

\$1,703,744,262
Government National Mortgage Association
GINNIE MAE®
Guaranteed REMIC Pass-Through Securities
and MX Securities
Ginnie Mae REMIC Trust 2020-063

The Securities

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

The Ginnie Mae Guaranty

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

The Trust and its Assets

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

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

See “Risk Factors” beginning on page S-14 which highlights some of these risks.

The Sponsor and the Co-Sponsor will offer the securities from time to time in negotiated transactions at varying prices. We expect the closing date to be May 29, 2020.

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

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

Class of REMIC Securities	Original Principal Balance(2)	Interest Rate	Principal Type(3)	Interest Type(3)	CUSIP Number	Final Distribution Date(4)
Security Group 1						
MA	\$ 54,233,305	1.250%	SC/PT	FIX	38382FFH2	June 2049
MI	23,727,070	4.000	NLT(SC/PT)	FIX/IO	38382FFJ8	June 2049
Security Group 2						
B	129,834,869	1.250	PT	FIX	38382FFK5	May 2035
BI	83,465,272	3.500	NLT(PT)	FIX/IO	38382FFL3	May 2035
Security Group 3						
IM(1)	20,833,333	3.000	NLT(PAC/AD)	FIX/IO	38382FFM1	May 2050
IU(1)	4,166,666	3.000	NLT(PAC/AD)	FIX/IO	38382FFN9	April 2050
MP	125,000,000	2.500	PAC/AD	FIX	38382FFP4	May 2050
MZ	12,510,609	3.000	SUP	FIX/Z	38382FFQ2	May 2050
UD	50,000,000	1.750	PAC/AD	FIX	38382FFR0	April 2050
UI(1)	16,775,448	3.000	NLT(PAC/AD)	FIX/IO	38382FFS8	May 2050
UL	326,345	2.000	PAC/AD	FIX	38382FFT6	May 2050
UZ	6,646,648	3.000	SUP	FIX/Z	38382FFU3	May 2050
Security Group 4						
AT	146,009,173	2.500	PT	FIX	38382FFV1	May 2050
IA	54,753,439	4.000	NLT(PT)	FIX/IO	38382FFW9	May 2050
Security Group 5						
IJ	30,557,571	3.000	NLT(SC/PT)	FIX/IO	38382FFX7	April 2046
Security Group 6						
IB	30,829,269	3.500	NLT(SC/PT)	FIX/IO	38382FFY5	August 2045
Security Group 7						
CI	27,946,783	3.500	NLT(SC/PT)	FIX/IO	38382FFZ2	April 2050
Security Group 8						
DF	18,755,865	(5)	PT	FLT	38382FGA6	May 2050
DS	18,755,865	(5)	NLT(PT)	INV/IO	38382FGB4	May 2050
DT	10,000,000	1.250	PT	FIX	38382FGC2	May 2050
ET	38,516,422	1.750	PT	FIX	38382FGD0	May 2050
Security Group 9						
EI	22,360,425	3.500	NLT(SC/PT)	FIX/IO	38382FGE8	April 2038
Security Group 10						
GI	29,107,173	4.500	NLT(SC/PT)	FIX/IO	38382FGF5	January 2049
Security Group 11						
HI	16,903,081	5.500	NLT(SC/PT)	FIX/IO	38382FGG3	May 2049
Security Group 12						
A	54,292,673	1.250	PT	FIX	38382FGH1	May 2035
AI	37,326,212	4.000	NLT(PT)	FIX/IO	38382FGJ7	May 2035
Security Group 13						
N(1)	118,082,389	2.250	SC/PT	FIX	38382FGK4	July 2047
Security Group 14						
AP	118,412,737	1.750	PAC/AD	FIX	38382FGL2	April 2050
AZ	24,477,251	3.000	SUP	FIX/Z	38382FGM0	April 2050
PF	42,290,263	(5)	PAC/AD	FLT	38382FGN8	April 2050
PS	42,290,263	(5)	NLT(PAC/AD)	INV/IO	38382FGP3	April 2050
Security Group 15						
G(1)	248,661,630	2.500	SC/PT	FIX	38382FGQ1	October 2045
Security Group 16						
AS	31,016,432	(5)	NLT(SC/PT)	INV/IO	38382FGR9	August 2043
TI	20,955,134	(5)	NLT(SC/PT)	WAC/IO	38382FGS7	August 2043
Security Group 17						
CZ	13,216,529	3.000	SUP	FIX/Z	38382FGT5	May 2050
FA	43,351,564	(5)	PT	FLT	38382FGU2	May 2050
FP	23,892,857	(5)	PAC/AD	FLT	38382FGV0	May 2050
PA	223,000,000	2.625	PAC/AD	FIX	38382FGW8	May 2050
SA	43,351,564	(5)	NLT(PT)	INV/IO	38382FGX6	May 2050
SP	23,892,857	(5)	NLT(PAC/AD)	INV/IO	38382FGY4	May 2050
Security Group 18						
F(1)	10,463,191	(5)	PAC/AD	FLT	38382FGZ1	May 2050
FG	38,289,318	(5)	PT	FLT	38382FHA5	May 2050
GF(1)	5,000,000	(5)	PAC/AD	FLT	38382FHB3	November 2049
GP	30,000,000	1.250	PAC/AD	FIX	38382FHC1	November 2049
GS(1)	5,000,000	(5)	NLT(PAC/AD)	INV/IO	38382FHD9	November 2049
GZ	3,968,065	3.000	SUP	FIX/Z	38382FHE7	May 2050
LG	1,621,169	2.000	PAC/AD	FIX	38382FHF4	May 2050
S(1)	10,463,191	(5)	NLT(PAC/AD)	INV/IO	38382FHG2	May 2050
SG	38,289,318	(5)	NLT(PT)	INV/IO	38382FHH0	May 2050

(Cover continued on next page)

J.P. Morgan

Mischler Financial Group, Inc.

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

Class of REMIC Securities	Original Principal Balance(2)	Interest Rate	Principal Type(3)	Interest Type(3)	CUSIP Number	Final Distribution Date(4)
Security Group 19						
IO	\$ 42,334,271	4.000%	NTL(PT)	FIX/IO	38382FHJ6	May 2050
TA	112,891,390	2.500	PT	FIX	38382FHK3	May 2050
Residual						
RR	0	0.000	NPR	NPR	38382FHL1	May 2050

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

AVAILABLE INFORMATION

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

- this Offering Circular Supplement (this “Supplement”),
- the Base Offering Circular and
- in the case of the Group 1, 5, 6, 7, 9, 10, 11, 13, 15 and 16 securities, each disclosure document relating to the Underlying Certificates (the “Underlying Certificate Disclosure Documents”).

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

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

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

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TERMS SHEET

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

Sponsor: J.P. Morgan Securities LLC

Co-Sponsor: Mischler Financial Group, Inc.

Trustee: U.S. Bank National Association

Tax Administrator: The Trustee

Closing Date: May 29, 2020

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 June 2020.

Trust Assets:

<u>Trust Asset Group or Subgroup⁽²⁾</u>	<u>Trust Asset Type</u>	<u>Certificate Rate</u>	<u>Original Term To Maturity (in years)</u>
1	Underlying Certificate	(1)	(1)
2	Ginnie Mae II	3.500%	15
3	Ginnie Mae II	3.000%	30
4	Ginnie Mae II	4.000%	30
5	Underlying Certificates	(1)	(1)
6	Underlying Certificates	(1)	(1)
7	Underlying Certificates	(1)	(1)
8A	Ginnie Mae II	3.000%	30
8B	Ginnie Mae I	3.000%	30
9	Underlying Certificates	(1)	(1)
10	Underlying Certificates	(1)	(1)
11	Underlying Certificates	(1)	(1)
12	Ginnie Mae II	4.000%	15
13	Underlying Certificate	(1)	(1)
14	Ginnie Mae II	3.000%	30
15	Underlying Certificates	(1)	(1)
16A	Underlying Certificate	(1)	(1)
16B	Underlying Certificate	(1)	(1)
16C	Underlying Certificate	(1)	(1)
16D	Underlying Certificate	(1)	(1)
17	Ginnie Mae II	3.500%	30
18	Ginnie Mae II	4.500%	30
19	Ginnie Mae II	4.000%	30

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

⁽²⁾ The Group 8 and 16 Trust Assets consist of the enumerated subgroups (each, a “Subgroup”).

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

Assumed Characteristics of the Mortgage Loans Underlying the Group 2, 4, 8, 12, 17 and 19 Trust Assets⁽¹⁾:

<u>Principal Balance</u>	<u>Weighted Average Remaining Term to Maturity (in months)</u>	<u>Weighted Average Loan Age (in months)</u>	<u>Weighted Average Mortgage Rate⁽²⁾</u>
Group 2 Trust Assets			
\$129,834,869	174	4	3.935%
Group 4 Trust Assets			
\$146,009,173	357	3	4.505%
Subgroup 8A Trust Assets			
\$63,574,102	356	3	3.443%
Subgroup 8B Trust Assets			
\$3,698,185	343	2	3.500%
Group 12 Trust Assets			
\$54,292,673	172	7	4.500%
Group 17 Trust Assets			
\$303,460,950	357	2	3.972%
Group 19 Trust Assets			
\$112,891,390	356	3	4.453%

⁽¹⁾ As of May 1, 2020.

⁽²⁾ The Mortgage Loans underlying the Group 2, 4, 12, 17 and 19 and Subgroup 8A Trust Assets may bear interest at rates ranging from 0.25% to 1.50% per annum above the related Certificate Rate.

The actual remaining terms to maturity, loan ages and, in the case of the Group 2, 4, 12, 17 and 19 and Subgroup 8A Trust Assets, Mortgage Rates of many of the Mortgage Loans underlying the Group 2, 4, 8, 12, 17 and 19 Trust Assets will differ from the weighted averages shown above, perhaps significantly. See “*The Trust Assets — The Mortgage Loans*” in this Supplement.

Characteristics of the Mortgage Loans Underlying the Group 3, 14 and 18 Trust Assets⁽¹⁾:

<u>Pool Number</u>	<u>Principal Balance</u>	<u>Weighted Average Remaining Term to Maturity (in months)</u>	<u>Weighted Average Loan Age (in months)</u>	<u>Weighted Average Mortgage Rate⁽²⁾</u>
Group 3 Trust Assets				
BS9221	\$ 1,578,614.08	358	2	3.377%
BS9222	2,406,391.42	357	2	3.329
BT0135	25,078,517.69	358	2	3.550
BT0136	15,191,714.57	358	2	3.557
BT0200	15,103,686.41	358	2	3.574
BT5537	1,991,830.27	358	2	3.468
BT6313	1,011,310.00	352	1	3.382
BU0266	1,850,643.19	358	2	3.534
BU0267	1,152,631.06	358	2	3.593
784953	129,118,263.75	357	3	3.557
	<u>\$194,483,602.44</u>			
Group 14 Trust Assets				
BR8173	\$ 1,300,882.09	357	3	3.536%
BS7268	1,127,249.39	358	2	3.562
BT0127	2,011,441.20	357	2	3.595
BT0128	2,016,514.29	355	1	3.607
BT0130	11,993,731.94	357	2	3.589
BT0134	32,072,559.59	358	2	3.564
BT5535	6,154,425.99	358	2	3.401
BT9585	25,023,132.47	357	2	3.449
BT9626	10,019,926.08	359	1	3.488
BT9627	25,077,349.14	357	1	3.510
BU2273	1,989,046.96	352	2	3.562
BU2274	1,980,952.86	352	2	3.676
BU2275	4,940,615.92	355	2	3.606
BU2276	8,162,888.65	353	2	3.664
784954	51,309,534.92	357	2	3.486
	<u>\$185,180,251.49</u>			
Group 18 Trust Assets				
AX3362	\$ 9,894.64	335	22	4.905%
BH6743	915.95	337	22	4.975
BJ7736	13,792.01	342	17	4.916
BJ8790	518,973.09	341	18	4.807
BJ8794	481,773.53	341	18	4.794
BL1681	374,328.61	356	4	4.750
BL2147	13,438.37	338	16	4.897
BL4801	551,192.99	348	12	4.919
BN0513	337,926.22	346	13	4.963
BP3981	446,381.23	346	3	5.118
BP5485	821,547.56	354	5	4.814
BP7824	379,575.20	355	5	5.042
BQ3960	561,270.81	357	3	4.750

Pool Number	Principal Balance	Weighted Average Remaining Term to Maturity (in months)	Weighted Average Loan Age (in months)	Weighted Average Mortgage Rate⁽²⁾
BQ6629	\$ 369,810.58	359	1	4.865%
BR6567	878,611.90	353	6	4.920
BR7313	1,156,256.13	354	5	4.910
BR7315	501,533.61	350	5	4.857
BR8186	345,573.48	358	2	4.781
BS0760	632,362.98	357	3	4.962
BS1580	340,560.54	357	3	5.050
BS2454	441,765.57	357	3	4.929
BS2459	584,308.22	357	3	4.907
BS3276	440,184.24	357	3	4.936
BS3312	448,729.74	358	2	4.932
BS3315	416,565.53	358	2	4.916
BS3321	516,493.67	356	4	4.891
BS4503	611,141.08	358	2	4.986
BS4598	617,941.19	356	4	4.949
BS4627	1,406,391.18	358	2	4.927
BS5704	606,141.54	358	2	4.818
BS6397	838,303.22	357	2	4.884
BS6412	728,567.15	358	2	4.875
BS6491	577,069.11	357	2	4.915
BS6684	380,184.77	357	3	4.769
BS6881	348,224.32	356	4	4.996
BS6886	354,356.71	357	3	5.002
BS6930	370,709.63	358	2	4.956
BS7285	349,248.15	358	2	4.934
BS8207	343,510.59	356	4	4.922
BS8229	376,114.49	357	3	4.909
BS9216	381,536.48	358	2	4.750
BS9218	440,996.17	357	3	4.793
BT0117	579,577.25	357	2	4.981
BT0118	509,495.48	357	2	5.054
BT0420	1,147,994.08	356	4	5.125
BT0421	1,286,742.57	356	4	5.125
BT0440	2,106,295.36	357	3	5.125
BT0441	2,921,894.06	357	3	5.125
BT0442	2,276,210.00	358	2	5.125
BT0534	505,801.57	357	3	4.945
BT0642	795,827.97	357	3	4.944
BT0655	996,177.31	357	3	5.019
BT0749	1,148,647.95	356	3	4.839
BT0750	1,219,525.72	350	3	4.758
BT0752	429,069.12	357	3	4.820
BT1268	572,461.23	357	3	4.955
BT1578	559,878.30	357	3	4.804
BT1579	770,260.27	357	3	4.893
BT1615	568,678.68	356	2	4.852

Pool Number	Principal Balance	Weighted Average Remaining Term to Maturity (in months)	Weighted Average Loan Age (in months)	Weighted Average Mortgage Rate⁽²⁾
BT1616	\$ 539,231.59	358	2	4.903%
BT1617	570,818.94	357	3	4.914
BT2477	410,138.94	353	2	4.974
BT2887	487,066.80	352	8	5.020
BT3128	426,627.57	355	3	4.957
BT3473	1,786,445.55	355	4	5.046
BT3474	2,786,882.33	356	4	5.054
BT3475	1,864,345.61	356	4	5.078
BT3494	473,636.60	356	4	4.997
BT3547	342,874.15	356	4	5.052
BT4725	371,061.99	357	3	5.072
BT4774	362,233.38	351	3	4.961
BT4775	416,714.29	357	3	4.980
BT5022	381,198.30	358	2	4.934
BT5024	429,597.05	351	2	4.951
BT5025	428,296.02	358	2	4.936
BT5026	383,079.21	358	2	5.022
BT5027	357,401.81	358	2	5.000
BT5524	355,524.74	356	3	5.172
BT5526	1,152,041.61	355	3	5.101
BT5547	537,462.64	357	2	4.875
BT5659	686,376.89	358	1	4.837
BT5660	616,026.27	358	1	4.829
BT5661	353,687.55	359	1	4.819
BT5662	434,875.41	359	1	4.833
BT5752	424,349.81	357	3	4.927
BT5784	374,857.06	356	3	4.955
BT5855	712,048.53	357	2	4.998
BT5856	379,036.04	358	2	5.044
BT5857	387,617.37	358	2	4.875
BT5869	515,638.40	359	1	4.845
BT5870	349,978.48	359	1	4.925
BT5890	400,269.49	359	1	5.108
BT5891	418,272.15	359	1	5.127
BT6261	611,759.22	358	1	4.948
BT6262	772,596.38	358	1	4.856
BT6263	873,325.17	359	1	4.837
BT7783	701,094.82	356	2	4.952
BT7784	412,101.68	358	2	4.940
BT7929	418,035.53	358	2	4.770
BT7930	427,684.61	358	2	4.902
BT7931	395,403.61	358	2	4.940
BT7973	539,913.28	359	1	4.966
BT8281	560,918.88	359	1	4.998
BT8284	652,391.21	358	1	4.987
BT8323	411,598.32	359	1	5.074

<u>Pool Number</u>	<u>Principal Balance</u>	<u>Weighted Average Remaining Term to Maturity (in months)</u>	<u>Weighted Average Loan Age (in months)</u>	<u>Weighted Average Mortgage Rate⁽²⁾</u>
BT8502	\$ 343,467.67	358	2	5.012%
BT8503	343,474.98	358	2	4.951
BT8504	733,586.58	358	2	4.975
BT8519	701,619.14	358	1	5.010
BT8520	775,308.61	358	2	5.063
BT8521	712,291.53	358	1	5.022
BT8602	650,741.62	354	2	4.928
BT8603	376,481.89	359	1	4.933
BT8604	1,068,758.22	354	1	4.913
BT9000	435,162.98	355	4	5.007
BT9359	885,014.90	358	2	5.055
BT9360	785,792.61	358	2	5.104
BT9449	664,475.00	359	1	5.103
BT9497	341,734.00	360	0	4.918
BU0298	513,860.39	358	1	4.863
BU0817	807,179.91	358	2	4.870
BU0818	767,723.00	358	1	4.881
BU0819	927,048.12	358	1	4.919
BU0820	558,014.34	359	1	4.876
BU0821	1,150,673.02	359	1	4.882
BU2442	369,892.70	352	6	4.883
BU2647	392,514.00	359	1	4.786
BU2660	405,718.91	359	1	4.750
BU2665	443,499.16	359	1	4.889
BU2671	410,994.00	355	0	4.900
BU3457	489,250.25	354	2	5.019
BU3458	694,126.06	358	2	4.998
BU4951	699,506.49	356	1	5.056
BU5008	895,005.00	359	1	5.011
BU5323	549,694.01	359	1	5.055
BU5324	622,015.69	359	1	4.986
BU5358	504,397.97	356	1	5.075
BU5809	1,358,938.00	359	1	5.046
BU6095	415,344.43	359	1	4.828
BU6096	532,688.04	359	1	4.907
BU6160	614,476.00	359	1	4.886
	<u>\$ 89,341,743.60</u>			

(1) As of May 1, 2020.

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

The actual remaining terms to maturity, loan ages and Mortgage Rates of many of the Mortgage Loans underlying the Group 3, 4 and 18 Trust Assets will differ from the weighted averages shown above, perhaps significantly. See *“The Trust Assets — The Mortgage Loans” in this Supplement.*

Characteristics of the Group 1, 5, 6, 7, 9, 10, 11, 13, 15 and 16 Trust Assets: See Exhibit A to this Supplement for certain information regarding the characteristics of the related Underlying Certificates.

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

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

Increased Minimum Denomination Classes: Each Class that constitutes an Interest Only Class. See “Description of the Securities — Form of Securities” in this Supplement.

Interest Rates: The Interest Rates for the Fixed Rate Classes are shown on the front cover of this Supplement or on Schedule I to this Supplement.

The Floating Rate and Inverse Floating Rate Classes will bear interest at per annum rates based on one-month LIBOR (hereinafter referred to as “LIBOR”) as follows:

<u>Class</u>	<u>Interest Rate Formula(1)</u>	<u>Initial Interest Rate(2)</u>	<u>Minimum Rate</u>	<u>Maximum Rate</u>	<u>Delay (in days)</u>	<u>LIBOR for Minimum Interest Rate</u>
Security Group 8						
DF	LIBOR + 0.45%	0.67200%	0.45%	6.50%	0	0.00%
DS	6.05% – LIBOR	5.82800%	0.00%	6.05%	0	6.05%
Security Group 14						
PF	LIBOR + 0.40%	0.62200%	0.40%	6.50%	0	0.00%
PS	6.10% – LIBOR	5.87800%	0.00%	6.10%	0	6.10%
Security Group 16						
AS	6.00% – LIBOR	5.82925%	0.00%	6.00%	0	6.00%
Security Group 17						
FA	LIBOR + 0.45%	0.63400%	0.45%	6.50%	0	0.00%
FP	LIBOR + 0.40%	0.58400%	0.40%	6.50%	0	0.00%
SA	6.05% – LIBOR	5.86600%	0.00%	6.05%	0	6.05%
SP	6.10% – LIBOR	5.91600%	0.00%	6.10%	0	6.10%
Security Group 18						
F	LIBOR + 0.40%	0.58400%	0.40%	6.50%	0	0.00%
FG	LIBOR + 0.40%	0.58400%	0.40%	6.50%	0	0.00%
FJ	LIBOR + 0.40%	0.58400%	0.40%	6.50%	0	0.00%
GF	LIBOR + 0.40%	0.58400%	0.40%	6.50%	0	0.00%
GS	6.10% – LIBOR	5.91600%	0.00%	6.10%	0	6.10%
S	6.10% – LIBOR	5.91600%	0.00%	6.10%	0	6.10%
SG	6.10% – LIBOR	5.91600%	0.00%	6.10%	0	6.10%
SJ	6.10% – LIBOR	5.91600%	0.00%	6.10%	0	6.10%

(1) LIBOR will be established as described under “Description of the Securities — Interest Distributions — Floating Rate and Inverse Floating Rate Classes” in this Supplement.

(2) The initial Interest Rate will be in effect during the first Accrual Period; the Interest Rate will adjust monthly thereafter.

Class TI is a Weighted Average Coupon Class that will accrue interest during each Accrual Period at a per annum Interest Rate equal to the total interest accrued on the Group 16 Trust Assets less the accrued interest on Class AS for that Accrual Period, multiplied by 12, and divided by the Class Notional Balance of Class TI (before giving effect to any payments on such Distribution Date) for such Accrual Period. The approximate initial Interest Rate for Class TI, which will be in effect for the first Accrual Period, is 0.27335%.

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

SECURITY GROUP 1

The Group 1 Principal Distribution Amount will be allocated to MA, until retired

SECURITY GROUP 2

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

SECURITY GROUP 3

The Group 3 Principal Distribution Amount, the MZ Accrual Amount and the UZ Accrual Amount will be allocated as follows:

- 29.2944970240% of the Group 3 Principal Distribution Amount and the UZ Accrual Amount in the following order of priority:
 1. Sequentially, to UD and UL, in that order, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date
 2. To UZ, until retired
 3. Sequentially, to UD and UL, in that order, without regard to their Aggregate Scheduled Principal Balance, until retired
- 70.7055029760% of the Group 3 Principal Distribution Amount and the MZ Accrual Amount in the following order of priority:
 1. To MP, until reduced to its Scheduled Principal Balance for that Distribution Date
 2. To MZ, until retired
 3. To MP, without regard to its Scheduled Principal Balance, until retired

SECURITY GROUP 4

The Group 4 Principal Distribution Amount will be allocated to AT, until retired

SECURITY GROUP 8

The Group 8 Principal Distribution Amount will be allocated, concurrently, to DF, DT and ET, pro rata, until retired

SECURITY GROUP 12

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

SECURITY GROUP 13

The Group 13 Principal Distribution Amount will be allocated to N, until retired

SECURITY GROUP 14

The Group 14 Principal Distribution Amount and the AZ Accrual Amount will be allocated in the following order of priority:

1. Concurrently, to AP and PF, pro rata, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date
2. To AZ, until retired
3. Concurrently, to AP and PF, pro rata, without regard to their Aggregate Scheduled Principal Balance, until retired

SECURITY GROUP 15

The Group 15 Principal Distribution Amount will be allocated to G, until retired

SECURITY GROUP 17

The Group 17 Principal Distribution Amount and the CZ Accrual Amount will be allocated as follows:

- 14.2857141916% of the Group 17 Principal Distribution Amount to FA, until retired
- 85.7142858084% of the Group 17 Principal Distribution Amount and the CZ Accrual Amount in the following order of priority:
 1. Concurrently, to FP and PA, pro rata, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date
 2. To CZ, until retired
 3. Concurrently, to FP and PA, pro rata, without regard to their Aggregate Scheduled Principal Balance, until retired

SECURITY GROUP 18

The Group 18 Principal Distribution Amount and the GZ Accrual Amount will be allocated as follows:

- 42.8571423774% of the Group 18 Principal Distribution Amount to FG, until retired
- 57.1428576226% of the Group 18 Principal Distribution Amount and the GZ Accrual Amount in the following order of priority:
 1. To F, GF, GP and LG, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date, concurrently, as follows:
 - a. 22.2222219862% to F, while outstanding
 - b. 77.7777780138% in the following order of priority:
 - i. Concurrently, to GF and GP, pro rata, while outstanding
 - ii. To LG, while outstanding

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

SECURITY GROUP 19

The Group 19 Principal Distribution Amount will be allocated to TA, until retired

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

<u>Security Group</u>		<u>Structuring Ranges</u>
PAC Classes		
3	UD and UL (in the aggregate)*	275% PSA through 400% PSA
3	MP**	300% PSA through 400% PSA
14	AP and PF (in the aggregate)	260% PSA through 400% PSA
17	FP and PA (in the aggregate)	360% PSA through 420% PSA
18	F, GF, GP and LG (in the aggregate)	400% PSA through 500% PSA
* The initial Effective Range is 276% PSA through 400% PSA		
** The initial Effective Range is 301% PSA through 400% PSA		

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

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

<u>Class</u>	<u>Original Class Notional Balance</u>	<u>Represents Approximately</u>
Security Group 1		
MI	\$ 23,727,070	43.75% of MA (SC/PT Class)
Security Group 2		
BI	\$ 83,465,272	64.2857142857% of B (PT Class)
Security Group 3		
DI	\$ 20,833,333	41.6666666667% of UD (PAC/AD Class)
	108,781	33.333333333% of UL (PAC/AD Class)
	<u>\$ 20,942,114</u>	
ID	\$ 20,833,333	41.6666666667% of UD (PAC/AD Class)
	108,781	33.333333333% of UL (PAC/AD Class)
	20,833,333	16.6666666667% of MP (PAC/AD Class)
	<u>\$ 41,775,447</u>	
IM	\$ 20,833,333	16.6666666667% of MP (PAC/AD Class)
IU	4,166,666	8.3333333333% of UD (PAC/AD Class)
UI	16,775,448	33.3333333333% of UD and UL (in the aggregate) (PAC/AD Classes)

<u>Class</u>	<u>Original Class Notional Balance</u>	<u>Represents Approximately</u>
Security Group 4		
IA	\$ 54,753,439	37.50% of AT (PT Class)
Security Group 5		
IJ	\$ 30,557,571	100% of the Group 5 Trust Assets
Security Group 6		
IB	\$ 30,829,269	100% of the Group 6 Trust Assets
Security Group 7		
CI	\$ 27,946,783	100% of the Group 7 Trust Assets
Security Group 8		
DS	\$ 18,755,865	100% of DF (PT Class)
Security Group 9		
EI	\$ 22,360,425	100% of the Group 9 Trust Assets
Security Group 10		
GI	\$ 29,107,173	100% of the Group 10 Trust Assets
Security Group 11		
HI	\$ 16,903,081	100% of the Group 11 Trust Assets
Security Group 12		
AI	\$ 37,326,212	68.75% of A (PT Class)
Security Group 13		
NI	\$ 36,900,746	31.25% of N (SC/PT Class)
Security Group 14		
PS	\$ 42,290,263	100% of PF (PAC/AD Class)
Security Group 15		
IG	\$106,569,270	42.8571428571% of G (SC/PT Class)
Security Group 16		
AS	\$ 31,016,432	100% of the Group 16 Trust Assets
TI	20,955,134	100% of the Subgroup 16A, Subgroup 16B and Subgroup 16D Trust Assets (in the aggregate)
Security Group 17		
SA	\$ 43,351,564	100% of FA (PT Class)
SP	23,892,857	100% of FP (PAC/AD Class)
Security Group 18		
GS	\$ 5,000,000	100% of GF (PAC/AD Class)
S	10,463,191	100% of F (PAC/AD Class)
SG	38,289,318	100% of FG (PT Class)
SJ	15,463,191	100% of F and GF (in the aggregate) (PAC/AD Classes)
Security Group 19		
IO	\$ 42,334,271	37.50% of TA (PT Class)

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

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

RISK FACTORS

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

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

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

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

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

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

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

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

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

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

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

The levels of LIBOR will affect the yields on floating rate and inverse floating rate securities and, under certain circumstances, the class TI securities. If LIBOR performs differently from what you expect, the yield on the floating rate and inverse floating rate securities may be lower than you expect. Lower levels of LIBOR will generally reduce the yield on floating rate securities; higher levels of LIBOR will generally reduce the yield on inverse floating rate securities and, under certain circumstances, the class TI securities. You should bear in mind that the timing of changes in the level of LIBOR may affect your yield: generally, the earlier a change, the greater the effect on your yield. It is doubtful that LIBOR will remain constant.

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

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

The rate of payments on the underlying certificates will directly affect the rate of payments on the group 1, 5, 6, 7, 9, 10, 11, 13, 15 and 16 securities. The underlying certificates will be sensitive in varying degrees to:

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

As described in the related underlying certificate disclosure documents, the principal entitlement of and the reductions in notional balances of certain of the underlying certificates included in trust asset groups 6, 7 and 13 and subgroup 16B on any payment date are calculated, directly or indirectly, on the basis of schedules; no assurance can be given that the underlying

certificates will adhere to their schedules. Further, prepayments on the related mortgage loans may have occurred at rates faster or slower than those initially assumed.

The trust assets underlying certain of the underlying certificates included in trust asset groups 5, 6, 10, 11 and 15 are also previously issued certificates that represent beneficial ownership interests in separate trusts. The rate of payments on the previously issued certificates backing these underlying certificates will directly affect the timing and rate of payments on the group 5, 6, 10, 11 and 15 securities. You should read the related underlying certificate disclosure documents, including the risk factors contained therein, to understand the payments on and related risks of the previously issued certificates backing these underlying certificates.

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

Up to 10% of the mortgage loans underlying the group 2, 3, 4, 8, 12, 13, 14, 17, 18 and 19 and subgroup 16A, 16B and 16C trust assets and up to 100% of the mortgage loans underlying the group 1, 5, 6, 7, 9, 10, 11 and 15 and subgroup 16D trust assets may be higher balance mortgage loans. Subject to special pooling parameters set forth in the Ginnie Mae Mortgage-Backed Securities Guide, qualifying federally-insured or guaranteed mortgage loans that exceed certain balance thresholds established by Ginnie Mae (“higher balance mortgage loans”) may be included in Ginnie Mae guaranteed pools. There are no historical performance data regarding the prepayment rates for higher balance mortgage loans. If the higher

balance mortgage loans prepay faster or slower than expected, the weighted average lives and yields of the related securities are likely to be affected, perhaps significantly. Furthermore, higher balance mortgage loans tend to be concentrated in certain geographic areas, which may experience relatively higher rates of defaults in the event of adverse economic conditions. No assurances can be given about the prepayment experience or performance of the higher balance mortgage loans.

Changes to, the elimination of, and uncertainty with respect to, LIBOR could adversely affect your investment in LIBOR Classes. On July 27, 2017, the U.K.-based Financial Conduct Authority (the “FCA”) announced its intention to cease sustaining LIBOR after 2021. The FCA indicated that it does not intend to sustain LIBOR through using its influence or legal powers beyond that date. It is possible that the ICE Benchmark Administration (“ICE”) and the reference banks could continue to produce LIBOR on the current basis after 2021, if they are willing and able to do so, but it cannot be predicted or assured whether LIBOR will survive in its current form, a modified form, or at all. If LIBOR changes in a manner that causes regulators or market participants to question LIBOR’s continued viability as a benchmark, or if LIBOR becomes unavailable, investors in financial instruments linked to LIBOR will likely experience disparate outcomes based on relevant contractual terms, market or product type, jurisdiction, and a host of other factors. There can be no assurance that legislative or regulatory actions will provide for an effective LIBOR substitute or replacement or that broadly accepted industry practices regarding LIBOR cessation will develop. It is uncertain what effect such disparate outcomes or divergent industry practices will have on the performance or value of securities with an interest rate based on LIBOR (“LIBOR Classes”).

In the event of a benchmark transition event with respect to LIBOR, Ginnie Mae will select an alternative index for LIBOR Classes in accordance with the ARRC Endorsed Terms, as described under “Description of the Securities — Interest Rate Indices — Determination of LIBOR”

in the base offering circular. The ARRC Endorsed Terms, however, generally rely on actions to be taken by regulators or the Alternative Reference Rates Committee (“ARRC”) convened by the Federal Reserve Board and the Federal Reserve Bank of New York, and there can be no assurance whether or when those actions will be taken. Further, there can be no assurance that those actions or related events will be sufficient to trigger a change from LIBOR to an alternative index in all circumstances where LIBOR is no longer representative of market interest rates, or that benchmark transition events for the LIBOR Classes will align with similar events in the market generally or in other parts of the financial markets, such as the derivatives market.

The ARRC Endorsed Terms provide for various alternative benchmarks based on availability: the first two alternatives involve the secured overnight financing rate (“SOFR”) published by the Federal Reserve Bank of New York, and the last two alternatives are not currently specified. SOFR is a secured, risk-free rate that is calculated based on different criteria than LIBOR, which is an unsecured rate reflecting counterparty risk. Accordingly, SOFR and LIBOR may diverge, particularly in times of macroeconomic stress. Since the initial publication of SOFR in April 2018, daily changes in SOFR have at times been more volatile than daily changes in comparable benchmark or market rates. Over the lives of the LIBOR Classes, SOFR may diverge from historical or indicative data. Term SOFR, which is the first alternative benchmark, is expected to be a prospective term rate based on SOFR. Term SOFR is currently in development and no assurance can be provided that its development will be completed. If term SOFR is unavailable as of the benchmark replacement date, as defined in the base offering circular under “Description of the Securities — Interest Rate Indices — Determination of LIBOR”, the next alternative benchmark is compounded SOFR. Compounded SOFR is a compounded average for which there are multiple methodologies, which may also diverge from LIBOR. If a benchmark replacement other than term SOFR is chosen because term SOFR is not initially available, term SOFR will become the benchmark replacement if it later becomes

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

Ginnie Mae will have sole discretion with respect to certain elements of the benchmark replacement process, including determining whether a benchmark transition event and its related benchmark replacement date have occurred, determining which benchmark replacement is available, determining the earliest practicable index determination date for using the benchmark replacement, selecting a benchmark replacement in the event term SOFR or compounded SOFR is unavailable, determining benchmark replacement adjustments (if not otherwise determined by applicable governing bodies or authorities) and making benchmark replacement conforming changes (including potential changes affecting the business day convention and index determination date). If Ginnie Mae, in its sole discretion, determines that an alternative index is not administratively feasible, including as a result of technical, administrative or operational issues, then such alternative index will be deemed not determinable as of such date. Ginnie Mae may determine an alternative not to be administratively feasible even if such alternative index has been adopted by other market participants in similar products. Furthermore, if Ginnie Mae does not select an alternative index on any date as a result of its determination that an alternative higher on the list of ARRC Endorsed Terms is not administratively feasible as of such date and such higher alternative subsequently becomes administratively feasible (as determined by Ginnie Mae

in its sole discretion), then Ginnie Mae may elect to replace the previously selected alternative with such higher alternative. Any of the foregoing determinations will be at the sole discretion of Ginnie Mae and may adversely affect the return on LIBOR Classes, the trading market for such classes and the value of such classes. None of the foregoing determinations, or the application thereof to payment calculations on the LIBOR Classes, will be subject to the approval of security holders.

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

The securities may not be a suitable investment for you. The securities, especially the group 1, 5, 6, 7, 9, 10, 11, 13, 15 and 16 securities and, in particular, the support, interest only, accrual and residual classes, are not suitable investments for all investors.

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

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

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

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

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

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

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

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

THE TRUST ASSETS

General

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

The Trust MBS (Groups 2, 3, 4, 8, 12, 14, 17, 18 and 19)

The Subgroup 8B Trust Assets are either:

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

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

The Group 2, 3, 4, 12, 14, 17, 18 and 19 and Subgroup 8A Trust Assets are either:

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

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

The Underlying Certificates (Groups 1, 5, 6, 7, 9, 10, 11, 13, 15 and 16)

The Group 1, 5, 6, 7, 9, 10, 11, 13, 15 and 16 Trust Assets are Underlying Certificates that represent beneficial ownership interests in one or more separate trusts, the assets of which evidence direct or indirect beneficial ownership interests in certain Ginnie Mae Certificates. Each Underlying Certificate constitutes all or a portion of a class of a separate Series of certificates described in the related Underlying Certificate Disclosure Document. Each Underlying Certificate Disclosure Document may be obtained from the Information Agent as described under “Available Information” in this Supplement or on ginniemae.gov. Investors are cautioned that material changes in facts and circumstances may have occurred since the date of each Underlying Certificate Disclosure Document, including changes in prepayment rates, prevailing interest rates and other economic factors, which may limit the usefulness of, and be directly contrary to the assumptions used in preparing the information included in, the offering document. *See “Underlying Certificates” in the Base Offering Circular.*

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

The Mortgage Loans

The Mortgage Loans underlying the Group 2, 4, 8, 12, 17 and 19 Trust Assets are expected to have, on a weighted average basis, the characteristics set forth in the Terms Sheet under “Assumed Characteristics of the Mortgage Loans Underlying the Group 2, 4, 8, 12, 17 and 19 Trust Assets” and the general

characteristics described in the Base Offering Circular. The Mortgage Loans underlying the Group 3, 14 and 18 Trust Assets are expected to have, on a weighted average basis, the characteristics set forth in the Terms Sheet under “Characteristics of the Mortgage Loans Underlying the Group 3, 14 and 18 Trust Assets” and the general characteristics described in the Base Offering Circular. The Mortgage Loans will consist of first lien, single-family, fixed rate, residential mortgage loans that are insured or guaranteed by the Federal Housing Administration, the United States Department of Veterans Affairs, Rural Development (formerly the Rural Housing Service) or the United States Department of Housing and Urban Development (“HUD”). See *“The Ginnie Mae Certificates — General” in the Base Offering Circular.*

Specific information regarding the characteristics of the Mortgage Loans underlying the Trust MBS is not available. For purposes of this Supplement, certain assumptions have been made regarding the remaining terms to maturity, loan ages and, in the case of the Group 2, 4, 12, 17 and 19 and Subgroup 8A Trust Assets, Mortgage Rates of the Mortgage Loans underlying the Trust MBS. However, the actual remaining terms to maturity, loan ages and, in the case of the Group 2, 4, 12, 17 and 19 and Subgroup 8A Trust Assets, Mortgage Rates of many of the Mortgage Loans will differ from the characteristics assumed, perhaps significantly. This will be the case even if the weighted average characteristics of the Mortgage Loans are the same as the assumed characteristics. Small differences in the characteristics of the Mortgage Loans can have a significant effect on the Weighted Average Lives and yields of the Securities. See *“Risk Factors” and “Yield, Maturity and Prepayment Considerations” in this Supplement.*

The Trustee Fee

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

GINNIE MAE GUARANTY

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

DESCRIPTION OF THE SECURITIES

General

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

Form of Securities

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

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

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

Distributions

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

Interest Distributions

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

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

Categories of Classes

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

Accrual Periods

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

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

Fixed Rate Classes

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

Floating Rate and Inverse Floating Rate Classes

The Floating Rate and Inverse Floating Rate Classes will bear interest as shown under “Terms Sheet — Interest Rates” in this Supplement. The Interest Rates for the Floating Rate and Inverse Floating Rate Classes will be based on LIBOR. The Trustee or its agent will determine LIBOR on the basis of the ICE LIBOR method, as described under “Description of the Securities — Interest Rate Indices — Determination of LIBOR” in the Base Offering Circular. In the case of the Group 16 Securities, the Trustee will use the same values of LIBOR as are used for the related Underlying Certificates.

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

Weighted Average Coupon Class

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

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

Accrual Classes

Each of Classes AZ, CZ, GZ, MZ and UZ is an Accrual Class. Interest will accrue on the Accrual Classes and be distributed as described under “Terms Sheet — Accrual Classes” in this Supplement.

Principal Distributions

The Principal Distribution Amount for each Group and each Accrual Amount will be distributed to the Holders entitled thereto as described under “Terms Sheet — Allocation of Principal” in this Supplement. Investors can calculate the amount of principal to be distributed with respect to any Distribution Date by using the Class Factors published in the preceding and current months. *See “— Class Factors” below.*

Categories of Classes

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

Notional Classes

The Notional Classes will not receive principal distributions. For convenience in describing interest distributions, the Notional Classes will have the original Class Notional Balances shown on the front cover of this Supplement and on Schedule I to this Supplement. The Class Notional Balances will be reduced as shown under “Terms Sheet — Notional Classes” in this Supplement.

Residual Securities

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

Class Factors

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

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

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

Termination

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

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

Modification and Exchange

All or a portion of the Classes of REMIC Securities specified on the front cover may be exchanged for a proportionate interest in the related MX Class or Classes shown on Schedule I to this Supplement. Similarly, all or a portion of the related MX Class or Classes may be exchanged for proportionate interests in the related Class or Classes of REMIC Securities and, in the case of Combinations 3 and 4, other related MX Classes. This process may occur repeatedly.

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

In the case of Combinations 3 and 4, the related REMIC Securities may be exchanged for proportionate interests in various subcombinations of MX Classes. Similarly, all or a portion of these MX Classes may be exchanged for proportionate interests in the related REMIC Securities or in other subcombinations of the related MX Classes. Each subcombination may be effected only in proportions that result in the principal and interest entitlements of the Securities received being equal to the entitlements of the Securities surrendered. *See the example under "Description of the Securities — Modification and Exchange" in the Base Offering Circular.*

A Beneficial Owner proposing to effect an exchange must notify the Trustee through the Beneficial Owner's Book-Entry Depository participant. This notice must be received by the Trustee not later than two Business Days before the proposed exchange date. The exchange date can be any Business Day other than the last Business Day of the month. The notice must contain the outstanding principal and notional balances of the Securities to be included in the exchange and the proposed exchange date. The notice is required to be delivered to the Trustee by email to USBGNMATEam@USBank.com or in writing at its Corporate Trust Office at U.S. Bank National Association, One Federal Street, 3rd Floor, Boston, MA 02110, Attention: Ginnie Mae REMIC Program Agency Group 2020-063. The Trustee may be contacted by telephone at (617) 603-6451 and by fax at (617) 603-6644.

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

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

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

YIELD, MATURITY AND PREPAYMENT CONSIDERATIONS

General

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

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

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

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

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

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

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

Investors in the Group 1, 5, 6, 7, 9, 10, 11, 13, 15 and 16 Securities are urged to review the discussion under “Risk Factors — *The rate of payments on the underlying certificates will directly affect the rate of payments on the group 1, 5, 6, 7, 9, 10, 11, 13, 15 and 16 securities*” in this Supplement.

Accretion Directed Classes

Classes AP, F, FP, GF, GP, LG, MP, PA, PF, UD and UL are Accretion Directed Classes. The related Accrual Amounts will be applied to making principal distributions on those Classes as described in this Supplement. Each of Classes GS, IM, IU, PS, S, SP and UI is a Notional Class whose Class Notional Balance is determined by reference to the Class Principal Balance of the related Accretion Directed Class or Classes shown under “Terms Sheet — Notional Classes” in this Supplement.

Each of the Accretion Directed Classes has the AD designation in the suffix position, rather than the prefix position, in its class principal type because it does not have principal payment stability through

the applicable pricing prepayment assumption. Although the Accretion Directed Classes are entitled to receive payments from the related Accrual Amounts, they do not have principal payment stability through any constant prepayment rate significantly higher than 0% PSA, except within their Effective Ranges.

Securities that Receive Principal on the Basis of Schedules

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

Each PAC Class exhibits an Effective Range of constant prepayment rates at which such Class will receive Scheduled Payments. That range may differ from the Structuring Range used to create the related principal balance schedule. Based on the Modeling Assumptions, the *initial* Effective Ranges for the PAC Classes are as follows:

<u>Security Group</u>		<u>Initial Effective Ranges</u>
PAC Classes		
3	UD and UL (in the aggregate)	276% PSA through 400% PSA
3	MP	301% PSA through 400% PSA
14	AP and PF (in the aggregate)	260% PSA through 400% PSA
17	FP and PA (in the aggregate)	360% PSA through 420% PSA
18	F, GF, GP and LG (in the aggregate)	400% PSA through 500% PSA

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

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

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

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

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

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

Assumability

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

Final Distribution Date

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

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

Modeling Assumptions

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

1. The Mortgage Loans underlying the Group 2, 4, 8, 12, 17 and 19 Trust Assets have the assumed characteristics shown under “Assumed Characteristics of the Mortgage Loans Underlying the Group 2, 4, 8, 12, 17 and 19 Trust Assets” in the Terms Sheet and the Mortgage Loans underlying the Group 3, 14 and 18 Trust Assets have the characteristics shown under “Characteristics of the Mortgage Loans Underlying the Group 3, 14 and 18 Trust Assets” in the Terms Sheet, except in the case of information set forth under the 0% PSA Prepayment Assumption Rate, for which each Mortgage underlying a Group 2 or 12 Trust Asset is assumed to have an original and remaining term to maturity of 180 months, each Mortgage Loan underlying a Group 4, 8, 17 or 19 Trust Asset is assumed to have an original and a remaining term to maturity of 360 months and each Mortgage Loan underlying a Group 2, 4, 12, 17 or 19 or Subgroup 8A Trust Asset is assumed to have a Mortgage Rate of 1.50% per annum higher than the related Certificate Rate.

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

3. Distributions on the Securities are always received on the 20th day of the month, whether or not a Business Day, commencing in June 2020.

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

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

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

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

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

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

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

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

Decrement Tables

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

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

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

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

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

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

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

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

Security Group 1 PSA Prepayment Assumption Rates					
Classes MA and MI					
Distribution Date	0%	100%	285%	450%	600%
Initial Percent	100	100	100	100	100
May 2021	97	91	80	71	62
May 2022	94	83	64	50	38
May 2023	90	75	51	35	24
May 2024	87	68	41	25	15
May 2025	83	61	33	17	9
May 2026	79	55	26	12	5
May 2027	75	49	20	8	3
May 2028	71	43	16	6	2
May 2029	67	38	12	4	1
May 2030	62	34	10	3	1
May 2031	58	29	7	2	0
May 2032	53	25	6	1	0
May 2033	47	21	4	1	0
May 2034	42	18	3	1	0
May 2035	36	14	2	0	0
May 2036	30	11	2	0	0
May 2037	24	9	1	0	0
May 2038	18	6	1	0	0
May 2039	11	3	0	0	0
May 2040	4	1	0	0	0
May 2041	0	0	0	0	0
May 2042	0	0	0	0	0
May 2043	0	0	0	0	0
May 2044	0	0	0	0	0
May 2045	0	0	0	0	0
May 2046	0	0	0	0	0
May 2047	0	0	0	0	0
May 2048	0	0	0	0	0
May 2049	0	0	0	0	0
May 2050	0	0	0	0	0
Weighted Average Life (years)	11.8	7.9	4.3	2.8	2.1

Security Group 2 PSA Prepayment Assumption Rates						
Classes B and BI						
Distribution Date	0%	100%	300%	462%	750%	1,000%
Initial Percent	100	100	100	100	100	100
May 2021	95	93	89	86	80	75
May 2022	91	84	72	64	50	38
May 2023	86	74	56	43	26	14
May 2024	80	64	42	29	13	5
May 2025	75	56	32	19	7	2
May 2026	69	48	24	13	3	1
May 2027	62	40	18	8	2	0
May 2028	56	33	13	5	1	0
May 2029	49	27	9	3	0	0
May 2030	42	21	6	2	0	0
May 2031	34	16	4	1	0	0
May 2032	26	11	2	1	0	0
May 2033	18	6	1	0	0	0
May 2034	9	2	0	0	0	0
May 2035	0	0	0	0	0	0
Weighted Average Life (years)	8.4	6.3	4.2	3.3	2.3	1.9

Security Group 3 PSA Prepayment Assumption Rates																				
Distribution Date	Class DI					Class ID					Classes IM and MP					Classes IU and UD				
	0%	275%	370%	400%	800%	0%	275%	370%	400%	800%	0%	275%	370%	400%	800%	0%	275%	370%	400%	800%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
May 2021	97	92	92	92	92	97	92	92	92	92	98	92	92	92	92	97	92	92	92	92
May 2022	95	77	77	77	61	95	78	77	77	60	95	78	77	77	59	95	77	77	77	61
May 2023	92	60	60	60	31	92	61	60	60	31	92	62	59	59	30	92	60	60	60	31
May 2024	89	46	46	46	16	89	47	45	45	16	90	48	45	45	15	89	46	46	46	15
May 2025	86	34	34	34	8	87	35	34	34	8	87	37	33	33	8	86	34	34	34	7
May 2026	83	25	25	25	4	84	26	25	25	4	84	27	25	25	4	83	25	25	25	3
May 2027	80	19	19	19	2	80	19	19	19	2	81	20	18	18	2	80	18	18	18	1
May 2028	77	14	14	14	1	77	14	14	14	1	78	13	13	13	1	76	13	13	13	0
May 2029	73	10	10	10	0	74	10	10	10	0	75	10	10	10	1	73	10	10	10	0
May 2030	70	7	7	7	0	71	7	7	7	0	72	7	7	7	0	69	7	7	7	0
May 2031	66	5	5	5	0	67	5	5	5	0	68	5	5	5	0	66	5	5	5	0
May 2032	62	4	4	4	0	63	4	4	4	0	65	4	4	4	0	62	3	3	3	0
May 2033	58	3	3	3	0	60	3	3	3	0	61	3	3	3	0	58	2	2	2	0
May 2034	54	2	2	2	0	56	2	2	2	0	57	2	2	2	0	54	1	1	1	0
May 2035	50	1	1	1	0	52	1	1	1	0	53	1	1	1	0	50	1	1	1	0
May 2036	46	1	1	1	0	47	1	1	1	0	49	1	1	1	0	45	0	0	0	0
May 2037	41	1	1	1	0	43	1	1	1	0	45	1	1	1	0	41	0	0	0	0
May 2038	37	0	0	0	0	38	1	1	1	0	40	1	1	1	0	36	0	0	0	0
May 2039	32	0	0	0	0	34	0	0	0	0	36	0	0	0	0	31	0	0	0	0
May 2040	27	0	0	0	0	29	0	0	0	0	31	0	0	0	0	26	0	0	0	0
May 2041	22	0	0	0	0	24	0	0	0	0	26	0	0	0	0	21	0	0	0	0
May 2042	16	0	0	0	0	19	0	0	0	0	21	0	0	0	0	16	0	0	0	0
May 2043	11	0	0	0	0	13	0	0	0	0	16	0	0	0	0	10	0	0	0	0
May 2044	5	0	0	0	0	8	0	0	0	0	11	0	0	0	0	4	0	0	0	0
May 2045	0	0	0	0	0	3	0	0	0	0	5	0	0	0	0	0	0	0	0	0
May 2046	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
May 2047	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
May 2048	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
May 2049	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
May 2050	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average																				
Life (years)	14.2	4.5	4.5	4.5	2.7	14.5	4.6	4.5	4.5	2.6	14.9	4.6	4.5	4.5	2.6	14.1	4.5	4.5	4.5	2.6

PSA Prepayment Assumption Rates																				
Distribution Date	Class MZ					Class UI					Class UL					Class UZ				
	0%	275%	370%	400%	800%	0%	275%	370%	400%	800%	0%	275%	370%	400%	800%	0%	275%	370%	400%	800%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
May 2021	103	103	89	83	3	97	92	92	92	92	100	100	100	100	100	103	103	88	84	21
May 2022	106	106	65	48	0	95	77	77	77	61	100	100	100	100	100	106	106	62	49	0
May 2023	109	109	43	15	0	92	60	60	60	31	100	100	100	100	100	109	109	38	17	0
May 2024	113	113	33	2	0	89	46	46	46	16	100	100	100	100	100	113	113	27	2	0
May 2025	116	116	32	0	0	86	34	34	34	8	100	100	100	100	100	116	116	25	0	0
May 2026	120	120	30	0	0	83	25	25	25	4	100	100	100	100	100	120	113	23	0	0
May 2027	123	123	27	0	0	80	19	19	19	2	100	100	100	100	100	123	106	21	0	0
May 2028	127	124	24	0	0	77	14	14	14	1	100	100	100	100	100	127	96	18	0	0
May 2029	131	110	20	0	0	73	10	10	10	1	100	100	100	100	81	131	86	16	0	0
May 2030	135	96	17	0	0	70	8	8	8	0	100	100	100	100	41	135	75	13	0	0
May 2031	139	82	14	0	0	66	6	6	6	0	100	100	100	100	21	139	64	11	0	0
May 2032	143	70	11	0	0	62	4	4	4	0	100	100	100	100	10	143	55	9	0	0
May 2033	148	59	9	0	0	58	3	3	3	0	100	100	100	100	5	148	46	7	0	0
May 2034	152	49	7	0	0	54	2	2	2	0	100	100	100	100	3	152	38	6	0	0
May 2035	157	40	6	0	0	50	2	2	2	0	100	100	100	100	1	157	32	4	0	0
May 2036	162	33	5	0	0	46	1	1	1	0	100	100	100	100	1	162	26	4	0	0
May 2037	166	27	3	0	0	41	1	1	1	0	100	100	100	100	0	166	21	3	0	0
May 2038	171	22	3	0	0	37	1	1	1	0	100	87	87	87	0	171	17	2	0	0
May 2039	177	17	2	0	0	32	0	0	0	0	100	62	62	62	0	177	13	2	0	0
May 2040	182	13	2	0	0	27	0	0	0	0	100	43	43	43	0	182	10	1	0	0
May 2041	188	10	1	0	0	22	0	0	0	0	100	30	30	30	0	188	8	1	0	0
May 2042	193	8	1	0	0	16	0	0	0	0	100	21	21	21	0	193	6	1	0	0
May 2043	199	6	1	0	0	11	0	0	0	0	100	14	14	14	0	199	5	0	0	0
May 2044	205	4	0	0	0	5	0	0	0	0	100	9	9	9	0	205	3	0	0	0
May 2045	212	3	0	0	0	0	0	0	0	0	6	6	6	6	0	204	2	0	0	0
May 2046	211	2	0	0	0	0	0	0	0	0	4	4	4	4	0	164	2	0	0	0
May 2047	158	1	0	0	0	0	0	0	0	0	2	2	2	2	0	123	1	0	0	0
May 2048	103	1	0	0	0	0	0	0	0	0	1	1	1	1	0	80	1	0	0	0
May 2049	46	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36	0	0	0	0
May 2050	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average																				
Life (years)	27.9	13.7	5.0	2.0	0.6	14.2	4.6	4.6	4.6	2.7	24.9	20.3	20.3	20.3	10.2	27.4	12.7	4.3	2.0	0.7

Security Group 4 PSA Prepayment Assumption Rates						
Classes AT and IA						
Distribution Date	0%	100%	350%	592%	900%	1,200%
Initial Percent . . .	100	100	100	100	100	100
May 2021	99	96	92	87	81	75
May 2022	97	91	77	64	49	35
May 2023	96	84	60	41	22	10
May 2024	94	77	46	26	10	3
May 2025	92	71	36	16	5	1
May 2026	91	65	28	10	2	0
May 2027	89	60	21	6	1	0
May 2028	87	55	16	4	0	0
May 2029	85	50	13	3	0	0
May 2030	83	46	10	2	0	0
May 2031	80	42	7	1	0	0
May 2032	78	38	6	1	0	0
May 2033	75	34	4	0	0	0
May 2034	72	31	3	0	0	0
May 2035	69	28	2	0	0	0
May 2036	66	25	2	0	0	0
May 2037	63	22	1	0	0	0
May 2038	60	19	1	0	0	0
May 2039	56	17	1	0	0	0
May 2040	52	15	1	0	0	0
May 2041	48	13	0	0	0	0
May 2042	44	11	0	0	0	0
May 2043	40	9	0	0	0	0
May 2044	35	7	0	0	0	0
May 2045	30	6	0	0	0	0
May 2046	24	4	0	0	0	0
May 2047	19	3	0	0	0	0
May 2048	13	2	0	0	0	0
May 2049	7	1	0	0	0	0
May 2050	0	0	0	0	0	0
Weighted Average Life (years)	19.0	10.7	4.8	3.1	2.2	1.8

Security Group 5 PSA Prepayment Assumption Rates						
Class IJ						
Distribution Date	0%	100%	300%	512%	800%	1,100%
Initial Percent . . .	100	100	100	100	100	100
May 2021	96	88	73	57	36	14
May 2022	92	78	52	28	6	0
May 2023	87	67	35	11	1	0
May 2024	83	58	22	4	0	0
May 2025	78	49	12	1	0	0
May 2026	73	41	6	0	0	0
May 2027	69	34	3	0	0	0
May 2028	63	27	1	0	0	0
May 2029	58	21	0	0	0	0
May 2030	53	16	0	0	0	0
May 2031	47	11	0	0	0	0
May 2032	41	7	0	0	0	0
May 2033	35	5	0	0	0	0
May 2034	30	3	0	0	0	0
May 2035	24	2	0	0	0	0
May 2036	18	1	0	0	0	0
May 2037	12	1	0	0	0	0
May 2038	7	0	0	0	0	0
May 2039	4	0	0	0	0	0
May 2040	2	0	0	0	0	0
May 2041	1	0	0	0	0	0
May 2042	1	0	0	0	0	0
May 2043	1	0	0	0	0	0
May 2044	0	0	0	0	0	0
May 2045	0	0	0	0	0	0
May 2046	0	0	0	0	0	0
Weighted Average Life (years)	10.3	5.6	2.5	1.5	0.9	0.5

**Security Group 6
PSA Prepayment Assumption Rates**

Distribution Date	Class IB					
	0%	100%	300%	451%	750%	1,000%
Initial Percent . . .	100	100	100	100	100	100
May 2021	98	92	80	71	54	39
May 2022	95	84	64	51	29	15
May 2023	92	77	51	36	15	6
May 2024	89	70	40	25	8	2
May 2025	87	64	32	18	4	1
May 2026	84	58	25	13	2	0
May 2027	80	52	20	9	1	0
May 2028	77	47	16	6	1	0
May 2029	74	42	12	4	0	0
May 2030	70	38	10	3	0	0
May 2031	67	34	8	2	0	0
May 2032	63	30	6	1	0	0
May 2033	59	26	4	1	0	0
May 2034	55	23	3	1	0	0
May 2035	51	20	3	0	0	0
May 2036	46	17	2	0	0	0
May 2037	42	15	1	0	0	0
May 2038	37	12	1	0	0	0
May 2039	32	10	1	0	0	0
May 2040	27	8	1	0	0	0
May 2041	21	6	0	0	0	0
May 2042	16	4	0	0	0	0
May 2043	10	2	0	0	0	0
May 2044	4	1	0	0	0	0
May 2045	0	0	0	0	0	0
May 2046	0	0	0	0	0	0
Weighted Average Life (years)	14.3	8.8	4.3	2.9	1.6	1.1

**Security Group 7
PSA Prepayment Assumption Rates**

Distribution Date	Class CI					
	0%	100%	350%	610%	950%	1,300%
Initial Percent . . .	100	100	100	100	100	100
May 2021	98	96	93	89	83	77
May 2022	96	90	78	65	49	34
May 2023	94	83	61	41	21	8
May 2024	92	76	47	25	9	2
May 2025	90	70	37	16	4	0
May 2026	87	64	28	10	2	0
May 2027	85	58	22	6	1	0
May 2028	82	53	17	4	0	0
May 2029	80	48	13	2	0	0
May 2030	77	43	10	1	0	0
May 2031	74	39	7	1	0	0
May 2032	71	35	6	1	0	0
May 2033	68	31	4	0	0	0
May 2034	65	27	3	0	0	0
May 2035	62	24	2	0	0	0
May 2036	58	21	2	0	0	0
May 2037	55	18	1	0	0	0
May 2038	51	15	1	0	0	0
May 2039	47	13	1	0	0	0
May 2040	43	11	1	0	0	0
May 2041	39	9	0	0	0	0
May 2042	34	7	0	0	0	0
May 2043	30	6	0	0	0	0
May 2044	25	5	0	0	0	0
May 2045	20	4	0	0	0	0
May 2046	15	3	0	0	0	0
May 2047	10	2	0	0	0	0
May 2048	6	1	0	0	0	0
May 2049	3	0	0	0	0	0
May 2050	0	0	0	0	0	0
Weighted Average Life (years)	17.1	10.0	4.9	3.1	2.2	1.7

Security Group 8 PSA Prepayment Assumption Rates						
Classes DF, DS, DT and ET						
Distribution Date	0%	100%	400%	668%	1,050%	1,400%
Initial Percent . . .	100	100	100	100	100	100
May 2021	98	96	91	86	78	71
May 2022	97	90	73	60	42	27
May 2023	95	83	55	35	15	4
May 2024	93	76	41	21	6	1
May 2025	91	70	30	12	2	0
May 2026	89	64	22	7	1	0
May 2027	87	58	16	4	0	0
May 2028	85	53	12	2	0	0
May 2029	82	48	9	1	0	0
May 2030	80	44	7	1	0	0
May 2031	77	40	5	0	0	0
May 2032	75	36	4	0	0	0
May 2033	72	32	3	0	0	0
May 2034	69	29	2	0	0	0
May 2035	66	26	1	0	0	0
May 2036	63	23	1	0	0	0
May 2037	60	20	1	0	0	0
May 2038	56	18	0	0	0	0
May 2039	52	16	0	0	0	0
May 2040	49	14	0	0	0	0
May 2041	45	12	0	0	0	0
May 2042	41	10	0	0	0	0
May 2043	36	8	0	0	0	0
May 2044	32	7	0	0	0	0
May 2045	27	5	0	0	0	0
May 2046	22	4	0	0	0	0
May 2047	17	3	0	0	0	0
May 2048	12	2	0	0	0	0
May 2049	6	1	0	0	0	0
May 2050	0	0	0	0	0	0
Weighted Average Life (years)	18.2	10.4	4.2	2.8	1.9	1.5

Security Group 9 PSA Prepayment Assumption Rates					
Class EI					
Distribution Date	0%	100%	363%	600%	800%
Initial Percent	100	100	100	100	100
May 2021	94	84	58	34	14
May 2022	88	69	26	0	0
May 2023	82	56	2	0	0
May 2024	75	43	0	0	0
May 2025	68	30	0	0	0
May 2026	61	19	0	0	0
May 2027	54	8	0	0	0
May 2028	46	0	0	0	0
May 2029	38	0	0	0	0
May 2030	30	0	0	0	0
May 2031	21	0	0	0	0
May 2032	12	0	0	0	0
May 2033	5	0	0	0	0
May 2034	0	0	0	0	0
May 2035	0	0	0	0	0
May 2036	0	0	0	0	0
May 2037	0	0	0	0	0
May 2038	0	0	0	0	0
Weighted Average Life (years)	7.3	3.6	1.3	0.8	0.6

**Security Group 10
PSA Prepayment Assumption Rates**

<u>Distribution Date</u>	<u>Class GI</u>				
	<u>0%</u>	<u>100%</u>	<u>290%</u>	<u>450%</u>	<u>600%</u>
Initial Percent	100	100	100	100	100
May 2021	97	91	80	70	62
May 2022	93	82	63	49	38
May 2023	90	74	50	34	23
May 2024	86	67	39	24	14
May 2025	82	60	31	16	8
May 2026	78	53	24	11	5
May 2027	74	47	19	8	3
May 2028	69	42	14	5	2
May 2029	64	36	11	4	1
May 2030	59	31	8	2	1
May 2031	54	27	6	2	0
May 2032	48	22	5	1	0
May 2033	43	19	3	1	0
May 2034	37	15	2	0	0
May 2035	31	12	2	0	0
May 2036	24	9	1	0	0
May 2037	17	6	1	0	0
May 2038	11	3	0	0	0
May 2039	4	1	0	0	0
May 2040	1	0	0	0	0
May 2041	1	0	0	0	0
May 2042	1	0	0	0	0
May 2043	1	0	0	0	0
May 2044	0	0	0	0	0
May 2045	0	0	0	0	0
May 2046	0	0	0	0	0
May 2047	0	0	0	0	0
May 2048	0	0	0	0	0
May 2049	0	0	0	0	0
Weighted Average					
Life (years)	11.2	7.5	4.1	2.8	2.0

**Security Group 11
PSA Prepayment Assumption Rates**

<u>Distribution Date</u>	<u>Class HI</u>				
	<u>0%</u>	<u>100%</u>	<u>267%</u>	<u>450%</u>	<u>600%</u>
Initial Percent	100	100	100	100	100
May 2021	95	89	80	69	61
May 2022	89	79	63	48	37
May 2023	84	69	50	33	22
May 2024	77	60	39	22	13
May 2025	71	52	30	15	8
May 2026	64	44	22	10	4
May 2027	57	37	17	6	2
May 2028	49	30	12	4	1
May 2029	41	23	8	2	1
May 2030	32	17	6	1	0
May 2031	23	12	3	1	0
May 2032	16	8	2	0	0
May 2033	11	5	1	0	0
May 2034	7	3	1	0	0
May 2035	4	2	0	0	0
May 2036	2	1	0	0	0
May 2037	1	0	0	0	0
May 2038	0	0	0	0	0
May 2039	0	0	0	0	0
May 2040	0	0	0	0	0
May 2041	0	0	0	0	0
May 2042	0	0	0	0	0
May 2043	0	0	0	0	0
May 2044	0	0	0	0	0
May 2045	0	0	0	0	0
May 2046	0	0	0	0	0
May 2047	0	0	0	0	0
May 2048	0	0	0	0	0
May 2049	0	0	0	0	0
Weighted Average					
Life (years)	7.7	5.8	3.8	2.6	2.0

Security Group 12 PSA Prepayment Assumption Rates						
Distribution Date	Classes A and AI					
	0%	100%	250%	430%	650%	900%
Initial Percent . . .	100	100	100	100	100	100
May 2021	96	92	88	84	78	72
May 2022	91	83	73	62	49	36
May 2023	86	73	58	43	28	16
May 2024	81	64	46	30	16	7
May 2025	75	55	36	20	9	3
May 2026	69	47	28	14	5	1
May 2027	63	40	21	9	3	0
May 2028	57	33	16	6	1	0
May 2029	50	27	12	4	1	0
May 2030	43	21	8	2	0	0
May 2031	35	16	6	1	0	0
May 2032	27	10	3	1	0	0
May 2033	19	6	2	0	0	0
May 2034	10	1	0	0	0	0
May 2035	0	0	0	0	0	0
Weighted Average Life (years)	8.5	6.2	4.5	3.3	2.4	1.9

Security Group 13 PSA Prepayment Assumption Rates						
Distribution Date	Classes N, NA, NB, NC, ND, NE and NI					
	0%	100%	250%	440%	650%	900%
Initial Percent	100	100	100	100	100	100
May 2021	98	92	83	73	60	45
May 2022	95	84	69	52	36	20
May 2023	93	77	57	37	21	9
May 2024	90	70	47	27	13	4
May 2025	87	64	38	19	7	2
May 2026	84	58	31	14	4	1
May 2027	81	52	25	10	3	0
May 2028	78	47	21	7	2	0
May 2029	75	43	17	5	1	0
May 2030	72	38	13	3	1	0
May 2031	68	34	11	2	0	0
May 2032	64	30	8	2	0	0
May 2033	60	26	7	1	0	0
May 2034	56	23	5	1	0	0
May 2035	52	20	4	1	0	0
May 2036	48	17	3	0	0	0
May 2037	43	14	2	0	0	0
May 2038	38	12	1	0	0	0
May 2039	33	10	1	0	0	0
May 2040	28	7	0	0	0	0
May 2041	22	5	0	0	0	0
May 2042	16	4	0	0	0	0
May 2043	10	2	0	0	0	0
May 2044	4	0	0	0	0	0
May 2045	0	0	0	0	0	0
May 2046	0	0	0	0	0	0
May 2047	0	0	0	0	0	0
May 2048	0	0	0	0	0	0
Weighted Average Life (years)	14.5	8.8	4.9	3.0	2.0	1.3

Security Group 14
PSA Prepayment Assumption Rates

Distribution Date	Classes AP, PF and PS					Class AZ				
	0%	260%	370%	400%	800%	0%	260%	370%	400%	800%
Initial Percent	100	100	100	100	100	100	100	100	100	100
May 2021	97	92	92	92	92	103	103	89	86	35
May 2022	95	79	79	79	64	106	106	64	52	0
May 2023	92	62	62	62	33	109	109	37	19	0
May 2024	89	48	48	48	17	113	113	25	3	0
May 2025	86	36	36	36	9	116	116	22	0	0
May 2026	82	26	26	26	4	120	115	21	0	0
May 2027	79	19	19	19	2	123	108	19	0	0
May 2028	76	14	14	14	1	127	99	16	0	0
May 2029	72	11	11	11	1	131	89	14	0	0
May 2030	68	8	8	8	0	135	78	12	0	0
May 2031	65	6	6	6	0	139	68	10	0	0
May 2032	61	4	4	4	0	143	58	8	0	0
May 2033	57	3	3	3	0	148	49	6	0	0
May 2034	52	2	2	2	0	152	41	5	0	0
May 2035	48	2	2	2	0	157	34	4	0	0
May 2036	43	1	1	1	0	162	28	3	0	0
May 2037	39	1	1	1	0	166	23	2	0	0
May 2038	34	1	1	1	0	171	19	2	0	0
May 2039	29	0	0	0	0	177	15	1	0	0
May 2040	24	0	0	0	0	182	12	1	0	0
May 2041	18	0	0	0	0	188	9	1	0	0
May 2042	13	0	0	0	0	193	7	1	0	0
May 2043	7	0	0	0	0	199	5	0	0	0
May 2044	1	0	0	0	0	205	4	0	0	0
May 2045	0	0	0	0	0	179	3	0	0	0
May 2046	0	0	0	0	0	144	2	0	0	0
May 2047	0	0	0	0	0	107	1	0	0	0
May 2048	0	0	0	0	0	69	1	0	0	0
May 2049	0	0	0	0	0	30	0	0	0	0
May 2050	0	0	0	0	0	0	0	0	0	0
Weighted Average										
Life (years)	13.8	4.7	4.7	4.7	2.8	27.1	13.0	4.2	2.1	0.8

Security Group 15
PSA Prepayment Assumption Rates

Distribution Date	Classes AG, BG, CG, DG, EG, G, HG and IG				
	0%	100%	178%	300%	400%
Initial Percent	100	100	100	100	100
May 2021	98	92	87	80	74
May 2022	95	84	76	64	55
May 2023	92	77	66	51	41
May 2024	90	70	57	41	30
May 2025	87	64	49	32	22
May 2026	84	58	43	25	16
May 2027	81	52	37	20	12
May 2028	77	47	31	16	9
May 2029	74	42	27	12	6
May 2030	71	38	23	10	5
May 2031	67	34	19	8	3
May 2032	63	30	16	6	2
May 2033	59	27	14	5	2
May 2034	55	23	11	3	1
May 2035	51	20	9	3	1
May 2036	47	17	8	2	1
May 2037	42	15	6	1	0
May 2038	38	12	5	1	0
May 2039	33	10	4	1	0
May 2040	28	8	3	1	0
May 2041	22	6	2	0	0
May 2042	17	4	1	0	0
May 2043	11	3	1	0	0
May 2044	5	1	0	0	0
May 2045	0	0	0	0	0
May 2046	0	0	0	0	0
Weighted Average					
Life (years)	14.4	8.9	6.5	4.3	3.3

**Security Group 16
PSA Prepayment Assumption Rates**

Distribution Date	Class AS					Class TI				
	0%	100%	282%	450%	600%	0%	100%	282%	450%	600%
Initial Percent	100	100	100	100	100	100	100	100	100	100
May 2021	97	91	80	71	62	97	91	80	71	62
May 2022	94	83	65	50	38	94	83	65	50	38
May 2023	90	75	52	35	23	90	75	52	35	23
May 2024	87	68	41	24	14	87	67	41	24	14
May 2025	83	61	33	17	9	83	61	33	17	9
May 2026	79	54	26	12	5	79	54	26	12	5
May 2027	74	48	20	8	3	74	48	20	8	3
May 2028	70	43	16	5	2	70	42	16	5	2
May 2029	65	37	12	4	1	65	37	12	3	1
May 2030	60	32	9	2	1	60	32	9	2	0
May 2031	55	28	7	1	0	55	28	7	1	0
May 2032	50	23	5	1	0	49	23	5	1	0
May 2033	44	19	4	1	0	43	19	3	0	0
May 2034	38	16	2	0	0	37	15	2	0	0
May 2035	31	12	2	0	0	31	12	1	0	0
May 2036	24	9	1	0	0	24	9	1	0	0
May 2037	17	6	1	0	0	17	5	0	0	0
May 2038	9	3	0	0	0	9	3	0	0	0
May 2039	2	1	0	0	0	2	1	0	0	0
May 2040	0	0	0	0	0	0	0	0	0	0
May 2041	0	0	0	0	0	0	0	0	0	0
May 2042	0	0	0	0	0	0	0	0	0	0
May 2043	0	0	0	0	0	0	0	0	0	0
May 2044	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	11.2	7.6	4.2	2.8	2.1	11.2	7.6	4.2	2.8	2.1

**Security Group 17
PSA Prepayment Assumption Rates**

Distribution Date	Class CZ						Classes FA and SA						Classes FP, PA and SP					
	0%	100%	360%	390%	420%	800%	0%	100%	360%	390%	420%	800%	0%	100%	360%	390%	420%	800%
Initial Percent . . .	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
May 2021	103	103	103	93	83	0	99	97	92	92	91	85	98	96	92	92	92	89
May 2022	106	106	106	76	46	0	97	91	77	75	74	56	96	90	75	75	75	59
May 2023	109	109	109	60	12	0	95	84	59	57	55	29	95	82	57	57	57	30
May 2024	113	113	113	55	1	0	94	77	46	43	40	15	93	75	42	42	42	15
May 2025	116	116	114	55	0	0	92	71	35	32	29	7	91	68	31	31	31	8
May 2026	120	120	107	51	0	0	90	65	27	24	21	4	88	62	22	22	22	4
May 2027	123	123	96	45	0	0	88	59	20	18	16	2	86	56	16	16	16	2
May 2028	127	127	84	39	0	0	86	54	16	13	11	1	84	50	12	12	12	1
May 2029	131	131	72	33	0	0	84	50	12	10	8	0	81	45	9	9	9	1
May 2030	135	135	60	27	0	0	81	45	9	7	6	0	78	40	6	6	6	0
May 2031	139	139	50	22	0	0	79	41	7	5	4	0	76	36	5	5	5	0
May 2032	143	143	40	18	0	0	76	37	5	4	3	0	73	31	3	3	3	0
May 2033	148	148	33	14	0	0	74	33	4	3	2	0	70	27	2	2	2	0
May 2034	152	152	26	11	0	0	71	30	3	2	2	0	67	24	2	2	2	0
May 2035	157	157	20	9	0	0	68	27	2	2	1	0	63	20	1	1	1	0
May 2036	162	162	16	7	0	0	65	24	2	1	1	0	60	17	1	1	1	0
May 2037	166	166	12	5	0	0	61	21	1	1	1	0	56	14	1	1	1	0
May 2038	171	171	9	4	0	0	58	19	1	1	0	0	52	11	0	0	0	0
May 2039	177	177	7	3	0	0	54	17	1	0	0	0	48	8	0	0	0	0
May 2040	182	182	5	2	0	0	51	14	0	0	0	0	44	5	0	0	0	0
May 2041	188	188	4	2	0	0	47	12	0	0	0	0	39	3	0	0	0	0
May 2042	193	193	3	1	0	0	42	10	0	0	0	0	34	1	0	0	0	0
May 2043	199	171	2	1	0	0	38	9	0	0	0	0	29	0	0	0	0	0
May 2044	205	139	1	1	0	0	33	7	0	0	0	0	24	0	0	0	0	0
May 2045	212	110	1	0	0	0	28	6	0	0	0	0	19	0	0	0	0	0
May 2046	218	84	1	0	0	0	23	4	0	0	0	0	13	0	0	0	0	0
May 2047	225	59	0	0	0	0	18	3	0	0	0	0	7	0	0	0	0	0
May 2048	231	36	0	0	0	0	12	2	0	0	0	0	1	0	0	0	0	0
May 2049	123	15	0	0	0	0	6	1	0	0	0	0	0	0	0	0	0	0
May 2050	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	29.1	25.7	11.2	6.9	1.9	0.5	18.6	10.6	4.7	4.4	4.2	2.5	17.1	9.1	4.3	4.3	4.3	2.6

Security Group 18																		
PSA Prepayment Assumption Rates																		
Distribution Date	Classes F and S						Classes FG and SG						Classes FJ and SJ					
	0%	100%	400%	470%	500%	1,000%	0%	100%	400%	470%	500%	1,000%	0%	100%	400%	470%	500%	1,000%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
May 2021	98	96	90	90	90	87	98	97	91	90	89	80	98	96	90	90	90	87
May 2022	96	90	72	72	72	49	97	91	75	71	69	45	96	90	71	71	71	48
May 2023	94	82	51	51	51	20	95	84	56	50	48	18	94	82	51	51	51	19
May 2024	92	75	36	36	36	8	93	78	42	35	33	7	92	74	35	35	35	6
May 2025	90	68	25	25	25	3	92	72	31	25	23	3	89	67	23	23	23	2
May 2026	87	61	17	17	17	1	90	66	23	18	16	1	87	61	16	16	16	1
May 2027	85	55	12	12	12	0	88	61	17	12	11	0	84	55	10	10	10	0
May 2028	82	49	8	8	8	0	86	56	13	9	7	0	82	49	6	6	6	0
May 2029	79	44	5	5	5	0	83	51	9	6	5	0	79	43	4	4	4	0
May 2030	76	39	4	4	4	0	81	46	7	4	3	0	76	38	2	2	2	0
May 2031	73	34	2	2	2	0	78	42	5	3	2	0	73	33	2	2	2	0
May 2032	70	30	2	2	2	0	76	38	4	2	2	0	70	29	1	1	1	0
May 2033	67	25	1	1	1	0	73	35	3	1	1	0	66	24	1	1	1	0
May 2034	63	21	1	1	1	0	70	31	2	1	1	0	63	20	1	1	1	0
May 2035	60	17	1	1	1	0	67	28	1	1	0	0	59	16	0	0	0	0
May 2036	56	14	0	0	0	0	64	25	1	0	0	0	55	13	0	0	0	0
May 2037	52	10	0	0	0	0	61	23	1	0	0	0	51	9	0	0	0	0
May 2038	47	7	0	0	0	0	57	20	1	0	0	0	47	6	0	0	0	0
May 2039	43	4	0	0	0	0	53	18	0	0	0	0	42	3	0	0	0	0
May 2040	38	1	0	0	0	0	50	15	0	0	0	0	37	1	0	0	0	0
May 2041	34	0	0	0	0	0	45	13	0	0	0	0	33	0	0	0	0	0
May 2042	28	0	0	0	0	0	41	11	0	0	0	0	27	0	0	0	0	0
May 2043	23	0	0	0	0	0	37	9	0	0	0	0	22	0	0	0	0	0
May 2044	17	0	0	0	0	0	32	8	0	0	0	0	16	0	0	0	0	0
May 2045	11	0	0	0	0	0	27	6	0	0	0	0	10	0	0	0	0	0
May 2046	5	0	0	0	0	0	22	5	0	0	0	0	4	0	0	0	0	0
May 2047	0	0	0	0	0	0	16	3	0	0	0	0	0	0	0	0	0	0
May 2048	0	0	0	0	0	0	11	2	0	0	0	0	0	0	0	0	0	0
May 2049	0	0	0	0	0	0	5	1	0	0	0	0	0	0	0	0	0	0
May 2050	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	16.2	8.8	3.8	3.8	3.8	2.2	18.4	10.9	4.3	3.8	3.6	2.1	16.0	8.6	3.7	3.7	3.7	2.1

PSA Prepayment Assumption Rates																		
Distribution Date	Classes GF, GP and GS						Class GZ						Class LG					
	0%	100%	400%	470%	500%	1,000%	0%	100%	400%	470%	500%	1,000%	0%	100%	400%	470%	500%	1,000%
Initial Percent	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
May 2021	98	96	90	90	90	86	103	103	103	86	79	0	100	100	100	100	100	100
May 2022	96	89	71	71	71	47	106	106	106	59	39	0	100	100	100	100	100	100
May 2023	94	81	49	49	49	16	109	109	109	37	7	0	100	100	100	100	100	100
May 2024	91	74	33	33	33	3	113	113	113	32	0	0	100	100	100	100	100	100
May 2025	89	66	21	21	21	0	116	116	109	30	0	0	100	100	100	100	100	69
May 2026	87	60	13	13	13	0	120	120	98	26	0	0	100	100	100	100	100	27
May 2027	84	53	7	7	7	0	123	123	85	22	0	0	100	100	100	100	100	11
May 2028	81	47	4	4	4	0	127	127	71	18	0	0	100	100	100	100	100	4
May 2029	78	41	1	1	1	0	131	131	58	14	0	0	100	100	100	100	100	2
May 2030	75	36	0	0	0	0	135	135	46	11	0	0	100	100	82	82	82	1
May 2031	72	31	0	0	0	0	139	139	37	8	0	0	100	100	56	56	56	0
May 2032	69	26	0	0	0	0	143	143	29	6	0	0	100	100	38	38	38	0
May 2033	65	22	0	0	0	0	148	148	22	5	0	0	100	100	25	25	25	0
May 2034	62	18	0	0	0	0	152	152	17	3	0	0	100	100	17	17	17	0
May 2035	58	14	0	0	0	0	157	157	13	3	0	0	100	100	11	11	11	0
May 2036	54	10	0	0	0	0	162	162	10	2	0	0	100	100	8	8	8	0
May 2037	49	6	0	0	0	0	166	166	7	1	0	0	100	100	5	5	5	0
May 2038	45	3	0	0	0	0	171	171	5	1	0	0	100	100	3	3	3	0
May 2039	40	0	0	0	0	0	177	177	4	1	0	0	100	94	2	2	2	0
May 2040	36	0	0	0	0	0	182	182	3	0	0	0	100	28	1	1	1	0
May 2041	30	0	0	0	0	0	188	170	2	0	0	0	100	1	1	1	1	0
May 2042	25	0	0	0	0	0	193	144	1	0	0	0	100	1	1	1	1	0
May 2043	19	0	0	0	0	0	199	121	1	0	0	0	100	0	0	0	0	0
May 2044	14	0	0	0	0	0	205	99	1	0	0	0	100	0	0	0	0	0
May 2045	7	0	0	0	0	0	212	79	0	0	0	0	100	0	0	0	0	0
May 2046	1	0	0	0	0	0	218	60	0	0	0	0	100	0	0	0	0	0
May 2047	0	0	0	0	0	0	210	42	0	0	0	0	0	0	0	0	0	0
May 2048	0	0	0	0	0	0	136	26	0	0	0	0	0	0	0	0	0	0
May 2049	0	0	0	0	0	0	59	10	0	0	0	0	0	0	0	0	0	0
May 2050	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Weighted Average Life (years)	15.7	8.3	3.4	3.4	3.4	2.0	28.3	24.6	10.0	4.2	1.8	0.5	26.5	19.7	12.1	12.1	12.1	5.7

Security Group 19 PSA Prepayment Assumption Rates						
Classes IO and TA						
Distribution Date	0%	100%	350%	637%	950%	1,300%
Initial Percent . . .	100	100	100	100	100	100
May 2021	99	96	92	86	80	74
May 2022	97	91	77	61	46	31
May 2023	96	84	59	37	20	7
May 2024	94	77	46	23	8	1
May 2025	92	71	36	14	4	0
May 2026	91	65	27	8	1	0
May 2027	89	60	21	5	1	0
May 2028	87	55	16	3	0	0
May 2029	85	50	13	2	0	0
May 2030	83	46	10	1	0	0
May 2031	80	41	7	1	0	0
May 2032	78	38	6	0	0	0
May 2033	75	34	4	0	0	0
May 2034	72	31	3	0	0	0
May 2035	69	27	2	0	0	0
May 2036	66	25	2	0	0	0
May 2037	63	22	1	0	0	0
May 2038	60	19	1	0	0	0
May 2039	56	17	1	0	0	0
May 2040	52	15	1	0	0	0
May 2041	48	13	0	0	0	0
May 2042	44	11	0	0	0	0
May 2043	40	9	0	0	0	0
May 2044	35	7	0	0	0	0
May 2045	30	6	0	0	0	0
May 2046	24	4	0	0	0	0
May 2047	19	3	0	0	0	0
May 2048	13	2	0	0	0	0
May 2049	7	1	0	0	0	0
May 2050	0	0	0	0	0	0
Weighted Average Life (years)	19.0	10.7	4.8	2.9	2.1	1.6

Yield Considerations

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

- the anticipated yield of that Class resulting from its purchase price,
- the investor's own projection of Mortgage Loan prepayment rates under a variety of scenarios,
- in the case of the Group 1, 5, 6, 7, 9, 10, 11, 13, 15 and 16 Securities, the investor's own projection of payment rates on the Underlying Certificates under a variety of scenarios and
- in the case of a Floating Rate or an Inverse Floating Rate Class or the Class TI Securities, the investor's own projection of levels of LIBOR under a variety of scenarios.

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

Prepayments: Effect on Yields

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

- In the case of Regular Securities or MX Securities purchased at a premium (especially the Interest Only Classes), faster than anticipated rates of principal payments could result in actual yields to investors that are lower than the anticipated yields.
- Investors in the Interest Only Classes should also consider the risk that rapid rates of principal payments could result in the failure of investors to recover fully their investments.

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

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

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

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

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

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

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

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

Low levels of LIBOR can reduce the yield of the Floating Rate Classes. High levels of LIBOR can reduce the yield of the Inverse Floating Rate Classes and, under certain circumstances, the Class TI Securities. In addition, the Floating Rate Classes will not necessarily benefit from a higher yield at high levels of LIBOR because the rate on such Classes is capped at a maximum rate described under “Terms Sheet — Interest Rates.”

Payment Delay: Effect on Yields of the Fixed Rate Classes

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

Yield Tables

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

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

The yields were calculated by

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

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

The information set forth in the following tables was prepared on the basis of the Modeling Assumptions and the assumptions that (1) the Interest Rate applicable to each Inverse Floating Rate Class and the Class TI Securities for each Accrual Period following the first Accrual Period will be based on the indicated level of LIBOR and (2) the purchase price of each Class (expressed as a percentage of original Class 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 MI to Prepayments Assumed Price 15.625%*

PSA Prepayment Assumption Rates				
<u>100%</u>	<u>285%</u>	<u>314%</u>	<u>450%</u>	<u>600%</u>
15.0%	2.1%	0.0%	(10.1)%	(22.0)%

SECURITY GROUP 2

Sensitivity of Class BI to Prepayments Assumed Price 8.5%*

PSA Prepayment Assumption Rates					
<u>100%</u>	<u>300%</u>	<u>462%</u>	<u>683%</u>	<u>750%</u>	<u>1,000%</u>
30.8%	20.7%	12.1%	0.0%	(3.8)%	(18.4)%

SECURITY GROUP 3

Sensitivity of Class DI to Prepayments Assumed Price 8.84375%*

PSA Prepayment Assumption Rates				
<u>275%</u>	<u>370%</u>	<u>400%</u>	<u>688%</u>	<u>800%</u>
14.3%	14.3%	14.3%	0.1%	(6.1)%

Sensitivity of Class ID to Prepayments Assumed Price 8.92165625%*

PSA Prepayment Assumption Rates				
<u>275%</u>	<u>370%</u>	<u>400%</u>	<u>675%</u>	<u>800%</u>
14.3%	13.8%	13.8%	0.0%	(6.9)%

Sensitivity of Class IM to Prepayments Assumed Price 9.0%*

PSA Prepayment Assumption Rates				
<u>275%</u>	<u>370%</u>	<u>400%</u>	<u>663%</u>	<u>800%</u>
14.3%	13.2%	13.2%	0.0%	(7.6)%

Sensitivity of Class IU to Prepayments Assumed Price 8.84375%*

PSA Prepayment Assumption Rates				
<u>275%</u>	<u>370%</u>	<u>400%</u>	<u>675%</u>	<u>800%</u>
14.0%	14.0%	14.0%	0.0%	(7.1)%

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

Sensitivity of Class UI to Prepayments
Assumed Price 8.84375%*

PSA Prepayment Assumption Rates				
<u>275%</u>	<u>370%</u>	<u>400%</u>	<u>692%</u>	<u>800%</u>
14.4%	14.4%	14.4%	0.0%	(5.9)%

SECURITY GROUP 4

Sensitivity of Class IA to Prepayments
Assumed Price 10.25%*

PSA Prepayment Assumption Rates					
<u>100%</u>	<u>350%</u>	<u>592%</u>	<u>733%</u>	<u>900%</u>	<u>1,200%</u>
34.1%	21.1%	7.9%	0.0%	(9.6)%	(27.6)%

SECURITY GROUP 5

Sensitivity of Class IJ to Prepayments
Assumed Price 5.995%*

PSA Prepayment Assumption Rates					
<u>100%</u>	<u>300%</u>	<u>374%</u>	<u>512%</u>	<u>800%</u>	<u>1,100%</u>
37.4%	11.2%	0.1%	(22.1)%	(72.2)%	**

SECURITY GROUP 6

Sensitivity of Class IB to Prepayments
Assumed Price 8.06%*

PSA Prepayment Assumption Rates					
<u>100%</u>	<u>300%</u>	<u>451%</u>	<u>547%</u>	<u>750%</u>	<u>1,000%</u>
35.7%	20.5%	8.3%	0.1%	(18.5)%	(44.6)%

SECURITY GROUP 7

Sensitivity of Class CI to Prepayments
Assumed Price 12.56%*

PSA Prepayment Assumption Rates					
<u>100%</u>	<u>350%</u>	<u>505%</u>	<u>610%</u>	<u>950%</u>	<u>1,300%</u>
21.0%	8.5%	0.0%	(5.9)%	(25.9)%	(47.7)%

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

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

SECURITY GROUP 8

Sensitivity of Class DS to Prepayments Assumed Price 26.75%*

LIBOR	PSA Prepayment Assumption Rates				
	100%	400%	668%	1,050%	1,400%
0.100%	15.1%	(1.6)%	(17.6)%	(42.1)%	(66.5)%
0.222%	14.5%	(2.2)%	(18.2)%	(42.8)%	(67.2)%
3.136%	1.7%	(15.7)%	(32.7)%	(59.9)%	(88.2)%
6.050% and above ..	**	**	**	**	**

SECURITY GROUP 9

Sensitivity of Class EI to Prepayments Assumed Price 9.435%*

PSA Prepayment Assumption Rates				
100%	153%	363%	600%	800%
11.8%	0.0%	(53.0)%	**	**

SECURITY GROUP 10

Sensitivity of Class GI to Prepayments Assumed Price 16.915%*

PSA Prepayment Assumption Rates				
100%	290%	317%	450%	600%
15.6%	2.0%	0.0%	(10.1)%	(22.2)%

SECURITY GROUP 11

Sensitivity of Class HI to Prepayments Assumed Price 19.77%*

PSA Prepayment Assumption Rates				
100%	267%	288%	450%	600%
13.0%	1.5%	0.0%	(11.9)%	(23.6)%

SECURITY GROUP 12

Sensitivity of Class AI to Prepayments Assumed Price 9.3125%*

PSA Prepayment Assumption Rates					
100%	250%	430%	650%	663%	900%
32.6%	24.3%	14.1%	0.8%	0.0%	(15.3)%

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

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

SECURITY GROUP 13

Sensitivity of Class NI to Prepayments Assumed Price 12.75%*

PSA Prepayment Assumption Rates					
<u>100%</u>	<u>250%</u>	<u>411%</u>	<u>440%</u>	<u>650%</u>	<u>900%</u>
22.6%	11.5%	0.1%	(2.2)%	(19.6)%	(43.0)%

SECURITY GROUP 14

Sensitivity of Class PS to Prepayments Assumed Price 21.375%*

<u>LIBOR</u>	PSA Prepayment Assumption Rates			
	<u>260%</u>	<u>370%</u>	<u>400%</u>	<u>800%</u>
0.100%	8.4%	8.4%	8.4%	(12.1)%
0.222%	7.7%	7.7%	7.7%	(12.9)%
3.161%	(9.9)%	(9.9)%	(9.9)%	(33.9)%
6.100% and above	**	**	**	**

SECURITY GROUP 15

Sensitivity of Class IG to Prepayments Assumed Price 11.5%*

PSA Prepayment Assumption Rates				
<u>100%</u>	<u>178%</u>	<u>300%</u>	<u>394%</u>	<u>400%</u>
21.5%	16.0%	7.1%	0.0%	(0.4)%

SECURITY GROUP 16

Sensitivity of Class AS to Prepayments Assumed Price 21.06%*

<u>LIBOR</u>	PSA Prepayment Assumption Rates			
	<u>100%</u>	<u>282%</u>	<u>450%</u>	<u>600%</u>
0.10000%	17.9%	4.9%	(8.0)%	(20.4)%
0.17075%	17.5%	4.6%	(8.4)%	(20.8)%
3.08538%	1.0%	(11.2)%	(23.4)%	(34.9)%
6.00000% and above	**	**	**	**

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

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

Sensitivity of Class TI to Prepayments
Assumed Price 0.5%*

<u>LIBOR</u>	<u>PSA Prepayment Assumption Rates</u>			
	<u>100%</u>	<u>282%</u>	<u>450%</u>	<u>600%</u>
6.00% and below	49.0%	34.4%	19.8%	5.6%
6.15%	14.2%	0.8%	(13.3)%	(27.7)%
6.50% and above	**	**	**	**

SECURITY GROUP 17

Sensitivity of Class SA to Prepayments
Assumed Price 17.5625%*

<u>LIBOR</u>	<u>PSA Prepayment Assumption Rates</u>				
	<u>100%</u>	<u>360%</u>	<u>390%</u>	<u>420%</u>	<u>800%</u>
0.100%	28.9%	15.5%	13.9%	12.3%	(8.5)%
0.184%	28.3%	14.9%	13.3%	11.8%	(9.1)%
3.117%	9.1%	(5.4)%	(7.1)%	(8.9)%	(32.2)%
6.050% and above	**	**	**	**	**

Sensitivity of Class SP to Prepayments
Assumed Price 18.5625%*

<u>LIBOR</u>	<u>PSA Prepayment Assumption Rates</u>				
	<u>100%</u>	<u>360%</u>	<u>390%</u>	<u>420%</u>	<u>800%</u>
0.100%	26.2%	11.3%	11.3%	11.3%	(8.6)%
0.184%	25.6%	10.8%	10.8%	10.8%	(9.3)%
3.142%	6.7%	(9.2)%	(9.2)%	(9.2)%	(32.2)%
6.100% and above	**	**	**	**	**

SECURITY GROUP 18

Sensitivity of Class GS to Prepayments
Assumed Price 15.5625%*

<u>LIBOR</u>	<u>PSA Prepayment Assumption Rates</u>				
	<u>100%</u>	<u>400%</u>	<u>470%</u>	<u>500%</u>	<u>1,000%</u>
0.100%	32.9%	12.6%	12.6%	12.6%	(17.2)%
0.184%	32.3%	11.9%	11.9%	11.9%	(18.1)%
3.142%	9.4%	(15.3)%	(15.3)%	(15.3)%	(52.0)%
6.100% and above ..	**	**	**	**	**

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

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

Sensitivity of Class S to Prepayments
Assumed Price 17.0%*

<u>LIBOR</u>	<u>PSA Prepayment Assumption Rates</u>				
	<u>100%</u>	<u>400%</u>	<u>470%</u>	<u>500%</u>	<u>1,000%</u>
0.100%	29.5%	11.3%	11.3%	11.3%	(15.4)%
0.184%	28.9%	10.7%	10.7%	10.7%	(16.1)%
3.142%	8.1%	(11.5)%	(11.5)%	(11.5)%	(42.8)%
6.100% and above ..	**	**	**	**	**

Sensitivity of Class SG to Prepayments
Assumed Price 16.0%*

<u>LIBOR</u>	<u>PSA Prepayment Assumption Rates</u>				
	<u>100%</u>	<u>400%</u>	<u>470%</u>	<u>500%</u>	<u>1,000%</u>
0.100%	33.4%	17.9%	14.1%	12.5%	(15.6)%
0.184%	32.8%	17.2%	13.5%	11.8%	(16.4)%
3.142%	11.5%	(5.4)%	(9.5)%	(11.3)%	(43.1)%
6.100% and above	**	**	**	**	**

Sensitivity of Class SJ to Prepayments
Assumed Price 16.5351875%*

<u>LIBOR</u>	<u>PSA Prepayment Assumption Rates</u>				
	<u>100%</u>	<u>400%</u>	<u>470%</u>	<u>500%</u>	<u>1,000%</u>
0.100%	30.5%	11.7%	11.7%	11.7%	(15.8)%
0.184%	29.9%	11.0%	11.0%	11.0%	(16.6)%
3.142%	8.5%	(12.4)%	(12.4)%	(12.4)%	(44.7)%
6.100% and above ..	**	**	**	**	**

SECURITY GROUP 19

Sensitivity of Class IO to Prepayments
Assumed Price 11.0%*

<u>PSA Prepayment Assumption Rates</u>					
<u>100%</u>	<u>350%</u>	<u>637%</u>	<u>673%</u>	<u>950%</u>	<u>1,300%</u>
31.0%	17.9%	2.1%	0.0%	(16.2)%	(37.8)%

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

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

CERTAIN UNITED STATES FEDERAL INCOME TAX CONSEQUENCES

The following tax discussion, when read in conjunction with the discussion of “Certain United States Federal Income Tax Consequences” in the Base Offering Circular, describes the material United

States federal income tax considerations for investors in the Securities. However, these two tax discussions do not purport to deal with all United States federal tax consequences applicable to all categories of investors, some of which may be subject to special rules.

REMIC Elections

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

Regular Securities

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

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

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

<u>Group(s)</u>	<u>PSA</u>
1	285%
2	462%
3 and 14	370%
4	592%
5	512%
6	451%
7	610%
8	668%
9	363%
10	290%
11	267%
12	430%
13	440%
15	178%
16	282%
17	390%
18	470%
19	637%

In the case of the Floating Rate Classes, the interest rate values to be used for these determinations are the initial Interest Rates as set forth in the Terms Sheet under “Interest Rates.” No representation is made, however, about the rate at which prepayments on the Mortgage Loans underlying any Group of Trust Assets actually will occur or the level of LIBOR at any time after the date of this Supplement. *See “Certain United States Federal Income Tax Consequences” in the Base Offering Circular.*

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

Residual Securities

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

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

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

MX Securities

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

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

ERISA MATTERS

Ginnie Mae guarantees distributions of principal and interest with respect to the Securities. The Ginnie Mae Guaranty is supported by the full faith and credit of the United States of America. The

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

Prospective Plan investors should consult with their advisors to determine whether the purchase, holding or resale of a Security could give rise to a transaction that is prohibited or is not otherwise permissible under either ERISA or the Code.

Governmental plans and certain church plans, while not subject to the fiduciary responsibility provisions of ERISA or the prohibited transaction provisions of ERISA and the Code, may nevertheless be subject to local, state or other federal laws that are substantially similar to the foregoing provisions of ERISA and the Code. Fiduciaries of any such plans should consult with their counsel before purchasing any of the Securities.

See “ERISA Considerations” in the Base Offering Circular.

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

LEGAL INVESTMENT CONSIDERATIONS

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

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

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

PLAN OF DISTRIBUTION

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

INCREASE IN SIZE

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

LEGAL MATTERS

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

Available Combinations(1)

Class	REMIC Securities		MX Securities					
	Original Class Principal Balance or Class Notional Balance	Related MX Class	Maximum Original Class Principal Balance or Class Notional Balance(2)	Principal Type(3)	Interest Rate	Interest Type(3)	CUSIP Number	Final Distribution Date(4)
Security Group 3								
Combination 1								
IM	\$ 20,833,333	ID	\$ 41,775,447	NTL(PAC/AD)	3.00%	FIX/IO	38382FHM9	May 2050
IU	4,166,666							
UI	16,775,448							
Combination 2								
IU	\$ 4,166,666	DI	\$ 20,942,114	NTL(PAC/AD)	3.00%	FIX/IO	38382FHN7	May 2050
UI	16,775,448							
Security Group 13								
Combination 3(6)								
N	\$118,082,389	NA	\$118,082,389	SC/PT	1.00%	FIX	38382FHP2	July 2047
		NB	118,082,389	SC/PT	1.25	FIX	38382FHQ0	July 2047
		NC	118,082,389	SC/PT	1.50	FIX	38382FHR8	July 2047
		ND	118,082,389	SC/PT	1.75	FIX	38382FHS6	July 2047
		NE	118,082,389	SC/PT	2.00	FIX	38382FHT4	July 2047
		NI	36,900,746	NTL(SC/PT)	4.00	FIX/IO	38382FHU1	July 2047
Security Group 15								
Combination 4(6)								
G	\$248,661,630	AG	\$248,661,630	SC/PT	1.00%	FIX	38382FHV9	October 2045
		BG	248,661,630	SC/PT	1.25	FIX	38382FHW7	October 2045
		CG	248,661,630	SC/PT	1.50	FIX	38382FHX5	October 2045
		DG	248,661,630	SC/PT	1.75	FIX	38382FHY3	October 2045
		EG	248,661,630	SC/PT	2.00	FIX	38382FHZ0	October 2045
		HG	248,661,630	SC/PT	2.25	FIX	38382FJA3	October 2045
		IG	106,569,270	NTL(SC/PT)	3.50	FIX/IO	38382FJB1	October 2045

REMIC Securities		MX Securities							
Class	Original Class Principal Balance or Class Notional Balance	Related MX Class	Maximum Original Class Principal Balance or Class Notional Balance(2)		Principal Type(3)	Interest Rate	Interest Type(3)	CUSIP Number	Final Distribution Date(4)
Security Group 18									
Combination 5									
F	\$10,463,191	FJ	\$15,463,191	PAC/AD	(5)	FLT	38382FJC9	May 2050	
GF	5,000,000								
Combination 6									
GS	\$ 5,000,000	SJ	\$15,463,191	NTL(PAC/AD)	(5)	INV/IO	38382FJD7	May 2050	
S	10,463,191								

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

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

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

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

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

(6) In the case of Combinations 3 and 4, various subcombinations are permitted. See “Description of the Securities — Modification and Exchange” in the Base Offering Circular for a discussion of subcombinations.

Schedule II

SCHEDULED PRINCIPAL BALANCES

<u>Distribution Date</u>	<u>Class MP</u>	<u>Classes UD and UL (in the aggregate)</u>	<u>Classes AP and PF (in the aggregate)</u>
Initial Balance	\$125,000,000.00	\$50,326,345.00	\$160,703,000.00
June 2020	124,497,528.52	50,123,349.63	160,120,909.11
July 2020	123,925,603.51	49,893,974.55	159,457,636.02
August 2020	123,284,621.98	49,638,368.45	158,713,544.82
September 2020	122,575,087.41	49,356,717.08	157,889,107.07
October 2020	121,797,609.54	49,049,243.17	156,984,901.71
November 2020	120,952,903.93	48,716,206.24	156,001,614.74
December 2020	120,041,791.23	48,357,902.37	154,940,038.63
January 2021	119,065,196.16	47,974,663.79	153,801,071.56
February 2021	118,024,146.21	47,566,858.53	152,585,716.37
March 2021	116,919,770.16	47,134,889.85	151,295,079.24
April 2021	115,753,296.18	46,679,195.64	149,930,368.25
May 2021	114,526,049.81	46,200,247.75	148,492,891.59
June 2021	113,239,451.55	45,698,551.19	146,984,055.56
July 2021	111,895,014.31	45,174,643.28	145,405,362.43
August 2021	110,494,340.50	44,629,092.74	143,758,407.92
September 2021	109,039,118.94	44,062,498.63	142,044,878.63
October 2021	107,531,121.50	43,475,489.29	140,266,549.09
November 2021	105,972,199.51	42,868,721.15	138,425,278.74
December 2021	104,364,280.01	42,242,877.51	136,523,008.63
January 2022	102,709,361.63	41,598,667.22	134,561,757.92
February 2022	101,009,510.49	40,936,823.32	132,543,620.27
March 2022	99,266,855.69	40,258,101.59	130,470,759.94
April 2022	97,483,584.82	39,563,279.08	128,345,407.81
May 2022	95,661,939.12	38,853,152.54	126,169,857.23
June 2022	93,804,208.67	38,128,536.85	123,946,459.67
July 2022	91,912,727.33	37,390,263.37	121,677,620.29
August 2022	89,989,867.57	36,639,178.27	119,365,793.38
September 2022	88,079,050.71	35,891,792.74	117,013,987.97
October 2022	86,201,071.51	35,156,046.25	114,682,108.96
November 2022	84,355,685.23	34,431,878.46	112,384,719.87
December 2022	82,542,323.00	33,719,104.92	110,121,302.20
January 2023	80,760,425.70	33,017,544.05	107,891,345.08
February 2023	79,009,443.82	32,327,017.10	105,694,345.15
March 2023	77,288,837.30	31,647,348.14	103,529,806.44
April 2023	75,598,075.35	30,978,363.97	101,397,240.31
May 2023	73,936,636.28	30,319,894.10	99,296,165.27
June 2023	72,304,007.39	29,671,770.71	97,226,106.95
July 2023	70,699,684.80	29,033,828.58	95,186,597.92
August 2023	69,123,173.25	28,405,905.12	93,177,177.68
September 2023	67,573,986.04	27,787,840.24	91,197,392.46
October 2023	66,051,644.81	27,179,476.37	89,246,795.21
November 2023	64,555,679.44	26,580,658.40	87,324,945.45
December 2023	63,085,627.90	25,991,233.66	85,431,409.17
January 2024	61,641,036.10	25,411,051.86	83,565,758.78

<u>Distribution Date</u>	<u>Class MP</u>	<u>Classes UD and UL (in the aggregate)</u>	<u>Classes AP and PF (in the aggregate)</u>
February 2024	\$ 60,221,457.76	\$24,839,965.06	\$ 81,727,572.97
March 2024	58,826,454.29	24,277,827.63	79,916,436.65
April 2024	57,455,594.65	23,724,496.24	78,131,940.86
May 2024	56,108,455.22	23,179,829.79	76,373,682.62
June 2024	54,784,619.67	22,643,689.40	74,641,264.95
July 2024	53,483,678.84	22,115,938.34	72,934,296.69
August 2024	52,205,230.62	21,596,442.05	71,252,392.44
September 2024	50,948,879.82	21,085,068.06	69,595,172.52
October 2024	49,714,238.08	20,581,686.00	67,962,262.81
November 2024	48,500,923.71	20,086,167.52	66,353,294.74
December 2024	47,308,561.61	19,598,386.29	64,767,905.17
January 2025	46,143,938.29	19,118,217.96	63,205,736.32
February 2025	45,007,519.94	18,647,380.44	61,666,435.67
March 2025	43,898,631.93	18,187,949.20	60,149,655.95
April 2025	42,816,615.57	17,739,651.35	58,666,488.26
May 2025	41,760,827.83	17,302,220.47	57,219,287.03
June 2025	40,730,640.88	16,875,396.43	55,807,191.02
July 2025	39,725,441.79	16,458,925.28	54,429,359.43
August 2025	38,744,632.14	16,052,559.10	53,084,971.41
September 2025	37,787,627.73	15,656,055.84	51,773,225.57
October 2025	36,853,858.19	15,269,179.18	50,493,339.51
November 2025	35,942,766.69	14,891,698.41	49,244,549.45
December 2025	35,053,809.61	14,523,388.32	48,026,109.68
January 2026	34,186,456.23	14,164,029.01	46,837,292.22
February 2026	33,340,188.42	13,813,405.81	45,677,386.37
March 2026	32,514,500.36	13,471,309.15	44,545,698.32
April 2026	31,708,898.23	13,137,534.44	43,441,550.72
May 2026	30,922,899.96	12,811,881.93	42,364,282.31
June 2026	30,156,034.89	12,494,156.64	41,313,247.56
July 2026	29,407,843.58	12,184,168.21	40,287,816.28
August 2026	28,677,877.49	11,881,730.80	39,287,373.24
September 2026	27,965,698.74	11,586,662.98	38,311,317.86
October 2026	27,270,879.86	11,298,787.66	37,359,063.82
November 2026	26,593,003.56	11,017,931.93	36,430,038.78
December 2026	25,931,662.44	10,743,927.02	35,523,683.98
January 2027	25,286,458.83	10,476,608.15	34,639,453.97
February 2027	24,657,004.49	10,215,814.47	33,776,816.29
March 2027	24,042,920.44	9,961,388.97	32,935,251.14
April 2027	23,443,836.70	9,713,178.35	32,114,251.12
May 2027	22,859,392.12	9,471,032.98	31,313,320.88
June 2027	22,289,234.13	9,234,806.79	30,531,976.89
July 2027	21,733,018.57	9,004,357.19	29,769,747.14
August 2027	21,190,409.48	8,779,544.98	29,026,170.87
September 2027	20,661,078.88	8,560,234.28	28,300,798.30
October 2027	20,144,706.65	8,346,292.44	27,593,190.36
November 2027	19,640,980.25	8,137,590.00	26,902,918.46
December 2027	19,149,594.64	7,934,000.55	26,229,564.24
January 2028	18,670,252.02	7,735,400.72	25,572,719.31

<u>Distribution Date</u>	<u>Class MP</u>	<u>Classes UD and UL (in the aggregate)</u>	<u>Classes AP and PF (in the aggregate)</u>
February 2028	\$ 18,202,661.70	\$ 7,541,670.07	\$ 24,931,985.03
March 2028	17,746,539.94	7,352,691.04	24,306,972.27
April 2028	17,301,609.75	7,168,348.86	23,697,301.20
May 2028	16,867,600.78	6,988,531.54	23,102,601.03
June 2028	16,444,249.10	6,813,129.71	22,522,509.86
July 2028	16,031,297.11	6,642,036.65	21,956,674.42
August 2028	15,628,493.34	6,475,148.17	21,404,749.88
September 2028	15,235,592.35	6,312,362.59	20,866,399.65
October 2028	14,852,354.55	6,153,580.62	20,341,295.18
November 2028	14,478,546.08	5,998,705.39	19,829,115.81
December 2028	14,113,938.67	5,847,642.32	19,329,548.50
January 2029	13,758,309.51	5,700,299.08	18,842,287.72
February 2029	13,411,441.12	5,556,585.59	18,367,035.27
March 2029	13,073,121.22	5,416,413.88	17,903,500.05
April 2029	12,743,142.62	5,279,698.11	17,451,397.95
May 2029	12,421,303.06	5,146,354.49	17,010,451.66
June 2029	12,107,405.16	5,016,301.23	16,580,390.51
July 2029	11,801,256.25	4,889,458.51	16,160,950.32
August 2029	11,502,668.26	4,765,748.40	15,751,873.22
September 2029	11,211,457.64	4,645,094.88	15,352,907.54
October 2029	10,927,445.25	4,527,423.69	14,963,807.64
November 2029	10,650,456.22	4,412,662.41	14,584,333.77
December 2029	10,380,319.89	4,300,740.32	14,214,251.92
January 2030	10,116,869.69	4,191,588.40	13,853,333.70
February 2030	9,859,943.04	4,085,139.30	13,501,356.21
March 2030	9,609,381.26	3,981,327.28	13,158,101.89
April 2030	9,365,029.48	3,880,088.17	12,823,358.40
May 2030	9,126,736.55	3,781,359.34	12,496,918.50
June 2030	8,894,354.95	3,685,079.67	12,178,579.95
July 2030	8,667,740.70	3,591,189.52	11,868,145.34
August 2030	8,446,753.29	3,499,630.66	11,565,422.01
September 2030	8,231,255.56	3,410,346.28	11,270,221.95
October 2030	8,021,113.67	3,323,280.91	10,982,361.65
November 2030	7,816,197.00	3,238,380.43	10,701,662.03
December 2030	7,616,378.06	3,155,592.03	10,427,948.31
January 2031	7,421,532.42	3,074,864.16	10,161,049.90
February 2031	7,231,538.66	2,996,146.50	9,900,800.35
March 2031	7,046,278.28	2,919,389.96	9,647,037.20
April 2031	6,865,635.63	2,844,546.63	9,399,601.89
May 2031	6,689,497.83	2,771,569.73	9,158,339.71
June 2031	6,517,754.74	2,700,413.64	8,923,099.65
July 2031	6,350,298.88	2,631,033.81	8,693,734.35
August 2031	6,187,025.33	2,563,386.79	8,470,100.01
September 2031	6,027,831.72	2,497,430.16	8,252,056.29
October 2031	5,872,618.15	2,433,122.53	8,039,466.23
November 2031	5,721,287.12	2,370,423.50	7,832,196.20
December 2031	5,573,743.50	2,309,293.66	7,630,115.76
January 2032	5,429,894.42	2,249,694.53	7,433,097.64

<u>Distribution Date</u>	<u>Class MP</u>	<u>Classes UD and UL (in the aggregate)</u>	<u>Classes AP and PF (in the aggregate)</u>
February 2032	\$ 5,289,649.30	\$ 2,191,588.59	\$ 7,241,017.66
March 2032	5,152,919.70	2,134,939.18	7,053,754.59
April 2032	5,019,619.36	2,079,710.57	6,871,190.19
May 2032	4,889,664.08	2,025,867.88	6,693,209.03
June 2032	4,762,971.68	1,973,377.06	6,519,698.50
July 2032	4,639,462.00	1,922,204.89	6,350,548.70
August 2032	4,519,056.81	1,872,318.96	6,185,652.40
September 2032	4,401,679.76	1,823,687.65	6,024,904.94
October 2032	4,287,256.35	1,776,280.07	5,868,204.22
November 2032	4,175,713.89	1,730,066.13	5,715,450.61
December 2032	4,066,981.44	1,685,016.42	5,566,546.88
January 2033	3,960,989.81	1,641,102.28	5,421,398.17
February 2033	3,857,671.44	1,598,295.71	5,279,911.90
March 2033	3,756,960.43	1,556,569.42	5,141,997.76
April 2033	3,658,792.49	1,515,896.77	5,007,567.61
May 2033	3,563,104.87	1,476,251.75	4,876,535.45
June 2033	3,469,836.34	1,437,609.01	4,748,817.38
July 2033	3,378,927.18	1,399,943.79	4,624,331.53
August 2033	3,290,319.09	1,363,231.95	4,502,998.02
September 2033	3,203,955.21	1,327,449.92	4,384,738.90
October 2033	3,119,780.04	1,292,574.71	4,269,478.12
November 2033	3,037,739.45	1,258,583.89	4,157,141.48
December 2033	2,957,780.61	1,225,455.58	4,047,656.60
January 2034	2,879,851.98	1,193,168.42	3,940,952.83
February 2034	2,803,903.27	1,161,701.57	3,836,961.26
March 2034	2,729,885.42	1,131,034.71	3,735,614.64
April 2034	2,657,750.55	1,101,148.00	3,636,847.39
May 2034	2,587,451.97	1,072,022.10	3,540,595.49
June 2034	2,518,944.10	1,043,638.12	3,446,796.49
July 2034	2,452,182.50	1,015,977.65	3,355,389.49
August 2034	2,387,123.78	989,022.71	3,266,315.03
September 2034	2,323,725.63	962,755.78	3,179,515.13
October 2034	2,261,946.77	937,159.74	3,094,933.22
November 2034	2,201,746.92	912,217.91	3,012,514.11
December 2034	2,143,086.78	887,914.02	2,932,203.95
January 2035	2,085,928.02	864,232.17	2,853,950.21
February 2035	2,030,233.25	841,156.87	2,777,701.64
March 2035	1,975,965.97	818,673.01	2,703,408.26
April 2035	1,923,090.60	796,765.85	2,631,021.28
May 2035	1,871,572.41	775,420.98	2,560,493.14
June 2035	1,821,377.53	754,624.38	2,491,777.41
July 2035	1,772,472.91	734,362.36	2,424,828.82
August 2035	1,724,826.32	714,621.57	2,359,603.19
September 2035	1,678,406.30	695,388.96	2,296,057.45
October 2035	1,633,182.19	676,651.84	2,234,149.55
November 2035	1,589,124.05	658,397.80	2,173,838.50
December 2035	1,546,202.70	640,614.76	2,115,084.29
January 2036	1,504,389.66	623,290.90	2,057,847.92

<u>Distribution Date</u>	<u>Class MP</u>	<u>Classes UD and UL (in the aggregate)</u>	<u>Classes AP and PF (in the aggregate)</u>
February 2036	\$ 1,463,657.16	\$ 606,414.73	\$ 2,002,091.33
March 2036	1,423,978.09	589,975.01	1,947,777.38
April 2036	1,385,326.03	573,960.80	1,894,869.88
May 2036	1,347,675.19	558,361.42	1,843,333.50
June 2036	1,311,000.43	543,166.44	1,793,133.78
July 2036	1,275,277.21	528,365.70	1,744,237.12
August 2036	1,240,481.62	513,949.29	1,696,610.73
September 2036	1,206,590.31	499,907.54	1,650,222.65
October 2036	1,173,580.52	486,231.02	1,605,041.69
November 2036	1,141,430.05	472,910.53	1,561,037.43
December 2036	1,110,117.23	459,937.10	1,518,180.20
January 2037	1,079,620.95	447,301.97	1,476,441.06
February 2037	1,049,920.60	434,996.61	1,435,791.79
March 2037	1,020,996.09	423,012.69	1,396,204.87
April 2037	992,827.82	411,342.09	1,357,653.44
May 2037	965,396.68	399,976.90	1,320,111.31
June 2037	938,684.01	388,909.39	1,283,552.96
July 2037	912,671.65	378,132.02	1,247,953.47
August 2037	887,341.86	367,637.46	1,213,288.55
September 2037	862,677.33	357,418.52	1,179,534.52
October 2037	838,661.21	347,468.24	1,146,668.25
November 2037	815,277.05	337,779.78	1,114,667.23
December 2037	792,508.79	328,346.50	1,083,509.48
January 2038	770,340.81	319,161.93	1,053,173.57
February 2038	748,757.83	310,219.73	1,023,638.60
March 2038	727,744.99	301,513.75	994,884.18
April 2038	707,287.76	293,037.97	966,890.45
May 2038	687,372.01	284,786.54	939,638.02
June 2038	667,983.92	276,753.72	913,107.99
July 2038	649,110.05	268,933.96	887,281.93
August 2038	630,737.27	261,321.80	862,141.87
September 2038	612,852.79	253,911.95	837,670.28
October 2038	595,444.13	246,699.25	813,850.08
November 2038	578,499.12	239,678.64	790,664.59
December 2038	562,005.89	232,845.21	768,097.57
January 2039	545,952.89	226,194.18	746,133.17
February 2039	530,328.82	219,720.86	724,755.95
March 2039	515,122.69	213,420.70	703,950.85
April 2039	500,323.77	207,289.26	683,703.16
May 2039	485,921.62	201,322.20	663,998.57
June 2039	471,906.02	195,515.30	644,823.13
July 2039	458,267.04	189,864.43	626,163.20
August 2039	444,994.98	184,365.60	608,005.52
September 2039	432,080.40	179,014.86	590,337.15
October 2039	419,514.08	173,808.42	573,145.47
November 2039	407,287.04	168,742.55	556,418.17
December 2039	395,390.51	163,813.62	540,143.27
January 2040	383,815.97	159,018.09	524,309.06

<u>Distribution Date</u>	<u>Class MP</u>	<u>Classes UD and UL (in the aggregate)</u>	<u>Classes AP and PF (in the aggregate)</u>
February 2040	\$ 372,555.08	\$ 154,352.51	\$ 508,904.15
March 2040	361,599.72	149,813.52	493,917.43
April 2040	350,942.00	145,397.84	479,338.05
May 2040	340,574.18	141,102.28	465,155.46
June 2040	330,488.76	136,923.71	451,359.36
July 2040	320,678.39	132,859.11	437,939.72
August 2040	311,135.95	128,905.51	424,886.73
September 2040	301,854.45	125,060.03	412,190.88
October 2040	292,827.10	121,319.85	399,842.85
November 2040	284,047.29	117,682.22	387,833.59
December 2040	275,508.57	114,144.48	376,154.25
January 2041	267,204.64	110,704.02	364,796.23
February 2041	259,129.37	107,358.30	353,751.13
March 2041	251,276.79	104,104.84	343,010.77
April 2041	243,641.06	100,941.23	332,567.17
May 2041	236,216.52	97,865.12	322,412.55
June 2041	228,997.62	94,874.20	312,539.34
July 2041	221,978.98	91,966.26	302,940.16
August 2041	215,155.32	89,139.10	293,607.80
September 2041	208,521.54	86,390.61	284,535.25
October 2041	202,072.63	83,718.72	275,715.67
November 2041	195,803.73	81,121.41	267,142.40
December 2041	189,710.09	78,596.71	258,808.94
January 2042	183,787.08	76,142.70	250,708.96
February 2042	178,030.21	73,757.54	242,836.29
March 2042	172,435.08	71,439.38	235,184.93
April 2042	166,997.42	69,186.46	227,749.01
May 2042	161,713.04	66,997.05	220,522.82
June 2042	156,577.89	64,869.47	213,500.80
July 2042	151,588.00	62,802.08	206,677.53
August 2042	146,739.52	60,793.27	200,047.73
September 2042	142,028.69	58,841.49	193,606.24
October 2042	137,451.84	56,945.22	187,348.06
November 2042	133,005.40	55,102.99	181,268.29
December 2042	128,685.89	53,313.34	175,362.16
January 2043	124,489.91	51,574.87	169,625.05
February 2043	120,414.18	49,886.23	164,052.43
March 2043	116,455.46	48,246.06	158,639.88
April 2043	112,610.62	46,653.08	153,383.13
May 2043	108,876.61	45,106.02	148,277.99
June 2043	105,250.45	43,603.64	143,320.37
July 2043	101,729.24	42,144.74	138,506.33
August 2043	98,310.15	40,728.15	133,831.97
September 2043	94,990.43	39,352.74	129,293.55
October 2043	91,767.40	38,017.38	124,887.39
November 2043	88,638.45	36,721.00	120,609.90
December 2043	85,601.03	35,462.54	116,457.62
January 2044	82,652.65	34,240.98	112,427.14

<u>Distribution Date</u>	<u>Class MP</u>	<u>Classes UD and UL (in the aggregate)</u>	<u>Classes AP and PF (in the aggregate)</u>
February 2044	\$ 79,790.92	\$ 33,055.32	\$ 108,515.16
March 2044	77,013.47	31,904.57	104,718.47
April 2044	74,318.01	30,787.80	101,033.92
May 2044	71,702.30	29,704.07	97,458.45
June 2044	69,164.19	28,652.48	93,989.11
July 2044	66,701.54	27,632.16	90,622.97
August 2044	64,312.29	26,642.26	87,357.24
September 2044	61,994.44	25,681.94	84,189.14
October 2044	59,746.03	24,750.38	81,116.01
November 2044	57,565.15	23,846.80	78,135.24
December 2044	55,449.95	22,970.44	75,244.29
January 2045	53,398.62	22,120.54	72,440.68
February 2045	51,409.39	21,296.37	69,722.01
March 2045	49,480.56	20,497.22	67,085.93
April 2045	47,610.45	19,722.40	64,530.15
May 2045	45,797.45	18,971.24	62,052.46
June 2045	44,039.95	18,243.08	59,650.68
July 2045	42,336.43	17,537.29	57,322.70
August 2045	40,685.39	16,853.23	55,066.48
September 2045	39,085.35	16,190.31	52,880.01
October 2045	37,534.90	15,547.93	50,761.35
November 2045	36,032.66	14,925.52	48,708.59
December 2045	34,577.27	14,322.53	46,719.90
January 2046	33,167.41	13,738.40	44,793.47
February 2046	31,801.82	13,172.62	42,927.57
March 2046	30,479.25	12,624.65	41,120.47
April 2046	29,198.48	12,094.01	39,370.54
May 2046	27,958.33	11,580.19	37,676.14
June 2046	26,757.66	11,082.73	36,035.72
July 2046	25,595.35	10,601.17	34,447.73
August 2046	24,470.31	10,135.04	32,910.70
September 2046	23,381.47	9,683.92	31,423.17
October 2046	22,327.82	9,247.37	29,983.74
November 2046	21,308.34	8,824.99	28,591.02
December 2046	20,322.06	8,416.35	27,243.69
January 2047	19,368.02	8,021.08	25,940.44
February 2047	18,445.31	7,638.79	24,680.01
March 2047	17,553.02	7,269.10	23,461.17
April 2047	16,690.28	6,911.65	22,282.71
May 2047	15,856.23	6,566.08	21,143.48
June 2047	15,050.04	6,232.07	20,042.33
July 2047	14,270.91	5,909.26	18,978.16
August 2047	13,518.05	5,597.34	17,949.89
September 2047	12,790.69	5,295.98	16,956.49
October 2047	12,088.09	5,004.88	15,996.93
November 2047	11,409.53	4,723.74	15,070.23
December 2047	10,754.30	4,452.27	14,175.41
January 2048	10,121.73	4,190.18	13,311.55

<u>Distribution Date</u>	<u>Class MP</u>	<u>Classes UD and UL (in the aggregate)</u>	<u>Classes AP and PF (in the aggregate)</u>
February 2048	\$ 9,511.13	\$ 3,937.20	\$ 12,477.73
March 2048	8,921.86	3,693.06	11,673.06
April 2048	8,353.30	3,457.49	10,896.69
May 2048	7,804.83	3,230.25	10,147.77
June 2048	7,275.85	3,011.09	9,425.49
July 2048	6,765.78	2,799.75	8,729.05
August 2048	6,274.05	2,596.02	8,057.68
September 2048	5,800.12	2,399.67	7,410.63
October 2048	5,343.46	2,210.47	6,787.17
November 2048	4,903.54	2,028.20	6,186.59
December 2048	4,479.86	1,852.66	5,608.20
January 2049	4,071.93	1,683.65	5,051.33
February 2049	3,679.26	1,520.96	4,515.32
March 2049	3,301.41	1,364.41	3,999.54
April 2049	2,937.90	1,213.80	3,503.37
May 2049	2,588.31	1,068.96	3,026.21
June 2049	2,252.21	929.71	2,567.48
July 2049	1,929.18	795.87	2,126.61
August 2049	1,618.82	667.28	1,703.05
September 2049	1,320.74	543.78	1,296.26
October 2049	1,035.93	425.78	913.46
November 2049	762.59	312.53	561.69
December 2049	500.36	203.89	224.19
January 2050	248.89	99.70	0.00
February 2050	7.84	0.00	0.00
March 2050 and thereafter	0.00	0.00	0.00

<u>Distribution Date</u>	<u>Classes FP and PA (in the aggregate)</u>	<u>Classes F, GF, GP and LG (in the aggregate)</u>
Initial Balance	\$246,892,857.00	\$47,084,360.00
June 2020	246,005,550.76	46,882,886.85
July 2020	244,960,147.42	46,646,955.45
August 2020	243,757,332.50	46,376,741.58
September 2020	242,398,081.36	46,072,491.23
October 2020	240,883,659.74	45,734,520.77
November 2020	239,215,623.48	45,363,216.83
December 2020	237,395,817.36	44,959,035.94
January 2021	235,426,373.01	44,522,503.96
February 2021	233,309,705.96	44,054,219.75
March 2021	231,048,511.85	43,554,844.82
April 2021	228,645,761.60	43,025,106.82
May 2021	226,104,695.87	42,465,797.99
June 2021	223,428,818.47	41,878,161.99
July 2021	220,621,889.06	41,263,094.94
August 2021	217,687,914.86	40,621,551.07
September 2021	214,631,141.61	39,954,535.48
October 2021	211,456,043.73	39,263,106.89
November 2021	208,167,313.63	38,548,498.00
December 2021	204,769,850.34	37,812,057.03
January 2022	201,268,747.40	37,054,965.21
February 2022	197,669,280.08	36,278,445.03
March 2022	193,976,891.99	35,483,756.78
April 2022	190,197,181.03	34,672,364.72
May 2022	186,335,884.93	33,845,582.71
June 2022	182,398,866.18	33,005,180.53
July 2022	178,392,096.60	32,153,471.38
August 2022	174,321,641.53	31,295,947.59
September 2022	170,193,643.69	30,440,934.29
October 2022	166,152,923.31	29,597,407.31
November 2022	162,197,638.69	28,773,325.57
December 2022	158,325,986.58	27,968,495.45
January 2023	154,536,201.35	27,182,464.54
February 2023	150,826,554.25	26,414,790.94
March 2023	147,195,352.64	25,665,043.07
April 2023	143,640,939.21	24,932,799.37
May 2023	140,161,691.30	24,217,648.12
June 2023	136,756,020.12	23,519,187.19
July 2023	133,422,370.09	22,837,023.82
August 2023	130,159,218.15	22,170,774.37
September 2023	126,965,073.08	21,520,064.20
October 2023	123,838,474.81	20,884,527.34
November 2023	120,777,993.81	20,263,806.40
December 2023	117,782,230.47	19,657,552.29
January 2024	114,849,814.42	19,065,424.08
February 2024	111,979,403.97	18,487,088.78
March 2024	109,169,685.51	17,922,221.17

<u>Distribution Date</u>	<u>Classes FP and PA (in the aggregate)</u>	<u>Classes F, GF, GP and LG (in the aggregate)</u>
April 2024	\$106,419,372.92	\$17,370,503.62
May 2024	103,727,206.98	16,834,872.36
June 2024	101,091,954.84	16,315,607.81
July 2024	98,512,409.48	15,812,213.48
August 2024	95,987,389.13	15,324,207.84
September 2024	93,515,736.77	14,851,123.87
October 2024	91,106,519.77	14,392,508.67
November 2024	88,758,487.09	13,947,922.98
December 2024	86,470,101.86	13,516,940.82
January 2025	84,239,865.47	13,099,149.05
February 2025	82,066,316.65	12,694,147.00
March 2025	79,948,030.51	12,301,546.12
April 2025	77,883,617.68	11,920,969.56
May 2025	75,871,723.43	11,552,051.88
June 2025	73,911,026.77	11,194,438.66
July 2025	72,000,239.67	10,847,786.20
August 2025	70,138,106.18	10,511,761.17
September 2025	68,323,401.72	10,186,040.33
October 2025	66,554,932.21	9,870,310.20
November 2025	64,831,533.40	9,564,266.79
December 2025	63,152,070.07	9,267,615.27
January 2026	61,515,435.34	8,980,069.76
February 2026	59,920,549.95	8,701,353.01
March 2026	58,366,361.59	8,431,196.16
April 2026	56,851,844.25	8,169,338.47
May 2026	55,375,997.51	7,915,527.12
June 2026	53,937,845.96	7,669,516.91
July 2026	52,536,438.57	7,431,070.08
August 2026	51,170,848.07	7,199,956.07
September 2026	49,840,170.35	6,975,951.30
October 2026	48,543,523.93	6,758,838.93
November 2026	47,280,049.35	6,548,408.74
December 2026	46,048,908.66	6,344,456.85
January 2027	44,849,284.87	6,146,785.55
February 2027	43,680,381.43	5,955,203.14
March 2027	42,541,421.71	5,769,523.71
April 2027	41,431,648.53	5,589,567.02
May 2027	40,350,323.67	5,415,158.26
June 2027	39,296,727.39	5,246,127.94
July 2027	38,270,157.98	5,082,311.70
August 2027	37,269,931.30	4,923,550.18
September 2027	36,295,380.36	4,769,688.85
October 2027	35,345,854.87	4,620,577.86
November 2027	34,420,720.86	4,476,071.92
December 2027	33,519,360.25	4,336,030.15
January 2028	32,641,170.44	4,200,315.94
February 2028	31,785,563.96	4,068,796.84

<u>Distribution Date</u>	<u>Classes FP and PA (in the aggregate)</u>	<u>Classes F, GF, GP and LG (in the aggregate)</u>
March 2028	\$ 30,951,968.08	\$ 3,941,344.42
April 2028	30,139,824.44	3,817,834.15
May 2028	29,348,588.68	3,698,145.27
June 2028	28,577,730.13	3,582,160.72
July 2028	27,826,731.41	3,469,766.98
August 2028	27,095,088.16	3,360,853.99
September 2028	26,382,308.69	3,255,315.02
October 2028	25,687,913.65	3,153,046.60
November 2028	25,011,435.73	3,053,948.42
December 2028	24,352,419.40	2,957,923.20
January 2029	23,710,420.54	2,864,876.63
February 2029	23,085,006.22	2,774,717.27
March 2029	22,475,754.41	2,687,356.47
April 2029	21,882,253.68	2,602,708.27
May 2029	21,304,102.96	2,520,689.34
June 2029	20,740,911.27	2,441,218.87
July 2029	20,192,297.48	2,364,218.54
August 2029	19,657,890.06	2,289,612.39
September 2029	19,137,326.83	2,217,326.80
October 2029	18,630,254.73	2,147,290.36
November 2029	18,136,329.62	2,079,433.89
December 2029	17,655,216.00	2,013,690.27
January 2030	17,186,586.86	1,949,994.45
February 2030	16,730,123.43	1,888,283.38
March 2030	16,285,514.96	1,828,495.90
April 2030	15,852,458.57	1,770,572.75
May 2030	15,430,658.99	1,714,456.46
June 2030	15,019,828.44	1,660,091.32
July 2030	14,619,686.38	1,607,423.33
August 2030	14,229,959.36	1,556,400.13
September 2030	13,850,380.85	1,506,970.95
October 2030	13,480,691.03	1,459,086.61
November 2030	13,120,636.68	1,412,699.40
December 2030	12,769,970.95	1,367,763.08
January 2031	12,428,453.26	1,324,232.83
February 2031	12,095,849.09	1,282,065.18
March 2031	11,771,929.86	1,241,218.03
April 2031	11,456,472.79	1,201,650.52
May 2031	11,149,260.73	1,163,323.09
June 2031	10,850,082.02	1,126,197.35
July 2031	10,558,730.37	1,090,236.12
August 2031	10,275,004.71	1,055,403.34
September 2031	9,998,709.07	1,021,664.05
October 2031	9,729,652.45	988,984.38
November 2031	9,467,648.68	957,331.49
December 2031	9,212,516.34	926,673.55
January 2032	8,964,078.57	896,979.71

<u>Distribution Date</u>	<u>Classes FP and PA (in the aggregate)</u>	<u>Classes F, GF, GP and LG (in the aggregate)</u>
February 2032	\$ 8,722,163.03	\$ 868,220.04
March 2032	8,486,601.75	840,365.57
April 2032	8,257,231.02	813,388.20
May 2032	8,033,891.28	787,260.68
June 2032	7,816,427.03	761,956.61
July 2032	7,604,686.73	737,450.42
August 2032	7,398,522.67	713,717.29
September 2032	7,197,790.93	690,733.19
October 2032	7,002,351.22	668,474.82
November 2032	6,812,066.83	646,919.59
December 2032	6,626,804.53	626,045.61
January 2033	6,446,434.48	605,831.68
February 2033	6,270,830.14	586,257.22
March 2033	6,099,868.21	567,302.32
April 2033	5,933,428.52	548,947.66
May 2033	5,771,393.95	531,174.51
June 2033	5,613,650.39	513,964.75
July 2033	5,460,086.63	497,300.77
August 2033	5,310,594.29	481,165.56
September 2033	5,165,067.77	465,542.58
October 2033	5,023,404.16	450,415.83
November 2033	4,885,503.16	435,769.82
December 2033	4,751,267.07	421,589.49
January 2034	4,620,600.64	407,860.29
February 2034	4,493,411.09	394,568.10
March 2034	4,369,608.01	381,699.24
April 2034	4,249,103.27	369,240.44
May 2034	4,131,811.04	357,178.87
June 2034	4,017,647.65	345,502.07
July 2034	3,906,531.59	334,197.97
August 2034	3,798,383.43	323,254.89
September 2034	3,693,125.79	312,661.49
October 2034	3,590,683.24	302,406.79
November 2034	3,490,982.32	292,480.16
December 2034	3,393,951.44	282,871.29
January 2035	3,299,520.84	273,570.19
February 2035	3,207,622.56	264,567.17
March 2035	3,118,190.37	255,852.87
April 2035	3,031,159.75	247,418.18
May 2035	2,946,467.86	239,254.32
June 2035	2,864,053.43	231,352.73
July 2035	2,783,856.79	223,705.16
August 2035	2,705,819.82	216,303.60
September 2035	2,629,885.86	209,140.28
October 2035	2,555,999.73	202,207.68
November 2035	2,484,107.68	195,498.52
December 2035	2,414,157.31	189,005.74

<u>Distribution Date</u>	<u>Classes FP and PA (in the aggregate)</u>	<u>Classes F, GF, GP and LG (in the aggregate)</u>
January 2036	\$ 2,346,097.61	\$ 182,722.50
February 2036	2,279,878.85	176,642.17
March 2036	2,215,452.61	170,758.33
April 2036	2,152,771.70	165,064.77
May 2036	2,091,790.16	159,555.45
June 2036	2,032,463.21	154,224.54
July 2036	1,974,747.22	149,066.38
August 2036	1,918,599.71	144,075.49
September 2036	1,863,979.26	139,246.57
October 2036	1,810,845.56	134,574.47
November 2036	1,759,159.33	130,054.21
December 2036	1,708,882.29	125,680.96
January 2037	1,659,977.16	121,450.05
February 2037	1,612,407.65	117,356.95
March 2037	1,566,138.36	113,397.27
April 2037	1,521,134.86	109,566.76
May 2037	1,477,363.58	105,861.31
June 2037	1,434,791.83	102,276.93
July 2037	1,393,387.77	98,809.75
August 2037	1,353,120.38	95,456.04
September 2037	1,313,959.46	92,212.16
October 2037	1,275,875.57	89,074.62
November 2037	1,238,840.06	86,040.00
December 2037	1,202,825.02	83,105.02
January 2038	1,167,803.26	80,266.48
February 2038	1,133,748.29	77,521.30
March 2038	1,100,634.32	74,866.48
April 2038	1,068,436.24	72,299.13
May 2038	1,037,129.58	69,816.44
June 2038	1,006,690.52	67,415.68
July 2038	977,095.85	65,094.23
August 2038	948,322.97	62,849.54
September 2038	920,349.88	60,679.14
October 2038	893,155.13	58,580.63
November 2038	866,717.86	56,551.70
December 2038	841,017.74	54,590.10
January 2039	816,034.97	52,693.67
February 2039	791,750.27	50,860.31
March 2039	768,144.88	49,087.96
April 2039	745,200.50	47,374.67
May 2039	722,899.35	45,718.52
June 2039	701,224.07	44,117.66
July 2039	680,157.81	42,570.30
August 2039	659,684.11	41,074.71
September 2039	639,786.97	39,629.21
October 2039	620,450.81	38,232.17
November 2039	601,660.45	36,882.01

<u>Distribution Date</u>	<u>Classes FP and PA (in the aggregate)</u>	<u>Classes F, GF, GP and LG (in the aggregate)</u>
December 2039	\$ 583,401.12	\$ 35,577.23
January 2040	565,658.43	34,316.33
February 2040	548,418.37	33,097.89
March 2040	531,667.31	31,920.52
April 2040	515,391.97	30,782.90
May 2040	499,579.42	29,683.71
June 2040	484,217.06	28,621.71
July 2040	469,292.65	27,595.68
August 2040	454,794.26	26,604.44
September 2040	440,710.26	25,646.86
October 2040	427,029.36	24,721.83
November 2040	413,740.54	23,828.29
December 2040	400,833.08	22,965.19
January 2041	388,296.55	22,131.55
February 2041	376,120.80	21,326.39
March 2041	364,295.94	20,548.78
April 2041	352,812.33	19,797.81
May 2041	341,660.62	19,072.60
June 2041	330,831.68	18,372.31
July 2041	320,316.64	17,696.10
August 2041	310,106.85	17,043.19
September 2041	300,193.90	16,412.80
October 2041	290,569.60	15,804.19
November 2041	281,225.99	15,216.63
December 2041	272,155.31	14,649.43
January 2042	263,350.02	14,101.92
February 2042	254,802.75	13,573.43
March 2042	246,506.36	13,063.34
April 2042	238,453.90	12,571.03
May 2042	230,638.58	12,095.91
June 2042	223,053.82	11,637.41
July 2042	215,693.20	11,194.96
August 2042	208,550.48	10,768.05
September 2042	201,619.57	10,356.14
October 2042	194,894.58	9,958.73
November 2042	188,369.73	9,575.34
December 2042	182,039.44	9,205.49
January 2043	175,898.26	8,848.73
February 2043	169,940.88	8,504.63
March 2043	164,162.15	8,172.74
April 2043	158,557.04	7,852.67
May 2043	153,120.68	7,544.01
June 2043	147,848.30	7,246.38
July 2043	142,735.29	6,959.40
August 2043	137,777.15	6,682.72
September 2043	132,969.49	6,415.98
October 2043	128,308.07	6,158.84

<u>Distribution Date</u>	<u>Classes FP and PA (in the aggregate)</u>	<u>Classes F, GF, GP and LG (in the aggregate)</u>
November 2043	\$ 123,788.74	\$ 5,910.99
December 2043	119,407.46	5,672.10
January 2044	115,160.32	5,441.86
February 2044	111,043.50	5,219.99
March 2044	107,053.30	5,006.20
April 2044	103,186.10	4,800.20
May 2044	99,438.39	4,601.74
June 2044	95,806.75	4,410.55
July 2044	92,287.87	4,226.38
August 2044	88,878.50	4,049.00
September 2044	85,575.52	3,878.17
October 2044	82,375.85	3,713.66
November 2044	79,276.54	3,555.25
December 2044	76,274.67	3,402.74
January 2045	73,367.45	3,255.92
February 2045	70,552.14	3,114.58
March 2045	67,826.07	2,978.55
April 2045	65,186.66	2,847.63
May 2045	62,631.39	2,721.65
June 2045	60,157.82	2,600.44
July 2045	57,763.57	2,483.82
August 2045	55,446.32	2,371.64
September 2045	53,203.83	2,263.75
October 2045	51,033.90	2,159.98
November 2045	48,934.42	2,060.20
December 2045	46,903.30	1,964.26
January 2046	44,938.55	1,872.03
February 2046	43,038.20	1,783.38
March 2046	41,200.37	1,698.18
April 2046	39,423.19	1,616.30
May 2046	37,704.88	1,537.64
June 2046	36,043.68	1,462.07
July 2046	34,437.91	1,389.48
August 2046	32,885.90	1,319.77
September 2046	31,386.07	1,252.84
October 2046	29,936.84	1,188.58
November 2046	28,536.71	1,126.90
December 2046	27,184.20	1,067.70
January 2047	25,877.88	1,010.90
February 2047	24,616.37	956.41
March 2047	23,398.30	904.14
April 2047	22,222.36	854.01
May 2047	21,087.29	805.95
June 2047	19,991.83	759.88
July 2047	18,934.79	715.72
August 2047	17,914.99	673.41
September 2047	16,931.29	632.88

<u>Distribution Date</u>	<u>Classes FP and PA (in the aggregate)</u>	<u>Classes F, GF, GP and LG (in the aggregate)</u>
October 2047	\$ 15,982.59	\$ 594.06
November 2047	15,067.82	556.89
December 2047	14,185.93	521.30
January 2048	13,335.90	487.25
February 2048	12,516.76	454.67
March 2048	11,727.55	423.50
April 2048	10,967.33	393.70
May 2048	10,235.21	365.20
June 2048	9,530.30	337.98
July 2048	8,851.76	311.96
August 2048	8,198.76	287.12
September 2048	7,570.49	263.40
October 2048	6,966.18	240.76
November 2048	6,385.07	219.29
December 2048	5,826.42	198.82
January 2049	5,289.52	179.29
February 2049	4,773.68	160.69
March 2049	4,278.22	142.96
April 2049	3,802.48	126.20
May 2049	3,345.84	110.24
June 2049	2,907.68	95.12
July 2049	2,487.40	80.74
August 2049	2,084.41	67.30
September 2049	1,698.16	54.63
October 2049	1,328.10	42.70
November 2049	973.70	31.52
December 2049	634.44	21.41
January 2050	309.82	12.35
February 2050	0.00	5.35
March 2050	0.00	0.83
April 2050 and thereafter	0.00	0.00

Underlying Certificates

Trust Asset Group or Subgroup	Issuer	Series	Class	Issue Date	CUSIP Number	Interest Rate	Interest Type(1)	Final Distribution Date	Principal Type(1)	Original Principal or Notional Balance of Class	Underlying Certificate Factor(2)	Principal or Notional Balance in Trust	Percentage of Class in Trust	Ginnie Mae I or II
1	Ginnie Mae	2019-071	MT(5)	June 28, 2019	38381V1V56	3.00%	FIX	June 2049	PT	\$72,157,472	0.83473495	\$ 54,233,305	89.825015643%	II
5	Ginnie Mae	2016-075	JC(3)(5)(6)	May 27, 2016	38379YF82	3.00	FIX/O	September 2043	NTL(SC/PT)	92,002,531	0.13108729	21,563,950	54.755572600	II
5	Ginnie Mae	2017-186	IG(5)(7)	December 29, 2017	38380T5L6	3.00	FIX/O	April 2045	NTL(SC/PT)	13,480,257	0.37121530	4,588,612	100.000000000	II
6	Ginnie Mae	2015-186	GI(5)	July 30, 2015	38379M1C1	3.50	FIX/O	July 2045	NTL(PAC)	16,800,000	0.95175370	5,588,159	11.428571429	II
6	Ginnie Mae	2015-111	IG(5)	August 28, 2015	38379M1C1	3.50	FIX/O	August 2045	NTL(PAC)	92,700,084	0.40634357	9,844,529	38.142857143	II
6	Ginnie Mae	2016-071	EC(3)(5)(8)	May 27, 2016	38379YF82	3.50	FIX/O	August 2045	NTL(SC/PT)	298,387,469	0.90071162	15,334,568	20.0714285003	II
7	Ginnie Mae	2020-051	IX(5)	April 30, 2020	38382E3E6	3.50	FIX/O	April 2050	NTL(PT)	1,928,955	0.99834859	10,351,368	100.000000000	II
7	Ginnie Mae	2020-051	IX(5)	April 30, 2020	38382E3E6	3.50	FIX/O	April 2050	NTL(PAC/AD)	8,929,571	0.99804737	8,929,315	100.000000000	II
9	Ginnie Mae	2012-051	MI(5)	April 30, 2012	38379HED1	3.50	FIX/O	December 2037	NTL(SC/AD)	42,857,142	0.38106526	16,360,939	100.000000000	I
9	Ginnie Mae	2013-192	MI(3)(5)	December 30, 2013	38379HED1	3.50	FIX/O	April 2038	NTL(SC/AD)	42,857,142	0.38106526	16,360,939	100.000000000	I
10	Ginnie Mae	2018-128	AI(3)(6)	September 28, 2018	38381AB33	4.50	FIX/O	March 2041	NTL(SC/PT)	22,837,594	0.74095865	7,966,485	51.6340119242	II
10	Ginnie Mae	2019-005	AI(5)	January 30, 2019	38381B2X7	4.50	FIX/O	January 2049	NTL(SC/PT)	10,212,799	0.78078855	7,966,788	100.000000000	I
10	Ginnie Mae	2019-005	DI(5)(10)	January 30, 2019	38381B2X7	4.50	FIX/O	May 2041	NTL(SC/PT)	11,642,974	0.79760692	9,966,658	100.000000000	II
10	Ginnie Mae	2019-057	IB(1)	May 30, 2019	38381VTC4	4.50	FIX/O	March 2041	NTL(SC/PT)	5,070,466	0.80513112	4,566,289	100.000000000	II
10	Ginnie Mae	2019-057	IC(12)	May 30, 2019	38381VTC4	4.50	FIX/O	March 2041	NTL(SC/PT)	5,070,466	0.80513112	4,566,289	100.000000000	II
11	Ginnie Mae	2019-002	IC(13)	February 28, 2019	38381WDE1	5.50	FIX/O	January 2043	NTL(SC/PT)	15,887,893	0.92510836	2,406,568	100.000000000	II
11	Ginnie Mae	2014-025	IC(3)(5)	August 28, 2014	38380VAD83	5.50	FIX/O	February 2044	NTL(PT)	15,887,893	0.27151357	4,032,463	65.6909070571	II
11	Ginnie Mae	2018-113	IC(14)	February 28, 2018	38380VAD83	5.50	FIX/O	August 2044	NTL(SC/PT)	15,887,893	0.27151357	4,032,463	100.000000000	II
11	Ginnie Mae	2019-020	IE(5)(15)	February 29, 2019	38380VAD83	5.50	FIX/O	February 2049	NTL(SC/PT)	15,887,893	0.27151357	4,032,463	100.000000000	II
11	Ginnie Mae	2019-020	IE(5)(15)	February 29, 2019	38380VAD83	5.50	FIX/O	February 2049	NTL(SC/PT)	15,887,893	0.27151357	4,032,463	100.000000000	II
11	Ginnie Mae	2019-136	HI(5)(16)	November 29, 2019	38380VAD83	5.50	FIX/O	February 2049	NTL(SC/PT)	15,887,893	0.27151357	4,032,463	100.000000000	II
13	Ginnie Mae	2017-134	GA(5)	July 28, 2017	38380VTC4	2.25	FIX	July 2047	IG	3,303,505	0.57182755	118,982,389	91.777777778	II
13	Ginnie Mae	2019-136	GA(5)(17)	November 29, 2019	38382A3V4	2.50	FIX	October 2045	SC/PT	100,000,000	0.93887210	82,887,210	100.000000000	II
13	Ginnie Mae	2019-136	DA(5)(17)	November 29, 2019	38382A3V4	2.50	FIX	October 2045	SC/PT	100,000,000	0.93887210	82,887,210	100.000000000	II
13	Ginnie Mae	2019-136	EA(5)(17)	November 29, 2019	38382A3V4	2.50	FIX	October 2045	SC/PT	100,000,000	0.93887210	82,887,210	100.000000000	II
16A	Ginnie Mae	2013-123	ST	August 29, 2013	38379YF82	(4)	INV/O	August 2045	NTL(PT)	35,750,000	0.30910029	7,338,510	100.000000000	II
16B	Ginnie Mae	2010-055	PS	April 30, 2010	38379YF82	(4)	INV/O	April 2040	NTL(PAC/AD)	68,750,000	0.10711875	7,585,560	100.000000000	II
16C	Ginnie Mae	2010-113	BS	September 30, 2010	38379YF82	(4)	INV/O	September 2040	NTL(PT)	100,000,000	0.10371472	10,961,298	97.000000000	II
16D	Ginnie Mae	2011-123	SH(3)(5)	September 30, 2011	38379YF82	(4)	INV/O	September 2041	NTL(PT)	107,360,663	0.28411128	6,251,584	20.4954082191	II

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

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

(3) MX Class.

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

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

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

- MX Class LI from 2013-071.
- MX Class MI from 2013-090.
- MX Class PI from 2015-066.
- REMIC Class PI from 2015-155.

(7) Class IG is backed by previously issued Ginnie Mae MX certificates, as outlined below:

- MX Class KI from 2013-079.
- MX Class PI from 2016-167.
- MX Class QI from 2016-167.

- (8) Class EI is backed by previously issued Ginnie Mae REMIC and MX certificates, which are further backed by previously issued Ginnie Mae MX certificates, as outlined below:
- MX Class MI from 2015-089, further backed by:
 - MX Class CP from 2015-066.
 - MX Class DP from 2015-066.
 - MX Class EP from 2015-066.
 - MX Class IP from 2015-066.
 - REMIC Class PI from 2015-095.
 - MX Class LI from 2015-103.
 - MX Class PI from 2015-112.
- (9) Class AI is backed by previously issued Ginnie Mae REMIC and MX certificates, as outlined below:
- REMIC Class B from 2010-077.
 - REMIC Class DB from 2010-087.
 - MX Class B from 2011-037.
- (10) Class DI is backed by previously issued Ginnie Mae REMIC certificates, which are further backed by previously issued Ginnie Mae REMIC certificates, as outlined below:
- REMIC Class KE from 2010-113.
 - REMIC Class H from 2018-033, further backed by:
 - REMIC Class ZA from 2010-003.
 - REMIC Class ZV from 2011-073.
- (11) Class IB is backed by a previously issued Ginnie Mae REMIC certificate, which is further backed by previously issued Ginnie Mae REMIC and MX certificates, as outlined below:
- REMIC Class AB from 2018-128, further backed by:
 - REMIC Class B from 2010-077.
 - REMIC Class DB from 2010-087.
 - MX Class B from 2011-037.
- (12) Class IJ is backed by previously issued Ginnie Mae REMIC and MX certificates, which are further backed by previously issued Ginnie Mae REMIC and MX certificates, as outlined below:
- MX Class ZA from 2010-059, further backed by:
 - REMIC Class ZK from 2010-044.
 - MX Class IJ from 2010-106.
 - REMIC Class AB from 2018-128, further backed by:
 - REMIC Class B from 2010-077.
 - REMIC Class DB from 2010-087.
 - MX Class B from 2011-037.

- (13) Class AI is backed by a previously issued Ginnie Mae REMIC certificate, which is further backed by previously issued Ginnie Mae REMIC and MX certificates, as outlined below:
- REMIC Class JA from 2019-057, further backed by:
 - MX Class ZA from 2010-059, further backed by:
 - REMIC Class ZK from 2010-044.
 - MX Class IJ from 2010-106.
 - MX Class KN from 2013-113.
 - MX Class PD from 2013-120.
 - REMIC Class AB from 2018-128, further backed by:
 - REMIC Class B from 2010-077.
 - REMIC Class DB from 2010-087.
 - MX Class B from 2011-037.
- (14) Class IC is backed by a previously issued Ginnie Mae REMIC certificate, as outlined below:
- REMIC Class PB from 2009-029.
- (15) Class IE is backed by a previously issued Ginnie Mae REMIC certificate, which is further backed by previously issued Ginnie Mae REMIC and MX certificates, as outlined below:
- REMIC Class AC from 2018-113, further backed by:
 - REMIC Class PB from 2009-029.
 - MX Class HD from 2010-014.
- (16) Class HI is backed by a previously issued Ginnie Mae REMIC certificate, as outlined below:
- REMIC Class AB from 2019-057.
- (17) Classes CA, DA and EA are backed by previously issued Ginnie Mae REMIC and MX certificates, as outlined below:
- MX Class GP from 2015-095.
 - MX Class PE from 2015-103.
 - REMIC Class GP from 2015-111.
 - REMIC Class IJ from 2015-111.
 - REMIC Class IQ from 2015-111.
 - REMIC Class PJ from 2015-111.
 - MX Class PA from 2015-112.
 - MX Class PB from 2015-112.
 - MX Class LD from 2015-119.
 - MX Class IJ from 2015-126.
 - MX Class PG from 2015-126.
 - MX Class CD from 2015-131.
 - MX Class LD from 2015-131.
 - MX Class MD from 2015-131.
 - MX Class ND from 2015-131.
 - MX Class NI from 2015-131.
 - MX Class NJ from 2015-153.



\$1,703,744,262

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OFFERING CIRCULAR SUPPLEMENT
May 22, 2020

J.P. Morgan
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