	101	100	99	98
July 2021	108	97	94	91	88	111	100	97	94	90	111	100	97	94	90
July 2022	111	93	87	81	76	118	98	92	86	80	118	100	94	88	82
July 2023	115	87	78	70	63	126	94	85	77	69	126	99	89	80	72
July 2024	120	80	69	60	51	134	90	78	67	57	135	96	83	72	61
July 2025	124	73	60	49	40	142	84	69	57	46	143	92	76	62	51
July 2026	128	65	51	40	31	152	77	61	47	36	136	78	62	48	37
July 2027	133	58	43	32	23	161	70	52	38	28	145	73	55	40	29
July 2028	137	51	35	24	16	153	57	40	28	19	3	1	1	1	0
July 2029	141	44	28	18	11	162	51	33	21	13	2	1	1	0	0
July 2030	146	37	22	13	8	3	1	0	0	0	0	0	0	0	0
July 2031	151	31	18	9	5	3	1	0	0	0	0	0	0	0	0
July 2032	156	26	13	7	3	0	0	0	0	0	0	0	0	0	0
July 2033	143	19	9	4	2	0	0	0	0	0	0	0	0	0	0
July 2034	148	16	7	3	1	0	0	0	0	0	0	0	0	0	0
July 2035	154	12	5	2	1	0	0	0	0	0	0	0	0	0	0
July 2036	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2037	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2038	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2039	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2040 and thereafter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years) . . .	16.4	9.3	7.7	6.5	5.7	10.3	8.6	7.5	6.6	5.9	8.3	7.8	7.0	6.3	5.7

Security Group 3
PPC Prepayment Assumption Rates

<u>Distribution Date</u>	Class FC 9.34500% One-Month LIBOR 2.18000% One-Year LIBOR					Class FC 9.34500% One-Month LIBOR 5.09900% One-Year LIBOR					Class FC 9.34500% One-Month LIBOR 8.01800% One-Year LIBOR				
	<u>0%</u>	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>	<u>0%</u>	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>	<u>0%</u>	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
Initial Percent . . .	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2020	104	101	99	98	97	104	101	100	99	98	104	101	100	99	98
July 2021	108	97	94	91	88	111	100	97	94	90	111	100	97	94	90
July 2022	111	93	87	81	76	118	98	92	86	80	120	100	94	88	82
July 2023	115	87	78	70	63	126	94	85	77	69	129	99	89	80	72
July 2024	120	80	69	60	51	134	90	78	67	57	139	96	83	72	61
July 2025	124	73	60	49	40	142	84	69	57	46	149	92	76	62	51
July 2026	128	65	51	40	31	152	77	61	47	36	143	78	62	48	37
July 2027	133	58	43	32	23	161	70	52	38	28	154	73	55	40	29
July 2028	137	51	35	24	16	153	57	40	28	19	3	1	1	1	0
July 2029	141	44	28	18	11	162	51	33	21	13	3	1	1	0	0
July 2030	146	37	22	13	8	3	1	0	0	0	0	0	0	0	0
July 2031	151	31	18	9	5	3	1	0	0	0	0	0	0	0	0
July 2032	156	26	13	7	3	0	0	0	0	0	0	0	0	0	0
July 2033	143	19	9	4	2	0	0	0	0	0	0	0	0	0	0
July 2034	148	16	7	3	1	0	0	0	0	0	0	0	0	0	0
July 2035	154	12	5	2	1	0	0	0	0	0	0	0	0	0	0
July 2036	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2037	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2038	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2039	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2040 and thereafter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years) . . .	16.4	9.3	7.7	6.5	5.7	10.3	8.6	7.5	6.6	5.9	8.3	7.8	7.0	6.3	5.7

**Security Group 4
PPC Prepayment Assumption Rates**

Distribution Date	Class DI* 2.18000% One-Year LIBOR					Class DI* 3.18000% One-Year LIBOR					Class DI* 4.80633% One-Year LIBOR				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
Initial Percent . . .	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2020	104	100	99	97	96	105	100	99	97	96	105	101	99	98	96
July 2021	108	97	93	89	86	110	98	94	90	87	112	100	96	92	88
July 2022	113	92	85	79	74	115	94	87	81	75	119	97	90	84	78
July 2023	117	86	77	69	61	121	89	79	71	63	127	93	83	75	66
July 2024	122	79	68	58	49	127	82	71	60	51	136	88	76	65	55
July 2025	126	72	59	48	38	133	76	62	50	41	145	82	67	55	44
July 2026	131	65	50	39	29	139	69	53	41	31	154	76	59	45	34
July 2027	136	57	42	30	22	146	62	45	33	23	163	69	50	36	26
July 2028	142	50	35	23	15	153	54	37	25	17	137	49	33	22	15
July 2029	147	43	28	17	11	160	47	30	19	12	82	23	15	9	5
July 2030	152	37	22	13	7	162	40	23	14	8	47	10	6	3	2
July 2031	156	31	17	9	5	84	16	9	4	2	10	2	1	0	0
July 2032	158	25	13	6	3	68	10	5	2	1	10	1	1	0	0
July 2033	127	16	7	3	1	9	1	0	0	0	11	1	0	0	0
July 2034	72	7	3	1	0	10	1	0	0	0	0	0	0	0	0
July 2035	67	5	2	1	0	9	1	0	0	0	0	0	0	0	0
July 2036	9	0	0	0	0	10	0	0	0	0	0	0	0	0	0
July 2037	9	0	0	0	0	10	0	0	0	0	0	0	0	0	0
July 2038	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2039	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2040	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2041 and thereafter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years) . . .	15.3	9.0	7.5	6.3	5.5	12.8	8.9	7.5	6.4	5.6	10.2	8.4	7.3	6.4	5.6

PPC Prepayment Assumption Rates

Distribution Date	Class DI* 6.43267% One-Year LIBOR					Class DI* 8.05900% One-Year LIBOR				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
Initial Percent . . .	100	100	100	100	100	100	100	100	100	100
July 2020	105	101	99	98	96	105	101	99	98	96
July 2021	112	100	96	92	89	112	100	96	92	89
July 2022	122	99	92	86	79	123	100	93	86	80
July 2023	132	97	87	77	69	135	99	88	79	70
July 2024	143	93	80	68	58	148	96	82	70	60
July 2025	155	88	72	58	47	161	92	75	61	49
July 2026	166	82	64	49	37	139	69	53	41	31
July 2027	129	54	39	28	20	79	32	23	17	12
July 2028	52	17	11	7	5	12	4	3	2	1
July 2029	12	3	2	1	1	11	3	2	1	1
July 2030	11	2	1	1	0	1	0	0	0	0
July 2031	11	2	1	1	0	0	0	0	0	0
July 2032	0	0	0	0	0	0	0	0	0	0
July 2033	0	0	0	0	0	0	0	0	0	0
July 2034	0	0	0	0	0	0	0	0	0	0
July 2035	0	0	0	0	0	0	0	0	0	0
July 2036	0	0	0	0	0	0	0	0	0	0
July 2037	0	0	0	0	0	0	0	0	0	0
July 2038	0	0	0	0	0	0	0	0	0	0
July 2039	0	0	0	0	0	0	0	0	0	0
July 2040	0	0	0	0	0	0	0	0	0	0
July 2041 and thereafter	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years) . . .	8.7	7.8	6.9	6.2	5.5	8.0	7.5	6.7	6.0	5.4

* The decrement tables for Class DI reflect only the Class DI Notional Balance at various rates of PPC and at various levels of One-Year LIBOR. In addition to the current interest accrual amount on the Class DI Notional Balance at the Class DI Interest Rate, Class DI is entitled to the Class DI Deferred Interest Amount. No representation is made about the timing of distributions of the Class DI Deferred Interest Amount other than that such amount will be paid no later than the Final Distribution Date for Class DI.

**Security Group 4
PPC Prepayment Assumption Rates**

Distribution Date	Class FD 2.18000% One-Year LIBOR					Class FD 3.18000% One-Year LIBOR					Class FD 4.80633% One-Year LIBOR				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2020	103	100	99	97	96	103	100	99	97	96	103	100	99	98	96
July 2021	105	96	93	89	86	106	98	94	90	87	108	99	96	92	88
July 2022	108	92	85	79	74	110	94	87	81	75	114	97	90	84	78
July 2023	111	86	77	69	61	115	88	79	71	63	120	93	83	75	66
July 2024	114	79	68	58	49	119	82	71	60	51	127	88	76	65	55
July 2025	117	72	59	48	38	123	76	62	50	41	134	82	67	55	44
July 2026	120	65	50	39	29	128	69	53	41	31	140	76	59	45	34
July 2027	123	57	42	30	22	132	62	45	33	23	147	68	50	36	26
July 2028	127	50	34	23	15	137	54	37	25	17	122	48	33	22	15
July 2029	130	43	28	17	11	141	47	30	19	12	73	23	15	9	5
July 2030	133	37	22	13	7	142	39	23	14	8	42	10	6	3	2
July 2031	135	31	17	9	5	73	16	9	4	2	9	2	1	0	0
July 2032	136	25	13	6	3	59	10	5	2	1	9	1	1	0	0
July 2033	108	16	7	3	1	8	1	0	0	0	9	1	0	0	0
July 2034	61	7	3	1	0	8	1	0	0	0	0	0	0	0	0
July 2035	56	5	2	1	0	8	1	0	0	0	0	0	0	0	0
July 2036	7	0	0	0	0	8	0	0	0	0	0	0	0	0	0
July 2037	8	0	0	0	0	8	0	0	0	0	0	0	0	0	0
July 2038	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2039	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2040	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2041 and thereafter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years) . . .	15.3	9.0	7.5	6.3	5.5	12.8	8.9	7.5	6.4	5.6	10.2	8.4	7.3	6.4	5.6

PPC Prepayment Assumption Rates

Distribution Date	Class FD 6.43267% One-Year LIBOR					Class FD 8.05900% One-Year LIBOR				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
Initial Percent	100	100	100	100	100	100	100	100	100	100
July 2020	103	100	99	98	96	103	100	99	98	96
July 2021	110	100	96	92	89	110	100	96	92	89
July 2022	117	99	92	86	79	118	99	93	86	80
July 2023	126	96	86	77	69	128	98	88	79	70
July 2024	135	93	80	68	58	137	96	82	70	60
July 2025	144	88	72	58	47	147	91	75	61	49
July 2026	153	82	64	49	37	125	68	53	41	31
July 2027	118	54	39	28	20	70	32	23	17	12
July 2028	47	17	11	7	5	11	4	3	2	1
July 2029	11	3	2	1	1	9	3	2	1	1
July 2030	10	2	1	1	0	1	0	0	0	0
July 2031	10	2	1	1	0	0	0	0	0	0
July 2032	0	0	0	0	0	0	0	0	0	0
July 2033	0	0	0	0	0	0	0	0	0	0
July 2034	0	0	0	0	0	0	0	0	0	0
July 2035	0	0	0	0	0	0	0	0	0	0
July 2036	0	0	0	0	0	0	0	0	0	0
July 2037	0	0	0	0	0	0	0	0	0	0
July 2038	0	0	0	0	0	0	0	0	0	0
July 2039	0	0	0	0	0	0	0	0	0	0
July 2040	0	0	0	0	0	0	0	0	0	0
July 2041 and thereafter	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years) . . .	8.7	7.8	6.9	6.2	5.5	8.0	7.5	6.7	6.0	5.4

Security Group 5
PPC Prepayment Assumption Rates

Distribution Date	Class EF 2.18000% One-Year LIBOR					Class EF 3.18000% One-Year LIBOR					Class EF 4.80633% One-Year LIBOR				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
Initial Percent . . .	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2020	103	96	93	90	87	103	96	93	90	87	103	97	94	91	88
July 2021	105	90	84	78	72	106	92	85	79	73	108	94	87	81	75
July 2022	108	84	75	66	59	110	86	77	68	60	114	89	80	71	63
July 2023	111	77	65	55	46	114	79	68	57	48	119	84	71	60	50
July 2024	113	69	56	44	35	117	72	58	46	37	102	63	51	40	32
July 2025	115	61	46	35	26	94	50	38	28	21	94	50	38	29	21
July 2026	90	41	29	20	14	90	41	29	20	14	15	7	5	4	2
July 2027	87	33	22	14	9	14	6	4	2	2	13	5	3	2	1
July 2028	13	4	3	2	1	12	4	3	2	1	9	3	2	1	1
July 2029	12	3	2	1	1	8	2	1	1	0	0	0	0	0	0
July 2030	8	2	1	0	0	8	2	1	1	0	0	0	0	0	0
July 2031	7	1	1	0	0	0	0	0	0	0	0	0	0	0	0
July 2032	8	1	1	0	0	0	0	0	0	0	0	0	0	0	0
July 2033 and thereafter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years) . . .	8.5	6.1	5.3	4.6	4.0	7.5	5.8	5.1	4.5	3.9	6.3	5.3	4.7	4.2	3.8

PPC Prepayment Assumption Rates

Distribution Date	Class EF 6.43267% One-Year LIBOR					Class EF 8.05900% One-Year LIBOR				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
Initial Percent . . .	100	100	100	100	100	100	100	100	100	100
July 2020	103	97	94	91	88	103	97	94	91	88
July 2021	110	95	88	82	76	110	95	88	82	76
July 2022	117	91	82	72	64	119	92	82	73	64
July 2023	125	87	74	62	52	104	71	61	51	43
July 2024	96	58	47	37	29	98	58	47	37	30
July 2025	15	8	6	5	4	16	8	6	5	4
July 2026	14	7	5	3	2	14	7	5	3	2
July 2027	9	4	3	2	1	10	4	3	2	1
July 2028	0	0	0	0	0	0	0	0	0	0
July 2029	0	0	0	0	0	0	0	0	0	0
July 2030	0	0	0	0	0	0	0	0	0	0
July 2031	0	0	0	0	0	0	0	0	0	0
July 2032	0	0	0	0	0	0	0	0	0	0
July 2033 and thereafter	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years) . . .	5.6	5.0	4.5	4.0	3.6	5.5	4.9	4.4	4.0	3.6

**Security Group 5
PPC Prepayment Assumption Rates**

Distribution Date	Class EI* 2.18000% One-Year LIBOR					Class EI* 3.18000% One-Year LIBOR					Class EI* 4.80633% One-Year LIBOR				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
Initial Percent . . .	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2020	105	96	93	90	87	106	96	93	90	87	106	97	94	91	88
July 2021	110	90	84	78	72	112	92	85	79	73	114	94	87	81	75
July 2022	115	84	75	66	59	118	86	77	68	60	123	89	80	71	63
July 2023	120	77	65	55	46	125	79	68	57	48	131	84	71	60	50
July 2024	126	69	56	44	35	131	72	58	46	37	114	63	51	40	32
July 2025	130	61	46	35	26	106	50	38	28	21	107	50	38	29	21
July 2026	103	41	29	20	14	103	41	29	20	14	17	7	5	4	2
July 2027	101	33	22	14	9	16	6	4	2	2	15	5	3	2	1
July 2028	15	4	3	2	1	14	4	3	2	1	10	3	2	1	1
July 2029	14	3	2	1	1	10	2	1	1	0	0	0	0	0	0
July 2030	9	2	1	0	0	10	2	1	1	0	0	0	0	0	0
July 2031	9	1	1	0	0	0	0	0	0	0	0	0	0	0	0
July 2032	10	1	1	0	0	0	0	0	0	0	0	0	0	0	0
July 2033 and thereafter . . .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years) . . .	8.6	6.1	5.3	4.6	4.0	7.5	5.8	5.1	4.5	3.9	6.3	5.3	4.7	4.2	3.8

PPC Prepayment Assumption Rates

Distribution Date	Class EI* 6.43267% One-Year LIBOR					Class EI* 8.05900% One-Year LIBOR				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
Initial Percent . . .	100	100	100	100	100	100	100	100	100	100
July 2020	106	97	94	91	88	106	97	94	91	88
July 2021	115	95	88	82	76	115	95	88	82	76
July 2022	126	91	82	72	64	126	92	82	73	64
July 2023	137	87	74	62	52	112	71	61	51	43
July 2024	105	58	47	37	29	106	58	47	37	30
July 2025	17	8	6	5	4	17	8	6	5	4
July 2026	16	7	5	3	2	16	7	5	3	2
July 2027	11	4	3	2	1	11	4	3	2	1
July 2028	0	0	0	0	0	0	0	0	0	0
July 2029	0	0	0	0	0	0	0	0	0	0
July 2030	0	0	0	0	0	0	0	0	0	0
July 2031	0	0	0	0	0	0	0	0	0	0
July 2032	0	0	0	0	0	0	0	0	0	0
July 2033 and thereafter . . .	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years) . . .	5.6	5.0	4.5	4.0	3.6	5.5	4.9	4.4	4.0	3.6

* The decrement tables for Class EI reflect only the Class EI Notional Balance at various rates of PPC and at various levels of One-Year LIBOR. In addition to the current interest accrual amount on the Class EI Notional Balance at the Class EI Interest Rate, Class EI is entitled to the Class EI Deferred Interest Amount. No representation is made about the timing of distributions of the Class EI Deferred Interest Amount other than that such amount will be paid no later than the Final Distribution Date for Class EI.

**Security Group 5
PPC Prepayment Assumption Rates**

<u>Distribution Date</u>	Class FE 2.18000% One-Year LIBOR					Class FE 3.18000% One-Year LIBOR					Class FE 4.80633% One-Year LIBOR				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
Initial Percent . . .	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2020	103	96	93	90	87	103	96	93	90	87	103	97	94	91	88
July 2021	105	90	84	78	72	106	92	85	79	73	108	94	87	81	75
July 2022	108	84	75	66	59	110	86	77	68	60	114	89	80	71	63
July 2023	111	77	65	55	46	115	79	68	57	48	120	84	71	60	50
July 2024	114	69	56	44	35	118	72	58	46	37	103	63	51	40	32
July 2025	116	61	46	35	26	94	50	38	28	21	95	50	38	29	21
July 2026	91	41	29	20	14	91	41	29	20	14	15	7	5	4	2
July 2027	88	33	22	14	9	14	6	4	2	2	13	5	3	2	1
July 2028	13	4	3	2	1	12	4	3	2	1	9	3	2	1	1
July 2029	12	3	2	1	1	8	2	1	1	0	0	0	0	0	0
July 2030	8	2	1	0	0	8	2	1	1	0	0	0	0	0	0
July 2031	7	1	1	0	0	0	0	0	0	0	0	0	0	0	0
July 2032	8	1	1	0	0	0	0	0	0	0	0	0	0	0	0
July 2033 and thereafter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years) . . .	8.5	6.1	5.3	4.6	4.0	7.5	5.8	5.1	4.5	3.9	6.3	5.3	4.7	4.2	3.8

PPC Prepayment Assumption Rates

<u>Distribution Date</u>	Class FE 6.43267% One-Year LIBOR					Class FE 8.05900% One-Year LIBOR				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
Initial Percent . . .	100	100	100	100	100	100	100	100	100	100
July 2020	103	97	94	91	88	103	97	94	91	88
July 2021	110	95	88	82	76	111	95	88	82	76
July 2022	118	91	82	72	64	119	92	82	73	64
July 2023	126	87	74	62	52	104	71	61	51	43
July 2024	96	58	47	37	29	98	58	47	37	30
July 2025	15	8	6	5	4	16	8	6	5	4
July 2026	14	7	5	3	2	14	7	5	3	2
July 2027	10	4	3	2	1	10	4	3	2	1
July 2028	0	0	0	0	0	0	0	0	0	0
July 2029	0	0	0	0	0	0	0	0	0	0
July 2030	0	0	0	0	0	0	0	0	0	0
July 2031	0	0	0	0	0	0	0	0	0	0
July 2032	0	0	0	0	0	0	0	0	0	0
July 2033 and thereafter	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years) . . .	5.6	5.0	4.5	4.0	3.6	5.5	4.9	4.4	4.0	3.6

Security Groups 4 and 5
PPC Prepayment Assumption Rates

Distribution Date	Class F 2.18000% One-Year LIBOR					Class F 3.18000% One-Year LIBOR					Class F 4.80633% One-Year LIBOR				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
Initial Percent . . .	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2020	103	99	97	95	94	103	99	97	96	94	103	100	98	96	94
July 2021	105	95	91	87	83	106	96	92	88	84	108	98	94	90	85
July 2022	108	90	83	76	70	110	92	85	78	72	114	95	88	81	74
July 2023	111	84	74	66	58	115	86	77	68	60	120	91	81	71	63
July 2024	114	77	65	55	46	119	80	68	57	48	121	82	70	59	50
July 2025	117	69	56	45	36	117	70	57	45	36	125	75	61	49	39
July 2026	114	59	45	34	26	119	62	48	36	27	112	60	47	36	27
July 2027	115	52	38	27	19	106	49	36	26	18	117	54	40	29	20
July 2028	101	40	27	18	12	109	43	29	20	13	97	38	26	18	12
July 2029	104	34	22	14	8	112	37	24	15	9	57	18	11	7	4
July 2030	105	29	17	10	6	112	31	18	11	6	32	8	5	3	1
July 2031	107	24	13	7	4	57	12	7	3	2	7	1	1	0	0
July 2032	107	20	10	5	2	46	8	4	2	1	7	1	1	0	0
July 2033	84	12	6	2	1	6	1	0	0	0	7	1	0	0	0
July 2034	47	5	2	1	0	6	1	0	0	0	0	0	0	0	0
July 2035	43	4	1	0	0	6	0	0	0	0	0	0	0	0	0
July 2036	6	0	0	0	0	6	0	0	0	0	0	0	0	0	0
July 2037	6	0	0	0	0	6	0	0	0	0	0	0	0	0	0
July 2038	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2039	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2040	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2041 and thereafter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years) . . .	14.1	8.4	7.0	5.9	5.1	11.9	8.2	7.0	6.0	5.2	9.6	7.7	6.7	5.9	5.2

PPC Prepayment Assumption Rates

Distribution Date	Class F 6.43267% One-Year LIBOR					Class F 8.05900% One-Year LIBOR				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
Initial Percent . . .	100	100	100	100	100	100	100	100	100	100
July 2020	103	100	98	96	94	103	100	98	96	94
July 2021	110	99	94	90	86	110	99	94	90	86
July 2022	118	97	90	83	76	118	98	90	83	76
July 2023	126	94	84	74	65	122	92	82	73	64
July 2024	126	85	72	61	51	129	87	74	63	53
July 2025	115	70	57	46	37	118	73	60	48	39
July 2026	122	65	50	39	29	101	55	42	32	25
July 2027	93	43	31	22	16	57	26	19	13	9
July 2028	36	13	9	6	4	8	3	2	1	1
July 2029	9	3	2	1	1	7	2	1	1	1
July 2030	7	2	1	1	0	0	0	0	0	0
July 2031	8	2	1	0	0	0	0	0	0	0
July 2032	0	0	0	0	0	0	0	0	0	0
July 2033	0	0	0	0	0	0	0	0	0	0
July 2034	0	0	0	0	0	0	0	0	0	0
July 2035	0	0	0	0	0	0	0	0	0	0
July 2036	0	0	0	0	0	0	0	0	0	0
July 2037	0	0	0	0	0	0	0	0	0	0
July 2038	0	0	0	0	0	0	0	0	0	0
July 2039	0	0	0	0	0	0	0	0	0	0
July 2040	0	0	0	0	0	0	0	0	0	0
July 2041 and thereafter	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years) . . .	8.2	7.2	6.4	5.7	5.1	7.5	6.9	6.2	5.6	5.0

Security Group 6
PPC Prepayment Assumption Rates

Distribution Date	Class FG 2.35000% One-Month LIBOR 2.18000% One-Year LIBOR					Class FG 2.35000% One-Month LIBOR 5.09900% One-Year LIBOR					Class FG 2.35000% One-Month LIBOR 8.01800% One-Year LIBOR				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
Initial Percent . . .	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2020	103	96	93	90	87	103	97	94	91	88	103	97	94	91	88
July 2021	106	90	84	78	72	106	94	87	81	75	106	95	88	82	76
July 2022	109	84	74	66	58	109	90	80	71	63	109	92	82	73	64
July 2023	112	77	65	55	46	112	85	72	61	51	112	89	76	64	53
July 2024	115	69	56	44	35	113	77	62	49	39	110	80	65	51	41
July 2025	118	62	47	35	26	59	35	27	20	15	19	12	9	7	5
July 2026	116	52	37	26	18	20	10	7	5	3	15	9	6	4	3
July 2027	103	39	26	17	10	16	7	5	3	2	0	0	0	0	0
July 2028	19	6	4	2	1	0	0	0	0	0	0	0	0	0	0
July 2029	16	4	2	1	1	0	0	0	0	0	0	0	0	0	0
July 2030	17	3	2	1	0	0	0	0	0	0	0	0	0	0	0
July 2031	17	3	1	1	0	0	0	0	0	0	0	0	0	0	0
July 2032 and thereafter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years) . . .	9.0	6.4	5.4	4.7	4.1	6.3	5.5	4.9	4.3	3.9	5.4	5.0	4.5	4.0	3.7

PPC Prepayment Assumption Rates

Distribution Date	Class FG 5.84750% One-Month LIBOR 2.18000% One-Year LIBOR					Class FG 5.84750% One-Month LIBOR 5.09900% One-Year LIBOR					Class FG 5.84750% One-Month LIBOR 8.01800% One-Year LIBOR				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
Initial Percent . . .	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2020	105	96	93	90	87	106	97	94	91	88	106	97	94	91	88
July 2021	110	90	84	78	72	113	94	87	81	75	113	95	88	82	76
July 2022	115	84	74	66	58	120	90	80	71	63	120	92	82	73	64
July 2023	120	77	65	55	46	128	85	72	61	51	128	89	76	64	53
July 2024	126	69	56	44	35	132	77	62	49	39	129	80	65	51	41
July 2025	131	62	47	35	26	71	35	27	20	15	23	12	9	7	5
July 2026	130	52	37	26	18	24	10	7	5	3	18	9	6	4	3
July 2027	118	39	26	17	10	20	7	5	3	2	0	0	0	0	0
July 2028	22	6	4	2	1	0	0	0	0	0	0	0	0	0	0
July 2029	19	4	2	1	1	0	0	0	0	0	0	0	0	0	0
July 2030	20	3	2	1	0	0	0	0	0	0	0	0	0	0	0
July 2031	21	3	1	1	0	0	0	0	0	0	0	0	0	0	0
July 2032 and thereafter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years) . . .	9.0	6.4	5.4	4.7	4.1	6.4	5.5	4.9	4.3	3.9	5.5	5.0	4.5	4.0	3.7

Security Group 6
PPC Prepayment Assumption Rates

Distribution Date	Class FG 9.34500% One-Month LIBOR 2.18000% One-Year LIBOR					Class FG 9.34500% One-Month LIBOR 5.09900% One-Year LIBOR					Class FG 9.34500% One-Month LIBOR 8.01800% One-Year LIBOR				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
Initial Percent . . .	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2020	105	96	93	90	87	106	97	94	91	88	106	97	94	91	88
July 2021	110	90	84	78	72	114	94	87	81	75	114	95	88	82	76
July 2022	115	84	74	66	58	123	90	80	71	63	123	92	82	73	64
July 2023	120	77	65	55	46	133	85	72	61	51	133	89	76	64	53
July 2024	126	69	56	44	35	139	77	62	49	39	136	80	65	51	41
July 2025	131	62	47	35	26	75	35	27	20	15	24	12	9	7	5
July 2026	130	52	37	26	18	26	10	7	5	3	19	9	6	4	3
July 2027	118	39	26	17	10	21	7	5	3	2	0	0	0	0	0
July 2028	22	6	4	2	1	0	0	0	0	0	0	0	0	0	0
July 2029	19	4	2	1	1	0	0	0	0	0	0	0	0	0	0
July 2030	20	3	2	1	0	0	0	0	0	0	0	0	0	0	0
July 2031	21	3	1	1	0	0	0	0	0	0	0	0	0	0	0
July 2032 and thereafter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	9.0	6.4	5.4	4.7	4.1	6.4	5.5	4.9	4.3	3.9	5.5	5.0	4.5	4.0	3.7

**Security Group 6
PPC Prepayment Assumption Rates**

Distribution Date	Class GI* 2.35000% One-Month LIBOR 2.18000% One-Year LIBOR					Class GI* 2.35000% One-Month LIBOR 5.09900% One-Year LIBOR					Class GI* 2.35000% One-Month LIBOR 8.01800% One-Year LIBOR				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
Initial Percent . . .	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2020	105	96	93	90	87	106	97	94	91	88	106	97	94	91	88
July 2021	110	90	84	78	72	115	94	87	81	75	116	95	88	82	76
July 2022	115	84	74	66	58	124	90	80	71	63	127	92	82	73	64
July 2023	121	77	65	55	46	133	85	72	61	51	140	89	76	64	53
July 2024	126	69	56	44	35	139	77	62	49	39	146	80	65	51	41
July 2025	131	62	47	35	26	75	35	27	20	15	26	12	9	7	5
July 2026	131	52	37	26	18	26	10	7	5	3	22	9	6	4	3
July 2027	118	39	26	17	10	21	7	5	3	2	0	0	0	0	0
July 2028	22	6	4	2	1	0	0	0	0	0	0	0	0	0	0
July 2029	19	4	2	1	1	0	0	0	0	0	0	0	0	0	0
July 2030	20	3	2	1	0	0	0	0	0	0	0	0	0	0	0
July 2031	21	3	1	1	0	0	0	0	0	0	0	0	0	0	0
July 2032 and thereafter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years) . . .	9.0	6.4	5.4	4.7	4.1	6.4	5.5	4.9	4.3	3.9	5.5	5.0	4.5	4.0	3.7

PPC Prepayment Assumption Rates

Distribution Date	Class GI* 5.84750% One-Month LIBOR 2.18000% One-Year LIBOR					Class GI* 5.84750% One-Month LIBOR 5.09900% One-Year LIBOR					Class GI* 5.84750% One-Month LIBOR 8.01800% One-Year LIBOR				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
Initial Percent . . .	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2020	105	96	93	90	87	106	97	94	91	88	106	97	94	91	88
July 2021	110	90	84	78	72	115	94	87	81	75	116	95	88	82	76
July 2022	115	84	74	66	58	124	90	80	71	63	127	92	82	73	64
July 2023	121	77	65	55	46	133	85	72	61	51	140	89	76	64	53
July 2024	126	69	56	44	35	139	77	62	49	39	146	80	65	51	41
July 2025	131	62	47	35	26	75	35	27	20	15	26	12	9	7	5
July 2026	131	52	37	26	18	26	10	7	5	3	22	9	6	4	3
July 2027	118	39	26	17	10	21	7	5	3	2	0	0	0	0	0
July 2028	22	6	4	2	1	0	0	0	0	0	0	0	0	0	0
July 2029	19	4	2	1	1	0	0	0	0	0	0	0	0	0	0
July 2030	20	3	2	1	0	0	0	0	0	0	0	0	0	0	0
July 2031	21	3	1	1	0	0	0	0	0	0	0	0	0	0	0
July 2032 and thereafter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years) . . .	9.0	6.4	5.4	4.7	4.1	6.4	5.5	4.9	4.3	3.9	5.5	5.0	4.5	4.0	3.7

* The decrement tables for Class GI reflect only the Class GI Notional Balance at various rates of PPC and at various levels of One-Month LIBOR and One-Year LIBOR. In addition to the current interest accrual amount on the Class GI Notional Balance at the Class GI Interest Rate, Class GI is entitled to the Class GI Deferred Interest Amount. No representation is made about the timing of distributions of the Class GI Deferred Interest Amount other than that such amount will be paid no later than the Final Distribution Date for Class GI.

Security Group 6
PPC Prepayment Assumption Rates

Distribution Date	Class GI* 9.34500% One-Month LIBOR 2.18000% One-Year LIBOR					Class GI* 9.34500% One-Month LIBOR 5.09900% One-Year LIBOR					Class GI* 9.34500% One-Month LIBOR 8.01800% One-Year LIBOR				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
Initial Percent . . .	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2020	105	96	93	90	87	106	97	94	91	88	106	97	94	91	88
July 2021	110	90	84	78	72	115	94	87	81	75	116	95	88	82	76
July 2022	115	84	74	66	58	124	90	80	71	63	127	92	82	73	64
July 2023	121	77	65	55	46	133	85	72	61	51	140	89	76	64	53
July 2024	126	69	56	44	35	139	77	62	49	39	146	80	65	51	41
July 2025	131	62	47	35	26	75	35	27	20	15	26	12	9	7	5
July 2026	131	52	37	26	18	26	10	7	5	3	22	9	6	4	3
July 2027	118	39	26	17	10	21	7	5	3	2	0	0	0	0	0
July 2028	22	6	4	2	1	0	0	0	0	0	0	0	0	0	0
July 2029	19	4	2	1	1	0	0	0	0	0	0	0	0	0	0
July 2030	20	3	2	1	0	0	0	0	0	0	0	0	0	0	0
July 2031	21	3	1	1	0	0	0	0	0	0	0	0	0	0	0
July 2032 and thereafter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	9.0	6.4	5.4	4.7	4.1	6.4	5.5	4.9	4.3	3.9	5.5	5.0	4.5	4.0	3.7

* The decrement tables for Class GI reflect only the Class GI Notional Balance at various rates of PPC and at various levels of One-Month LIBOR and One-Year LIBOR. In addition to the current interest accrual amount on the Class GI Notional Balance at the Class GI Interest Rate, Class GI is entitled to the Class GI Deferred Interest Amount. No representation is made about the timing of distributions of the Class GI Deferred Interest Amount other than that such amount will be paid no later than the Final Distribution Date for Class GI.

**Security Group 7
PPC Prepayment Assumption Rates**

Distribution Date	Class FL 2.35000% One-Month LIBOR 2.18000% One-Year LIBOR					Class FL 2.35000% One-Month LIBOR 5.09900% One-Year LIBOR					Class FL 2.35000% One-Month LIBOR 8.01800% One-Year LIBOR				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
Initial Percent . . .	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2020	103	101	100	98	97	103	101	100	99	98	103	101	100	99	98
July 2021	107	98	94	91	88	107	100	97	94	90	107	101	97	94	91
July 2022	111	93	87	82	76	111	98	92	86	81	111	100	94	88	82
July 2023	114	87	79	71	64	114	95	86	77	69	114	99	90	81	73
July 2024	118	81	70	60	52	118	90	78	68	58	118	97	84	72	62
July 2025	122	74	61	50	41	122	85	70	58	47	122	93	77	63	52
July 2026	126	66	52	40	31	125	78	61	48	37	126	88	69	54	41
July 2027	131	59	44	32	23	130	72	53	39	28	130	82	61	44	32
July 2028	135	52	36	25	17	134	64	45	31	21	1	1	1	0	0
July 2029	138	45	29	18	11	138	57	37	24	15	1	1	0	0	0
July 2030	143	38	23	14	8	15	5	3	2	1	1	0	0	0	0
July 2031	147	32	18	10	5	1	0	0	0	0	0	0	0	0	0
July 2032	151	27	14	7	3	1	0	0	0	0	0	0	0	0	0
July 2033	156	22	10	4	2	0	0	0	0	0	0	0	0	0	0
July 2034	160	17	7	3	1	0	0	0	0	0	0	0	0	0	0
July 2035	165	14	5	2	1	0	0	0	0	0	0	0	0	0	0
July 2036	16	1	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2037	16	1	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2038	16	1	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2039 and thereafter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years) . . .	16.8	9.5	7.8	6.6	5.7	10.9	9.0	7.8	6.8	6.0	8.7	8.2	7.3	6.5	5.8

PPC Prepayment Assumption Rates

Distribution Date	Class FL 5.84750% One-Month LIBOR 2.18000% One-Year LIBOR					Class FL 5.84750% One-Month LIBOR 5.09900% One-Year LIBOR					Class FL 5.84750% One-Month LIBOR 8.01800% One-Year LIBOR				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
Initial Percent . . .	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2020	104	101	100	98	97	105	101	100	99	98	105	101	100	99	98
July 2021	108	98	95	91	88	111	101	97	94	90	111	101	97	94	91
July 2022	112	93	87	82	76	119	99	92	86	81	119	101	94	88	82
July 2023	117	87	79	71	64	127	95	86	77	69	128	99	90	81	73
July 2024	121	81	70	60	52	136	91	78	68	58	137	97	84	72	62
July 2025	126	74	61	50	41	146	85	70	58	47	146	94	77	63	52
July 2026	131	67	52	40	31	154	78	61	48	37	156	88	69	54	41
July 2027	136	59	44	32	23	165	72	53	39	28	165	82	61	44	32
July 2028	141	52	36	25	17	176	65	45	31	21	2	1	1	0	0
July 2029	145	45	29	18	11	187	57	37	24	15	1	1	0	0	0
July 2030	151	38	23	14	8	20	5	3	2	1	2	0	0	0	0
July 2031	156	32	18	10	5	2	0	0	0	0	0	0	0	0	0
July 2032	161	27	14	7	3	1	0	0	0	0	0	0	0	0	0
July 2033	166	22	10	4	2	0	0	0	0	0	0	0	0	0	0
July 2034	172	17	7	3	1	0	0	0	0	0	0	0	0	0	0
July 2035	178	14	5	2	1	0	0	0	0	0	0	0	0	0	0
July 2036	17	1	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2037	18	1	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2038	18	1	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2039 and thereafter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years) . . .	16.8	9.5	7.8	6.6	5.7	10.9	9.0	7.8	6.8	6.0	8.7	8.2	7.3	6.5	5.8

**Security Group 7
PPC Prepayment Assumption Rates**

Distribution Date	Class FL 9.34500% One-Month LIBOR 2.18000% One-Year LIBOR					Class FL 9.34500% One-Month LIBOR 5.09900% One-Year LIBOR					Class FL 9.34500% One-Month LIBOR 8.01800% One-Year LIBOR				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
Initial Percent . . .	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2020	104	101	100	98	97	105	101	100	99	98	105	101	100	99	98
July 2021	108	98	95	91	88	111	101	97	94	90	112	101	97	94	91
July 2022	112	93	87	82	76	119	99	92	86	81	121	101	94	88	82
July 2023	117	87	79	71	64	127	95	86	77	69	133	100	90	81	73
July 2024	121	81	70	60	52	136	91	78	68	58	146	97	84	72	62
July 2025	126	74	61	50	41	146	85	70	58	47	160	94	77	63	52
July 2026	131	67	52	40	31	154	78	61	48	37	174	88	69	54	41
July 2027	136	59	44	32	23	165	72	53	39	28	189	82	61	44	32
July 2028	141	52	36	25	17	176	65	45	31	21	2	1	1	0	0
July 2029	145	45	29	18	11	187	57	37	24	15	2	1	0	0	0
July 2030	151	38	23	14	8	20	5	3	2	1	2	0	0	0	0
July 2031	156	32	18	10	5	2	0	0	0	0	0	0	0	0	0
July 2032	161	27	14	7	3	1	0	0	0	0	0	0	0	0	0
July 2033	166	22	10	4	2	0	0	0	0	0	0	0	0	0	0
July 2034	172	17	7	3	1	0	0	0	0	0	0	0	0	0	0
July 2035	178	14	5	2	1	0	0	0	0	0	0	0	0	0	0
July 2036	17	1	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2037	18	1	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2038	18	1	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2039 and thereafter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	16.8	9.5	7.8	6.6	5.7	10.9	9.0	7.8	6.8	6.0	8.7	8.2	7.3	6.5	5.8

**Security Group 7
PPC Prepayment Assumption Rates**

Distribution Date	Class LI* 2.35000% One-Month LIBOR 2.18000% One-Year LIBOR					Class LI* 2.35000% One-Month LIBOR 5.09900% One-Year LIBOR					Class LI* 2.35000% One-Month LIBOR 8.01800% One-Year LIBOR				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
Initial Percent . . .	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2020	104	101	100	99	97	105	101	100	99	98	105	101	100	99	98
July 2021	108	98	95	91	88	111	101	97	94	91	112	101	97	94	91
July 2022	113	93	87	82	76	119	99	93	86	81	121	101	94	88	82
July 2023	117	87	79	71	64	127	95	86	77	69	133	100	90	81	73
July 2024	121	81	70	60	52	136	91	79	68	58	146	97	84	72	62
July 2025	126	74	61	50	41	146	85	70	58	47	160	94	77	63	52
July 2026	131	67	52	41	31	154	78	61	48	37	174	88	69	54	41
July 2027	136	59	44	32	23	165	72	53	39	28	189	82	61	44	32
July 2028	141	52	36	25	17	176	65	45	31	21	2	1	1	0	0
July 2029	145	45	29	18	11	187	57	37	24	15	2	1	0	0	0
July 2030	151	38	23	14	8	20	5	3	2	1	2	0	0	0	0
July 2031	156	32	18	10	5	2	0	0	0	0	0	0	0	0	0
July 2032	161	27	14	7	3	1	0	0	0	0	0	0	0	0	0
July 2033	167	22	10	4	2	0	0	0	0	0	0	0	0	0	0
July 2034	172	18	7	3	1	0	0	0	0	0	0	0	0	0	0
July 2035	178	14	5	2	1	0	0	0	0	0	0	0	0	0	0
July 2036	17	1	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2037	18	1	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2038	18	1	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2039 and thereafter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years) . . .	16.8	9.5	7.8	6.6	5.7	10.9	9.0	7.8	6.8	6.0	8.7	8.2	7.3	6.5	5.8

PPC Prepayment Assumption Rates

Distribution Date	Class LI* 5.84750% One-Month LIBOR 2.18000% One-Year LIBOR					Class LI* 5.84750% One-Month LIBOR 5.09900% One-Year LIBOR					Class LI* 5.84750% One-Month LIBOR 8.01800% One-Year LIBOR				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
Initial Percent . . .	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2020	104	101	100	99	97	105	101	100	99	98	105	101	100	99	98
July 2021	108	98	95	91	88	111	101	97	94	91	112	101	97	94	91
July 2022	113	93	87	82	76	119	99	93	86	81	121	101	94	88	82
July 2023	117	87	79	71	64	127	95	86	77	69	133	100	90	81	73
July 2024	121	81	70	60	52	136	91	79	68	58	146	97	84	72	62
July 2025	126	74	61	50	41	146	85	70	58	47	160	94	77	63	52
July 2026	131	67	52	41	31	154	78	61	48	37	174	88	69	54	41
July 2027	136	59	44	32	23	165	72	53	39	28	189	82	61	44	32
July 2028	141	52	36	25	17	176	65	45	31	21	2	1	1	0	0
July 2029	145	45	29	18	11	187	57	37	24	15	2	1	0	0	0
July 2030	151	38	23	14	8	20	5	3	2	1	2	0	0	0	0
July 2031	156	32	18	10	5	2	0	0	0	0	0	0	0	0	0
July 2032	161	27	14	7	3	1	0	0	0	0	0	0	0	0	0
July 2033	167	22	10	4	2	0	0	0	0	0	0	0	0	0	0
July 2034	172	18	7	3	1	0	0	0	0	0	0	0	0	0	0
July 2035	178	14	5	2	1	0	0	0	0	0	0	0	0	0	0
July 2036	17	1	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2037	18	1	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2038	18	1	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2039 and thereafter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years) . . .	16.8	9.5	7.8	6.6	5.7	10.9	9.0	7.8	6.8	6.0	8.7	8.2	7.3	6.5	5.8

* The decrement tables for Class LI reflect only the Class LI Notional Balance at various rates of PPC and at various levels of One-Month LIBOR and One-Year LIBOR. In addition to the current interest accrual amount on the Class LI Notional Balance at the Class LI Interest Rate, Class LI is entitled to the Class LI Deferred Interest Amount. No representation is made about the timing of distributions of the Class LI Deferred Interest Amount other than that such amount will be paid no later than the Final Distribution Date for Class LI.

**Security Group 7
PPC Prepayment Assumption Rates**

Distribution Date	Class LI* 9.34500% One-Month LIBOR 2.18000% One-Year LIBOR					Class LI* 9.34500% One-Month LIBOR 5.09900% One-Year LIBOR					Class LI* 9.34500% One-Month LIBOR 8.01800% One-Year LIBOR				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
Initial Percent . . .	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2020	104	101	100	99	97	105	101	100	99	98	105	101	100	99	98
July 2021	108	98	95	91	88	111	101	97	94	91	112	101	97	94	91
July 2022	113	93	87	82	76	119	99	93	86	81	121	101	94	88	82
July 2023	117	87	79	71	64	127	95	86	77	69	133	100	90	81	73
July 2024	121	81	70	60	52	136	91	79	68	58	146	97	84	72	62
July 2025	126	74	61	50	41	146	85	70	58	47	160	94	77	63	52
July 2026	131	67	52	41	31	154	78	61	48	37	174	88	69	54	41
July 2027	136	59	44	32	23	165	72	53	39	28	189	82	61	44	32
July 2028	141	52	36	25	17	176	65	45	31	21	2	1	1	0	0
July 2029	145	45	29	18	11	187	57	37	24	15	2	1	0	0	0
July 2030	151	38	23	14	8	20	5	3	2	1	2	0	0	0	0
July 2031	156	32	18	10	5	2	0	0	0	0	0	0	0	0	0
July 2032	161	27	14	7	3	1	0	0	0	0	0	0	0	0	0
July 2033	167	22	10	4	2	0	0	0	0	0	0	0	0	0	0
July 2034	172	18	7	3	1	0	0	0	0	0	0	0	0	0	0
July 2035	178	14	5	2	1	0	0	0	0	0	0	0	0	0	0
July 2036	17	1	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2037	18	1	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2038	18	1	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2039 and thereafter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	16.8	9.5	7.8	6.6	5.7	10.9	9.0	7.8	6.8	6.0	8.7	8.2	7.3	6.5	5.8

* The decrement tables for Class LI reflect only the Class LI Notional Balance at various rates of PPC and at various levels of One-Month LIBOR and One-Year LIBOR. In addition to the current interest accrual amount on the Class LI Notional Balance at the Class LI Interest Rate, Class LI is entitled to the Class LI Deferred Interest Amount. No representation is made about the timing of distributions of the Class LI Deferred Interest Amount other than that such amount will be paid no later than the Final Distribution Date for Class LI.

**Security Group 8
PPC Prepayment Assumption Rates**

Distribution Date	Class FM 2.35000% One-Month LIBOR 2.18000% One-Year LIBOR					Class FM 2.35000% One-Month LIBOR 5.09900% One-Year LIBOR					Class FM 2.35000% One-Month LIBOR 8.01800% One-Year LIBOR				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
Initial Percent . . .	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2020	103	101	100	99	98	103	101	100	99	99	103	101	100	99	99
July 2021	106	99	96	93	90	106	101	98	95	92	106	101	98	95	92
July 2022	110	94	89	83	78	110	99	94	88	83	110	101	95	89	84
July 2023	113	89	80	73	66	113	96	87	79	71	113	100	91	82	74
July 2024	117	82	72	62	54	117	92	80	69	60	117	97	85	74	64
July 2025	120	75	63	52	42	120	86	72	60	49	120	94	78	65	53
July 2026	124	68	54	42	33	124	80	64	50	39	124	89	71	55	43
July 2027	128	61	45	33	24	128	74	55	41	30	128	84	63	46	34
July 2028	132	54	38	26	18	132	67	47	33	22	1	0	0	0	0
July 2029	136	47	31	20	12	136	60	39	25	16	1	0	0	0	0
July 2030	141	40	24	15	8	1	0	0	0	0	0	0	0	0	0
July 2031	145	34	19	10	5	0	0	0	0	0	0	0	0	0	0
July 2032	149	28	15	7	3	0	0	0	0	0	0	0	0	0	0
July 2033	154	23	11	5	2	0	0	0	0	0	0	0	0	0	0
July 2034	158	19	8	3	1	0	0	0	0	0	0	0	0	0	0
July 2035 and thereafter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years) . . .	15.9	9.6	7.9	6.7	5.8	10.4	8.9	7.8	6.8	6.1	8.5	8.1	7.3	6.5	5.9

PPC Prepayment Assumption Rates

Distribution Date	Class FM 5.84750% One-Month LIBOR 2.18000% One-Year LIBOR					Class FM 5.84750% One-Month LIBOR 5.09900% One-Year LIBOR					Class FM 5.84750% One-Month LIBOR 8.01800% One-Year LIBOR				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
Initial Percent . . .	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2020	104	101	100	99	99	104	101	101	100	99	104	101	101	100	99
July 2021	108	99	96	93	90	111	101	98	95	92	111	101	98	95	92
July 2022	112	94	89	84	78	118	100	94	88	83	118	101	95	89	84
July 2023	117	89	81	73	66	126	96	88	79	72	126	100	91	82	74
July 2024	122	82	72	62	54	135	92	80	70	60	135	98	85	74	64
July 2025	126	75	63	52	42	144	87	72	60	49	144	94	78	65	53
July 2026	131	68	54	42	33	154	81	64	50	39	154	90	71	55	43
July 2027	137	61	45	34	24	164	74	55	41	30	164	84	63	46	34
July 2028	142	54	38	26	18	176	67	47	33	22	1	0	0	0	0
July 2029	148	47	31	20	12	187	60	40	25	16	1	0	0	0	0
July 2030	153	40	24	15	8	1	0	0	0	0	0	0	0	0	0
July 2031	159	34	19	10	5	0	0	0	0	0	0	0	0	0	0
July 2032	166	28	15	7	3	0	0	0	0	0	0	0	0	0	0
July 2033	172	23	11	5	2	0	0	0	0	0	0	0	0	0	0
July 2034	178	19	8	3	1	0	0	0	0	0	0	0	0	0	0
July 2035 and thereafter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years) . . .	15.9	9.6	7.9	6.7	5.8	10.4	8.9	7.8	6.8	6.1	8.5	8.1	7.3	6.5	5.9

Security Group 8
PPC Prepayment Assumption Rates

Distribution Date	Class FM 9.34500% One-Month LIBOR 2.18000% One-Year LIBOR					Class FM 9.34500% One-Month LIBOR 5.09900% One-Year LIBOR					Class FM 9.34500% One-Month LIBOR 8.01800% One-Year LIBOR				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
Initial Percent . . .	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2020	104	101	100	99	99	104	101	101	100	99	104	101	101	100	99
July 2021	108	99	96	93	90	111	101	98	95	92	111	101	98	95	92
July 2022	112	94	89	84	78	119	100	94	88	83	119	101	95	89	84
July 2023	117	89	81	73	66	127	96	88	79	72	129	100	91	82	74
July 2024	122	82	72	62	54	136	92	80	70	60	139	98	85	74	64
July 2025	126	75	63	52	42	145	87	72	60	49	150	94	78	65	53
July 2026	131	68	54	42	33	156	81	64	50	39	161	90	71	55	43
July 2027	137	61	45	34	24	167	74	55	41	30	174	84	63	46	34
July 2028	142	54	38	26	18	178	67	47	33	22	1	0	0	0	0
July 2029	148	47	31	20	12	190	60	40	25	16	1	0	0	0	0
July 2030	153	40	24	15	8	1	0	0	0	0	0	0	0	0	0
July 2031	159	34	19	10	5	0	0	0	0	0	0	0	0	0	0
July 2032	166	28	15	7	3	0	0	0	0	0	0	0	0	0	0
July 2033	172	23	11	5	2	0	0	0	0	0	0	0	0	0	0
July 2034	178	19	8	3	1	0	0	0	0	0	0	0	0	0	0
July 2035 and thereafter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years) . . .	15.9	9.6	7.9	6.7	5.8	10.4	8.9	7.8	6.8	6.1	8.5	8.1	7.3	6.5	5.9

**Security Group 8
PPC Prepayment Assumption Rates**

Distribution Date	Class MI* 2.35000% One-Month LIBOR 2.18000% One-Year LIBOR					Class MI* 2.35000% One-Month LIBOR 5.09900% One-Year LIBOR					Class MI* 2.35000% One-Month LIBOR 8.01800% One-Year LIBOR				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
Initial Percent . . .	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2020	104	101	100	100	99	104	102	101	100	99	104	102	101	100	99
July 2021	108	99	96	93	90	111	101	98	95	92	111	101	98	95	92
July 2022	113	95	89	84	78	119	100	94	88	83	120	101	95	89	84
July 2023	117	89	81	73	66	127	96	88	79	72	132	100	91	82	74
July 2024	122	82	72	62	54	136	92	80	70	60	144	98	85	74	64
July 2025	126	75	63	52	43	146	87	72	60	49	158	94	78	65	53
July 2026	131	68	54	42	33	156	81	64	50	39	173	90	71	55	43
July 2027	137	61	46	34	24	167	74	56	41	30	189	84	63	46	34
July 2028	142	54	38	26	18	178	67	47	33	22	1	0	0	0	0
July 2029	148	47	31	20	12	191	60	40	25	16	1	0	0	0	0
July 2030	154	40	24	15	8	1	0	0	0	0	0	0	0	0	0
July 2031	159	34	19	10	5	0	0	0	0	0	0	0	0	0	0
July 2032	166	28	15	7	3	0	0	0	0	0	0	0	0	0	0
July 2033	172	23	11	5	2	0	0	0	0	0	0	0	0	0	0
July 2034	178	19	8	3	1	0	0	0	0	0	0	0	0	0	0
July 2035 and thereafter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years) . . .	15.9	9.6	7.9	6.7	5.8	10.4	8.9	7.8	6.8	6.1	8.5	8.1	7.3	6.5	5.9

PPC Prepayment Assumption Rates

Distribution Date	Class MI* 5.84750% One-Month LIBOR 2.18000% One-Year LIBOR					Class MI* 5.84750% One-Month LIBOR 5.09900% One-Year LIBOR					Class MI* 5.84750% One-Month LIBOR 8.01800% One-Year LIBOR				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
Initial Percent . . .	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2020	104	101	100	100	99	104	102	101	100	99	104	102	101	100	99
July 2021	108	99	96	93	90	111	101	98	95	92	111	101	98	95	92
July 2022	113	95	89	84	78	119	100	94	88	83	120	101	95	89	84
July 2023	117	89	81	73	66	127	96	88	79	72	132	100	91	82	74
July 2024	122	82	72	62	54	136	92	80	70	60	144	98	85	74	64
July 2025	126	75	63	52	43	146	87	72	60	49	158	94	78	65	53
July 2026	131	68	54	42	33	156	81	64	50	39	173	90	71	55	43
July 2027	137	61	46	34	24	167	74	56	41	30	189	84	63	46	34
July 2028	142	54	38	26	18	178	67	47	33	22	1	0	0	0	0
July 2029	148	47	31	20	12	191	60	40	25	16	1	0	0	0	0
July 2030	154	40	24	15	8	1	0	0	0	0	0	0	0	0	0
July 2031	159	34	19	10	5	0	0	0	0	0	0	0	0	0	0
July 2032	166	28	15	7	3	0	0	0	0	0	0	0	0	0	0
July 2033	172	23	11	5	2	0	0	0	0	0	0	0	0	0	0
July 2034	178	19	8	3	1	0	0	0	0	0	0	0	0	0	0
July 2035 and thereafter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years) . . .	15.9	9.6	7.9	6.7	5.8	10.4	8.9	7.8	6.8	6.1	8.5	8.1	7.3	6.5	5.9

* The decrement tables for Class MI reflect only the Class MI Notional Balance at various rates of PPC and at various levels of One-Month LIBOR and One-Year LIBOR. In addition to the current interest accrual amount on the Class MI Notional Balance at the Class MI Interest Rate, Class MI is entitled to the Class MI Deferred Interest Amount. No representation is made about the timing of distributions of the Class MI Deferred Interest Amount other than that such amount will be paid no later than the Final Distribution Date for Class MI.

**Security Group 8
PPC Prepayment Assumption Rates**

Distribution Date	Class MI* 9.34500% One-Month LIBOR 2.18000% One-Year LIBOR					Class MI* 9.34500% One-Month LIBOR 5.09900% One-Year LIBOR					Class MI* 9.34500% One-Month LIBOR 8.01800% One-Year LIBOR				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
Initial Percent . . .	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2020	104	101	100	100	99	104	102	101	100	99	104	102	101	100	99
July 2021	108	99	96	93	90	111	101	98	95	92	111	101	98	95	92
July 2022	113	95	89	84	78	119	100	94	88	83	120	101	95	89	84
July 2023	117	89	81	73	66	127	96	88	79	72	132	100	91	82	74
July 2024	122	82	72	62	54	136	92	80	70	60	144	98	85	74	64
July 2025	126	75	63	52	43	146	87	72	60	49	158	94	78	65	53
July 2026	131	68	54	42	33	156	81	64	50	39	173	90	71	55	43
July 2027	137	61	46	34	24	167	74	56	41	30	189	84	63	46	34
July 2028	142	54	38	26	18	178	67	47	33	22	1	0	0	0	0
July 2029	148	47	31	20	12	191	60	40	25	16	1	0	0	0	0
July 2030	154	40	24	15	8	1	0	0	0	0	0	0	0	0	0
July 2031	159	34	19	10	5	0	0	0	0	0	0	0	0	0	0
July 2032	166	28	15	7	3	0	0	0	0	0	0	0	0	0	0
July 2033	172	23	11	5	2	0	0	0	0	0	0	0	0	0	0
July 2034	178	19	8	3	1	0	0	0	0	0	0	0	0	0	0
July 2035 and thereafter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years) . . .	15.9	9.6	7.9	6.7	5.8	10.4	8.9	7.8	6.8	6.1	8.5	8.1	7.3	6.5	5.9

* The decrement tables for Class MI reflect only the Class MI Notional Balance at various rates of PPC and at various levels of One-Month LIBOR and One-Year LIBOR. In addition to the current interest accrual amount on the Class MI Notional Balance at the Class MI Interest Rate, Class MI is entitled to the Class MI Deferred Interest Amount. No representation is made about the timing of distributions of the Class MI Deferred Interest Amount other than that such amount will be paid no later than the Final Distribution Date for Class MI.

**Security Groups 7 and 8
PPC Prepayment Assumption Rates**

Distribution Date	Class IB* 2.35000% One-Month LIBOR 2.18000% One-Year LIBOR					Class IB* 2.35000% One-Month LIBOR 5.09900% One-Year LIBOR					Class IB* 2.35000% One-Month LIBOR 8.01800% One-Year LIBOR				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
Initial Percent . . .	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2020	104	101	100	99	98	104	101	100	99	98	104	101	100	99	98
July 2021	108	99	96	92	89	111	101	98	95	92	111	101	98	95	92
July 2022	113	94	89	83	78	119	99	93	88	82	121	101	95	89	83
July 2023	117	89	80	73	65	127	96	87	79	71	132	100	91	82	74
July 2024	122	82	71	62	53	136	92	80	69	59	145	98	85	73	63
July 2025	126	75	62	51	42	146	86	72	59	48	158	94	78	64	53
July 2026	131	68	53	42	32	155	80	63	49	38	173	89	70	55	43
July 2027	137	61	45	33	24	166	74	55	40	29	189	84	62	46	33
July 2028	142	53	37	26	17	178	67	47	32	22	1	0	0	0	0
July 2029	147	46	30	19	12	190	60	39	25	16	1	0	0	0	0
July 2030	153	40	24	14	8	6	1	1	1	0	1	0	0	0	0
July 2031	159	33	19	10	5	1	0	0	0	0	0	0	0	0	0
July 2032	165	28	14	7	3	1	0	0	0	0	0	0	0	0	0
July 2033	171	23	11	5	2	0	0	0	0	0	0	0	0	0	0
July 2034	176	18	8	3	1	0	0	0	0	0	0	0	0	0	0
July 2035	45	4	1	0	0	0	0	0	0	0	0	0	0	0	0
July 2036	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2037	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2038	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2039 and thereafter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years) . . .	16.1	9.6	7.9	6.7	5.8	10.5	8.9	7.8	6.8	6.0	8.6	8.1	7.3	6.5	5.9

PPC Prepayment Assumption Rates

Distribution Date	Class IB* 5.84750% One-Month LIBOR 2.18000% One-Year LIBOR					Class IB* 5.84750% One-Month LIBOR 5.09900% One-Year LIBOR					Class IB* 5.84750% One-Month LIBOR 8.01800% One-Year LIBOR				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
Initial Percent . . .	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2020	104	101	100	99	98	104	101	100	99	98	104	101	100	99	98
July 2021	108	99	96	92	89	111	101	98	95	92	111	101	98	95	92
July 2022	113	94	89	83	78	119	99	93	88	82	121	101	95	89	83
July 2023	117	89	80	73	65	127	96	87	79	71	132	100	91	82	74
July 2024	122	82	71	62	53	136	92	80	69	59	145	98	85	73	63
July 2025	126	75	62	51	42	146	86	72	59	48	158	94	78	64	53
July 2026	131	68	53	42	32	155	80	63	49	38	173	89	70	55	43
July 2027	137	61	45	33	24	166	74	55	40	29	189	84	62	46	33
July 2028	142	53	37	26	17	178	67	47	32	22	1	0	0	0	0
July 2029	147	46	30	19	12	190	60	39	25	16	1	0	0	0	0
July 2030	153	40	24	14	8	6	1	1	1	0	1	0	0	0	0
July 2031	159	33	19	10	5	1	0	0	0	0	0	0	0	0	0
July 2032	165	28	14	7	3	1	0	0	0	0	0	0	0	0	0
July 2033	171	23	11	5	2	0	0	0	0	0	0	0	0	0	0
July 2034	176	18	8	3	1	0	0	0	0	0	0	0	0	0	0
July 2035	45	4	1	0	0	0	0	0	0	0	0	0	0	0	0
July 2036	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2037	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2038	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2039 and thereafter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years) . . .	16.1	9.6	7.9	6.7	5.8	10.5	8.9	7.8	6.8	6.0	8.6	8.1	7.3	6.5	5.9

* The decrement tables for Class IB reflect only the Class IB Notional Balance at various rates of PPC and at various levels of One-Month LIBOR and One-Year LIBOR. In addition to the current interest accrual amount on the Class IB Notional Balance at the Class IB Interest Rate, Class IB is entitled to the Class IB Deferred Interest Amount. No representation is made about the timing of distributions of the Class IB Deferred Interest Amount other than that such amount will be paid no later than the Final Distribution Date for Class IB.

**Security Groups 7 and 8
PPC Prepayment Assumption Rates**

Distribution Date	Class IB* 9.34500% One-Month LIBOR 2.18000% One-Year LIBOR					Class IB* 9.34500% One-Month LIBOR 5.09900% One-Year LIBOR					Class IB* 9.34500% One-Month LIBOR 8.01800% One-Year LIBOR				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
Initial Percent . . .	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2020	104	101	100	99	98	104	101	100	99	98	104	101	100	99	98
July 2021	108	99	96	92	89	111	101	98	95	92	111	101	98	95	92
July 2022	113	94	89	83	78	119	99	93	88	82	121	101	95	89	83
July 2023	117	89	80	73	65	127	96	87	79	71	132	100	91	82	74
July 2024	122	82	71	62	53	136	92	80	69	59	145	98	85	73	63
July 2025	126	75	62	51	42	146	86	72	59	48	158	94	78	64	53
July 2026	131	68	53	42	32	155	80	63	49	38	173	89	70	55	43
July 2027	137	61	45	33	24	166	74	55	40	29	189	84	62	46	33
July 2028	142	53	37	26	17	178	67	47	32	22	1	0	0	0	0
July 2029	147	46	30	19	12	190	60	39	25	16	1	0	0	0	0
July 2030	153	40	24	14	8	6	1	1	1	0	1	0	0	0	0
July 2031	159	33	19	10	5	1	0	0	0	0	0	0	0	0	0
July 2032	165	28	14	7	3	1	0	0	0	0	0	0	0	0	0
July 2033	171	23	11	5	2	0	0	0	0	0	0	0	0	0	0
July 2034	176	18	8	3	1	0	0	0	0	0	0	0	0	0	0
July 2035	45	4	1	0	0	0	0	0	0	0	0	0	0	0	0
July 2036	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2037	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2038	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2039 and thereafter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	16.1	9.6	7.9	6.7	5.8	10.5	8.9	7.8	6.8	6.0	8.6	8.1	7.3	6.5	5.9

* The decrement tables for Class IB reflect only the Class IB Notional Balance at various rates of PPC and at various levels of One-Month LIBOR and One-Year LIBOR. In addition to the current interest accrual amount on the Class IB Notional Balance at the Class IB Interest Rate, Class IB is entitled to the Class IB Deferred Interest Amount. No representation is made about the timing of distributions of the Class IB Deferred Interest Amount other than that such amount will be paid no later than the Final Distribution Date for Class IB.

**Security Group 9
PPC Prepayment Assumption Rates**

Distribution Date	Class FN 2.35000% One-Month LIBOR 2.18000% One-Year LIBOR					Class FN 2.35000% One-Month LIBOR 5.09900% One-Year LIBOR					Class FN 2.35000% One-Month LIBOR 8.01800% One-Year LIBOR				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
Initial Percent . . .	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2020	103	100	99	98	97	103	101	100	98	97	103	101	100	98	97
July 2021	106	97	94	91	87	106	100	97	93	90	106	100	97	94	90
July 2022	109	93	87	81	76	109	98	92	86	80	109	100	94	87	82
July 2023	113	87	78	70	63	113	95	85	77	69	113	99	89	80	72
July 2024	116	80	69	60	51	116	90	78	67	57	116	96	83	72	61
July 2025	120	73	60	49	40	120	84	70	57	46	120	93	76	63	51
July 2026	123	66	52	40	31	123	78	61	47	36	123	87	68	53	41
July 2027	127	59	43	32	23	126	71	53	38	28	126	81	60	44	32
July 2028	131	51	36	24	16	130	64	44	30	20	1	1	1	0	0
July 2029	134	44	29	18	11	134	57	37	23	14	1	0	0	0	0
July 2030	138	38	23	13	8	6	2	1	1	0	1	0	0	0	0
July 2031	142	32	18	9	5	1	0	0	0	0	0	0	0	0	0
July 2032	146	26	13	7	3	1	0	0	0	0	0	0	0	0	0
July 2033	149	22	10	4	2	0	0	0	0	0	0	0	0	0	0
July 2034	153	17	7	3	1	0	0	0	0	0	0	0	0	0	0
July 2035	157	14	5	2	1	0	0	0	0	0	0	0	0	0	0
July 2036	40	3	1	0	0	0	0	0	0	0	0	0	0	0	0
July 2037	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2038	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2039	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2041	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2042	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2043	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2044	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2045	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2046	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2047	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2048 and thereafter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years) . . .	16.9	9.5	7.7	6.5	5.7	10.9	9.0	7.7	6.7	5.9	8.7	8.2	7.3	6.5	5.8

**Security Group 9
PPC Prepayment Assumption Rates**

Distribution Date	Class FN 5.84750% One-Month LIBOR 2.18000% One-Year LIBOR					Class FN 5.84750% One-Month LIBOR 5.09900% One-Year LIBOR					Class FN 5.84750% One-Month LIBOR 8.01800% One-Year LIBOR				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
Initial Percent . . .	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2020	104	101	99	98	97	105	101	100	98	97	105	101	100	98	97
July 2021	108	98	94	91	87	111	100	97	93	90	111	101	97	94	90
July 2022	112	93	87	81	76	119	98	92	86	80	119	100	94	87	82
July 2023	117	87	78	70	63	127	95	85	77	69	127	99	89	80	72
July 2024	121	80	69	60	51	135	90	78	67	57	135	96	83	72	61
July 2025	126	73	60	49	40	144	85	70	57	46	144	93	77	63	51
July 2026	131	66	52	40	31	153	78	61	47	36	153	88	68	53	41
July 2027	136	59	43	32	23	163	71	53	38	28	162	82	60	44	32
July 2028	141	52	36	24	16	173	64	45	30	20	2	1	1	0	0
July 2029	145	44	29	18	11	184	57	37	23	14	1	0	0	0	0
July 2030	151	38	23	13	8	8	2	1	1	0	1	0	0	0	0
July 2031	156	32	18	9	5	1	0	0	0	0	0	0	0	0	0
July 2032	162	26	13	7	3	1	0	0	0	0	0	0	0	0	0
July 2033	167	22	10	4	2	0	0	0	0	0	0	0	0	0	0
July 2034	173	17	7	3	1	0	0	0	0	0	0	0	0	0	0
July 2035	179	14	5	2	1	0	0	0	0	0	0	0	0	0	0
July 2036	45	3	1	0	0	0	0	0	0	0	0	0	0	0	0
July 2037	7	0	0	0	0	1	0	0	0	0	0	0	0	0	0
July 2038	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2039	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2041	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2042	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2043	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2044	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2045	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2046	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2047	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2048 and thereafter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years) . . .	16.9	9.5	7.7	6.5	5.7	10.9	9.0	7.7	6.7	5.9	8.8	8.2	7.3	6.5	5.8

**Security Group 9
PPC Prepayment Assumption Rates**

Distribution Date	Class FN 9.34500% One-Month LIBOR 2.18000% One-Year LIBOR					Class FN 9.34500% One-Month LIBOR 5.09900% One-Year LIBOR					Class FN 9.34500% One-Month LIBOR 8.01800% One-Year LIBOR				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
Initial Percent . . .	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2020	104	101	99	98	97	105	101	100	98	97	105	101	100	98	97
July 2021	108	98	94	91	87	111	100	97	93	90	112	101	97	94	90
July 2022	112	93	87	81	76	119	98	92	86	80	120	100	94	87	82
July 2023	117	87	78	70	63	127	95	85	77	69	129	99	89	80	72
July 2024	121	80	69	60	51	136	90	78	67	57	139	96	83	72	61
July 2025	126	73	60	49	40	146	85	70	57	46	150	93	77	63	51
July 2026	131	66	52	40	31	154	78	61	47	36	161	88	68	53	41
July 2027	136	59	43	32	23	165	71	53	38	28	172	82	60	44	32
July 2028	141	52	36	24	16	176	64	45	30	20	2	1	1	0	0
July 2029	145	44	29	18	11	188	57	37	23	14	1	0	0	0	0
July 2030	151	38	23	13	8	8	2	1	1	0	1	0	0	0	0
July 2031	156	32	18	9	5	1	0	0	0	0	0	0	0	0	0
July 2032	162	26	13	7	3	1	0	0	0	0	0	0	0	0	0
July 2033	167	22	10	4	2	0	0	0	0	0	0	0	0	0	0
July 2034	173	17	7	3	1	0	0	0	0	0	0	0	0	0	0
July 2035	179	14	5	2	1	0	0	0	0	0	0	0	0	0	0
July 2036	45	3	1	0	0	1	0	0	0	0	0	0	0	0	0
July 2037	7	0	0	0	0	1	0	0	0	0	0	0	0	0	0
July 2038	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2039	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2041	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2042	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2043	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2044	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2045	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2046	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2047	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
July 2048 and thereafter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years) . . .	16.9	9.5	7.7	6.5	5.7	10.9	9.0	7.7	6.7	5.9	8.8	8.2	7.3	6.5	5.8

**Security Group 9
PPC Prepayment Assumption Rates**

Distribution Date	Class NI*					Class NI*					Class NI*				
	2.35000% One-Month LIBOR					2.35000% One-Month LIBOR					2.35000% One-Month LIBOR				
	2.18000% One-Year LIBOR					5.09900% One-Year LIBOR					8.01800% One-Year LIBOR				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2020	104	101	99	98	97	105	101	100	99	97	105	101	100	99	97
July 2021	108	98	94	91	87	111	100	97	93	90	112	101	97	94	90
July 2022	113	93	87	81	76	119	98	92	86	80	121	100	94	88	82
July 2023	117	87	78	70	63	127	95	85	77	69	133	99	89	80	72
July 2024	121	80	69	60	51	136	90	78	67	57	146	97	83	72	61
July 2025	126	73	60	49	40	146	85	70	57	46	160	93	77	63	51
July 2026	131	66	52	40	31	154	78	61	47	36	174	88	69	53	41
July 2027	136	59	43	32	23	165	71	53	38	28	190	82	60	44	32
July 2028	141	52	36	24	16	176	64	45	30	20	2	1	1	0	0
July 2029	145	44	29	18	11	188	57	37	23	14	1	0	0	0	0
July 2030	151	38	23	13	8	8	2	1	1	0	2	0	0	0	0
July 2031	157	32	18	10	5	1	0	0	0	0	0	0	0	0	0
July 2032	162	26	13	7	3	1	0	0	0	0	0	0	0	0	0
July 2033	168	22	10	4	2	0	0	0	0	0	1	0	0	0	0
July 2034	173	17	7	3	1	0	0	0	0	0	0	0	0	0	0
July 2035	179	14	5	2	1	0	0	0	0	0	0	0	0	0	0
July 2036	45	3	1	0	0	1	0	0	0	0	0	0	0	0	0
July 2037	7	0	0	0	0	1	0	0	0	0	0	0	0	0	0
July 2038	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2039	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2041	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
July 2042	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
July 2043	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2044	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2045	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2046	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2047	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
July 2048 and thereafter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	16.9	9.5	7.7	6.5	5.7	10.9	9.0	7.7	6.7	5.9	8.8	8.2	7.3	6.5	5.8

PPC Prepayment Assumption Rates

Distribution Date	Class NI*					Class NI*					Class NI*				
	5.84750% One-Month LIBOR					5.84750% One-Month LIBOR					5.84750% One-Month LIBOR				
	2.18000% One-Year LIBOR					5.09900% One-Year LIBOR					8.01800% One-Year LIBOR				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2020	104	101	99	98	97	105	101	100	99	97	105	101	100	99	97
July 2021	108	98	94	91	87	111	100	97	93	90	112	101	97	94	90
July 2022	113	93	87	81	76	119	98	92	86	80	121	100	94	88	82
July 2023	117	87	78	70	63	127	95	85	77	69	133	99	89	80	72
July 2024	121	80	69	60	51	136	90	78	67	57	146	97	83	72	61
July 2025	126	73	60	49	40	146	85	70	57	46	160	93	77	63	51
July 2026	131	66	52	40	31	154	78	61	47	36	174	88	69	53	41
July 2027	136	59	43	32	23	165	71	53	38	28	190	82	60	44	32
July 2028	141	52	36	24	16	176	64	45	30	20	2	1	1	0	0
July 2029	145	44	29	18	11	188	57	37	23	14	1	0	0	0	0
July 2030	151	38	23	13	8	8	2	1	1	0	2	0	0	0	0
July 2031	157	32	18	10	5	1	0	0	0	0	0	0	0	0	0
July 2032	162	26	13	7	3	1	0	0	0	0	0	0	0	0	0
July 2033	168	22	10	4	2	0	0	0	0	0	1	0	0	0	0
July 2034	173	17	7	3	1	0	0	0	0	0	0	0	0	0	0
July 2035	179	14	5	2	1	0	0	0	0	0	0	0	0	0	0
July 2036	45	3	1	0	0	1	0	0	0	0	0	0	0	0	0
July 2037	7	0	0	0	0	1	0	0	0	0	0	0	0	0	0
July 2038	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2039	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2041	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
July 2042	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
July 2043	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2044	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2045	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2046	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2047	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
July 2048 and thereafter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	16.9	9.5	7.7	6.5	5.7	10.9	9.0	7.7	6.7	5.9	8.8	8.2	7.3	6.5	5.8

* The decrement tables for Class NI reflect only the Class NI Notional Balance at various rates of PPC and at various levels of One-Month LIBOR and One-Year LIBOR. In addition to the current interest accrual amount on the Class NI Notional Balance at the Class NI Interest Rate, Class NI is entitled to the Class NI Deferred Interest Amount. No representation is made about the timing of distributions of the Class NI Deferred Interest Amount other than that such amount will be paid no later than the Final Distribution Date for Class NI.

**Security Group 9
PPC Prepayment Assumption Rates**

Distribution Date	Class NI* 9.34500% One-Month LIBOR 2.18000% One-Year LIBOR					Class NI* 9.34500% One-Month LIBOR 5.09900% One-Year LIBOR					Class NI* 9.34500% One-Month LIBOR 8.01800% One-Year LIBOR				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
Initial Percent . . .	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2020	104	101	99	98	97	105	101	100	99	97	105	101	100	99	97
July 2021	108	98	94	91	87	111	100	97	93	90	112	101	97	94	90
July 2022	113	93	87	81	76	119	98	92	86	80	121	100	94	88	82
July 2023	117	87	78	70	63	127	95	85	77	69	133	99	89	80	72
July 2024	121	80	69	60	51	136	90	78	67	57	146	97	83	72	61
July 2025	126	73	60	49	40	146	85	70	57	46	160	93	77	63	51
July 2026	131	66	52	40	31	154	78	61	47	36	174	88	69	53	41
July 2027	136	59	43	32	23	165	71	53	38	28	190	82	60	44	32
July 2028	141	52	36	24	16	176	64	45	30	20	2	1	1	0	0
July 2029	145	44	29	18	11	188	57	37	23	14	1	0	0	0	0
July 2030	151	38	23	13	8	8	2	1	1	0	2	0	0	0	0
July 2031	157	32	18	10	5	1	0	0	0	0	0	0	0	0	0
July 2032	162	26	13	7	3	1	0	0	0	0	0	0	0	0	0
July 2033	168	22	10	4	2	0	0	0	0	0	1	0	0	0	0
July 2034	173	17	7	3	1	0	0	0	0	0	0	0	0	0	0
July 2035	179	14	5	2	1	0	0	0	0	0	0	0	0	0	0
July 2036	45	3	1	0	0	1	0	0	0	0	0	0	0	0	0
July 2037	7	0	0	0	0	1	0	0	0	0	0	0	0	0	0
July 2038	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2039	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2041	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
July 2042	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
July 2043	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2044	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2045	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2046	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2047	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
July 2048 and thereafter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years) . . .	16.9	9.5	7.7	6.5	5.7	10.9	9.0	7.7	6.7	5.9	8.8	8.2	7.3	6.5	5.8

* The decrement tables for Class NI reflect only the Class NI Notional Balance at various rates of PPC and at various levels of One-Month LIBOR and One-Year LIBOR. In addition to the current interest accrual amount on the Class NI Notional Balance at the Class NI Interest Rate, Class NI is entitled to the Class NI Deferred Interest Amount. No representation is made about the timing of distributions of the Class NI Deferred Interest Amount other than that such amount will be paid no later than the Final Distribution Date for Class NI.

**Security Groups 7, 8 and 9
PPC Prepayment Assumption Rates**

Distribution Date	Class IO* 2.35000% One-Month LIBOR 2.18000% One-Year LIBOR					Class IO* 2.35000% One-Month LIBOR 5.09900% One-Year LIBOR					Class IO* 2.35000% One-Month LIBOR 8.01800% One-Year LIBOR				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
Initial Percent . . .	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2020	104	101	100	99	98	104	101	100	99	98	104	101	100	99	98
July 2021	108	98	95	92	89	111	101	98	94	91	111	101	98	94	91
July 2022	113	94	88	82	77	119	99	93	87	81	121	101	95	89	83
July 2023	117	88	80	72	65	127	96	87	78	70	132	100	90	81	73
July 2024	122	81	71	61	52	136	91	79	68	59	145	97	84	73	63
July 2025	126	74	62	51	41	146	86	71	59	48	159	94	78	64	52
July 2026	131	67	53	41	32	155	79	63	49	38	173	89	70	54	42
July 2027	136	60	45	33	24	166	73	54	40	29	189	83	62	45	33
July 2028	142	53	37	25	17	177	66	46	32	21	1	1	0	0	0
July 2029	147	46	30	19	12	189	59	38	24	15	1	0	0	0	0
July 2030	152	39	24	14	8	7	2	1	1	0	1	0	0	0	0
July 2031	158	33	18	10	5	1	0	0	0	0	0	0	0	0	0
July 2032	164	27	14	7	3	1	0	0	0	0	0	0	0	0	0
July 2033	170	23	11	5	2	0	0	0	0	0	0	0	0	0	0
July 2034	175	18	8	3	1	0	0	0	0	0	0	0	0	0	0
July 2035	88	7	3	1	0	0	0	0	0	0	0	0	0	0	0
July 2036	18	1	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2037	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2038	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2039 and thereafter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years) . . .	16.4	9.5	7.8	6.6	5.8	10.6	8.9	7.8	6.8	6.0	8.6	8.1	7.3	6.5	5.9

PPC Prepayment Assumption Rates

Distribution Date	Class IO* 5.84750% One-Month LIBOR 2.18000% One-Year LIBOR					Class IO* 5.84750% One-Month LIBOR 5.09900% One-Year LIBOR					Class IO* 5.84750% One-Month LIBOR 8.01800% One-Year LIBOR				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
Initial Percent . . .	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2020	104	101	100	99	98	104	101	100	99	98	104	101	100	99	98
July 2021	108	98	95	92	89	111	101	98	94	91	111	101	98	94	91
July 2022	113	94	88	82	77	119	99	93	87	81	121	101	95	89	83
July 2023	117	88	80	72	65	127	96	87	78	70	132	100	90	81	73
July 2024	122	81	71	61	52	136	91	79	68	59	145	97	84	73	63
July 2025	126	74	62	51	41	146	86	71	59	48	159	94	78	64	52
July 2026	131	67	53	41	32	155	79	63	49	38	173	89	70	54	42
July 2027	136	60	45	33	24	166	73	54	40	29	189	83	62	45	33
July 2028	142	53	37	25	17	177	66	46	32	21	1	1	0	0	0
July 2029	147	46	30	19	12	189	59	38	24	15	1	0	0	0	0
July 2030	152	39	24	14	8	7	2	1	1	0	1	0	0	0	0
July 2031	158	33	18	10	5	1	0	0	0	0	0	0	0	0	0
July 2032	164	27	14	7	3	1	0	0	0	0	0	0	0	0	0
July 2033	170	23	11	5	2	0	0	0	0	0	0	0	0	0	0
July 2034	175	18	8	3	1	0	0	0	0	0	0	0	0	0	0
July 2035	88	7	3	1	0	0	0	0	0	0	0	0	0	0	0
July 2036	18	1	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2037	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2038	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2039 and thereafter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years) . . .	16.4	9.5	7.8	6.6	5.8	10.6	8.9	7.8	6.8	6.0	8.6	8.1	7.3	6.5	5.9

* The decrement tables for Class IO reflect only the Class IO Notional Balance at various rates of PPC and at various levels of One-Month LIBOR and One-Year LIBOR. In addition to the current interest accrual amount on the Class IO Notional Balance at the Class IO Interest Rate, Class IO is entitled to the Class IO Deferred Interest Amount. No representation is made about the timing of distributions of the Class IO Deferred Interest Amount other than that such amount will be paid no later than the Final Distribution Date for Class IO.

**Security Groups 7, 8 and 9
PPC Prepayment Assumption Rates**

Distribution Date	Class IO* 9.34500% One-Month LIBOR 2.18000% One-Year LIBOR					Class IO* 9.34500% One-Month LIBOR 5.09900% One-Year LIBOR					Class IO* 9.34500% One-Month LIBOR 8.01800% One-Year LIBOR				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
Initial Percent . . .	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2020	104	101	100	99	98	104	101	100	99	98	104	101	100	99	98
July 2021	108	98	95	92	89	111	101	98	94	91	111	101	98	94	91
July 2022	113	94	88	82	77	119	99	93	87	81	121	101	95	89	83
July 2023	117	88	80	72	65	127	96	87	78	70	132	100	90	81	73
July 2024	122	81	71	61	52	136	91	79	68	59	145	97	84	73	63
July 2025	126	74	62	51	41	146	86	71	59	48	159	94	78	64	52
July 2026	131	67	53	41	32	155	79	63	49	38	173	89	70	54	42
July 2027	136	60	45	33	24	166	73	54	40	29	189	83	62	45	33
July 2028	142	53	37	25	17	177	66	46	32	21	1	1	0	0	0
July 2029	147	46	30	19	12	189	59	38	24	15	1	0	0	0	0
July 2030	152	39	24	14	8	7	2	1	1	0	1	0	0	0	0
July 2031	158	33	18	10	5	1	0	0	0	0	0	0	0	0	0
July 2032	164	27	14	7	3	1	0	0	0	0	0	0	0	0	0
July 2033	170	23	11	5	2	0	0	0	0	0	0	0	0	0	0
July 2034	175	18	8	3	1	0	0	0	0	0	0	0	0	0	0
July 2035	88	7	3	1	0	0	0	0	0	0	0	0	0	0	0
July 2036	18	1	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2037	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2038	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July 2039 and thereafter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	16.4	9.5	7.8	6.6	5.8	10.6	8.9	7.8	6.8	6.0	8.6	8.1	7.3	6.5	5.9

* The decrement tables for Class IO reflect only the Class IO Notional Balance at various rates of PPC and at various levels of One-Month LIBOR and One-Year LIBOR. In addition to the current interest accrual amount on the Class IO Notional Balance at the Class IO Interest Rate, Class IO is entitled to the Class IO Deferred Interest Amount. No representation is made about the timing of distributions of the Class IO Deferred Interest Amount other than that such amount will be paid no later than the Final Distribution Date for Class IO.

Security Group 10
PPC Prepayment Assumption Rates

Distribution Date	Class JA					Class JI*					Class JZ				
	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%	0%	75%	100%	125%	150%
Initial Percent . . .	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
July 2020	90	80	76	72	69	91	80	76	72	69	105	105	105	105	105
July 2021	72	56	51	46	42	73	56	51	46	42	109	109	109	109	109
July 2022	74	50	43	37	31	77	50	43	37	31	115	115	115	115	115
July 2023	71	42	33	26	20	75	42	33	26	20	120	120	120	120	120
July 2024	46	22	16	11	7	49	22	16	11	7	125	125	125	125	125
July 2025	0	0	0	0	0	0	0	0	0	0	33	15	11	9	6
July 2026 and thereafter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years) . . .	4.0	3.0	2.7	2.4	2.2	4.0	3.0	2.7	2.4	2.2	6.0	5.9	5.9	5.9	5.8

* The decrement table for Class JI reflects only the Class JI Notional Balance at various rates of PPC. In addition to the current interest accrual amount on the Class JI Notional Balance at the Class JI Interest Rate, Class JI is entitled to the Class JI Deferred Interest Amount. No representation is made about the timing of distributions of the Class JI Deferred Interest Amount other than that such amount will be paid no later than the Final Distribution Date for Class JI.

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 Maturity Events and deferrals of Maturity Events in respect of the HECMs related to the Participations underlying the HECM MBS, the investor's own projection of prepayments in respect of the HECMs related to the Participations underlying the HECM MBS, the investor's own projection of the occurrence of any Ginnie Mae Issuer Purchase Events, the investor's own projection of draw activity with respect to the HECMs, in the case of the Group 1 through 3 and 6 through 9 Securities, the investor's own projection of One-Month LIBOR under a variety of scenarios, and in the case of the Group 1 through 9 Securities, the investor's own projection of One-Year LIBOR under a variety of scenarios. **No representation is made regarding Maturity Events or prepayments in respect of the HECMs related to the Participations underlying the HECM MBS, the occurrence of any Ginnie Mae Issuer Purchase Events, One-Month LIBOR levels, One-Year LIBOR levels, draw activity with respect to the HECMs, or the yield on any Class.**

Prepayments: Effect on Yields

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

- In the case of Regular 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 or MX Securities purchased at a discount, slower than anticipated rates of principal payments could result in actual yields to investors that are lower than the anticipated yields.

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

Rapid rates of prepayments on the HECMs 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 HECMs 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 HECMs will not prepay at any constant rate until maturity, nor will all of the HECMs 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 related HECMs, 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.

One-Month LIBOR and One-Year LIBOR: Effect on Yields of the Floating Rate Classes

Low levels of One-Month LIBOR and One-Year LIBOR, as applicable, can reduce the yield of the Floating Rate Classes. In addition, the Floating Rate Classes will not necessarily benefit from a higher yield at high levels of One-Month LIBOR and One-Year LIBOR, as applicable, because the rate on such Classes is capped at a maximum rate described under “Terms Sheet — Interest Rates.”

Payment Delay: Effect on Yields of the Fixed Rate 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 will accrue with respect to) 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 PPC, in the case of Class DI and EI, at various constant levels of One-Year LIBOR and in the case of Classes AI, BI, CI, GI, IB, IO, LI, MI and NI, at various constant levels of One-Month LIBOR and One-Year LIBOR.

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

The yields were calculated by

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

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

The information set forth in the following tables was prepared on the basis of the Modeling Assumptions and the assumptions that (1) the Interest Rate applicable to Classes FA, FB, FC, FG, FL, FM and FN for each Accrual Period following the first Accrual Period will be based on the indicated level of One-Month LIBOR, (2) the Interest Rate applicable to Classes EF, FD and FE for each Accrual Period beginning with the Accrual Period related to the Distribution Date in August 2020 will be based on the indicated level of One-Year LIBOR, (3) the HECM MBS Rates applicable to the Group 1 through 9 Trust Assets for each Accrual Period following the applicable Approximate Weighted Average Next Rate Reset Month shown in Exhibit A will be based on the indicated level of One-Year LIBOR and (4) the purchase price of each Class (expressed as a percentage of its original Class Notional Balance) plus accrued interest is as indicated in the related table. **The assumed purchase price is not necessarily that at which actual sales will occur.**

SECURITY GROUP 1

Sensitivity of Class AI to Prepayments

Assumed Price 8.1%*

2.18000% One-Year LIBOR

One-Month LIBOR	PPC Prepayment Assumption Rates			
	75%	100%	125%	150%
2.35000%	(3.3)%	(7.0)%	(10.8)%	(14.5)%
5.84750%	(34.6)%	(38.6)%	(42.9)%	(47.3)%
9.34500%	(34.6)%	(38.6)%	(42.9)%	(47.3)%

Sensitivity of Class AI to Prepayments

Assumed Price 8.1%*

5.09900% One-Year LIBOR

One-Month LIBOR	PPC Prepayment Assumption Rates			
	75%	100%	125%	150%
2.35000%	32.0%	29.6%	26.8%	24.0%
5.84750%	(33.1)%	(36.2)%	(39.4)%	(42.7)%
9.34500%	(43.8)%	(47.0)%	(50.3)%	(53.9)%

Sensitivity of Class AI to Prepayments

Assumed Price 8.1%*

8.01800% One-Year LIBOR

One-Month LIBOR	PPC Prepayment Assumption Rates			
	75%	100%	125%	150%
2.35000%	43.6%	41.3%	38.6%	35.8%
5.84750%	11.0%	8.0%	4.9%	1.8%
9.34500%	(0.3)%	(3.3)%	(6.3)%	(9.4)%

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

SECURITY GROUP 2

Sensitivity of Class BI to Prepayments

Assumed Price 7.8%*

2.18000% One-Year LIBOR

<u>One-Month LIBOR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
2.35000%	(3.5)%	(7.2)%	(11.0)%	(14.8)%
5.84750%	(34.8)%	(38.8)%	(42.9)%	(47.3)%
9.34500%	(34.8)%	(38.8)%	(42.9)%	(47.3)%

Sensitivity of Class BI to Prepayments

Assumed Price 7.8%*

5.09900% One-Year LIBOR

<u>One-Month LIBOR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
2.35000%	32.8%	30.5%	27.7%	24.9%
5.84750%	(36.1)%	(39.3)%	(42.5)%	(45.9)%
9.34500%	(44.0)%	(47.2)%	(50.4)%	(53.8)%

Sensitivity of Class BI to Prepayments

Assumed Price 7.8%*

8.01800% One-Year LIBOR

<u>One-Month LIBOR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
2.35000%	44.6%	42.3%	39.6%	36.8%
5.84750%	11.3%	8.3%	5.3%	2.2%
9.34500%	0.3%	(2.7)%	(5.7)%	(8.8)%

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

SECURITY GROUP 3

Sensitivity of Class CI to Prepayments

Assumed Price 7.0%*

2.18000% One-Year LIBOR

One-Month LIBOR	PPC Prepayment Assumption Rates			
	75%	100%	125%	150%
2.35000%	(6.1)%	(10.1)%	(14.1)%	(18.1)%
5.84750%	(34.8)%	(39.2)%	(43.9)%	(48.9)%
9.34500%	(34.8)%	(39.2)%	(43.9)%	(48.9)%

Sensitivity of Class CI to Prepayments

Assumed Price 7.0%*

5.09900% One-Year LIBOR

One-Month LIBOR	PPC Prepayment Assumption Rates			
	75%	100%	125%	150%
2.35000%	35.8%	33.4%	30.6%	27.7%
5.84750%	(44.4)%	(48.0)%	(51.9)%	(56.1)%
9.34500%	(44.5)%	(48.1)%	(51.9)%	(56.1)%

Sensitivity of Class CI to Prepayments

Assumed Price 7.0%*

8.01800% One-Year LIBOR

One-Month LIBOR	PPC Prepayment Assumption Rates			
	75%	100%	125%	150%
2.35000%	49.2%	46.9%	44.1%	41.2%
5.84750%	13.2%	10.2%	7.1%	3.9%
9.34500%	1.4%	(1.6)%	(4.7)%	(7.8)%

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

SECURITY GROUP 4

Sensitivity of Class DI to Prepayments Assumed Price 8.0%*

<u>One-Year LIBOR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
2.18000%	6.6%	3.1%	(0.5)%	(4.2)%
3.18000%	7.3%	3.9%	0.4%	(3.2)%
4.80633%	7.8%	4.7%	1.4%	(2.0)%
6.43267%	3.9%	0.6%	(2.7)%	(6.0)%
8.05900%	10.3%	7.3%	4.1%	0.8%

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

SECURITY GROUP 5

Sensitivity of Class EI to Prepayments Assumed Price 11.75%*

<u>One-Year LIBOR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
2.18000%	2.1%	(2.2)%	(6.6)%	(11.0)%
3.18000%	1.9%	(2.3)%	(6.5)%	(10.8)%
4.80633%	1.5%	(2.4)%	(6.5)%	(10.6)%
6.43267%	(4.0)%	(7.8)%	(11.7)%	(15.6)%
8.05900%	(10.6)%	(14.3)%	(18.0)%	(21.8)%

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

SECURITY GROUP 6

Sensitivity of Class GI to Prepayments

Assumed Price 11.25%*

2.18000% One-Year LIBOR

<u>One-Month LIBOR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
2.35000%	0.4%	(4.0)%	(8.4)%	(13.0)%
5.84750%	**	**	**	**
9.34500%	**	**	**	**

Sensitivity of Class GI to Prepayments

Assumed Price 11.25%*

5.09900% One-Year LIBOR

<u>One-Month LIBOR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
2.35000%	29.7%	25.3%	20.8%	16.3%
5.84750%	(17.8)%	(21.6)%	(25.5)%	(29.5)%
9.34500%	(77.2)%	(80.0)%	(82.9)%	(85.9)%

Sensitivity of Class GI to Prepayments

Assumed Price 11.25%*

8.01800% One-Year LIBOR

<u>One-Month LIBOR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
2.35000%	40.1%	35.7%	31.1%	26.5%
5.84750%	3.8%	(0.2)%	(4.3)%	(8.4)%
9.34500%	(9.9)%	(13.7)%	(17.6)%	(21.6)%

* 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 7

Sensitivity of Class LI to Prepayments

Assumed Price 6.0%*

2.18000% One-Year LIBOR

One-Month LIBOR	PPC Prepayment Assumption Rates			
	75%	100%	125%	150%
2.35000%	(3.2)%	(7.2)%	(11.1)%	(15.1)%
5.84750%	(33.0)%	(37.5)%	(42.4)%	(47.8)%
9.34500%	(33.0)%	(37.5)%	(42.4)%	(47.8)%

Sensitivity of Class LI to Prepayments

Assumed Price 6.0%*

5.09900% One-Year LIBOR

One-Month LIBOR	PPC Prepayment Assumption Rates			
	75%	100%	125%	150%
2.35000%	42.0%	39.9%	37.2%	34.4%
5.84750%	(41.1)%	(44.9)%	(49.1)%	(53.6)%
9.34500%	(41.1)%	(44.9)%	(49.1)%	(53.6)%

Sensitivity of Class LI to Prepayments

Assumed Price 6.0%*

8.01800% One-Year LIBOR

One-Month LIBOR	PPC Prepayment Assumption Rates			
	75%	100%	125%	150%
2.35000%	56.2%	54.2%	51.5%	48.6%
5.84750%	18.1%	14.9%	11.7%	8.4%
9.34500%	(47.2)%	(50.8)%	(54.8)%	(59.2)%

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

SECURITY GROUP 8

Sensitivity of Class MI to Prepayments

Assumed Price 8.4%*

2.1800% One-Year LIBOR

<u>One-Month LIBOR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
2.35000%	(0.9)%	(4.5)%	(8.1)%	(11.7)%
5.84750%	(34.1)%	(37.7)%	(41.5)%	(45.4)%
9.34500%	(34.1)%	(37.7)%	(41.5)%	(45.4)%

Sensitivity of Class MI to Prepayments

Assumed Price 8.4%*

5.09900% One-Year LIBOR

<u>One-Month LIBOR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
2.35000%	31.6%	29.4%	26.7%	23.9%
5.84750%	(23.1)%	(26.2)%	(29.3)%	(32.4)%
9.34500%	(42.8)%	(45.5)%	(48.4)%	(51.3)%

Sensitivity of Class MI to Prepayments

Assumed Price 8.4%*

8.01800% One-Year LIBOR

<u>One-Month LIBOR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
2.35000%	42.1%	40.1%	37.5%	34.7%
5.84750%	10.9%	7.9%	4.9%	1.9%
9.34500%	1.0%	(1.9)%	(4.9)%	(8.0)%

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

SECURITY GROUPS 7 and 8

Sensitivity of Class IB to Prepayments

Assumed Price 7.75%*

2.18000% One-Year LIBOR

<u>One-Month LIBOR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
2.35000%	(1.3)%	(4.9)%	(8.5)%	(12.2)%
5.84750%	(33.8)%	(37.6)%	(41.6)%	(45.8)%
9.34500%	(33.8)%	(37.6)%	(41.6)%	(45.8)%

Sensitivity of Class IB to Prepayments

Assumed Price 7.75%*

5.09900% One-Year LIBOR

<u>One-Month LIBOR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
2.35000%	33.9%	31.7%	29.0%	26.2%
5.84750%	(25.3)%	(28.3)%	(31.5)%	(34.7)%
9.34500%	(42.4)%	(45.4)%	(48.4)%	(51.7)%

Sensitivity of Class IB to Prepayments

Assumed Price 7.75%*

8.01800% One-Year LIBOR

<u>One-Month LIBOR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
2.35000%	45.2%	43.2%	40.6%	37.8%
5.84750%	12.6%	9.6%	6.5%	3.4%
9.34500%	(2.8)%	(5.7)%	(8.7)%	(11.7)%

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

SECURITY GROUP 9

Sensitivity of Class NI to Prepayments

Assumed Price 6.3%*

2.18000% One-Year LIBOR

<u>One-Month LIBOR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
2.35000%	4.6%	1.1%	(2.5)%	(6.2)%
5.84750%	(32.0)%	(36.8)%	(42.3)%	(48.5)%
9.34500%	(32.0)%	(36.8)%	(42.3)%	(48.5)%

Sensitivity of Class NI to Prepayments

Assumed Price 6.3%*

5.09900% One-Year LIBOR

<u>One-Month LIBOR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
2.35000%	45.2%	43.3%	40.7%	37.9%
5.84750%	(18.4)%	(21.8)%	(25.4)%	(29.1)%
9.34500%	(39.6)%	(44.0)%	(48.8)%	(54.6)%

Sensitivity of Class NI to Prepayments

Assumed Price 6.3%*

8.01800% One-Year LIBOR

<u>One-Month LIBOR</u>	<u>PPC Prepayment Assumption Rates</u>			
	<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
2.35000%	58.5%	56.6%	54.0%	51.1%
5.84750%	20.1%	16.9%	13.7%	10.4%
9.34500%	9.1%	5.9%	2.7%	(0.6)%

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

SECURITY GROUPS 7, 8 and 9

Sensitivity of Class IO to Prepayments

Assumed Price 7.3%*

2.18000% One-Year LIBOR

One-Month LIBOR	PPC Prepayment Assumption Rates			
	75%	100%	125%	150%
2.35000%	0.4%	(3.2)%	(6.9)%	(10.6)%
5.84750%	(33.2)%	(37.4)%	(41.8)%	(46.4)%
9.34500%	(33.2)%	(37.4)%	(41.8)%	(46.4)%

Sensitivity of Class IO to Prepayments

Assumed Price 7.3%*

5.09900% One-Year LIBOR

One-Month LIBOR	PPC Prepayment Assumption Rates			
	75%	100%	125%	150%
2.35000%	37.0%	34.8%	32.1%	29.3%
5.84750%	(23.0)%	(26.2)%	(29.5)%	(32.9)%
9.34500%	(41.5)%	(45.0)%	(48.6)%	(52.4)%

Sensitivity of Class IO to Prepayments

Assumed Price 7.3%*

8.01800% One-Year LIBOR

One-Month LIBOR	PPC Prepayment Assumption Rates			
	75%	100%	125%	150%
2.35000%	48.9%	46.9%	44.2%	41.4%
5.84750%	14.8%	11.7%	8.6%	5.4%
9.34500%	1.1%	(1.9)%	(5.0)%	(8.1)%

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

SECURITY GROUP 10
Sensitivity of Class JI to Prepayments
Assumed Price 5.75%*

PPC Prepayment Assumption Rates			
<u>75%</u>	<u>100%</u>	<u>125%</u>	<u>150%</u>
1.9%	(3.4)%	(9.0)%	(15.1)%

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

CERTAIN UNITED STATES FEDERAL INCOME TAX CONSEQUENCES

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

REMIC Elections

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

Regular Securities

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

The Notional and HECM MBS Accrual Classes of Regular Securities will be issued with original issue discount (“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, among other things, in determining the rates of accrual of OID on the Regular Securities is 100% PPC (as described in “Yield, Maturity and Prepayment Considerations” in this Supplement). 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 HECMs underlying any Group of Participations actually will occur or the level of One-Month LIBOR or One-Year LIBOR at any time after the date of this Supplement. See “*Certain United States Federal Income Tax Consequences*” in the Base Offering Circular. In view of the complexities as to the manner of inclusion in income of OID on the Regular Securities, investors should consult their own tax advisors to determine the appropriate amount and method of inclusion in income of OID on the Regular Securities for United States federal income tax purposes.

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.

In the case of any Trust REMIC that is considered to be a “single-class REMIC” under temporary Treasury regulations, certain fees and expenses of the single-class REMIC would be allocated proportionately among the Regular Securities and Residual Securities of such Trust REMIC. An individual, trust or estate

that holds Regular Securities in a single-class REMIC (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 fees or expenses of a single-class REMIC 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 the 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 RR Securities will represent the beneficial ownership of the Residual Interest in the Pooling REMIC and the beneficial ownership of the Residual Interest in the Issuing REMIC. The Residual Securities, i.e., the Class RR Securities, generally will be treated as “residual interests” in a REMIC for domestic building and loan associations and as “real estate assets” for REITs, as described in “Certain United States Federal Income Tax Consequences” in the Base Offering Circular, but will not be treated as debt for United States federal income tax purposes. Instead, the Holders of the Residual Securities will be required to report, and will be taxed on, their pro rata shares of the taxable income or loss of the Trust REMICs, and these requirements will continue until there are no outstanding regular interests in the respective Trust REMICs. Thus, Residual Holders will have taxable income attributable to the Residual Securities even though they will not receive principal or interest distributions with respect to the Residual Securities, which could result in a negative after-tax return for the Residual Holders. Even though the Holders of the Residual Securities are not entitled to any stated principal or interest payments on the Residual Securities, the 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.

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 Trust REMICs’ 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 from (1) July 1, 2019 on the Fixed Rate and Delay Classes and (2) July 20, 2019 on the 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 the Original Class Principal Balance (or original Class Notional Balance) 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 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 or Notional Balance	Related MX Class	Maximum Original Class Principal or Notional Balance(2)	Principal Type(3)	Interest Rate	Interest Type(3)	CUSIP Number	Final Distribution Date(4)
Security Groups 4 and 5								
Combination 1(6)								
FD	\$23,456,177	F	\$30,174,000	HPT	(5)	FLT/HWAC/HZ	38380LXJ7	July 2069
FE	6,717,823							
Security Groups 7 and 8								
Combination 2(6)								
LI	\$15,000,000	IB	\$59,086,890	NTL(HPT)	(5)	HWAC/IO/DLY	38380LXK4	July 2069
MI	44,086,890							
Security Groups 7, 8 and 9								
Combination 3(6)								
LI	\$15,000,000	IO	\$86,826,195	NTL(HPT)	(5)	HWAC/IO/DLY	38380LXL2	July 2069
MI	44,086,890							
NI	27,739,305							

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

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

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

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

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

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

Assumed Characteristics of the HECMs and the Participations Underlying the Trust Assets(1)

Group	Payment Plan	Percentage of Pool	HECM MBS Principal Balance	HECM Loan Balance	Approximate Average Age (in month/3)	HECM Interest Type	Index	Rate Frequency	Approximate Weighted Average		Approximate Weighted Average Gross Margin(4)	Approximate Average Gross Interest Rate (Floor)	Approximate Weighted Average MIP	Approximate Average Servicing Fee Margin (11)	Monthly Servicing Fee(12)	Initial Monthly Scheduled Draw(13)	Subsequent Monthly Scheduled Draw(14)	Approximate Remaining Term (in month)	Weighted Average	Available Line of Credit(17)	Maximum Claim Amount(18)	Pool Number	HECM MBS Issue Date	
									Next Rate	Next Rate														
1	Line of Credit	31.2864257688%	\$ 8,450,692.42	\$ 512,669,674.39	11	FLT	1-year LIBOR	Annually	5	4.959%	2.186%	9.959%	0.500%	0.360%	(21)	\$ 9,456,339.72	\$ 92,072,115.01	(19)	\$ 81,164,033,772.00	BN2868	July 2019			
1	Modified Tenure	31.2864257688%	235,021.77	4,922,729.44	8	FLT	1-year LIBOR	Annually	6	5.247%	2.303%	10.247%	0.500%	0.360%	(21)	\$ 49,656.00	\$ 74,591.31	(20)	\$ 97,666.69	2,644,561.53	22,115,375,000	BN2868	July 2019	
1	Modified Term	31.2864257688%	466,749.80	13,734,860.91	10	FLT	1-year LIBOR	Annually	7	5.091%	2.210%	10.092%	0.500%	0.360%	(21)	272,594.62	373,404.54	(66)	3,061,021.16	6,740,738.94	61,317,600,000	BN2868	July 2019	
1	Tenure	31.2864257688%	174,533.47	6,657,752.16	8	FLT	1-year LIBOR	Annually	6	5.077%	2.209%	10.077%	0.500%	0.360%	(21)	116,378.41	152,854.41	(20)	0.00	0.00	48,557,850,000	BN2868	July 2019	
1	Tenure	31.2864257688%	261,825.54	10,724,635.34	10	FLT	1-year LIBOR	Annually	7	5.052%	2.225%	10.052%	0.500%	0.360%	(21)	132,588.00	239,426.33	(102)	0.00	0.00	50,225,600,000	BN2868	July 2019	
1	Line of Credit	76.4143216065%	10,267,540.62	10,291,586.07	2	FLT	1-year LIBOR	Annually	12	4.383%	1.721%	9.838%	0.500%	0.360%	\$ 30.00	1,100.00	1,100.00	(19)	1,902,726.33	5,594,317.95	31,448,326,000	BN4401	June 2019	
1	Modified Tenure	76.4143216065%	337,888.65	337,826.25	2	FLT	1-year LIBOR	Annually	12	4.381%	1.946%	9.841%	0.500%	0.360%	(21)	1,100.00	1,100.00	(20)	52,456.88	77,144.28	1,056,525,000	BN4401	June 2019	
1	Modified Term	76.4143216065%	33,256.28	33,256.28	2	FLT	1-year LIBOR	Annually	12	4.677%	2.042%	9.677%	0.500%	0.360%	(21)	1,500.00	1,500.00	(115)	55,914.96	82,261.87	415,000,000	BN4401	June 2019	
1	Tenure	76.4143216065%	158,907.45	159,020.35	2	FLT	1-year LIBOR	Annually	12	5.010%	2.375%	10.010%	0.500%	0.360%	(21)	1,105.90	1,105.90	(20)	0.00	0.00	715,000,000	BN4401	June 2019	
1	Tenure	76.4143216065%	42,034.99	42,039.91	2	FLT	1-year LIBOR	Annually	12	4.885%	2.250%	9.885%	0.500%	0.360%	(21)	1,018.09	1,018.09	(37)	0.00	0.00	640,000,000	BN4401	June 2019	
1	Line of Credit	76.6797979266%	18,505,170.60	18,505,170.60	11	FLT	1-year LIBOR	Annually	11	4.192%	1.732%	9.192%	0.500%	0.360%	(21)	1,108.09	1,118.09	(19)	2,729,854.23	8,635,671.42	51,285,733,000	BN4409	July 2019	
1	Modified Term	76.6797979266%	518,660.12	518,660.12	11	FLT	1-year LIBOR	Annually	11	4.416%	2.041%	9.476%	0.500%	0.360%	(21)	5,477.34	5,477.34	(20)	378,731.19	404,906.08	2,515,000,000	BN4409	July 2019	
1	Modified Tenure	76.6797979266%	774,593.89	774,593.89	1	FLT	1-year LIBOR	Annually	11	4.073%	1.715%	9.074%	0.500%	0.360%	(21)	14,699.80	14,699.80	(128)	79,567.88	151,524.43	2,849,525,000	BN4409	July 2019	
1	Tenure	76.6797979266%	169,009.10	169,009.10	1	FLT	1-year LIBOR	Annually	11	3.846%	1.500%	8.846%	0.500%	0.360%	(21)	681.18	681.18	(20)	0.00	0.00	565,000,000	BN4409	July 2019	
1	Tenure	76.6797979266%	18,579.28	18,579.28	1	FLT	1-year LIBOR	Annually	11	4.221%	1.875%	9.221%	0.500%	0.360%	(21)	1,000.00	1,000.00	(217)	0.00	0.00	390,000,000	BN4409	July 2019	
1	Line of Credit	75.672712149%	14,394,971.14	14,394,971.14	1	FLT	1-year LIBOR	Annually	11	4.397%	1.984%	9.396%	0.500%	0.360%	(21)	1,794,189.57	4,577,171.44	(19)	1,794,189.57	4,577,171.44	40,682,862,000	BO1444	July 2019	
1	Modified Tenure	75.672712149%	11,598.21	11,598.21	2	FLT	1-year LIBOR	Annually	11	5.166%	2.500%	10.135%	0.500%	0.360%	(21)	350.00	350.00	(20)	(22)	(22)	178,000,000	BO1444	July 2019	
1	Modified Term	75.672712149%	408,672.55	408,672.55	1	FLT	1-year LIBOR	Annually	11	4.123%	1.880%	9.122%	0.500%	0.360%	(21)	1,750.00	1,750.00	(61)	(22)	(22)	726,525,000	BO1444	July 2019	
1	Tenure	75.672712149%	149,121.55	149,121.55	1	FLT	1-year LIBOR	Annually	11	5.025%	2.403%	10.025%	0.500%	0.360%	(21)	1,011.54	1,011.54	(20)	0.00	0.00	715,000,000	BO1444	July 2019	
1	Tenure	75.672712149%	182,638.55	182,638.55	1	FLT	1-year LIBOR	Annually	11	3.898%	1.599%	8.898%	0.500%	0.360%	(21)	6,441.53	6,441.53	(118)	0.00	0.00	1,715,525,000	BO1444	July 2019	
2	Line of Credit	31.2864257688%	8,450,692.42	512,669,674.39	11	FLT	1-year LIBOR	Annually	9	4.960%	2.186%	9.959%	0.500%	0.360%	(21)	(19)	9,456,339.72	92,072,115.01	(19)	9,456,339.72	92,072,115.01	1,164,033,772.00	BN2868	July 2019
2	Modified Tenure	31.2864257688%	235,021.77	4,922,729.44	8	FLT	1-year LIBOR	Annually	6	5.248%	2.303%	10.347%	0.500%	0.360%	(21)	49,656.00	74,591.31	(20)	97,666.69	2,644,561.53	22,115,375,000	BN2868	July 2019	
2	Modified Term	31.2864257688%	466,749.80	13,734,860.91	10	FLT	1-year LIBOR	Annually	6	5.092%	2.210%	10.092%	0.500%	0.360%	(21)	272,594.62	373,404.54	(66)	3,061,021.16	6,740,738.94	61,317,600,000	BN2868	July 2019	
2	Tenure	31.2864257688%	174,533.47	6,657,752.16	8	FLT	1-year LIBOR	Annually	7	5.078%	2.209%	10.077%	0.500%	0.360%	(21)	116,378.41	152,854.41	(20)	0.00	0.00	48,557,850,000	BN2868	July 2019	
2	Tenure	31.2864257688%	261,825.54	10,724,635.34	10	FLT	1-year LIBOR	Annually	7	5.053%	2.225%	10.052%	0.500%	0.360%	(21)	132,588.00	239,426.33	(102)	0.00	0.00	50,225,600,000	BN2868	July 2019	
2	Line of Credit	23.5886780267%	10,267,540.62	10,291,586.07	2	FLT	1-year LIBOR	Annually	12	4.384%	1.721%	9.838%	0.500%	0.360%	30.00	1,100.00	1,100.00	(20)	1,902,726.33	5,594,317.95	31,448,326,000	BN4401	June 2019	
2	Modified Tenure	23.5886780267%	337,888.65	337,826.25	2	FLT	1-year LIBOR	Annually	12	4.582%	1.946%	9.841%	0.500%	0.360%	(21)	1,100.00	1,100.00	(20)	52,456.88	77,144.28	1,056,525,000	BN4401	June 2019	
2	Modified Term	23.5886780267%	33,254.88	33,254.88	2	FLT	1-year LIBOR	Annually	12	4.678%	2.042%	9.677%	0.500%	0.360%	(21)	1,500.00	1,500.00	(115)	55,914.96	82,261.87	415,000,000	BN4401	June 2019	
2	Tenure	23.5886780267%	158,907.45	159,020.35	2	FLT	1-year LIBOR	Annually	12	5.011%	2.375%	10.010%	0.500%	0.360%	(21)	1,105.90	1,105.90	(20)	0.00	0.00	715,000,000	BN4401	June 2019	
2	Tenure	23.5886780267%	42,034.99	42,034.99	2	FLT	1-year LIBOR	Annually	12	4.886%	2.250%	9.885%	0.500%	0.360%	(21)	1,018.09	1,018.09	(37)	0.00	0.00	640,000,000	BN4401	June 2019	
2	Line of Credit	23.5320219566%	18,505,170.61	18,505,170.61	11	FLT	1-year LIBOR	Annually	11	4.193%	1.732%	9.192%	0.500%	0.360%	(21)	(19)	2,729,854.23	8,635,671.42	(19)	2,729,854.23	8,635,671.42	51,285,733,000	BN4409	July 2019
2	Modified Tenure	23.5320219566%	518,660.12	518,660.12	11	FLT	1-year LIBOR	Annually	11	4.417%	2.041%	9.476%	0.500%	0.360%	(21)	5,477.34	5,477.34	(20)	378,731.19	404,906.08	2,515,000,000	BN4409	July 2019	
2	Modified Term	23.5320219566%	774,593.89	774,593.89	1	FLT	1-year LIBOR	Annually	11	4.074%	1.715%	9.076%	0.500%	0.360%	(21)	14,699.80	14,699.80	(128)	79,567.88	151,524.43	2,849,525,000	BN4409	July 2019	
2	Tenure	23.5320219566%	169,009.10	169,009.10	1	FLT	1-year LIBOR	Annually	11	3.847%	1.500%	8.846%	0.500%	0.360%	(21)	681.18	681.18	(20)	0.00	0.00	565,000,000	BN4409	July 2019	
2	Tenure	23.5320219566%	18,579.28	18,579.28	1	FLT	1-year LIBOR	Annually	11	4.222%	1.875%	9.221%	0.500%	0.360%	(21)	1,000.00	1,000.00	(217)	0.00	0.00	390,000,000	BN4409	July 2019	
2	Line of Credit	100%	8,463,209.09	8,463,209.09	1	FLT	1-year LIBOR	Annually	11	4.010%	1.721%	9.000%	0.500%	0.360%	(21)	(19)	1,221,862.59	3,833,278.20	(21)	1,221,862.59	3,833,278.20	23,468,374,000	BN4410	June 2019
2	Modified Tenure	100%	63,202.97	63,202.97	1	FLT	1-year LIBOR	Annually	11	4.877%	2.565%	9.876%	0.500%	0.360%	(21)	2,408.31	2,408.31	(20)	245,991.99	299,702.19	1,141,535,000	BN4409	July 2019	
2	Modified Term	100%	394,779.94	394,779.94	1	FLT	1-year LIBOR	Annually	11	3.691%	1.444%	8.691%	0.500%	0.360%	(21)	16,515.43	16,515.43	(122)	95,359.04	96,324.65	2,384,050,000	BN4409	July 2019	
2	Line of Credit	100%	14,681,884.21	14,681,884.21	1	FLT	1-year LIBOR	Annually	11	4.488%	1.909%	9.488%	0.500%	0.360%	(21)	(19)	1,884,028.36	5,494,160.81	(22)	(22)	(22)	41,701,278,000	BN4142	July 2019
2	Modified Tenure	100%	126,130.88	126,130.88	1	FLT	1-year LIBOR	Annually	11	4.228%	1.724%	9.228%	0.500%	0.360%	(21)	13,400.00	13,400.00	(20)	(22)	(22)	1,453,050,000	BO1442	July 2019	
2	Modified Term	100%	80,713.58	80,713.58	1	FLT	1-year LIBOR	Annually	11	4.545%	2.067%	9.544%	0.500%	0.360%	(21)	1,21,								

Group	Patient Plan	Percentage of Total Funds	HECM MBS Principal Repaid (\$)	HECM Loan Repaid (\$)	Approximate Weighted HECM Interest Rate (%)	HECM Index	Rate Frequency	Approximate Weighted Reset Frequency (Years)	Approximate Weighted Next Rate (%)	Approximate Gross Interest Rate (%)	Approximate Gross Interest Rate (\$)	Approximate Weighted Gross Interest Rate (%)	Approximate Weighted Gross Interest Rate (\$)	Approximate Weighted Average Interest Rate (%)	Approximate Weighted Average Interest Rate (\$)	Monthly Servicing Fee (\$)	Monthly Servicing Fee (%)	Initial Monthly Servicing Fee (\$)	Subsequent Monthly Servicing Fee (\$)	Approximate Interest Draw Amount (\$)	Approximate Interest Draw Amount (\$)	Initial Available Lump Sum Credit (\$)	Available Lump Sum Credit (\$)	Maximum Claim Amount (\$)	Set Number	HECM MBS Term	
2	Tenure	24,327,282,751%	\$ 149,121.55	\$ 149,121.55	1	FLT	1-year LIBOR	Annually	11	5.025%	2.405%	2.405%	10.025%	0.500%	0.500%	0.360%	(21)	1,011.54	1,011.54	(20)	(20)	\$	0.00	0.00	\$ 715,000.00	BO1444	July 2019
2	Term	24,327,282,751%	182,638.55	182,638.55	1	FLT	1-year LIBOR	Annually	11	3.898%	1.599%	1.599%	8.898%	0.500%	0.500%	0.360%	(21)	6,441.53	6,441.53	118	(19)	9,456,339.72	92,672,115.01	1,164,033,720.00	BN2868	July 2019	
3	Line of Credit	37,427,188,2538%	8,450,692.42	512,669,674.39	11	FLT	1-year LIBOR	Annually	9	4.959%	2.186%	2.186%	10.376%	0.500%	0.500%	0.360%	(21)	49,655.00	74,591.31	(20)	(19)	587,666.69	2,644,561.53	22,115,375.00	BN2868	July 2019	
3	Modified Tenure	37,427,188,2538%	235,021.77	4,922,729.44	10	FLT	1-year LIBOR	Annually	6	5.247%	2.303%	2.303%	10.247%	0.500%	0.500%	0.360%	(21)	272,594.62	373,340.54	66	(20)	3,661,021.16	6,740,738.94	61,317,600.00	BN2868	July 2019	
3	Modified Term	37,427,188,2538%	466,749.80	13,734,860.91	10	FLT	1-year LIBOR	Annually	6	5.619%	2.210%	2.210%	10.092%	0.500%	0.500%	0.360%	(21)	16,738.41	152,854.41	102	(19)	2,432,441.44	7,966,439.38	49,472,894.00	BO0001	July 2019	
3	Tenure	37,427,188,2538%	17,453.47	6,657,752.16	8	FLT	1-year LIBOR	Annually	7	5.072%	2.209%	2.209%	10.077%	0.500%	0.500%	0.360%	(21)	1,000.00	1,000.00	30	(20)	321,270.69	474,973.33	1,824,025.00	BO0001	July 2019	
3	Term	37,427,188,2538%	261,825.54	10,724,635.34	10	FLT	1-year LIBOR	Annually	7	4.320%	1.642%	1.642%	9.420%	0.500%	0.500%	0.360%	(21)	7,250.00	7,250.00	80	(19)	70,096.67	94,790.97	350,000.00	BO0002	July 2019	
3	Line of Credit	37,427,188,2538%	17,541,850.22	17,541,850.22	2	FLT	1-year LIBOR	Annually	10	4.273%	1.643%	1.643%	9.773%	0.500%	0.500%	0.360%	(21)	3,007.06	3,007.06	98	(20)	0.00	0.00	318,500.00	BO0001	July 2019	
3	Modified Tenure	37,427,188,2538%	28,941.46	29,931.47	2	FLT	1-year LIBOR	Annually	10	4.443%	1.750%	1.750%	9.443%	0.500%	0.500%	0.360%	(21)	1,000.00	1,000.00	30	(20)	0.00	0.00	530,000.00	BO0002	July 2019	
3	Modified Term	37,427,188,2538%	299,326.47	299,326.47	2	FLT	1-year LIBOR	Annually	10	4.320%	1.642%	1.642%	9.420%	0.500%	0.500%	0.360%	(21)	7,250.00	7,250.00	80	(19)	70,096.67	94,790.97	350,000.00	BO0002	July 2019	
3	Tenure	37,427,188,2538%	128,009.08	128,009.08	1	FLT	1-year LIBOR	Annually	11	4.760%	2.250%	2.250%	9.760%	0.500%	0.500%	0.360%	(21)	294.83	294.83	(20)	(19)	0.00	0.00	318,500.00	BO0001	July 2019	
3	Term	37,427,188,2538%	23,724.77	23,724.77	2	FLT	1-year LIBOR	Annually	10	5.260%	2.500%	2.500%	10.246%	0.500%	0.500%	0.360%	(21)	3,007.06	3,007.06	98	(20)	0.00	0.00	530,000.00	BO0001	July 2019	
3	Line of Credit	37,427,188,2538%	10,039,820.40	10,039,820.40	1	FLT	1-year LIBOR	Annually	11	4.844%	1.632%	1.632%	9.083%	0.500%	0.500%	0.360%	(21)	1,000.00	1,000.00	30	(20)	0.00	0.00	530,000.00	BO0002	July 2019	
3	Modified Tenure	37,427,188,2538%	29,004.10	29,004.10	1	FLT	1-year LIBOR	Annually	11	4.336%	1.825%	1.825%	9.315%	0.500%	0.500%	0.360%	(21)	500.00	500.00	(20)	(19)	1,048,357.27	3,983,737.03	27,082,928.00	BO0002	July 2019	
3	Modified Term	37,427,188,2538%	106,709.02	106,709.02	1	FLT	1-year LIBOR	Annually	11	3.511%	1.000%	1.000%	8.510%	0.500%	0.500%	0.360%	(21)	2,000.00	2,000.00	14	(20)	26,860.98	94,790.97	350,000.00	BO0002	July 2019	
3	Tenure	37,427,188,2538%	65,196.48	65,196.48	1	FLT	1-year LIBOR	Annually	11	3.222%	0.875%	0.875%	8.222%	0.500%	0.500%	0.360%	(21)	155.41	155.41	(20)	(19)	0.00	0.00	180,000.00	BO0002	July 2019	
4	Line of Credit	100%	4,332,750.76	50,534,131.02	4	FLT	1-year LIBOR	Annually	10	4.286%	1.546%	1.546%	9.286%	0.500%	0.500%	0.360%	(21)	3,790.37	3,790.37	(20)	(19)	5,095,606.75	18,536,027.90	123,606,717.00	BN9478	May 2019	
4	Modified Tenure	100%	178,579.19	660,737.29	4	FLT	1-year LIBOR	Annually	10	4.920%	2.171%	2.171%	9.920%	0.500%	0.500%	0.360%	(21)	7,645.16	7,645.16	(20)	(19)	307,719.17	386,957.52	3,762,550.00	BN9478	May 2019	
4	Modified Term	100%	18,763.96	1,017,268.76	6	FLT	1-year LIBOR	Annually	7	4.968%	2.161%	2.161%	9.970%	0.500%	0.500%	0.360%	(21)	17,582.00	17,582.00	80	(19)	69,459.43	199,194.54	3,608,300.00	BN9478	May 2019	
4	Tenure	100%	27,795.88	317,669.66	4	FLT	1-year LIBOR	Annually	10	4.286%	1.546%	1.546%	9.286%	0.500%	0.500%	0.360%	(21)	3,790.37	3,790.37	(20)	(19)	0.00	0.00	1,162,000.00	BN9478	May 2019	
4	Term	100%	2,860.79	39,575,484	10	FLT	1-year LIBOR	Annually	9	4.856%	1.921%	1.921%	9.617%	0.500%	0.500%	0.360%	(21)	2,099.34	2,099.34	110	(19)	2,944,096.45	20,484,509.74	134,258,187.00	BN9481	June 2019	
4	Modified Tenure	100%	67,999.73	453,501.04	2	FLT	1-year LIBOR	Annually	11	4.161%	1.515%	1.515%	9.161%	0.500%	0.500%	0.360%	(21)	2,507.55	2,507.55	40	(20)	0.00	0.00	1,888,525.00	BN9481	June 2019	
4	Modified Term	100%	75,817.38	702,439.68	3	FLT	1-year LIBOR	Annually	9	5.030%	2.247%	2.247%	10.030%	0.500%	0.500%	0.360%	(21)	5,240.23	7,995.16	(20)	(19)	252,897.94	414,796.29	3,949,597.00	BN9481	June 2019	
4	Tenure	100%	9,699.49	995,203.92	8	FLT	1-year LIBOR	Annually	6	4.711%	1.847%	1.847%	9.711%	0.500%	0.500%	0.360%	(21)	17,332.00	17,332.00	109	(19)	51,048.67	198,358.18	3,608,300.00	BN9481	June 2019	
4	Term	100%	4,746,699.86	54,037,264.07	2	FLT	1-year LIBOR	Annually	10	5.248%	2.486%	2.486%	10.234%	0.500%	0.500%	0.360%	(21)	4,035.92	4,874.45	40	(20)	0.00	0.00	1,888,525.00	BN9481	June 2019	
4	Line of Credit	100%	63,299.73	485,501.04	1	FLT	1-year LIBOR	Annually	11	4.161%	1.515%	1.515%	9.161%	0.500%	0.500%	0.360%	(21)	2,507.55	2,507.55	40	(20)	0.00	0.00	1,294,525.00	BN9481	June 2019	
4	Modified Tenure	100%	4,097,550.15	400,074,707.01	13	FLT	1-year LIBOR	Annually	9	5.172%	2.311%	2.311%	10.053%	0.500%	0.500%	0.360%	(21)	95,139.03	95,139.03	(20)	(19)	167,750,796.46	6,766,722.93	47,724,650.00	HK5120	May 2019	
4	Modified Term	100%	271,265.28	9,605,690.03	10	FLT	1-year LIBOR	Annually	7	5.019%	2.180%	2.180%	10.030%	0.500%	0.500%	0.360%	(21)	293,974.32	293,974.32	66	(20)	4,555,978.43	8,741,811.86	69,893,175.00	HK5120	May 2019	
4	Tenure	100%	41,495.30	3,019,370.67	12	FLT	1-year LIBOR	Annually	7	4.998%	2.044%	2.044%	9.852%	0.500%	0.500%	0.360%	(21)	39,107.12	39,107.12	(20)	(19)	0.00	0.00	16,160,950.00	HK5120	May 2019	
4	Term	100%	89,400.56	4,418,124.46	12	FLT	1-year LIBOR	Annually	6	4.931%	2.051%	2.051%	9.797%	0.500%	0.500%	0.360%	(21)	73,761.76	73,761.76	69	(20)	0.00	0.00	16,675,550.00	HK5120	May 2019	
4	Line of Credit	100%	1,830,588.04	1,833,205.92	4	FLT	1-year LIBOR	Annually	10	4.260%	1.458%	1.458%	9.260%	0.500%	0.500%	0.360%	(21)	1,000.00	1,000.00	12	(19)	0.00	0.00	3,614,000.00	BN0994	May 2019	
4	Line of Credit	100%	993,731.85	4,977,510.03	13	FLT	1-year LIBOR	Annually	7	4.908%	2.045%	2.045%	9.738%	0.500%	0.500%	0.360%	(21)	1,000.00	1,000.00	12	(19)	5,066,766.78	17,892,850.00	BN7659	May 2019		
4	Modified Tenure	100%	21,478.90	263,610.00	12	FLT	1-year LIBOR	Annually	1	4.133%	1.375%	1.375%	9.152%	0.500%	0.500%	0.360%	(21)	800.00	800.00	(20)	(19)	34,692.00	103,488.31	640,000.00	BN7659	May 2019	
4	Modified Term	100%	1,001,009.12	132,968,164.53	7	FLT	1-year LIBOR	Annually	7	5.023%	2.012%	2.012%	10.023%	0.500%	0.500%	0.360%	(21)	8,000.88	8,000.88	(20)	(19)	10,536,736.62	48,210,985.19	352,574,602.00	BN8879	May 2019	
4	Tenure	100%	20,357.56	800,212.59	7	FLT	1-year LIBOR	Annually	6	5.415%	2.368%	2.368%	10.415%	0.500%	0.500%	0.360%	(21)	8,000.88	8,000.88	(20)	(19)	449,333.80	566,255.52	4,197,150.00	BN8879	May 2019	
4	Modified Tenure	100%	57,271.90	2,009,099.89	6	FLT	1-year LIBOR	Annually	7	5.600%	2.048%	2.048%	10.600%	0.500%	0.500%	0.360%	(21)	5,312.71	5,312.71	50	(20)	968,637.99	3,664,776.02	7,046,100.00	BN8879	May 2019	
4	Modified Term	100%	10,878.79	536,312.42	7	FLT	1-year LIBOR	Annually	7	4.801%	1.768%	1.768%	9.801%	0.500%	0.500%	0.360%	(21)	3,861.49	3,861.49	51	(20)	0.00	0.00	2,006,500.00	BN8879	May 2019	
4	Tenure	100%	64,417.39	1,187,440.30	8	FLT	1-year LIBOR	Annually	6	5.120%	2.163%	2.163%	10.152%	0.500%	0.500%	0.360%	(21)	3,861.49	3,861.49	51	(20)	0.00	0.00	4,455,300.00	BN8879	May 2019	
4	Line of Credit	100%	3,314,574.20	3,429,000.79	3	FLT	1-year LIBOR	Annually	11	4.130%	1.384%	1.384%	9.129%	0.500%	0.500%	0.360%	(21)	1,000.00	1,000.00	(20)	(19)	234,633.50	1,136,884.20	8,734,900.00	BN0677	May 2019	
4	Modified Tenure	100%	17,168.51	18,801.71	3	FLT	1-year LIBOR	Annually	11	4.002%	1.250%	1.250%	9.001%	0.500%	0.500%	0.360%	(21)	800.00	800.00	(20)	(19)	59,440.66	60,112.03	420,000.00	BN0677	May 2019	
4	Modified Term	100%	22,894.13	22,946.87	3	FLT	1-year LIBOR	Annually	11	4.776%	2.000%	2.000%	9.746%	0.500%	0.500%	0.360%	(21)	835.12	835.12	597	(20)	3,957.13	5,021.93	278,000.00	BN0677	May 2019	
4	Tenure	100%	45,901.97	48,243.49	3	FLT	1-year LIBOR	Annually	11	3.997%	1.250%	1.250%	8.996%	0.500%	0.500%	0.360%	(21)	1,131.83	1,131.83	(20)	(19)	0.00	0.00	425,000.00	BN0677	May 2019	
4	Term	100%	149,875.43	155,408.42	3	FLT	1-year LIBOR	Annually	11	4.690%	1.941%	1.941%	9.689%	0.500%	0.500%	0.360%	(21)	2,643.86	2,643.86	186	(20)	0.00	0.00	904,500.00	BN0677	May 2019	
4	Line of Credit	100%	1,253,542.49	154,403,																							

Group	Payment	Percentage of Pool in Trust	HECM MBS Principal (\$)	HECM Loan Amount (\$)	Approximate Weighted HECM Age (in months)	HECM Interest Type	Index	Rate Reset Frequency (Y)	Approximate Weighted Next Rate			Approximate Weighted Average Growth			Approximate Weighted Interest Rate			Approximate Weighted Growth Lifetime			Approximate Weighted MTP Servicing Fee			Approximate Weighted Scheduled Monthly Draw Item (in \$)			Initiated Available Credit Limit (in \$)	Available Line of Credit (in \$)	Maximum Claim Amount (in \$)	Pool Name
									Rate	Reset Month	Weighted Average	Approximate Weighted Average Growth	Approximate Weighted Interest Rate	Approximate Weighted Growth Lifetime	Approximate Weighted MTP Servicing Fee	Monthly Servicing Fee (in \$)	Scheduled Monthly Payment (in \$)	Scheduled Monthly Draw Item (in \$)	Average Monthly Draw Item (in \$)											
5	Modified Term	100%	\$ 1,165,970.88	\$ 91,065,372.22	34	FIT	1-year LIBOR	Annually	6	5.541%	2.651%	2.606%	9.051%	1.250%	(21)	\$935,088.01	(21)	\$87,190.48	74	(23)	\$ 30,435,861.53	\$ 220,656,000.00	BK5128	June 2019						
5	Tenure	100%	\$ 240,184.60	22,136,182.71	37	FIT	1-year LIBOR	Annually	7	5.606%	2.716%	2.676%	9.013%	1.250%	(21)	190,403.88	(21)	202,361.73	20	(23)	\$ 0	\$ 70,450,600.00	BK5128	June 2019						
5	Tenure	100%	\$ 158,100.41	16,178,651.98	36	FIT	1-year LIBOR	Annually	7	5.512%	2.658%	2.658%	9.008%	1.250%	(21)	128,584.13	(21)	134,751.69	96	(23)	0.00	\$ 5,788,400.00	BK5128	June 2019						
5	Line of Credit	100%	\$ 3,469,650.75	792,249,801.96	42	FIT	1-year LIBOR	Annually	6	5.689%	2.828%	2.825%	8.917%	1.250%	(21)	1,148,487.50	(21)	118,738.35	(19)	(23)	210,388,989.65	4,411,519,190.00	BN0491	June 2019						
5	Modified Tenure	100%	\$ 1,051,898.98	16,264,037.48	43	FIT	1-year LIBOR	Annually	7	5.627%	2.728%	2.724%	8.789%	1.250%	(21)	114,487.70	(21)	118,738.35	(19)	(23)	8,066,309.62	47,260,950.00	BN0491	June 2019						
5	Modified Tenure	100%	\$ 306,989.71	34,324,328.93	44	FIT	1-year LIBOR	Annually	6	5.693%	2.828%	2.828%	8.968%	1.250%	(21)	305,697.72	(21)	312,497.72	50	(23)	9,156,546.50	77,059,700.00	BN0491	June 2019						
5	Tenure	100%	\$ 106,523.08	11,178,245.49	44	FIT	1-year LIBOR	Annually	7	5.736%	2.888%	2.888%	8.907%	1.250%	(21)	83,257.00	(21)	86,112.67	(20)	(23)	0.00	\$ 33,010,700.00	BN0491	June 2019						
5	Tenure	100%	\$ 135,867.62	10,549,028.68	42	FIT	1-year LIBOR	Annually	7	5.804%	2.928%	2.928%	9.021%	1.250%	(21)	114,511.19	(21)	116,608.12	89	(23)	0.00	\$ 23,683,500.00	BN0491	June 2019						
5	Line of Credit	100%	\$ 6,617,573.60	1,190,555,221.34	30	FIT	1-year LIBOR	Annually	6	5.688%	2.738%	2.733%	10.626%	1.250%	(21)	(19)	(19)	(19)	(19)	(23)	35,294,637.69	1,837,019,022.00	BN2861	June 2019						
5	Line of Credit	100%	\$ 1,915,021.64	269,228,151.71	23	FIT	1-year LIBOR	Annually	6	5.686%	2.765%	2.755%	9.623%	1.250%	(21)	188,565,128.47	(21)	198,565,128.47	(19)	(23)	198,565,128.47	713,579,592.00	BN0994	June 2019						
5	Modified Tenure	100%	\$ 105,303.39	6,973,205.94	25	FIT	1-year LIBOR	Annually	6	5.694%	2.731%	2.731%	9.509%	1.250%	(21)	63,806.49	(21)	63,806.49	57	(23)	7,040,667.14	\$ 10,89,950.00	BN0994	June 2019						
5	Modified Term	100%	\$ 113,893.39	6,841,531.23	25	FIT	1-year LIBOR	Annually	7	5.620%	2.719%	2.719%	9.494%	1.250%	(21)	120,159.85	(21)	120,159.85	57	(23)	7,401,830.72	26,825,500.00	BN0994	June 2019						
5	Line of Credit	100%	\$ 1,605,776.38	201,313,061.01	24	FIT	1-year LIBOR	Annually	6	5.557%	2.677%	2.677%	10.555%	1.250%	(21)	1,437.55	(21)	1,437.55	(20)	(23)	9,293,290.48	332,729,027.00	BN0998	July 2019						
5	Modified Tenure	100%	\$ 107,812.62	1,792,985.55	25	FIT	1-year LIBOR	Annually	5	5.733%	2.762%	2.762%	10.733%	1.250%	(21)	310,704.97	(21)	310,704.97	62	(23)	7,940,000.00	6,339,450.00	BN0998	July 2019						
5	Modified Term	100%	\$ 160,825.11	6,893,672.14	24	FIT	1-year LIBOR	Annually	6	5.616%	2																			

Group	Payment Plan	Percentage of Principal	HECM MBS Principal Balance (\$)	HECM Loan Balance (\$)	HECM Average Age (in months)	HECM Interest Rate (%)	Index	Rate Frequency	Approximate Weighted Average Gross Interest Rate			Approximate Weighted Average Gross Lifetime Interest Rate			Approximate Weighted Servicing Fee (in months)	Monthly Servicing Fee (\$)	Initial Servicing Period (in months)	Subsequent Monthly Servicing Period (in months)	Approximate Average Interest Draw (in months)	Available Credit (\$)	Available Loan Limit (\$)	Maximum Claim Amount (\$)	Pool Number	HECM MBS Issue Date
									Approximate Weighted Average Gross Interest Rate (%)	Approximate Weighted Average Gross Lifetime Interest Rate (%)	Approximate Weighted Average Gross Lifetime Interest Rate (%)	Approximate Weighted Average Gross Lifetime Interest Rate (%)	Approximate Weighted Average Gross Lifetime Interest Rate (%)											
10	Lump Sum	19.983/30.02/2.5%	\$ 4,387,006.69	\$ 4,786,189.79	33	FIX	N/A	N/A	N/A	4.859%	N/A	N/A	1.250%	0.360%	(21)	(19)	(19)	(19)	\$	0.00	\$ 7,075,121.00	AX6699	December 2016	
10	Lump Sum	76.36/35.58/880%	1,091,696.57	124,424,296.03	65	FIX	N/A	N/A	N/A	4.964%	N/A	N/A	1.249%	0.360%	\$ 120.00	(19)	(19)	(19)	(19)	0.00	0.00	174,278,582.00	AX6704	November 2016
10	Lump Sum	20.15/48.29/60%	2,451,909.25	2,562,311.03	33	FIX	N/A	N/A	N/A	4.803%	N/A	N/A	1.250%	0.360%	(21)	(19)	(19)	(19)	(19)	0.00	0.00	3,658,090.00	AX7803	December 2017
10	Lump Sum	76.36/39.09/632%	1,885,650.44	349,312,027.72	41	FIX	N/A	N/A	N/A	4.806%	N/A	N/A	1.250%	0.360%	(21)	(19)	(19)	(19)	(19)	0.00	0.00	504,829,744.00	BC0786	July 2017
10	Lump Sum	76.36/34.27/909%	2,770,930.36	652,524,126.64	42	FIX	N/A	N/A	N/A	4.932%	N/A	N/A	1.250%	0.360%	(21)	(19)	(19)	(19)	(19)	0.00	0.00	946,234,816.00	BE5521	April 2018
10	Lump Sum	6.887/69.89/20%	2,214,893.84	650,221,782.65	37	FIX	N/A	N/A	N/A	4.951%	N/A	N/A	1.250%	0.360%	(21)	(19)	(19)	(19)	(19)	0.00	0.00	945,837,303.00	BE5567	August 2018
10	Lump Sum	76.36/28.73/31%	979,657.03	17,435,100.19	60	FIX	N/A	N/A	N/A	4.614%	N/A	N/A	1.250%	0.360%	(21)	(19)	(19)	(19)	(19)	0.00	0.00	23,574,214.00	BC8793	April 2018
10	Lump Sum	76.36/30.08/25%	2,043,929.19	724,820,743.77	54	FIX	N/A	N/A	N/A	4.926%	N/A	N/A	1.250%	0.360%	(21)	(19)	(19)	(19)	(19)	0.00	0.00	989,532,929.00	BI4966	September 2018
10	Lump Sum	76.36/29.16/02%	1,872,909.18	1,189,756,181.30	46	FIX	N/A	N/A	N/A	5.005%	N/A	N/A	1.250%	0.360%	(21)	(19)	(19)	(19)	(19)	0.00	0.00	1,704,394,168.00	BJ9519	March 2019
10	Lump Sum	76.36/33.77/538%	1,832,550.80	1,189,491,538.06	45	FIX	N/A	N/A	N/A	5.003%	N/A	N/A	1.250%	0.360%	(21)	(19)	(19)	(19)	(19)	0.00	0.00	1,705,367,529.00	BJ9533	April 2019
10	Lump Sum	76.36/35.79/909%	1,872,948.20	644,170,264.20	41	FIX	N/A	N/A	N/A	4.929%	N/A	N/A	1.250%	0.360%	(21)	(19)	(19)	(19)	(19)	0.00	0.00	996,532,119.00	BK5121	May 2019
10	Lump Sum	76.36/33.10/619%	1,957,911.84	1,410,430,645.78	80	FIX	N/A	N/A	N/A	4.815%	N/A	N/A	1.228%	0.360%	9,890.00	(19)	(19)	(19)	(19)	0.00	0.00	1,529,961,877.00	BN0490	June 2019
10	Lump Sum	76.36/29.83/50%	1,262,275.75	871,288,780.29	79	FIX	N/A	N/A	N/A	4.791%	N/A	N/A	1.250%	0.360%	660.00	(19)	(19)	(19)	(19)	0.00	0.00	952,592,664.00	BN1326	June 2019
10	Lump Sum	76.36/33.77/538%	1,734,154.36	1,186,235,437.13	45	FIX	N/A	N/A	N/A	5.003%	N/A	N/A	1.250%	0.360%	(21)	(19)	(19)	(19)	(19)	0.00	0.00	1,701,189,463.00	BN2846	June 2019
10	Lump Sum	76.36/34.51/519%	2,388,697.00	1,181,933,711.63	52	FIX	N/A	N/A	N/A	5.019%	N/A	N/A	1.250%	0.360%	(21)	(19)	(19)	(19)	(19)	0.00	0.00	1,695,482,133.00	BN2863	July 2019
10	Lump Sum	76.36/26.44/93%	1,265,617.43	611,855,406.86	98	FIX	N/A	N/A	N/A	4.928%	N/A	N/A	0.934%	0.360%	13,115.00	(19)	(19)	(19)	(19)	0.00	0.00	667,286,884.00	BN3248	May 2019
10	Lump Sum	76.36/32.17/267%	4,591,022.17	1,028,729,778.34	39	FIX	N/A	N/A	N/A	4.914%	N/A	N/A	1.250%	0.360%	6.00	(19)	(19)	(19)	(19)	0.00	0.00	1,507,492,436.00	BN4977	June 2019
10	Lump Sum	76.36/34.01/262%	1,841,259.17	104,744,472.11	65	FIX	N/A	N/A	N/A	4.988%	N/A	N/A	1.247%	0.360%	30.00	(19)	(19)	(19)	(19)	0.00	0.00	153,469,000.00	BN4406	June 2019
10	Lump Sum	76.36/32.57/814%	2,948,115.72	697,620,137.64	77	FIX	N/A	N/A	N/A	4.849%	N/A	N/A	1.225%	0.360%	2,875.00	(19)	(19)	(19)	(19)	0.00	0.00	763,106,265.00	BN4407	June 2019
10	Lump Sum	76.36/32.20/42%	1,198,384.76	462,997,084.90	82	FIX	N/A	N/A	N/A	4.884%	N/A	N/A	1.382%	0.360%	3,315.00	(19)	(19)	(19)	(19)	0.00	0.00	305,625,785.00	BN6901	June 2019

- The information in this Exhibit A is provided by the Sponsor as of July 1, 2019. It is based on information regarding the HECM MBS, the related Participations and the HECMs related to the Participations underlying the related HECM MBS Trust Assets. All weighted averages provided in this Exhibit A are weighted based on the outstanding principal amounts of the Participations underlying the related HECM MBS for such payment plan as of July 1, 2019. The information shown in this Exhibit A is for 100% of the relevant pool; however, the Trust Assets will include only the portion of each pool listed under the column heading "Percentage of Pool in Trust."
- The HECM MBS Principal Balance is the sum of the outstanding principal amounts of the Participations underlying the related HECM MBS for such payment plan as of July 1, 2019.
- The Approximate Weighted Average HECM Age (in months) is the weighted average age of the HECMs related to the Participations underlying the related HECM MBS for such payment plan as of July 1, 2019.
- The Rate Reset Frequency is a period, whether annually or monthly, that the interest rate of each adjustable rate HECM resets under the interest rate formula and HECM loan documents applicable to each adjustable rate HECM.
- The Approximate Weighted Average Next Rate Reset Month is the weighted average number of months until the interest rate of each adjustable rate HECM resets under the interest rate formula and HECM loan documents applicable to each adjustable rate HECM. For example, an entry of "1" signifies that the Approximate Weighted Average Next Rate Reset Month for the adjustable rate HECM's rate is the first day of August 2019.
- The Approximate Weighted Average Gross Interest Rate is the weighted average of the gross interest rates of the HECMs related to the Participations underlying the related HECM MBS for such payment plan as of July 1, 2019.
- The Approximate Weighted Average Gross Margin is the weighted average of the gross margins of the adjustable rate HECMs related to the Participations underlying the related HECM MBS for such payment plan as of July 1, 2019.
- The Approximate Weighted Average Gross Lifetime Interest Rate Floor is the weighted average of the lowest interest rates possible based on the interest rate formula and HECM loan documents applicable to the adjustable rate HECMs related to the Participations underlying the related HECM MBS for such payment plan as of July 1, 2019.
- The Approximate Weighted Average Gross Lifetime Interest Rate Cap is the weighted average of the maximum interest rates possible based on the interest rate formula and HECM loan documents applicable to the adjustable rate HECMs related to the Participations underlying the related HECM MBS for such payment plan as of July 1, 2019.
- The Approximate Weighted Average MIP Fee is the weighted average of the MIP Fees of the HECMs related to the Participations underlying the related HECM MBS for such payment plan as of July 1, 2019. The MIP Fee is charged for FHA mortgage insurance. The MIP Fee is the monthly mortgage insurance premium ("MIP") that accrues on each HECM.

- (11) The Approximate Weighted Average Servicing Fee Margin is the weighted average of the Servicing Fee Margins of the HECMs related to the Participations underlying the related HECM MBS for such payment plan as of July 1, 2019. The Servicing Fee Margin represents (together with the Monthly Servicing Fee, if any) the amount of the servicing compensation payable to the Issuer to cover the Issuer's servicing costs. The Servicing Fee Margin includes the Guaranty Fee charged by Ginnie Mae for the HECM MBS guaranty at the annual rate of 0.06% and a participation agent fee, if any. The Approximate Weighted Average Servicing Fee Margin is included in the rates shown in the columns for Approximate Weighted Average Gross Interest Rate, Approximate Weighted Average Gross Margin, Approximate Weighted Average Gross Lifetime Interest Rate Floor and Approximate Weighted Average Gross Lifetime Interest Rate Cap.
- (12) The Monthly Servicing Fee is the aggregate monthly servicing fee payable to the Issuer if the full amount of the servicing cost is not included in the HECM interest rate and is in addition to the Servicing Fee Margin.
- (13) The Initial Monthly Scheduled Draw is the aggregate monthly amount that is payable to borrowers in a given month under certain types of payment plans during the first twelve month disbursement period.
- (14) The Subsequent Monthly Scheduled Draw is the aggregate monthly amount that is payable to borrowers in a given month under certain types of payment plans after the first twelve month disbursement period.
- (15) The Approximate Weighted Average Remaining Draw Term (in months) is the weighted average of the remaining draw terms of the HECMs related to the Participations underlying the related HECM MBS for such payment plan. The remaining draw term represents the number of months over which a borrower with a term or modified term payment plan will receive Monthly Scheduled Draws as of July 1, 2019.
- (16) The Initial Available Line of Credit is the aggregate of the lines of credit available to borrowers under the Modified Term, Modified Tenure and Line of Credit payment plans during the first twelve month disbursement period. The Initial Available Line of Credit does not include set asides for the Monthly Servicing Fee, if any, property charges (such as taxes, hazard insurance, ground rents or assessments) or repairs, if any.
- (17) The Available Line of Credit is the aggregate of the lines of credit available to borrowers under the Modified Term, Modified Tenure and Line of Credit payment plans during the lives of their related HECMs. The Available Line of Credit does not include set asides for the Monthly Servicing Fee, if any, property charges (such as taxes, hazard insurance, ground rents or assessments) or repairs, if any.
- (18) The sum of the applicable Maximum Claim Amounts with respect to each HECM.
- (19) These HECMs do not have draw terms or monthly scheduled draws.
- (20) Borrowers who select tenure or modified tenure payment plans have a right to receive monthly draws for their tenure in the property.
- (21) These HECMs do not have a flat Monthly Servicing Fee in addition to the Servicing Fee Margin.
- (22) The Lines of Credit related to these HECMs are fully drawn.
- (23) These HECMs are not subject to restrictions on the amount of the Available Line of Credit available to borrowers during the first twelve month disbursement period.

The actual HECM ages, gross interest rates, gross margins, gross lifetime interest rate floors, gross lifetime interest rate caps, MIP Fees, Servicing Fee Margins and remaining draw terms of many of the HECMs related to the Participations underlying the Trust Assets will differ from the approximate weighted averages shown above, perhaps significantly. See *"The Trust Assets — The Participations" in this Supplement*.

CPR Percentage in Effect by HECM Age

HECM Age (in months)	CPR (%)
1	0.00000
2	0.54545
3	1.09091
4	1.63636
5	2.18182
6	2.72727
7	3.27273
8	3.81818
9	4.36364
10	4.90909
11	5.45455
12	6.00000
13	6.29167
14	6.58333
15	6.87500
16	7.16667
17	7.45833
18	7.75000
19	8.04167
20	8.33333
21	8.62500
22	8.91667
23	9.20833
24	9.50000
25	9.66667
26	9.83333
27	10.00000
28	10.16667
29	10.33333
30	10.50000
31	10.66667
32	10.83333
33	11.00000
34	11.16667
35	11.33333
36	11.50000
37	11.66667
38	11.83333
39	12.00000
40	12.16667

HECM Age (in months)	CPR (%)
41	12.33333
42	12.50000
43	12.66667
44	12.83333
45	13.00000
46	13.16667
47	13.33333
48	13.50000
49	13.62240
50	13.74479
51	13.86719
52	13.98958
53	14.11198
54	14.23438
55	14.35677
56	14.47917
57	14.60156
58	14.72396
59	14.84635
60	14.96875
61	15.09115
62	15.21354
63	15.33594
64	15.45833
65	15.58073
66	15.70313
67	15.82552
68	15.94792
69	16.07031
70	16.19271
71	16.31510
72	16.43750
73	16.55990
74	16.68229
75	16.80469
76	16.92708
77	17.04948
78	17.17188
79	17.29427
80	17.41667
81	17.53906
82	17.66146
83	17.78385

HECM Age (in months)	CPR (%)
84	17.90625
85	18.02865
86	18.15104
87	18.27344
88	18.39583
89	18.51823
90	18.64063
91	18.76302
92	18.88542
93	19.00781
94	19.13021
95	19.25260
96	19.37500
97	19.49740
98	19.61979
99	19.74219
100	19.86458
101	19.98698
102	20.10938
103	20.23177
104	20.35417
105	20.47656
106	20.59896
107	20.72135
108	20.84375
109	20.96615
110	21.08854
111	21.21094
112	21.33333
113	21.45573
114	21.57813
115	21.70052
116	21.82292
117	21.94531
118	22.06771
119	22.19010
120	22.31250
121	22.43490
122	22.55729
123	22.67969
124	22.80208
125	22.92448
126	23.04688

HECM Age (in months)	CPR (%)
127	23.16927
128	23.29167
129	23.41406
130	23.53646
131	23.65885
132	23.78125
133	23.90365
134	24.02604
135	24.14844
136	24.27083
137	24.39323
138	24.51563
139	24.63802
140	24.76042
141	24.88281
142	25.00521
143	25.12760
144	25.25000
145	25.37240
146	25.49479
147	25.61719
148	25.73958
149	25.86198
150	25.98438
151	26.10677
152	26.22917
153	26.35156
154	26.47396
155	26.59635
156	26.71875
157	26.84115
158	26.96354
159	27.08594
160	27.20833
161	27.33073
162	27.45313
163	27.57552
164	27.69792
165	27.82031
166	27.94271
167	28.06510
168	28.18750
169	28.30990

HECM Age (in months)	CPR (%)
170	28.43229
171	28.55469
172	28.67708
173	28.79948
174	28.92188
175	29.04427
176	29.16667
177	29.28906
178	29.41146
179	29.53385
180	29.65625
181	29.77865
182	29.90104
183	30.02344
184	30.14583
185	30.26823
186	30.39063
187	30.51302
188	30.63542
189	30.75781
190	30.88021
191	31.00260
192	31.12500
193	31.24740
194	31.36979
195	31.49219
196	31.61458
197	31.73698
198	31.85938
199	31.98177
200	32.10417
201	32.22656
202	32.34896
203	32.47135
204	32.59375
205	32.71615
206	32.83854
207	32.96094
208	33.08333
209	33.20573
210	33.32813
211	33.45052
212	33.57292

HECM Age (in months)	CPR (%)
213	33.69531
214	33.81771
215	33.94010
216	34.06250
217	34.18490
218	34.30729
219	34.42969
220	34.55208
221	34.67448
222	34.79688
223	34.91927
224	35.04167
225	35.16406
226	35.28646
227	35.40885
228	35.53125
229	35.65365
230	35.77604
231	35.89844
232	36.02083
233	36.14323
234	36.26563
235	36.38802
236	36.51042
237	36.63281
238	36.75521
239	36.87760
240	37.00000
241	37.05000
242	37.10000
243	37.15000
244	37.20000
245	37.25000
246	37.30000
247	37.35000
248	37.40000
249	37.45000
250	37.50000
251	37.55000
252	37.60000
253	37.65000
254	37.70000
255	37.75000

HECM Age (in months)	CPR (%)
256	37.80000
257	37.85000
258	37.90000
259	37.95000
260	38.00000
261	38.05000
262	38.10000
263	38.15000
264	38.20000
265	38.25000
266	38.30000
267	38.35000
268	38.40000
269	38.45000
270	38.50000
271	38.55000
272	38.60000
273	38.65000
274	38.70000
275	38.75000
276	38.80000
277	38.85000
278	38.90000
279	38.95000
280	39.00000
281	39.05000
282	39.10000
283	39.15000
284	39.20000
285	39.25000
286	39.30000
287	39.35000
288	39.40000
289	39.45000
290	39.50000
291	39.55000
292	39.60000
293	39.65000
294	39.70000
295	39.75000
296	39.80000
297	39.85000
298	39.90000

HECM Age (in months)	CPR (%)
299	39.95000
300	40.00000
301	40.05000
302	40.10000
303	40.15000
304	40.20000
305	40.25000
306	40.30000
307	40.35000
308	40.40000
309	40.45000
310	40.50000
311	40.55000
312	40.60000
313	40.65000
314	40.70000
315	40.75000
316	40.80000
317	40.85000
318	40.90000
319	40.95000
320	41.00000
321	41.05000
322	41.10000
323	41.15000
324	41.20000
325	41.25000
326	41.30000
327	41.35000
328	41.40000
329	41.45000
330	41.50000
331	41.55000
332	41.60000
333	41.65000
334	41.70000
335	41.75000
336	41.80000
337	41.85000
338	41.90000
339	41.95000
340	42.00000
341	42.05000

HECM Age (in months)	CPR (%)
342	42.10000
343	42.15000
344	42.20000
345	42.25000
346	42.30000
347	42.35000
348	42.40000
349	42.45000
350	42.50000
351	42.55000
352	42.60000
353	42.65000
354	42.70000
355	42.75000
356	42.80000
357	42.85000
358	42.90000
359	42.95000
360 and thereafter	43.00000

Draw Curve in Effect by HECM Age

HECM Age (in months)	Annualized Draw Rate (%)
1	14.00000
2	9.00000
3	8.00000
4	7.33333
5	6.66667
6	6.00000
7	5.83333
8	5.66667
9	5.50000
10	5.33333
11	5.16667
12	5.00000
13	4.83333
14	4.66667
15	4.50000
16	4.33333
17	4.16667
18	4.00000
19	3.86111
20	3.72222
21	3.58333
22	3.44444
23	3.30556
24	3.16667
25	3.02778
26	2.88889
27	2.75000
28	2.61111
29	2.47222
30	2.33333
31	2.19444
32	2.05556
33	1.91667
34	1.77778
35	1.63889
36	1.50000
37	1.43750
38	1.37500
39	1.31250
40	1.25000

HECM Age (in months)	Annualized Draw Rate (%)
41	1.18750
42	1.12500
43	1.06250
44	1.00000
45	0.93750
46	0.87500
47	0.81250
48	0.75000
49	0.68750
50	0.62500
51	0.56250
52	0.50000
53	0.43750
54	0.37500
55	0.31250
56	0.25000
57	0.18750
58	0.12500
59	0.06250
60 and thereafter	0.00000



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