



Fannie Mae™

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**Fannie Mae GeMS™ Guaranteed REMIC  
Fannie Mae Multifamily REMIC Trust 2020-M34**

Structural and Collateral Term Sheet

As of [July 14, 2020]

**Fannie Mae Structured Pass-Through Certificates  
Series 2020-M34, Class AV1, AV2, A1, A2, 3A2 and APT Certificates**

**[\$869,596,427]**

(Approximate Offered Certificates)

**J.P.Morgan**

Lead Manager and Bookrunner

**BofA Securities**

Co-Manager

**Morgan Stanley**

Co-Manager

**Multi-Bank Securities Inc**

Co-Manager

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**Fannie Mae GeMS™**

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- The performance of the collateral and the value of the securities may be largely dependent on the quality of the origination and servicing of the collateral.
- The securities may be substantially dependent on the claims-paying ability of insurers or guarantors, as further described in the Offering Documents.
- The value of the securities may be diminished by market conditions unrelated to the performance of the securities.

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## Certificate Structure

Group	Class	Approximate Initial Certificate Balance or Notional Amount <sup>(1)</sup>	% of Initial Group Certificate Balance <sup>(2)</sup>	Expected Weighted Average Life (Years) <sup>(3)</sup>	Expected Principal Window (Months) <sup>(4)</sup>	Coupon Type	Pricing Speed
1	AV1	\$8,813,000	5.62%	3.85	1 - 76	Fixed	0 CPY
1	AV2	\$148,108,912	94.38%	6.69	76 - 89	Fixed	0 CPY
1	X1 <sup>(5)(6)</sup>	\$156,921,912	N/A	N/A	N/A	WAC IO <sup>(7)</sup>	100 CPY
2	A1	\$2,339,000	0.71%	4.56	1 - 95	Fixed	0 CPY
2	A2	\$325,241,515	99.29%	8.68	95 - 110	Fixed	0 CPY
2	X2 <sup>(6)(8)</sup>	\$327,580,515	N/A	N/A	N/A	WAC IO <sup>(9)</sup>	100 CPY
3	3A2	\$110,000,000	100.00%	7.70	86 - 95	Fixed	0 CPY
3	X3 <sup>(6)(10)</sup>	\$110,000,000	N/A	N/A	N/A	WAC IO <sup>(11)</sup>	100 CPY
4	APT	\$275,094,000	100.00%	8.27	9 - 107	Fixed	0 CPY
4	X4 <sup>(6)(12)</sup>	\$275,094,000	N/A	N/A	N/A	WAC IO <sup>(13)</sup>	100 CPY

- (1) The initial certificate balances and notional amounts are approximate and on the settlement date may vary by up to 5%. Underlying pools may be removed from or added to the mortgage pool prior to the settlement date within the same maximum permitted variance. Any reduction or increase in the aggregate principal balance of underlying pools within these parameters will result in changes to the initial certificate balance or notional amount of each class of certificates and to the other statistical data.
- (2) Approximate as of the settlement date.
- (3) Calculated at 0% CPY.
- (4) The expected principal window is expressed in months following the settlement date and reflects the period during which distributions of principal would be received under the pricing speed assumptions.
- (5) The Class X1 notional amount is equal to the aggregate principal certificate balance of Class AV1 and Class AV2.
- (6) Class X1, Class X2, Class X3 and Class X4 will not be offered.
- (7) For each Distribution Date, the X1 Class will bear interest during the related interest accrual period at an annual rate equal to the excess of (x) the weighted average Group 1 MBS Pass-Through Rate over (y) the weighted average of the interest rates of the AV1 and AV2 Classes, weighted on the basis of their principal balances (before giving effect to payments made on the related Distribution Date).
- (8) The Class X2 notional amount is equal to the aggregate principal certificate balance of Class A1 and Class A2.
- (9) For each Distribution Date, the X2 Class will bear interest during the related interest accrual period at an annual rate equal to the excess of (x) the weighted average Group 2 MBS Pass-Through Rate over (y) the weighted average of the interest rates of the A1 and A2 Classes, weighted on the basis of their principal balances (before giving effect to payments made on the related Distribution Date).
- (10) The Class X3 notional amount is equal to the principal certificate balance of Class 3A2.
- (11) For each Distribution Date, the X3 Class will bear interest during the related interest accrual period at an annual rate equal to the excess of (x) the weighted average Group 3 MBS Pass-Through Rate over (y) the of the interest rate of Class 3A2.
- (12) The Class X4 notional amount is equal to the principal certificate balance of Class APT.
- (13) For each Distribution Date, the X4 Class will bear interest during the related interest accrual period at an annual rate equal to the excess of (x) the weighted average Group 4 MBS Pass-Through Rate over (y) the of the interest rate of Class APT.

## Issue Characteristics

<b>Securities:</b>	[\$869,596,427] (approximate) monthly pay fixed and variable rate multi-class commercial mortgage REMIC Pass-Through Certificates (Class AV1, Class AV2, Class A1, Class A2, Class 3A2, Class APT, Class X1, Class X2, Class X3 and Class X4)
<b>Lead Manager:</b>	J.P. Morgan Securities LLC
<b>Co-Managers:</b>	BofA Securities, Morgan Stanley and Multi-Bank Securities Inc
<b>Issuer:</b>	Federal National Mortgage Association (“Fannie Mae”)
<b>Issuing Entity:</b>	Fannie Mae Multifamily REMIC Trust 2020-M34, a trust to be formed by Fannie Mae
<b>Trustee:</b>	Fannie Mae
<b>Cut-off Date:</b>	On or about July 1, 2020
<b>Settlement Date:</b>	July 30, 2020
<b>Distribution Date:</b>	The monthly distribution date for the certificates will be the 25th day of each calendar month or on the next business day if the 25th is not a business day, commencing August 2020
<b>Accrual:</b>	Each class of certificates will accrue interest on a 30/360 basis during the preceding calendar month
<b>ERISA:</b>	It is expected that all offered certificates will be ERISA eligible
<b>Tax Treatment:</b>	Double REMIC Series
<b>Form of Offering:</b>	The certificates are exempt from registration under the Securities Act of 1933 and are “exempted securities” under the Securities Exchange Act of 1934
<b>Offered Certificates:</b>	The Class AV1, Class AV2, Class A1, Class A2, Class 3A2 and Class APT Certificates
<b>Optional Termination:</b>	None
<b>Minimum Denominations:</b>	\$100,000 for the Class X1, Class X2, Class X3 and Class X4 Certificates and \$1,000 for the Class AV1, Class AV2, Class A1, Class A2, Class 3A2 and Class APT Certificates, \$1 in excess thereof
<b>Settlement Terms:</b>	Book-Entry except for Classes R and RL
<b>Analytics:</b>	Cash flows are expected to be available through Bloomberg, L.P., Intex Solutions, Inc. and Trepp, LLC

**Bloomberg Ticker:** FNA 2020-M34 <MTGE><GO>

**Risk Factors:** THE CERTIFICATES INVOLVE CERTAIN RISKS AND MAY NOT BE SUITABLE FOR ALL INVESTORS. SEE THE “RISK FACTORS” SECTION OF FANNIE MAE’S MULTIFAMILY REMIC PROSPECTUS

## Structural Overview – Group 1

**Amount of Distributions:** On each Distribution Date, certificate holders will be entitled to receive interest and any principal required to be paid on their certificates on such Distribution Date, distributed from funds available for distribution from the Group 1 MBS Pool.

**Priority of Principal:** The Group 1 Principal Distribution Amount for any Distribution Date will be allocated as follows: scheduled and unscheduled principal payments included in the principal distribution for each Group 1 MBS on an aggregate basis, sequentially to the Class AV1 and Class AV2 in that order, until retired.

**Prepayment Premiums Distribution:** On each Distribution Date, any prepayment premiums that are included in the related Group 1 MBS distributions on that date will be allocated as follows:

1. To the AV1 Class, an amount equal to 30% of the Group 1 prepayment premiums for that Distribution Date multiplied by the percentage equivalent of a fraction, the numerator of which is the principal payable to the AV1 Class on that date and the denominator of which is the aggregate principal payable to the AV1 and AV2 Classes for that Distribution Date
2. To the AV2 Class, an amount equal to 30% of the Group 1 prepayment premiums for that Distribution Date multiplied by the percentage equivalent of a fraction, the numerator of which is the principal payable to the AV2 Class on that date and the denominator of which is the aggregate principal payable to the AV1 and AV2 Classes for that Distribution Date
3. To the X1 Class, an amount equal to 70% of the Group 1 prepayment premiums for that Distribution Date

**Call Protection<sup>(1)(2)</sup>:** [25] underlying Group 1 securities (representing 100% of the Group 1 Collateral Pool) provide for a remaining yield maintenance prepayment premium term. The Group 1 Collateral Pool has a weighted average remaining yield maintenance term of [73] months.

**Guarantee:** All underlying Group 1 pools will be guaranteed by Fannie Mae with respect to the full and timely payment of interest and principal. Fannie Mae's guarantee does not cover any prepayment premium payments due on the underlying Group 1 mortgage loans.

(1) For more detail on collateral call protection, see Collateral Overview.

(2) Remaining Yield Maintenance Term (months) is calculated from the end of the month of the Cut-off Date to the Prepayment Premium End Date and would be one month longer if calculated from the beginning of the month of the Cut-off Date to the Prepayment Premium End Date.



## Structural Overview – Group 2

**Amount of Distributions:** On each Distribution Date, certificate holders will be entitled to receive interest and any principal required to be paid on their certificates on such Distribution Date, distributed from funds available for distribution from the Group 2 underlying REMIC Certificates and Group 2 MBS Pool.

**Priority of Principal:** The Group 2 Principal Distribution Amount for any Distribution Date will be allocated as follows: scheduled and unscheduled principal payments included in the principal distribution for each Group 2 underlying REMIC Certificates and Group 2 MBS Pool on an aggregate basis, sequentially to the Class A1 and Class A2 in that order, until retired.

**Prepayment Premiums  
Distribution:**

On each Distribution Date, any prepayment premiums that are included in the related Group 2 underlying REMIC Certificates and Group 2 MBS Pool distributions on that date will be allocated as follows:

1. To the A1 Class, an amount equal to 100% of the Group 2 underlying REMIC Certificates and 30% of the Group 2 MBS Pool prepayment premiums for that Distribution Date multiplied by the percentage equivalent of a fraction, the numerator of which is the principal payable to the A1 Class on that date and the denominator of which is the aggregate principal payable to the A1 and A2 Classes for that Distribution Date
2. To the A2 Class, an amount equal to 100% of the Group 2 underlying REMIC Certificates and 30% of the Group 2 MBS Pool prepayment premiums for that Distribution Date multiplied by the percentage equivalent of a fraction, the numerator of which is the principal payable to the A2 Class on that date and the denominator of which is the aggregate principal payable to the A1 and A2 Classes for that Distribution Date
3. To the X2 Class, an amount equal to 70% of the Group 2 MBS Pool prepayment premiums for that Distribution Date

**Call Protection<sup>(1)(2)</sup>:** [320] underlying Group 2 securities (representing 100% of the Group 2 underlying REMIC Certificates and Group 2 MBS Pool) provide for a remaining yield maintenance prepayment premium term. The Group 2 underlying REMIC Certificates and Group 2 MBS Pool has a weighted average remaining yield maintenance term of [98] months.

**Guarantee:** All Group 2 underlying REMIC Certificates and Group 2 MBS Pool will be guaranteed by Fannie Mae with respect to the full and timely payment of interest and principal. Fannie Mae's guarantee does not cover any prepayment premium payments due on the Group 2 underlying REMIC Certificates and Group 2 MBS Pool.

(1) For more detail on collateral call protection, see Collateral Overview.

(2) Remaining Yield Maintenance Term (months) is calculated from the end of the month of the Cut-off Date to the Prepayment Premium End Date and would be one month longer if calculated from the beginning of the month of the Cut-off Date to the Prepayment Premium End Date.

## Structural Overview – Group 3

- Amount of Distributions:** On each Distribution Date, certificate holders will be entitled to receive interest and any principal required to be paid on their certificates on such Distribution Date, distributed from funds available for distribution from the Group 3 underlying REMIC Certificates.
- Priority of Principal:** The Group 3 Principal Distribution Amount for any Distribution Date will be allocated as follows: scheduled and unscheduled principal payments included in the principal distribution for each Group 3 underlying REMIC Certificates on an aggregate basis, to the Class 3A2, until retired.
- Prepayment Premiums Distribution:** On each Distribution Date, any prepayment premiums that are included in the related Group 3 underlying REMIC Certificates distributions on that date will be allocated as follows:
1. To the 3A2 Class, an amount equal to 30% of the Group 3 prepayment premiums for that Distribution Date
  2. To the X3 Class, an amount equal to 70% of the Group 3 prepayment premiums for that Distribution Date
- Call Protection<sup>(1)(2)</sup>:** [18] underlying Group 3 securities (representing 100% of the Group 3 underlying REMIC Certificates) provide for a remaining yield maintenance prepayment premium term. The Group 3 underlying REMIC Certificates has a weighted average remaining yield maintenance term of [85] months.
- Guarantee:** All Group 3 underlying REMIC Certificates will be guaranteed by Fannie Mae with respect to the full and timely payment of interest and principal. Fannie Mae's guarantee does not cover any prepayment premium payments due on the Group 3 underlying REMIC Certificates.

(1) For more detail on collateral call protection, see Collateral Overview.

(2) Remaining Yield Maintenance Term (months) is calculated from the end of the month of the Cut-off Date to the Prepayment Premium End Date and would be one month longer if calculated from the beginning of the month of the Cut-off Date to the Prepayment Premium End Date.

## Structural Overview – Group 4

- Amount of Distributions:** On each Distribution Date, certificate holders will be entitled to receive interest and any principal required to be paid on their certificates on such Distribution Date, distributed from funds available for distribution from the Group 4 MBS Pool.
- Priority of Principal:** The Group 4 Principal Distribution Amount for any Distribution Date will be allocated as follows: scheduled and unscheduled principal payments included in the principal distribution for each Group 4 MBS on an aggregate basis, to the Class APT, until retired.
- Prepayment Premiums Distribution:** On each Distribution Date, any prepayment premiums that are included in the related MBS distributions on that date will be allocated as follows:
3. To the APT Class, an amount equal to 30% of the Group 4 prepayment premiums for that Distribution Date
  4. To the X4 Class, an amount equal to 70% of the Group 4 prepayment premiums for that Distribution Date
- Call Protection<sup>(1)(2)</sup>:** [10] underlying Group 4 securities (representing 100% of the Group 4 Collateral Pool) provide for a remaining yield maintenance prepayment premium term. The Group 4 Collateral Pool has a weighted average remaining yield maintenance term of [64] months.
- Guarantee:** All underlying Group 4 pools will be guaranteed by Fannie Mae with respect to the full and timely payment of interest and principal. Fannie Mae's guarantee does not cover any prepayment premium payments due on the underlying Group 4 mortgage loans.

(1) For more detail on collateral call protection, see Collateral Overview.

(2) Remaining Yield Maintenance Term (months) is calculated from the end of the month of the Cut-off Date to the Prepayment Premium End Date and would be one month longer if calculated from the beginning of the month of the Cut-off Date to the Prepayment Premium End Date.

## Collateral Overview – Group 1

• Aggregate Cut-off Date Balance:	\$[156,921,913]
• Number of Mortgage Loans:	[25]
• Number of Underlying Pools:	[25]
• Average Cut-off Date Balance per Mortgage Loan:	\$[6,276,877]
• Weighted Average Mortgage Rate:	[3.844%]
• Weighted Average MBS Pass-Through Rate:	[2.342%]
• Weighted Average Original Term to Maturity (months):	[92]
• Weighted Average Remaining Term to Maturity (months):	[80]
• Weighted Average Seasoning (months):	[11]
• Weighted Average Remaining Yield Maintenance Term (months) <sup>(1)</sup> :	[73]
• Weighted Average Remaining Interest Only Term (months) <sup>(2)</sup> :	[55]

(1) Remaining Yield Maintenance Term (months) is calculated from the end of the month of the Cut-off Date to the Prepayment Premium End Date and would be one month longer if calculated from the beginning of the month of the Cut-off Date to the Prepayment Premium End Date.

(2) Weighted Average Remaining Interest Only Term (months) excludes all pools that do not contain Interest Only Terms from the calculation.

**More information regarding the DUS MBS program can be found on Fannie Mae's website at:**

<https://www.fanniemae.com/resources/file/mbs/pdf/mbsenger-0819.pdf>

## Collateral Overview – Group 2

• Aggregate Cut-off Date Balance:	\$[4,496,161,901]
• Number of Mortgage Loans:	[309]
• Number of Underlying Pools:	[309]
• Number of REMIC Certificates	[5]
• Average Cut-off Date Balance per Mortgage Loan:	\$[14,050,506]
• Weighted Average Mortgage Rate:	[4.248%]
• Weighted Average MBS Pass-Through Rate:	[3.404%]
• Weighted Average Original Term to Maturity (months):	[120]
• Weighted Average Remaining Term to Maturity (months):	[105]
• Weighted Average Seasoning (months):	[16]
• Weighted Average Remaining Yield Maintenance Term (months) <sup>(1)</sup> :	[98]
• Weighted Average Remaining Interest Only Term (months) <sup>(2)</sup> :	[64]
• Underlying REMIC Trust:	2019-M9
• Class:	A2
• Date of Issue:	6/1/2019
• CUSIP Number:	3136B4VT2
• Interest Rate:	2.937
• Interest Type:	FIX
• Final Distribution Date:	June 25, 2029
• Principal Type:	SEQ
• Original Principal Balance of Contributed Portion of Class:	100,000,000
• July 2020 Class Factor:	1
• Principal Balance in the Trust:	100,000,000

## Collateral Overview – Group 2 (cont.)

• Underlying REMIC Trust:	2019-M22
• Class:	A2
• Date of Issue:	10/1/2019
• CUSIP Number:	3136B6XJ7
• Interest Rate:	2.522
• Interest Type:	FIX
• Final Distribution Date:	August 25, 2029
• Principal Type:	SEQ
• Original Principal Balance of Contributed Portion of Class:	75,000,000
• July 2020 Class Factor:	1
• Principal Balance in the Trust:	75,000,000
• Underlying REMIC Trust:	2019-M5
• Class:	A2
• Date of Issue:	4/1/2019
• CUSIP Number:	3136B4KB3
• Interest Rate:	3.273
• Interest Type:	FIX
• Final Distribution Date:	February 25, 2029
• Principal Type:	SEQ
• Original Principal Balance of Contributed Portion of Class:	44,190,923
• July 2020 Class Factor:	1
• Principal Balance in the Trust:	44,190,923
• Underlying REMIC Trust:	2019-M12
• Class:	A2
• Date of Issue:	7/1/2019
• CUSIP Number:	3136B5NV3
• Interest Rate:	2.885
• Interest Type:	FIX
• Final Distribution Date:	June 25, 2029
• Principal Type:	SEQ
• Original Principal Balance of Contributed Portion of Class:	21,111,232
• July 2020 Class Factor:	1
• Principal Balance in the Trust:	21,111,232

## Collateral Overview – Group 2 (cont.)

• Underlying REMIC Trust:	2019-M7
• Class:	A2
• Date of Issue:	5/1/2019
• CUSIP Number:	3136B4QB7
• Interest Rate:	3.143
• Interest Type:	FIX
• Final Distribution Date:	May 25, 2029
• Principal Type:	SEQ
• Original Principal Balance of Contributed Portion of Class:	20,500,000
• July 2020 Class Factor:	1
• Principal Balance in the Trust:	20,500,000

- (1) Remaining Yield Maintenance Term (months) is calculated from the end of the month of the Cut-off Date to the Prepayment Premium End Date and would be one month longer if calculated from the beginning of the month of the Cut-off Date to the Prepayment Premium End Date.
- (2) Weighted Average Remaining Interest Only Term (months) excludes all pools that do not contain Interest Only Terms from the calculation.

**More information regarding the DUS MBS program can be found on Fannie Mae's website at:**  
<https://www.fanniemae.com/resources/file/mbs/pdf/mbsenger-0819.pdf>

## **Fannie Mae Green Financing Business**

Collateral consists of 15 loans in Group 3 originated under Fannie Mae's Green Financing program and securitized as Fannie Mae Green MBS. These Green DUS mortgage loans are backed by multifamily properties that must use a portion of the loan proceeds to make capital improvements at the property that target reductions in energy and/or water use as part of Fannie Mae's Green Rewards program, or which hold a Green Building Certification.

Fannie Mae's Green Financing Program received a Light Green shading from the Center for International Climate Research (Cicero) in 2018: "Fannie Mae Multifamily Green Bond Framework provides a structured, sound and innovative approach to green financing for energy and water efficiency investments in the multifamily rental property market in the United States. The Fannie Mae Framework is aligned with the recommendations laid out in the Green Bond Principles and uses established green building certifications (GBCs) to inform its selection criteria for Green Mortgage Backed Securities (MBS)."

For more information about Fannie Mae's Multifamily Green Financing Business, please see the Green Financing Business website:

[www.fanniemaegreenfinancing.com](http://www.fanniemaegreenfinancing.com)

### **Green Rewards**

A "Green Rewards Mortgage Loan" is a mortgage loan secured by a property on which the borrower commits to making capital investments projected to reduce the annual whole-property energy consumption, water consumption or to generate energy by at least a specified threshold. The Group 3 collateral includes Green Rewards loans that delivered in 2017 and 2018. Green Rewards loans that delivered before December 2017 required the property owner to commit to making capital investments that project an annual reduction for the whole property of 20% in either energy and/or water consumption. Those Green Reward loans that delivered from December 2017 through 2018 increased the required projected annual reduction to 25% in either energy and/or water consumption. Green Rewards loans that delivered in 2019 required the property owner to commit to making capital investments that project an annual reduction for the whole property of 30% in a combination of energy and/or water consumption, of which a minimum of 15% must be attributable to savings in energy consumption through a combination of renewable energy generation and/or energy efficiency improvements.

To identify the eligible list of capital improvements, each property must undergo an ASHRAE<sup>(1)</sup> Level 2 Audit which includes an on-site visit by an energy and water assessment professional and analysis of the prior 12 months of historical utility bills.

All energy or water sources, including district steam, fuel oil, propane, wood pellets, or well water, used by all indoor and outdoor areas of the property, such as common areas, tenant units, and landscaping, must be included in the respective calculation of the whole property's historical energy and water consumption.

All Energy and Water Efficiency Measures ("EWEM") must be included either on the Completion/Repair Agreement or the Rehabilitation Reserve Agreement, with each EWEM itemized and described in sufficient detail to ensure the specific energy- or water-efficiency products or equipment are installed. Funds for the completion of all EWEMs are deposited into either the Completion/Repair Escrow or Rehabilitation Reserve Account, as applicable. The EWEM must be completed in a timely manner generally within 12 months after the Mortgage Loan Origination Date.

<sup>(1)</sup> American Society of Heating, Refrigerating and Air-Conditioning Engineers



### Green Building Certification

A “Green Building Certification” is a designation awarded by a Fannie Mae recognized third-party organization to a multifamily property that has been constructed, and/or is maintained, in a way that meets pre-defined energy and water efficiency standards or other environmental sustainability criteria. A property securing a Green Mortgage Loan must have been awarded a Green Building Certification that is recognized and approved by Fannie Mae. Recognized certifications are those from the organizations listed below:

- EarthCraft, Greater Atlanta Home Builders Association & Southface
- ENERGY STAR® Certified Homes, US EPA
- ENERGY STAR Multifamily, US EPA
- ENERGY STAR Qualified Multifamily High-Rise, US EPA
- Enterprise Green Communities Criteria, Enterprise Community Partners
- Green Globes New Construction, Green Building Initiative
- Green Globes Existing Buildings, Green Building Initiative
- GreenPoint Rated New Home Multifamily, Build It Green
- GreenPoint Rated Whole Building Existing Multifamily, Build It Green
- International Living Future Institute, ILFI Zero Energy Certification
- LEED BD+C, US Green Building Council
- LEED Homes, US Green Building Council
- LEED O+M, US Green Building Council
- NGBS Green Home Remodeling Project Certification, Home Innovation Research Labs
- NGBS Green Multifamily Building Certification, Home Innovation Research Labs
- Passive House Institute Passive House Standard
- Passive House Institute US, PHIUS+

### Tracking Energy and Water Performance

Fannie Mae Multifamily requires properties with Green Financing and properties subject to existing energy benchmarking laws to report their annual Energy Performance Metrics to their Lender. The metrics include the U.S. Environmental Protection Agency (EPA) ENERGY STAR® score for multifamily housing. For more information about the development of the ENERGY STAR® score for multifamily properties, please see the ENERGY STAR website:

[https://www.energystar.gov/buildings/tools-and-resources/energy\\_star\\_score\\_multifamily\\_housing\\_united\\_states](https://www.energystar.gov/buildings/tools-and-resources/energy_star_score_multifamily_housing_united_states)

### Impact Reporting

Fannie Mae published its 2019 Impact Report on its website and will continue to issue impact reports on an annual basis (<https://multifamily.fanniemae.com/financing-options/specialty-financing/green-financing/green-missionimpact>). The details of this report include a description of the environmental, social, and environmental impact of Green Bond issuances, and a summary of Fannie Mae’s green bond development and green financing activities in general. A breakdown of Green Bond volumes can be viewed at

<https://multifamily.fanniemae.com/financing-options/specialty-financing/green-financing/green-bonds>.

## Collateral Overview – Group 3

• Aggregate Cut-off Date Balance:	\$[532,943,206]
• Number of Mortgage Loans:	[18]
• Number of Underlying Pools:	[18]
• Number of REMIC Certificates	[1]
• Average Cut-off Date Balance per Mortgage Loan:	\$[29,607,956]
• Weighted Average Mortgage Rate:	[4.212%]
• Weighted Average MBS Pass-Through Rate:	[3.325%]
• Weighted Average Original Term to Maturity (months):	[120]
• Weighted Average Remaining Term to Maturity (months):	[92]
• Weighted Average Seasoning (months):	[28]
• Weighted Average Remaining Yield Maintenance Term (months) <sup>(1)</sup> :	[85]
• Weighted Average Remaining Interest Only Term (months) <sup>(2)</sup> :	[75]
• Underlying REMIC Trust:	2018-M8
• Class:	A2
• Date of Issue:	6/1/2018
• CUSIP Number:	3136B2GX4
• Interest Rate:	3.325
• Interest Type:	WAC
• Final Distribution Date:	June 25, 2028
• Principal Type:	SEQ
• Original Principal Balance of Contributed Portion of Class:	110,000,000
• July 2020 Class Factor:	1
• Principal Balance in the Trust:	110,000,000

(1) Remaining Yield Maintenance Term (months) is calculated from the end of the month of the Cut-off Date to the Prepayment Premium End Date and would be one month longer if calculated from the beginning of the month of the Cut-off Date to the Prepayment Premium End Date.

(2) Weighted Average Remaining Interest Only Term (months) excludes all pools that do not contain Interest Only Terms from the calculation.

**More information regarding the DUS MBS program can be found on Fannie Mae's website at:**

<https://www.fanniemae.com/resources/file/mbs/pdf/mbsenger-0819.pdf>

## Collateral Overview – Group 4

• Aggregate Cut-off Date Balance:	\$[275,094,000]
• Number of Mortgage Loans:	[10]
• Number of Underlying Pools:	[10]
• Average Cut-off Date Balance per Mortgage Loan:	\$[27,509,400]
• Weighted Average Mortgage Rate:	[4.260%]
• Weighted Average MBS Pass-Through Rate:	[3.488%]
• Weighted Average Original Term to Maturity (months):	[120]
• Weighted Average Remaining Term to Maturity (months):	[101]
• Weighted Average Seasoning (months):	[19]
• Weighted Average Remaining Yield Maintenance Term (months) <sup>(1)</sup> :	[64]
• Weighted Average Remaining Interest Only Term (months) <sup>(2)</sup> :	[62]

(1) Remaining Yield Maintenance Term (months) is calculated from the end of the month of the Cut-off Date to the Prepayment Premium End Date and would be one month longer if calculated from the beginning of the month of the Cut-off Date to the Prepayment Premium End Date.

(2) Weighted Average Remaining Interest Only Term (months) excludes all pools that do not contain Interest Only Terms from the calculation.

**More information regarding the DUS MBS program can be found on Fannie Mae's website at:**

<https://www.fanniemae.com/resources/file/mbs/pdf/mbsenger-0819.pdf>

## Collateral Stratification – Group 1

### Underlying Securities by Cut-off Date Principal Balance

Cut-off Date Principal Balance	Number of Underlying Pools	Cut-off Date Principal Balance (\$)	% of Cut-off Date Principal Balance	Weighted Average Mortgage Rate (%)	Weighted Average Pass Thru Rate (%)	Weighted Average	Weighted Average	Weighted Average Loan Age (Months)	Weighted Average Remaining Yield Maintenance (Months)
						Original Term to Maturity (Months)	Remaining Term to Maturity (Months)		
\$0 - \$9,999,999	20	55,507,454	35.37%	4.389	2.624	99	82	16	75
\$10,000,000 - \$19,999,999	3	45,612,459	29.07%	3.742	2.252	93	79	14	72
\$20,000,000 - \$29,999,999	1	25,352,000	16.16%	3.500	2.180	84	79	5	72
\$30,000,000 - \$39,999,999	1	30,450,000	19.40%	3.290	2.100	84	80	4	73
<b>Total / WA</b>	<b>25</b>	<b>156,921,913</b>	<b>100.00%</b>	<b>3.844</b>	<b>2.342</b>	<b>92</b>	<b>80</b>	<b>11</b>	<b>73</b>

### Top 10 Loan Information

Pool Number	Property Name	City	State	Property type	Cut-off Date Principal Balance (\$)	% of Cut-off Date Principal Balance	DSCR (x) <sup>(1)</sup>	LTV (%) <sup>(2)</sup>
BL5326	C1 By CLG	Marina Del Rey	CA	Multifamily	30,450,000	19.40	2.45	48.3
BL5340	Mosaic Hayward	Hayward	CA	Multifamily	25,352,000	16.16	1.25	69.5
BL6284	The Enclave At Gateway Center	Brunswick	GA	Multifamily	19,500,000	12.43	2.50	65.0
BL5427	My House On Meeting	Charleston	SC	Dedicated Student	14,625,000	9.32	1.36	65.0
AN3942	Westport Crossing	Saint Ann	MO	Multifamily	11,487,459	7.32	1.63	72.7
AN5384	Paxton Park Apartments	Harrisburg	PA	Multifamily	7,500,000	4.78	1.92	75.0
BL6081	Regent	Los Angeles	CA	Multifamily	6,378,000	4.06	2.17	62.3
AN7439	Seasons At Farmington Reserve	Bend	OR	Multifamily	4,625,000	2.95	1.86	59.7
BL4239	Tustin Apartment Homes	Yelm	WA	Multifamily	4,059,524	2.59	1.67	70.7
BL6441	Hebron Woods Mhc	Hebron	MD	Manufactured Housing	3,000,000	1.91	1.46	60.0
<b>Total / WA</b>					<b>126,976,983</b>	<b>80.92</b>	<b>1.90</b>	<b>62.9</b>

(1) DSCR calculations are based on the most recent annual amortizing data for the related mortgage loan, except for the full term interest only loan, which was based on interest only payments.

(2) LTV values are as of the loan origination date of the related mortgage loan.

## Collateral Stratification – Group 1 (cont.)

**Underlying Securities by Most Recent DSCR <sup>(1)</sup>**

	Number of Underlying Pools	Cut-off Date Principal Balance (\$)	% of Cut-off Date Principal Balance	Weighted Average Mortgage Rate (%)	Weighted Average Pass Thru Rate (%)	Weighted Average Original Term to Maturity (Months)	Weighted Average Remaining Term to Maturity (Months)	Weighted Average Loan Age (Months)	Weighted Average Remaining Yield Maintenance (Months)
<b>Most Recent Annual DSCR</b>									
1.25x - 1.49x	9	56,523,072	36.02%	3.906	2.274	85	80	6	73
1.50x - 1.99x	8	34,838,721	22.20%	4.657	2.928	112	81	31	74
2.00x - 2.49x	6	45,197,991	28.80%	3.484	2.239	88	80	7	73
2.50x - 2.99x	2	20,362,129	12.98%	3.082	1.759	85	82	2	75
<b>Total / WA</b>	<b>25</b>	<b>156,921,913</b>	<b>100.00%</b>	<b>3.844</b>	<b>2.342</b>	<b>92</b>	<b>80</b>	<b>11</b>	<b>73</b>

**Underlying Securities by At Issuance LTV <sup>(2)</sup>**

	Number of Underlying Pools	Cut-off Date Principal Balance (\$)	% of Cut-off Date Principal Balance	Weighted Average Mortgage Rate (%)	Weighted Average Pass Thru Rate (%)	Weighted Average Original Term to Maturity (Months)	Weighted Average Remaining Term to Maturity (Months)	Weighted Average Loan Age (Months)	Weighted Average Remaining Yield Maintenance (Months)
<b>UW Loan to Value Ratio</b>									
35.00% - 39.99%	1	862,129	0.55%	4.720	3.100	98	86	12	79
40.00% - 44.99%	1	2,500,000	1.59%	3.940	2.590	84	79	5	72
45.00% - 49.99%	1	30,450,000	19.40%	3.290	2.100	84	80	4	73
50.00% - 54.99%	1	1,481,127	0.94%	5.080	3.080	87	76	11	69
55.00% - 59.99%	2	7,225,000	4.60%	4.684	2.983	109	85	24	78
60.00% - 64.99%	3	10,862,676	6.92%	3.454	2.115	84	81	3	74
65.00% - 69.99%	8	70,839,030	45.14%	3.647	2.142	86	81	5	74
70.00% - 74.99%	5	21,931,961	13.98%	4.713	2.733	105	78	27	71
75.00% - 80.00%	3	10,769,991	6.86%	4.509	3.127	123	83	40	76
<b>Total / WA</b>	<b>25</b>	<b>156,921,913</b>	<b>100.00%</b>	<b>3.844</b>	<b>2.342</b>	<b>92</b>	<b>80</b>	<b>11</b>	<b>73</b>

**Underlying Securities by Current Amortization Type**

	Number of Underlying Pools	Cut-off Date Principal Balance (\$)	% of Cut-off Date Principal Balance	Weighted Average Mortgage Rate (%)	Weighted Average Pass Thru Rate (%)	Weighted Average Original Term to Maturity (Months)	Weighted Average Remaining Term to Maturity (Months)	Weighted Average Loan Age (Months)	Weighted Average Remaining Yield Maintenance (Months)
<b>Amortization Type</b>									
Amortizing/Balloon	13	37,121,921	23.66%	4.694	2.660	101	80	21	73
Interest Only/Amortizing/Balloon	7	58,371,991	37.20%	3.888	2.480	94	80	14	73
Interest Only/Balloon	5	61,428,000	39.15%	3.289	2.020	84	81	3	74
<b>Total / WA</b>	<b>25</b>	<b>156,921,913</b>	<b>100.00%</b>	<b>3.844</b>	<b>2.342</b>	<b>92</b>	<b>80</b>	<b>11</b>	<b>73</b>

**Underlying Securities by Property Type**

	Number of Underlying Pools	Cut-off Date Principal Balance (\$)	% of Cut-off Date Principal Balance	Weighted Average Mortgage Rate (%)	Weighted Average Pass Thru Rate (%)	Weighted Average Original Term to Maturity (Months)	Weighted Average Remaining Term to Maturity (Months)	Weighted Average Loan Age (Months)	Weighted Average Remaining Yield Maintenance (Months)
<b>Property Type</b>									
Dedicated Student	1	14,625,000	9.32%	3.990	2.400	84	78	6	71
Manufactured Housing	2	4,683,752	2.98%	3.996	2.344	85	80	5	73
Multifamily	22	137,613,160	87.70%	3.824	2.336	93	81	12	74
<b>Total / WA</b>	<b>25</b>	<b>156,921,913</b>	<b>100.00%</b>	<b>3.844</b>	<b>2.342</b>	<b>92</b>	<b>80</b>	<b>11</b>	<b>73</b>

(1) DSCR calculations are based on the most recent annual amortizing data for the related mortgage loan, except for the full term interest only loan, which was based on interest only payments.

(2) LTV values are as of the loan origination date of the related mortgage loan.

## Collateral Stratification – Group 1 (cont.)

### Underlying Securities by Loan Note Rate

Loan Note Rate	Number of Underlying Pools	Cut-off Date Principal Balance (\$)	% of Cut-off Date Principal Balance	Weighted Average Mortgage Rate (%)	Weighted Average Pass Thru Rate (%)	Weighted Average Original Term to Maturity (Months)	Weighted Average Remaining Term to Maturity (Months)	Weighted Average Loan Age (Months)	Weighted Average Remaining Yield Maintenance (Months)
3.00% - 3.24%	2	25,878,000	16.49%	3.052	1.791	84	82	2	75
3.25% - 3.49%	1	30,450,000	19.40%	3.290	2.100	84	80	4	73
3.50% - 3.74%	2	28,352,000	18.07%	3.500	2.177	84	79	5	72
3.75% - 3.99%	2	17,125,000	10.91%	3.983	2.428	84	78	6	71
4.25% - 4.49%	4	7,672,625	4.89%	4.404	2.834	117	86	31	79
4.50% - 4.74%	9	38,083,378	24.27%	4.625	2.787	108	81	27	74
4.75% - 4.99%	2	3,307,134	2.11%	4.880	2.587	87	80	6	73
5.00% - 5.24%	3	6,053,776	3.86%	5.050	2.899	90	79	11	72
<b>Total / WA</b>	<b>25</b>	<b>156,921,913</b>	<b>100.00%</b>	<b>3.844</b>	<b>2.342</b>	<b>92</b>	<b>80</b>	<b>11</b>	<b>73</b>

### Underlying Securities by Pass Through Rate

Pass-Through Rate	Number of Underlying Pools	Cut-off Date Principal Balance (\$)	% of Cut-off Date Principal Balance	Weighted Average Mortgage Rate (%)	Weighted Average Pass Thru Rate (%)	Weighted Average Original Term to Maturity (Months)	Weighted Average Remaining Term to Maturity (Months)	Weighted Average Loan Age (Months)	Weighted Average Remaining Yield Maintenance (Months)
1.50% - 1.74%	1	19,500,000	12.43%	3.010	1.700	84	82	2	75
2.00% - 2.24%	7	71,824,426	45.77%	3.482	2.136	84	80	4	73
2.25% - 2.49%	5	25,387,093	16.18%	4.284	2.386	86	79	7	72
2.50% - 2.74%	2	4,183,752	2.67%	4.318	2.630	85	79	6	72
2.75% - 2.99%	2	4,572,649	2.91%	5.040	2.840	91	80	11	73
3.00% - 3.24%	8	31,453,991	20.04%	4.598	3.066	119	82	37	75
<b>Total / WA</b>	<b>25</b>	<b>156,921,913</b>	<b>100.00%</b>	<b>3.844</b>	<b>2.342</b>	<b>92</b>	<b>80</b>	<b>11</b>	<b>73</b>

### Underlying Securities by State

State	Number of Underlying Pools	Cut-off Date Principal Balance (\$)	% of Cut-off Date Principal Balance	Weighted Average Mortgage Rate (%)	Weighted Average Pass Thru Rate (%)	Weighted Average Original Term to Maturity (Months)	Weighted Average Remaining Term to Maturity (Months)	Weighted Average Loan Age (Months)	Weighted Average Remaining Yield Maintenance (Months)
CA	5	66,264,676	42.23%	3.455	2.159	84	80	5	73
GA	2	20,809,991	13.26%	3.092	1.790	88	82	6	75
SC	2	16,799,347	10.71%	4.048	2.366	85	79	6	72
MO	1	11,487,459	7.32%	4.670	3.000	120	77	43	70
PA	2	10,000,000	6.37%	4.428	2.988	111	81	30	74
TX	4	8,440,523	5.38%	4.790	2.528	89	82	7	75
WA	3	7,710,599	4.91%	4.648	2.392	88	78	10	71
OR	1	4,625,000	2.95%	4.500	3.080	120	88	32	81
MD	1	3,000,000	1.91%	3.500	2.150	84	81	3	74
AZ	1	2,228,286	1.42%	4.490	3.060	120	89	31	82
VA	1	1,972,649	1.26%	5.080	2.880	93	81	12	74
CT	1	1,960,000	1.25%	4.330	3.150	120	88	32	81
FL	1	1,623,382	1.03%	4.880	2.480	86	82	4	75
<b>Total / WA</b>	<b>25</b>	<b>156,921,913</b>	<b>100.00%</b>	<b>3.844</b>	<b>2.342</b>	<b>92</b>	<b>80</b>	<b>11</b>	<b>73</b>

## Collateral Stratification – Group 1 (cont.)

### Underlying Securities by Remaining Term To Maturity

Remaining Term to Maturity (Months)	Number of Underlying Pools	Cut-off Date Principal Balance (\$)	% of Cut-off Date Principal Balance	Weighted Average Mortgage Rate (%)	Weighted Average Pass Thru Rate (%)	Weighted Average	Weighted Average	Weighted Average Loan Age (Months)	Weighted Average Remaining Yield Maintenance (Months)
						Original Term to Maturity (Months)	Remaining Term to Maturity (Months)		
76	2	4,270,073	2.72%	4.734	2.538	86	76	10	69
77	1	11,487,459	7.32%	4.670	3.000	120	77	43	70
78	2	18,684,524	11.91%	4.144	2.387	85	78	7	71
79	6	34,930,419	22.26%	3.785	2.319	87	79	8	72
80	1	30,450,000	19.40%	3.290	2.100	84	80	4	73
81	3	7,958,053	5.07%	4.334	2.350	87	81	6	74
82	4	35,001,382	22.30%	3.466	2.108	92	82	10	75
86	2	3,036,476	1.94%	4.519	2.413	96	86	10	79
88	2	6,585,000	4.20%	4.449	3.101	120	88	32	81
89	2	4,518,527	2.88%	4.586	2.766	109	89	20	82
<b>Total / WA</b>	<b>25</b>	<b>156,921,913</b>	<b>100.00%</b>	<b>3.844</b>	<b>2.342</b>	<b>92</b>	<b>80</b>	<b>11</b>	<b>73</b>

### Underlying Securities by Loan Age

Loan Age Range (Months)	Number of Underlying Pools	Cut-off Date Principal Balance (\$)	% of Cut-off Date Principal Balance	Weighted Average Mortgage Rate (%)	Weighted Average Pass Thru Rate (%)	Weighted Average	Weighted Average	Weighted Average Loan Age (Months)	Weighted Average Remaining Yield Maintenance (Months)
						Original Term to Maturity (Months)	Remaining Term to Maturity (Months)		
0 - 4	6	63,936,785	40.74%	3.309	1.992	84	81	3	74
5 - 9	8	54,169,541	34.52%	3.902	2.299	85	79	6	72
10 - 14	5	9,704,851	6.18%	4.877	2.730	90	79	11	72
30 - 34	3	8,813,286	5.62%	4.460	3.091	120	88	32	81
35 - 39	1	7,500,000	4.78%	4.590	3.120	120	82	38	75
40 - 44	1	11,487,459	7.32%	4.670	3.000	120	77	43	70
65 - 69	1	1,309,991	0.83%	4.310	3.130	144	79	65	72
<b>Total / WA</b>	<b>25</b>	<b>156,921,913</b>	<b>100.00%</b>	<b>3.844</b>	<b>2.342</b>	<b>92</b>	<b>80</b>	<b>11</b>	<b>73</b>

## Collateral Stratification – Group 2

### Underlying Securities by Cut-off Date Principal Balance

Cut-off Date Principal Balance	Number of Underlying Pools	Cut-off Date Principal Balance (\$)	% of Cut-off Date Principal Balance	Weighted Average Mortgage Rate (%)	Weighted Average Pass Thru Rate (%)	Weighted Average Original Term to Maturity (Months)	Weighted Average Remaining Term to Maturity (Months)	Weighted Average Loan Age (Months)	Weighted Average Remaining Yield Maintenance (Months)
<b>Group 2 MBS</b>	<b>7</b>	<b>66,778,361</b>	<b>1.49%*</b>	<b>4.139</b>	<b>2.741</b>	<b>116</b>	<b>107</b>	<b>9</b>	<b>100</b>
\$0 - \$9,999,999	6	20,011,361	29.97%	5.002	2.603	108	101	7	94
\$40,000,000 - \$49,999,999	1	46,767,000	70.03%	3.770	2.800	120	110	10	103
<b>FNA 2019-M12 A2</b>	<b>58</b>	<b>801,884,290</b>	<b>17.83%*</b>	<b>4.161</b>	<b>3.439</b>	<b>120</b>	<b>105</b>	<b>15</b>	<b>98</b>
\$0 - \$9,999,999	34	146,950,150	18.33%	4.531	3.388	120	105	14	98
\$10,000,000 - \$19,999,999	7	109,547,000	13.66%	4.096	3.368	121	106	15	99
\$20,000,000 - \$29,999,999	8	207,656,140	25.90%	4.226	3.479	121	105	16	98
\$30,000,000 - \$39,999,999	5	166,114,000	20.72%	3.953	3.385	120	105	15	98
\$40,000,000 - \$49,999,999	4	171,617,000	21.40%	4.010	3.533	120	105	15	98
<b>FNA 2019-M22 A2</b>	<b>48</b>	<b>1,107,751,170</b>	<b>24.64%*</b>	<b>3.749</b>	<b>2.965</b>	<b>120</b>	<b>108</b>	<b>12</b>	<b>101</b>
\$0 - \$9,999,999	15	93,271,842	8.42%	3.854	2.889	120	108	12	101
\$10,000,000 - \$19,999,999	10	136,760,328	12.35%	3.812	2.990	120	108	12	101
\$20,000,000 - \$29,999,999	8	202,090,000	18.24%	3.796	3.041	120	108	12	101
\$30,000,000 - \$39,999,999	8	275,073,000	24.83%	3.757	2.997	120	108	12	101
\$40,000,000 - \$49,999,999	3	143,947,000	12.99%	3.534	2.898	120	108	12	101
\$50,000,000 - \$59,999,999	1	52,520,000	4.74%	3.510	2.700	120	109	11	102
\$60,000,000 - \$69,999,999	2	130,498,000	11.78%	3.881	3.053	120	107	13	100
\$70,000,000 - \$79,999,999	1	73,591,000	6.64%	3.690	2.850	120	108	12	101
<b>FNA 2019-M5 A2</b>	<b>87</b>	<b>818,500,957</b>	<b>18.20%*</b>	<b>4.743</b>	<b>3.763</b>	<b>120</b>	<b>101</b>	<b>19</b>	<b>94</b>
\$0 - \$9,999,999	62	216,840,943	26.49%	5.031	3.858	120	101	19	94
\$10,000,000 - \$19,999,999	15	214,956,220	26.26%	4.751	3.726	120	100	20	93
\$20,000,000 - \$29,999,999	5	127,241,594	15.55%	4.874	3.779	120	102	18	95
\$30,000,000 - \$39,999,999	1	30,558,000	3.73%	4.530	3.810	120	102	18	95
\$40,000,000 - \$49,999,999	2	90,082,800	11.01%	4.244	3.602	120	99	21	92
\$50,000,000 - \$59,999,999	1	59,321,400	7.25%	4.510	3.790	120	100	20	93
\$70,000,000 - \$79,999,999	1	79,500,000	9.71%	4.540	3.720	120	102	18	95
<b>FNA 2019-M7 A2</b>	<b>65</b>	<b>896,780,014</b>	<b>19.95%*</b>	<b>4.238</b>	<b>3.461</b>	<b>120</b>	<b>105</b>	<b>16</b>	<b>98</b>
\$0 - \$9,999,999	38	163,534,511	18.24%	4.561	3.443	120	105	15	98
\$10,000,000 - \$19,999,999	7	98,237,051	10.95%	4.559	3.384	120	105	15	98
\$20,000,000 - \$29,999,999	9	244,827,400	27.30%	4.090	3.483	121	105	16	98
\$30,000,000 - \$39,999,999	9	305,201,053	34.03%	4.133	3.475	120	105	15	98
\$40,000,000 - \$49,999,999	2	84,980,000	9.48%	4.042	3.472	120	105	15	98
<b>FNA 2019-M9 A2</b>	<b>55</b>	<b>804,467,109</b>	<b>17.89%*</b>	<b>4.542</b>	<b>3.599</b>	<b>120</b>	<b>103</b>	<b>17</b>	<b>96</b>
\$0 - \$9,999,999	25	140,093,055	17.41%	4.785	3.649	120	102	18	95
\$10,000,000 - \$19,999,999	14	181,510,340	22.56%	4.572	3.587	120	103	17	96
\$20,000,000 - \$29,999,999	9	213,746,713	26.57%	4.608	3.733	120	102	18	95
\$30,000,000 - \$39,999,999	4	134,065,000	16.67%	4.222	3.415	120	104	16	97
\$40,000,000 - \$49,999,999	3	135,052,000	16.79%	4.462	3.535	120	102	18	95
<b>Total / WA</b>	<b>320**</b>	<b>4,496,161,901</b>	<b>100.00%</b>	<b>4.248</b>	<b>3.404</b>	<b>120</b>	<b>105</b>	<b>16</b>	<b>98</b>

\* This percentage reflects the principal balance contribution of the respective underlying deal to the total Group 2 principal balance

\*\* There are 309 unique underlying pools with 11 pools appearing more than one time in the underlying REMIC Certificates



## Collateral Stratification – Group 2 (cont.)

### Top 10 Loan Information

Pool Number	Property Name	City	State	Property type	Cut-off Date Principal Balance (\$)	% of Cut-off Date Principal Balance	DSCR (x) <sup>(1)</sup>	LTV (%) <sup>(2)</sup>
<b>DUS</b>								
BL3678	The District	Asheville	NC	Multifamily	46,767,000	70.03	2.02	65.0
BL5646	Sierra Vista Apartments	Dallas	TX	Multifamily	4,624,479	6.93	1.29	69.9
BL4671	Olympus Park Apartments	Roseville	CA	Multifamily	4,400,000	6.59	2.10	68.0
BL4720	Hidden Oaks	Citrus Heights	CA	Multifamily	3,700,000	5.54	2.46	69.6
BL6522	Woodland East Community	Woodland	WA	Manufactured Housing	2,939,815	4.40	1.32	66.9
BL3946	Williamsburg Manor Apartments	Cary	NC	Multifamily	2,471,034	3.70	1.66	61.5
BL3999	Pacific Sands Apartments	San Diego	CA	Multifamily	1,876,033	2.81	1.63	71.2
<b>Total / WA</b>					<b>66,778,361</b>	<b>100.00</b>	<b>1.94</b>	<b>65.9</b>
<b>FNA 2019-M12 A2</b>								
BL1659	Sherry Lake	Conshohocken	PA	Multifamily	47,500,000	5.92	1.78	78.8
BL1658	The Villas At Bryn Mawr	Bryn Mawr	PA	Multifamily	42,000,000	5.24	1.22	76.4
BL1657	Home Properties Of Devon	Devon	PA	Multifamily	41,440,000	5.17	1.74	76.4
BL1372	Bellemeade Farms	Leesburg	VA	Multifamily	40,677,000	5.07	1.73	65.0
BL1948	The Villages At Morgon Metro	Landover	MD	Multifamily	36,000,000	4.49	1.27	74.7
BL1664	Mount Vernon Square	Alexandria	VA	Multifamily	35,984,000	4.49	1.62	73.1
BL2691	The Addition	Long Island City	NY	Multifamily	32,280,000	4.03	1.91	60.0
BL1319	Rancho Monterey Apartments	Tustin	CA	Multifamily	31,250,000	3.90	1.93	59.4
BL2404	Vintage Apartments	Pleasanton	CA	Multifamily	30,600,000	3.82	2.22	53.4
BL1824	Towson Promenade Apartments	Towson	MD	Multifamily	29,300,000	3.65	2.45	58.8
<b>Total / WA</b>					<b>367,031,000</b>	<b>45.77</b>	<b>1.75</b>	<b>68.7</b>
<b>FNA 2019-M22 A2</b>								
BL3332	10X Living At Naples	Naples	FL	Multifamily	73,591,000	6.64	1.27	74.4
BL2380	Canopy Apartments	Norcross	GA	Multifamily	66,980,000	6.05	1.89	74.4
BL3305	The Park At Abernathy Square	Sandy Springs	GA	Multifamily	63,518,000	5.73	1.25	69.3
BL3763	Misty Ridge Apartments	Woodbridge	VA	Multifamily	52,520,000	4.74	1.40	65.0
BL2796	The Park At Mission Hills	Broken Arrow	OK	Multifamily	49,677,000	4.48	1.35	77.5
BL2946	Elevate At Discovery Park	Tempe	AZ	Multifamily	49,270,000	4.45	2.24	65.0
BL3743	Enclave At Warner Center	Los Angeles	CA	Multifamily	45,000,000	4.06	1.93	64.9
BL2955	Greenbriar Apartments	Houston	TX	Multifamily	39,715,000	3.59	2.11	62.6
BL2698	The Addison	Temple Terrace	FL	Multifamily	36,100,000	3.26	1.99	65.0
BL3559	Sorrel Phillips Creek Ranch	Frisco	TX	Multifamily	35,555,000	3.21	1.25	60.8
<b>Total / WA</b>					<b>511,926,000</b>	<b>46.21</b>	<b>1.64</b>	<b>68.8</b>
<b>FNA 2019-M5 A2</b>								
BL1202	Parkway Lofts	Bloomfield	NJ	Multifamily	79,500,000	9.71	1.25	77.5
BL0618	Parkside Brooklyn	Brooklyn	NY	Multifamily	59,321,400	7.25	1.66	58.4
BL0078	Sanctuary Apartments	Renton	WA	Multifamily	47,249,400	5.77	2.11	56.5
BL0254	Vision On Wilshire	Los Angeles	CA	Multifamily	42,833,400	5.23	1.71	45.8
BL1265	Bartz Ranch Apartments	Round Rock	TX	Multifamily	30,558,000	3.73	1.70	65.0
BL1190	Woodshire Apartments	Virginia Beach	VA	Multifamily	27,820,000	3.40	1.95	65.0
BL1653	Garden Plaza Of Greenbriar Cove	Ooltewah	TN	Seniors	27,730,594	3.39	1.49	74.9
BL0969	Olive Ridge Resort	Pomona	CA	Multifamily	26,168,000	3.20	1.84	70.7
BL0210	The Abbey At Medical Center	San Antonio	TX	Multifamily	23,523,000	2.87	1.47	70.2
BL0456	Angels Senior Living At The Lodges Of Idlewild	Lutz	FL	Seniors	22,000,000	2.69	1.71	71.0
<b>Total / WA</b>					<b>386,703,794</b>	<b>47.25</b>	<b>1.65</b>	<b>65.1</b>

(1) DSCR calculations are based on the most recent annual amortizing data for the related mortgage loan, except for the full term interest only loan, which was based on interest only payments.

(2) LTV values are as of the loan origination date of the related mortgage loan.

## Collateral Stratification – Group 2 (cont.)

### Top 10 Loan Information (cont.)

Pool Number	Property Name	City	State	Property type	Cut-off Date Principal Balance (\$)	% of Cut-off Date Principal Balance	DSCR (x) <sup>(1)</sup>	LTV (%) <sup>(2)</sup>
<b>FNA 2019-M7 A2</b>								
BL1664	Mount Vernon Square	Alexandria	VA	Multifamily	44,980,000	5.02	1.62	73.1
BL1948	The Villages At Morgan Metro	Landover	MD	Multifamily	40,000,000	4.46	1.27	74.7
BL1817	The Commons At Hollyhock	Katy	TX	Multifamily	39,337,053	4.39	0.89	57.9
BL1663	Hill Brook Place	Bensalem	PA	Multifamily	36,800,000	4.10	1.60	74.9
BL1657	Home Properties Of Devon	Devon	PA	Multifamily	35,520,000	3.96	1.74	76.4
BL1634	Concord Austin Apartments	Austin	TX	Multifamily	35,024,000	3.91	1.49	64.9
BL1745	Farmingdale Apartment Homes	Darien	IL	Multifamily	34,000,000	3.79	1.55	71.7
BL1666	Village At Potomac Falls	Sterling	VA	Multifamily	32,620,000	3.64	1.65	71.0
BL1662	Willowbrook	Jeffersonville	PA	Multifamily	31,300,000	3.49	1.85	74.0
BL1660	Waterview	West Chester	PA	Multifamily	30,300,000	3.38	1.28	75.4
<b>Total / WA</b>					<b>359,881,053</b>	<b>40.13</b>	<b>1.49</b>	<b>71.3</b>
<b>FNA 2019-M9 A2</b>								
109661	The Ledges	Groton	CT	Multifamily	47,102,000	5.86	1.61	77.3
BL1828	Canterbury Apartments	Myrtle Beach	SC	Multifamily	46,950,000	5.84	1.67	74.1
BL1240	Coopers Place	Newark	DE	Multifamily	41,000,000	5.10	1.67	69.7
BL1770	Bella Vista	Carrollton	TX	Multifamily	36,600,000	4.55	1.25	75.0
BL2403	Silverbrooke Apartments	Stafford	TX	Multifamily	33,830,000	4.21	1.76	64.9
BL0463	Providence Green Apartments	Virginia Beach	VA	Multifamily	33,358,000	4.15	1.34	80.0
BL2194	South Shore Lakes	League City	TX	Multifamily	30,277,000	3.76	1.96	65.0
BL2399	Shadowbrooke Apartments	Stafford	TX	Multifamily	26,677,000	3.32	2.00	62.8
BL0483	Fountains Of Conroe	Conroe	TX	Multifamily	26,074,000	3.24	1.50	71.0
BL0415	Canyon Crest Village	Riverside	CA	Multifamily	25,386,713	3.16	1.26	65.6
<b>Total / WA</b>					<b>347,254,713</b>	<b>43.17</b>	<b>1.60</b>	<b>71.3</b>

(1) DSCR calculations are based on the most recent annual amortizing data for the related mortgage loan, except for the full term interest only loan, which was based on interest only payments.

(2) LTV values are as of the loan origination date of the related mortgage loan.

## Collateral Stratification – Group 2 (cont.)

Underlying Securities by Most Recent DSCR <sup>(1)</sup>

Most Recent Annual DSCR	Number of Underlying Pools	Cut-off Date Principal Balance (\$)	% of Cut-off Date Principal Balance	Weighted Average Mortgage Rate (%)	Weighted Average Pass Thru Rate (%)	Weighted Average Original Term to Maturity (Months)	Weighted Average Remaining Term to Maturity (Months)	Weighted Average Loan Age (Months)	Weighted Average Remaining Yield (Months)
<b>Group 2 MBS</b>	<b>7</b>	<b>66,778,361</b>	<b>1.49%*</b>	<b>4.139</b>	<b>2.741</b>	<b>116</b>	<b>107</b>	<b>9</b>	<b>100</b>
1.25x - 1.49x	2	7,564,294	11.33%	5.254	2.896	105	101	4	94
1.50x - 1.99x	2	4,347,067	6.51%	4.854	2.554	112	102	10	95
2.00x - 2.49x	3	54,867,000	82.16%	3.929	2.734	118	109	10	102
<b>FNA 2019-M12 A2</b>	<b>58</b>	<b>801,884,290</b>	<b>17.83%*</b>	<b>4.161</b>	<b>3.439</b>	<b>120</b>	<b>105</b>	<b>15</b>	<b>98</b>
0.50x - 1.24x	3	73,355,700	9.15%	4.031	3.430	120	105	15	98
1.25x - 1.49x	18	153,289,101	19.12%	4.740	3.473	120	104	15	97
1.50x - 1.99x	24	409,585,369	51.08%	4.052	3.453	120	105	15	98
2.00x - 2.49x	12	160,804,120	20.05%	3.935	3.366	122	106	16	99
2.50x - 2.99x	1	4,850,000	0.60%	4.590	3.830	120	102	18	95
<b>FNA 2019-M22 A2</b>	<b>48</b>	<b>1,107,751,170</b>	<b>24.64%*</b>	<b>3.749</b>	<b>2.965</b>	<b>120</b>	<b>108</b>	<b>12</b>	<b>101</b>
1.25x - 1.49x	24	572,979,670	51.72%	3.808	2.926	120	108	12	101
1.50x - 1.99x	11	275,544,500	24.87%	3.782	3.015	120	108	12	101
2.00x - 2.49x	12	256,627,000	23.17%	3.580	2.997	120	108	12	101
3.00x - 3.49x	1	2,600,000	0.23%	3.740	3.080	120	108	12	101
<b>FNA 2019-M5 A2</b>	<b>87</b>	<b>818,500,957</b>	<b>18.20%*</b>	<b>4.743</b>	<b>3.763</b>	<b>120</b>	<b>101</b>	<b>19</b>	<b>94</b>
0.50x - 1.24x	6	47,866,755	5.85%	5.043	3.822	120	101	19	94
1.25x - 1.49x	23	228,068,691	27.86%	4.772	3.754	120	102	18	95
1.50x - 1.99x	47	446,691,237	54.57%	4.738	3.786	120	101	19	94
2.00x - 2.49x	8	91,848,839	11.22%	4.534	3.630	120	99	21	92
2.50x - 2.99x	3	4,025,435	0.49%	4.740	4.057	120	102	18	95
<b>FNA 2019-M7 A2</b>	<b>65</b>	<b>896,780,014</b>	<b>19.95%*</b>	<b>4.238</b>	<b>3.461</b>	<b>120</b>	<b>105</b>	<b>16</b>	<b>98</b>
0.50x - 1.24x	9	141,355,195	15.76%	4.357	3.449	120	104	16	97
1.25x - 1.49x	15	210,776,563	23.50%	4.358	3.434	120	105	15	98
1.50x - 1.99x	26	402,012,971	44.83%	4.129	3.495	120	105	15	98
2.00x - 2.49x	9	124,823,914	13.92%	4.196	3.398	121	105	16	98
2.50x - 2.99x	3	8,293,250	0.92%	4.626	3.510	120	104	16	97
3.00x - 3.49x	1	1,239,000	0.14%	4.720	3.680	120	104	16	97
3.50x - 3.99x	1	2,479,122	0.28%	4.830	3.630	120	105	15	98
4.00x - 4.49x	1	5,800,000	0.65%	4.440	3.610	120	103	17	96
<b>FNA 2019-M9 A2</b>	<b>55</b>	<b>804,467,109</b>	<b>17.89%*</b>	<b>4.542</b>	<b>3.599</b>	<b>120</b>	<b>103</b>	<b>17</b>	<b>96</b>
0.50x - 1.24x	3	11,381,379	1.41%	5.429	3.979	120	101	19	94
1.25x - 1.49x	18	264,473,729	32.88%	4.754	3.750	120	101	19	94
1.50x - 1.99x	26	446,063,000	55.45%	4.480	3.575	120	103	17	96
2.00x - 2.49x	7	78,249,000	9.73%	4.078	3.199	120	106	14	99
3.00x - 3.49x	1	4,300,000	0.53%	3.960	3.130	120	107	13	100
<b>Total / WA</b>	<b>320**</b>	<b>4,496,161,901</b>	<b>100.00%</b>	<b>4.248</b>	<b>3.404</b>	<b>120</b>	<b>105</b>	<b>16</b>	<b>98</b>

\* This percentage reflects the principal balance contribution of the respective underlying deal to the total Group 2 principal balance

\*\* There are 309 unique underlying pools with 11 pools appearing more than one time in the underlying REMIC Certificates

(1) DSCR calculations are based on the most recent annual amortizing data for the related mortgage loan, except for the full term interest only loan, which was based on interest only payments.

## Collateral Stratification – Group 2 (cont.)

### Underlying Securities by At Issuance LTV <sup>(1)</sup>

UW Loan to Value Ratio	Number of Underlying Pools	Cut-off Date Principal Balance (\$)	% of Cut-off Date Principal Balance	Weighted Average Mortgage Rate (%)	Weighted Average Pass Thru Rate (%)	Weighted Average Original Term to Maturity (Months)	Weighted Average Remaining Term to Maturity (Months)	Weighted Average Loan Age (Months)	Weighted Average Remaining Yield Maintenance (Months)
<b>Group 2 MBS</b>	<b>7</b>	<b>66,778,361</b>	<b>1.49%*</b>	<b>4.139</b>	<b>2.741</b>	<b>116</b>	<b>107</b>	<b>9</b>	<b>100</b>
60.00% - 64.99%	1	2,471,034	3.70%	5.040	2.740	108	98	10	91
65.00% - 69.99%	5	62,431,294	93.49%	4.089	2.754	117	108	9	101
70.00% - 74.99%	1	1,876,033	2.81%	4.610	2.310	118	108	10	101
<b>FNA 2019-M12 A2</b>	<b>58</b>	<b>801,884,290</b>	<b>17.83%*</b>	<b>4.161</b>	<b>3.439</b>	<b>120</b>	<b>105</b>	<b>15</b>	<b>98</b>
10.00% - 14.99%	1	537,424	0.07%	4.140	3.540	120	106	14	99
45.00% - 49.99%	1	4,850,000	0.60%	4.590	3.830	120	102	18	95
50.00% - 54.99%	3	37,255,173	4.65%	3.742	3.152	120	107	13	100
55.00% - 59.99%	5	101,303,000	12.63%	4.188	3.398	120	105	15	98
60.00% - 64.99%	10	127,844,336	15.94%	4.204	3.544	122	105	17	98
65.00% - 69.99%	14	174,037,239	21.70%	4.214	3.414	121	105	15	98
70.00% - 74.99%	13	164,608,981	20.53%	4.278	3.434	120	105	15	98
75.00% - 80.00%	11	191,448,137	23.87%	4.042	3.465	120	105	15	98
<b>FNA 2019-M22 A2</b>	<b>48</b>	<b>1,107,751,170</b>	<b>24.64%*</b>	<b>3.749</b>	<b>2.965</b>	<b>120</b>	<b>108</b>	<b>12</b>	<b>101</b>
40.00% - 44.99%	1	2,600,000	0.23%	3.740	3.080	120	108	12	101
50.00% - 54.99%	2	45,262,000	4.09%	3.707	3.147	120	107	13	100
55.00% - 59.99%	5	55,140,000	4.98%	3.514	2.914	120	108	12	101
60.00% - 64.99%	8	190,161,000	17.17%	3.590	2.846	120	108	12	101
65.00% - 69.99%	10	334,909,000	30.23%	3.640	2.904	120	108	12	101
70.00% - 74.99%	7	212,385,342	19.17%	3.891	3.063	120	107	13	100
75.00% - 80.00%	15	267,293,828	24.13%	3.939	3.026	120	108	12	101
<b>FNA 2019-M5 A2</b>	<b>87</b>	<b>818,500,957</b>	<b>18.20%*</b>	<b>4.743</b>	<b>3.763</b>	<b>120</b>	<b>101</b>	<b>19</b>	<b>94</b>
20.00% - 24.99%	1	763,083	0.09%	5.200	4.230	120	101	19	94
30.00% - 34.99%	1	1,800,000	0.22%	4.780	4.120	120	103	17	96
35.00% - 39.99%	1	1,462,352	0.18%	4.450	3.890	120	101	19	94
40.00% - 44.99%	4	7,925,424	0.97%	4.941	3.997	120	102	18	95
45.00% - 49.99%	1	42,833,400	5.23%	4.160	3.660	120	100	20	93
50.00% - 54.99%	6	39,608,453	4.84%	4.792	3.856	120	101	19	94
55.00% - 59.99%	7	140,234,346	17.13%	4.523	3.721	120	100	20	93
60.00% - 64.99%	14	95,310,089	11.64%	4.881	3.841	120	102	18	95
65.00% - 69.99%	17	189,091,329	23.10%	4.667	3.705	120	100	20	93
70.00% - 74.99%	22	196,049,640	23.95%	4.991	3.784	120	101	19	94
75.00% - 80.00%	13	103,422,841	12.64%	4.787	3.791	120	102	18	95
<b>FNA 2019-M7 A2</b>	<b>65</b>	<b>896,780,014</b>	<b>19.95%*</b>	<b>4.238</b>	<b>3.461</b>	<b>120</b>	<b>105</b>	<b>16</b>	<b>98</b>
15.00% - 19.99%	1	3,983,472	0.44%	4.350	3.430	120	104	16	97
20.00% - 24.99%	1	2,479,122	0.28%	4.830	3.630	120	105	15	98
25.00% - 29.99%	1	5,800,000	0.65%	4.440	3.610	120	103	17	96
45.00% - 49.99%	1	11,910,000	1.33%	4.890	3.590	120	104	16	97
50.00% - 54.99%	2	14,107,880	1.57%	4.697	3.499	120	104	16	97
55.00% - 59.99%	5	77,021,095	8.59%	4.133	3.360	120	104	16	97
60.00% - 64.99%	8	127,261,542	14.19%	4.235	3.481	122	105	17	98
65.00% - 69.99%	14	151,059,510	16.84%	4.416	3.400	120	105	15	98
70.00% - 74.99%	20	336,090,266	37.48%	4.190	3.472	120	105	15	98
75.00% - 80.00%	12	167,067,128	18.63%	4.118	3.507	120	105	15	98
<b>FNA 2019-M9 A2</b>	<b>55</b>	<b>804,467,109</b>	<b>17.89%*</b>	<b>4.542</b>	<b>3.599</b>	<b>120</b>	<b>103</b>	<b>17</b>	<b>96</b>
40.00% - 44.99%	1	4,300,000	0.53%	3.960	3.130	120	107	13	100
55.00% - 59.99%	3	33,289,000	4.14%	4.744	3.831	120	100	20	93
60.00% - 64.99%	12	184,844,492	22.98%	4.394	3.595	120	103	17	96
65.00% - 69.99%	13	212,492,238	26.41%	4.489	3.601	120	103	17	96
70.00% - 74.99%	16	186,809,149	23.22%	4.646	3.602	120	103	17	96
75.00% - 80.00%	10	182,732,230	22.71%	4.624	3.567	120	102	18	95
<b>Total / WA</b>	<b>320**</b>	<b>4,496,161,901</b>	<b>100.00%</b>	<b>4.248</b>	<b>3.404</b>	<b>120</b>	<b>105</b>	<b>16</b>	<b>98</b>

\* This percentage reflects the principal balance contribution of the respective underlying deal to the total Group 2 principal balance

\*\* There are 309 unique underlying pools with 11 pools appearing more than one time in the underlying REMIC Certificates

(1) LTV values are as of the loan origination date of the related mortgage loan.

## Collateral Stratification – Group 2 (cont.)

### Underlying Securities by Current Amortization Type

Amortization Type	Number of Underlying Pools	Cut-off Date Principal Balance (\$)	% of Cut-off Date Principal Balance	Weighted Average Mortgage Rate (%)	Weighted Average Pass Thru Rate (%)	Weighted Average Original Term to Maturity (Months)	Weighted Average Remaining Term to Maturity (Months)	Weighted Average Loan Age (Months)	Weighted Average Remaining Yield Maintenance (Months)
<b>Group 2 MBS</b>	<b>7</b>	<b>66,778,361</b>	<b>1.49%*</b>	<b>4.139</b>	<b>2.741</b>	<b>116</b>	<b>107</b>	<b>9</b>	<b>100</b>
Amortizing/Balloon	4	11,911,361	17.84%	5.108	2.771	108	102	6	95
Interest Only/Amortizing/Balloon	2	8,100,000	12.13%	4.845	2.355	108	100	8	93
Interest Only/Balloon	1	46,767,000	70.03%	3.770	2.800	120	110	10	103
<b>FNA 2019-M12 A2</b>	<b>58</b>	<b>801,884,290</b>	<b>17.83%*</b>	<b>4.161</b>	<b>3.439</b>	<b>120</b>	<b>105</b>	<b>15</b>	<b>98</b>
Amortizing/Balloon	13	34,600,762	4.31%	4.945	3.443	120	105	15	98
Interest Only/Amortizing/Balloon	27	493,538,007	61.55%	4.174	3.430	120	105	15	98
Interest Only/Balloon	18	273,745,520	34.14%	4.039	3.456	121	105	16	98
<b>FNA 2019-M22 A2</b>	<b>48</b>	<b>1,107,751,170</b>	<b>24.64%*</b>	<b>3.749</b>	<b>2.965</b>	<b>120</b>	<b>108</b>	<b>12</b>	<b>101</b>
Amortizing/Balloon	2	25,124,670	2.27%	3.687	2.874	120	108	12	101
Interest Only/Amortizing/Balloon	30	739,428,500	66.75%	3.832	2.968	120	108	12	101
Interest Only/Balloon	16	343,198,000	30.98%	3.572	2.966	120	108	12	101
<b>FNA 2019-M5 A2</b>	<b>87</b>	<b>818,500,957</b>	<b>18.20%*</b>	<b>4.743</b>	<b>3.763</b>	<b>120</b>	<b>101</b>	<b>19</b>	<b>94</b>
Amortizing/Balloon	34	132,368,897	16.17%	5.122	3.853	120	102	18	95
Interest Only/Amortizing/Balloon	37	412,923,360	50.45%	4.800	3.776	120	101	19	94
Interest Only/Balloon	16	273,208,700	33.38%	4.472	3.700	120	100	20	93
<b>FNA 2019-M7 A2</b>	<b>65</b>	<b>896,780,014</b>	<b>19.95%*</b>	<b>4.238</b>	<b>3.461</b>	<b>120</b>	<b>105</b>	<b>16</b>	<b>98</b>
Amortizing/Balloon	22	172,692,377	19.26%	4.466	3.374	120	105	15	98
Interest Only/Amortizing/Balloon	40	665,760,238	74.24%	4.202	3.471	120	105	15	98
Interest Only/Balloon	3	58,327,400	6.50%	3.972	3.610	125	106	20	99
<b>FNA 2019-M9 A2</b>	<b>55</b>	<b>804,467,109</b>	<b>17.89%*</b>	<b>4.542</b>	<b>3.599</b>	<b>120</b>	<b>103</b>	<b>17</b>	<b>96</b>
Amortizing/Balloon	5	46,649,287	5.80%	4.900	3.875	120	100	20	93
Interest Only/Amortizing/Balloon	42	644,711,822	80.14%	4.488	3.535	120	103	17	96
Interest Only/Balloon	8	113,106,000	14.06%	4.699	3.854	120	102	18	95
<b>Total / WA</b>	<b>320**</b>	<b>4,496,161,901</b>	<b>100.00%</b>	<b>4.248</b>	<b>3.404</b>	<b>120</b>	<b>105</b>	<b>16</b>	<b>98</b>

\* This percentage reflects the principal balance contribution of the respective underlying deal to the total Group 2 principal balance

\*\* There are 309 unique underlying pools with 11 pools appearing more than one time in the underlying REMIC Certificates

## Collateral Stratification – Group 2 (cont.)

### Underlying Securities by Property Type

Property Type	Number of Underlying Pools	Cut-off Date Principal Balance (\$)	% of Cut-off Date Principal Balance	Weighted Average Mortgage Rate (%)	Weighted Average Pass Thru Rate (%)	Weighted Average Original Term to Maturity (Months)	Weighted Average Remaining Term to Maturity (Months)	Weighted Average Loan Age (Months)	Weighted Average Remaining Yield Maintenance (Months)
<b>Group 2 MBS</b>	<b>7</b>	<b>66,778,361</b>	<b>1.49%*</b>	<b>4.139</b>	<b>2.741</b>	<b>116</b>	<b>107</b>	<b>9</b>	<b>100</b>
Multifamily	6	63,838,546	95.60%	4.098	2.734	117	108	9	101
Manufactured Housing	1	2,939,815	4.40%	5.040	2.890	98	95	3	88
<b>FNA 2019-M12 A2</b>	<b>58</b>	<b>801,884,290</b>	<b>17.83%*</b>	<b>4.161</b>	<b>3.439</b>	<b>120</b>	<b>105</b>	<b>15</b>	<b>98</b>
Multifamily	50	721,132,866	89.93%	4.102	3.453	121	105	15	98
Manufactured Housing	4	34,570,000	4.31%	4.378	3.269	120	106	14	99
Seniors	1	23,995,000	2.99%	5.110	3.360	120	105	15	98
Dedicated Student	2	21,649,000	2.70%	4.725	3.330	120	106	14	99
Cooperative	1	537,424	0.07%	4.140	3.540	120	106	14	99
<b>FNA 2019-M22 A2</b>	<b>48</b>	<b>1,107,751,170</b>	<b>24.64%*</b>	<b>3.749</b>	<b>2.965</b>	<b>120</b>	<b>108</b>	<b>12</b>	<b>101</b>
Multifamily	46	1,071,051,170	96.69%	3.760	2.968	120	108	12	101
Dedicated Student	1	28,500,000	2.57%	3.360	2.900	120	108	12	101
Manufactured Housing	1	8,200,000	0.74%	3.650	2.840	120	108	12	101
<b>FNA 2019-M5 A2</b>	<b>87</b>	<b>818,500,957</b>	<b>18.20%*</b>	<b>4.743</b>	<b>3.763</b>	<b>120</b>	<b>101</b>	<b>19</b>	<b>94</b>
Multifamily	71	670,714,434	81.94%	4.663	3.748	120	101	19	94
Seniors	3	66,053,300	8.07%	5.188	3.800	120	102	18	95
Manufactured Housing	8	40,680,371	4.97%	4.977	3.860	120	101	19	94
Dedicated Student	3	20,537,500	2.51%	5.092	3.854	120	103	17	96
Military	2	20,515,352	2.51%	5.100	3.835	120	101	19	94
<b>FNA 2019-M7 A2</b>	<b>65</b>	<b>896,780,014</b>	<b>19.95%*</b>	<b>4.238</b>	<b>3.461</b>	<b>120</b>	<b>105</b>	<b>16</b>	<b>98</b>
Multifamily	51	778,890,502	86.85%	4.185	3.465	120	105	16	98
Military	2	42,405,341	4.73%	4.480	3.384	120	105	15	98
Manufactured Housing	8	41,046,117	4.58%	4.511	3.449	120	105	15	98
Seniors	3	30,454,583	3.40%	4.865	3.481	120	104	16	97
Cooperative	1	3,983,472	0.44%	4.350	3.430	120	104	16	97
<b>FNA 2019-M9 A2</b>	<b>55</b>	<b>804,467,109</b>	<b>17.89%*</b>	<b>4.542</b>	<b>3.599</b>	<b>120</b>	<b>103</b>	<b>17</b>	<b>96</b>
Multifamily	55	804,467,109	100.00%	4.542	3.599	120	103	17	96
<b>Total / WA</b>	<b>320**</b>	<b>4,496,161,901</b>	<b>100.00%</b>	<b>4.248</b>	<b>3.404</b>	<b>120</b>	<b>105</b>	<b>16</b>	<b>98</b>

\* This percentage reflects the principal balance contribution of the respective underlying deal to the total Group 2 principal balance

\*\* There are 309 unique underlying pools with 11 pools appearing more than one time in the underlying REMIC Certificates

## Collateral Stratification – Group 2 (cont.)

### Underlying Securities by Loan Note Rate

Loan Note Rate	Number of Underlying Pools	Cut-off Date Principal Balance (\$)	% of Cut-off Date Principal Balance	Weighted Average Mortgage Rate (%)	Weighted Average Pass Thru Rate (%)	Weighted Average Original Term to Maturity (Months)	Weighted Average Remaining Term to Maturity (Months)	Weighted Average Loan Age (Months)	Weighted Average Remaining Yield Maintenance (Months)
<b>Group 2 MBS</b>	<b>7</b>	<b>66,778,361</b>	<b>1.49%*</b>	<b>4.139</b>	<b>2.741</b>	<b>116</b>	<b>107</b>	<b>9</b>	<b>100</b>
3.75% - 3.99%	1	46,767,000	70.03%	3.770	2.800	120	110	10	103
4.50% - 4.74%	1	1,876,033	2.81%	4.610	2.310	118	108	10	101
4.75% - 4.99%	2	8,100,000	12.13%	4.845	2.355	108	100	8	93
5.00% - 5.24%	2	5,410,849	8.10%	5.040	2.821	103	96	6	89
5.25% - 5.49%	1	4,624,479	6.93%	5.390	2.900	110	105	5	98
<b>FNA 2019-M12 A2</b>	<b>58</b>	<b>801,884,290</b>	<b>17.83%*</b>	<b>4.161</b>	<b>3.439</b>	<b>120</b>	<b>105</b>	<b>15</b>	<b>98</b>
3.50% - 3.74%	1	30,600,000	3.82%	3.690	3.110	120	107	13	100
3.75% - 3.99%	18	394,707,520	49.22%	3.910	3.481	121	105	16	98
4.00% - 4.24%	6	118,397,124	14.76%	4.112	3.314	120	106	14	99
4.25% - 4.49%	12	129,640,093	16.17%	4.329	3.420	120	105	15	98
4.50% - 4.74%	10	22,220,821	2.77%	4.589	3.488	120	105	15	98
4.75% - 4.99%	5	62,058,472	7.74%	4.840	3.612	120	104	16	97
5.00% - 5.24%	3	37,614,585	4.69%	5.118	3.431	120	105	15	98
5.50% - 5.74%	2	4,021,203	0.50%	5.590	3.390	119	105	14	98
5.75% - 5.99%	1	2,624,471	0.33%	5.750	3.360	116	103	13	96
<b>FNA 2019-M22 A2</b>	<b>48</b>	<b>1,107,751,170</b>	<b>24.64%*</b>	<b>3.749</b>	<b>2.965</b>	<b>120</b>	<b>108</b>	<b>12</b>	<b>101</b>
3.25% - 3.49%	6	200,394,500	18.09%	3.392	2.775	120	108	12	101
3.50% - 3.74%	22	481,436,670	43.46%	3.671	2.908	120	108	12	101
3.75% - 3.99%	6	212,635,000	19.20%	3.855	3.031	120	108	12	101
4.00% - 4.24%	11	168,549,000	15.22%	4.107	3.180	120	107	13	100
4.25% - 4.49%	2	40,761,000	3.68%	4.311	3.310	120	108	12	101
4.50% - 4.74%	1	3,975,000	0.36%	4.500	3.220	120	107	13	100
<b>FNA 2019-M5 A2</b>	<b>87</b>	<b>818,500,957</b>	<b>18.20%*</b>	<b>4.743</b>	<b>3.763</b>	<b>120</b>	<b>101</b>	<b>19</b>	<b>94</b>
4.00% - 4.24%	2	62,567,400	7.64%	4.186	3.620	120	99	21	92
4.25% - 4.49%	6	114,158,252	13.95%	4.400	3.601	120	99	21	92
4.50% - 4.74%	14	292,924,686	35.79%	4.571	3.742	120	101	19	94
4.75% - 4.99%	20	126,713,596	15.48%	4.867	3.823	120	102	18	95
5.00% - 5.24%	25	147,363,429	18.00%	5.077	3.831	120	101	19	94
5.25% - 5.49%	7	46,229,277	5.65%	5.391	3.981	120	101	19	94
5.50% - 5.74%	4	11,910,177	1.46%	5.627	3.900	121	101	20	94
5.75% - 5.99%	8	14,172,061	1.73%	5.828	3.982	120	102	18	95
6.00% - 6.24%	1	2,462,080	0.30%	6.100	4.210	120	101	19	94
<b>FNA 2019-M7 A2</b>	<b>65</b>	<b>896,780,014</b>	<b>19.95%*</b>	<b>4.238</b>	<b>3.461</b>	<b>120</b>	<b>105</b>	<b>16</b>	<b>98</b>
3.75% - 3.99%	12	377,847,400	42.13%	3.908	3.497	121	105	16	98
4.00% - 4.24%	9	93,207,469	10.39%	4.109	3.340	120	105	15	98
4.25% - 4.49%	15	238,360,438	26.58%	4.365	3.416	120	104	16	97
4.50% - 4.74%	11	83,636,690	9.33%	4.626	3.494	120	104	16	97
4.75% - 4.99%	13	76,814,674	8.57%	4.861	3.518	120	104	16	97
5.00% - 5.24%	3	22,909,994	2.55%	5.098	3.494	120	105	15	98
5.50% - 5.74%	2	4,003,350	0.45%	5.706	3.618	120	104	16	97
<b>FNA 2019-M9 A2</b>	<b>55</b>	<b>804,467,109</b>	<b>17.89%*</b>	<b>4.542</b>	<b>3.599</b>	<b>120</b>	<b>103</b>	<b>17</b>	<b>96</b>
3.50% - 3.74%	2	60,507,000	7.52%	3.740	3.130	120	106	14	99
3.75% - 3.99%	3	49,527,000	6.16%	3.829	3.154	120	106	14	99
4.00% - 4.24%	3	28,430,000	3.53%	4.168	3.328	120	105	15	98
4.25% - 4.49%	8	200,760,000	24.96%	4.380	3.415	120	104	16	97
4.50% - 4.74%	14	170,432,584	21.19%	4.601	3.660	120	102	18	95
4.75% - 4.99%	14	227,307,611	28.26%	4.858	3.883	120	100	20	93
5.00% - 5.24%	8	55,010,432	6.84%	5.141	3.894	120	100	20	93
5.25% - 5.49%	2	6,186,252	0.77%	5.326	3.840	120	101	19	94
5.50% - 5.74%	1	6,306,230	0.78%	5.670	4.040	120	100	20	93
<b>Total / WA</b>	<b>320**</b>	<b>4,496,161,901</b>	<b>100.00%</b>	<b>4.248</b>	<b>3.404</b>	<b>120</b>	<b>105</b>	<b>16</b>	<b>98</b>

\* This percentage reflects the principal balance contribution of the respective underlying deal to the total Group 2 principal balance

\*\* There are 309 unique underlying pools with 11 pools appearing more than one time in the underlying REMIC Certificates

## Collateral Stratification – Group 2 (cont.)

### Underlying Securities by Pass Through Rate

Pass-Through Rate	Number of Underlying Pools	Cut-off Date Principal Balance (\$)	% of Cut-off Date Principal Balance	Weighted Average Mortgage Rate (%)	Weighted Average Pass Thru Rate (%)	Weighted Average Original Term to Maturity (Months)	Weighted Average Remaining Term to Maturity (Months)	Weighted Average Loan Age (Months)	Weighted Average Remaining Yield Maintenance (Months)
<b>Group 2 MBS</b>	<b>7</b>	<b>66,778,361</b>	<b>1.49%*</b>	<b>4.139</b>	<b>2.741</b>	<b>116</b>	<b>107</b>	<b>9</b>	<b>100</b>
2.25% - 2.49%	3	9,976,033	14.94%	4.801	2.347	110	102	8	95
2.50% - 2.74%	1	2,471,034	3.70%	5.040	2.740	108	98	10	91
2.75% - 2.99%	3	54,331,294	81.36%	3.977	2.813	118	109	9	102
<b>FNA 2019-M12 A2</b>	<b>58</b>	<b>801,884,290</b>	<b>17.83%*</b>	<b>4.161</b>	<b>3.439</b>	<b>120</b>	<b>105</b>	<b>15</b>	<b>98</b>
3.00% - 3.24%	6	102,669,000	12.80%	3.989	3.185	120	107	13	100
3.25% - 3.49%	28	296,624,727	36.99%	4.325	3.331	120	106	14	99
3.50% - 3.74%	21	366,986,563	45.77%	4.011	3.554	121	105	16	98
3.75% - 3.99%	3	35,604,000	4.44%	4.840	3.899	120	102	18	95
<b>FNA 2019-M22 A2</b>	<b>48</b>	<b>1,107,751,170</b>	<b>24.64%*</b>	<b>3.749</b>	<b>2.965</b>	<b>120</b>	<b>108</b>	<b>12</b>	<b>101</b>
2.50% - 2.74%	10	238,752,842	21.55%	3.475	2.657	120	109	11	102
2.75% - 2.99%	15	362,757,328	32.75%	3.708	2.907	120	108	12	101
3.00% - 3.24%	20	439,045,000	39.63%	3.856	3.128	120	107	13	100
3.25% - 3.49%	3	67,196,000	6.07%	4.242	3.310	120	108	12	101
<b>FNA 2019-M5 A2</b>	<b>87</b>	<b>818,500,957</b>	<b>18.20%*</b>	<b>4.743</b>	<b>3.763</b>	<b>120</b>	<b>101</b>	<b>19</b>	<b>94</b>
3.25% - 3.49%	1	2,455,941	0.30%	5.510	3.460	125	99	26	92
3.50% - 3.74%	22	390,651,263	47.73%	4.542	3.636	120	100	20	93
3.75% - 3.99%	35	346,157,425	42.29%	4.818	3.840	120	101	19	94
4.00% - 4.24%	26	75,698,175	9.25%	5.377	4.050	120	101	19	94
4.25% - 4.49%	3	3,538,153	0.43%	5.314	4.326	120	101	19	94
<b>FNA 2019-M7 A2</b>	<b>65</b>	<b>896,780,014</b>	<b>19.95%*</b>	<b>4.238</b>	<b>3.461</b>	<b>120</b>	<b>105</b>	<b>16</b>	<b>98</b>
3.00% - 3.24%	6	40,742,809	4.54%	4.158	3.218	120	105	15	98
3.25% - 3.49%	26	362,547,289	40.43%	4.360	3.387	120	105	15	98
3.50% - 3.74%	31	489,547,447	54.59%	4.147	3.533	121	105	16	98
3.75% - 3.99%	1	1,821,000	0.20%	4.880	3.760	120	104	16	97
4.00% - 4.24%	1	2,121,470	0.24%	5.230	4.020	120	104	16	97
<b>FNA 2019-M9 A2</b>	<b>55</b>	<b>804,467,109</b>	<b>17.89%*</b>	<b>4.542</b>	<b>3.599</b>	<b>120</b>	<b>103</b>	<b>17</b>	<b>96</b>
3.00% - 3.24%	8	130,925,000	16.27%	3.876	3.147	120	106	14	99
3.25% - 3.49%	13	207,364,000	25.78%	4.373	3.390	120	105	15	98
3.50% - 3.74%	7	133,208,000	16.56%	4.606	3.627	120	101	19	94
3.75% - 3.99%	22	294,387,457	36.59%	4.847	3.880	120	100	20	93
4.00% - 4.24%	5	38,582,652	4.80%	5.158	4.020	120	101	19	94
<b>Total / WA</b>	<b>320**</b>	<b>4,496,161,901</b>	<b>100.00%</b>	<b>4.248</b>	<b>3.404</b>	<b>120</b>	<b>105</b>	<b>16</b>	<b>98</b>

\* This percentage reflects the principal balance contribution of the respective underlying deal to the total Group 2 principal balance

\*\* There are 309 unique underlying pools with 11 pools appearing more than one time in the underlying REMIC Certificates



## Collateral Stratification – Group 2 (cont.)

### Underlying Securities by State

State	Number of Underlying Pools	Cut-off Date Principal Balance (\$)	% of Cut-off Date Principal Balance	Weighted Average Mortgage Rate (%)	Weighted Average Pass Thru Rate (%)	Weighted Average Original Term to Maturity (Months)	Weighted Average Remaining Term to Maturity (Months)	Weighted Average Loan Age (Months)	Weighted Average Remaining Yield Maintenance (Months)
<b>Group 2 MBS</b>	<b>7</b>	<b>66,778,361</b>	<b>1.49%*</b>	<b>4.139</b>	<b>2.741</b>	<b>116</b>	<b>107</b>	<b>9</b>	<b>100</b>
NC	2	49,238,034	73.73%	3.834	2.797	119	109	10	102
CA	3	9,976,033	14.94%	4.801	2.347	110	102	8	95
TX	1	4,624,479	6.93%	5.390	2.900	110	105	5	98
WA	1	2,939,815	4.40%	5.040	2.890	98	95	3	88
<b>FNA 2019-M12 A2</b>	<b>58</b>	<b>801,884,290</b>	<b>17.83%*</b>	<b>4.161</b>	<b>3.439</b>	<b>120</b>	<b>105</b>	<b>15</b>	<b>98</b>
CA	9	176,658,693	22.03%	4.059	3.515	122	105	17	98
PA	5	161,790,000	20.18%	3.940	3.510	120	105	15	98
VA	4	94,382,296	11.77%	4.122	3.558	120	105	15	98
MD	5	70,197,679	8.75%	4.096	3.369	120	104	15	97
TX	3	58,883,620	7.34%	4.222	3.333	120	106	14	99
MA	6	46,020,000	5.74%	3.930	3.310	120	106	14	99
NY	3	38,817,424	4.84%	4.049	3.226	120	107	13	100
FL	5	28,872,365	3.60%	4.505	3.273	120	106	14	99
NC	2	27,563,176	3.44%	4.790	3.304	120	106	14	99
NJ	2	24,770,976	3.09%	5.093	3.368	120	105	15	98
NH	1	16,835,000	2.10%	3.930	3.310	120	106	14	99
MI	1	9,650,000	1.20%	4.450	3.310	120	106	14	99
OR	1	9,535,000	1.19%	4.270	3.200	120	107	13	100
IL	2	9,410,479	1.17%	4.478	3.546	120	105	15	98
GA	1	7,832,310	0.98%	5.110	3.740	120	102	18	95
OH	1	5,760,000	0.72%	4.920	3.950	120	102	18	95
SD	1	4,852,595	0.61%	4.530	3.280	120	106	14	99
WA	2	3,971,471	0.50%	5.251	3.441	117	104	13	97
NE	1	2,845,000	0.35%	4.650	3.350	120	106	14	99
UT	1	1,263,816	0.16%	4.500	3.560	120	106	14	99
AL	1	1,044,000	0.13%	4.440	3.400	120	106	14	99
NV	1	928,390	0.12%	4.620	3.580	120	106	14	99
<b>FNA 2019-M22 A2</b>	<b>48</b>	<b>1,107,751,170</b>	<b>24.64%*</b>	<b>3.749</b>	<b>2.965</b>	<b>120</b>	<b>108</b>	<b>12</b>	<b>101</b>
GA	8	249,555,500	22.53%	3.858	3.014	120	108	12	101
FL	7	231,715,000	20.92%	3.856	3.047	120	108	12	101
TX	9	170,269,342	15.37%	3.806	2.954	120	108	12	101
CA	12	166,352,000	15.02%	3.553	2.859	120	108	12	101
OK	2	67,448,328	6.09%	3.717	2.972	120	108	12	101
VA	1	52,520,000	4.74%	3.510	2.700	120	109	11	102
AZ	1	49,270,000	4.45%	3.470	3.050	120	107	13	100
CO	1	34,331,000	3.10%	3.730	2.970	120	107	13	100
NV	1	33,707,000	3.04%	3.310	2.650	120	109	11	102
MI	1	13,796,000	1.25%	4.190	3.250	120	108	12	101
MA	1	12,487,000	1.13%	4.110	3.220	120	106	14	99
IL	1	11,000,000	0.99%	3.710	3.150	120	108	12	101
AL	1	7,050,000	0.64%	3.730	2.690	120	109	11	102
LA	1	4,275,000	0.39%	4.100	2.870	120	109	11	102
MO	1	3,975,000	0.36%	4.500	3.220	120	107	13	100

\* This percentage reflects the principal balance contribution of the respective underlying deal to the total Group 2 principal balance

## Collateral Stratification – Group 2 (cont.)

### Underlying Securities by State (cont.)

State	Number of Underlying Pools	Cut-off Date Principal Balance (\$)	% of Cut-off Date Principal Balance	Weighted Average Mortgage Rate (%)	Weighted Average Pass Thru Rate (%)	Weighted Average Original Term to Maturity (Months)	Weighted Average Remaining Term to Maturity (Months)	Weighted Average Loan Age (Months)	Weighted Average Remaining Yield Maintenance (Months)
<b>FNA 2019-M5 A2</b>	<b>87</b>	<b>818,500,957</b>	<b>18.20%*</b>	<b>4.743</b>	<b>3.763</b>	<b>120</b>	<b>101</b>	<b>19</b>	<b>94</b>
CA	15	135,802,004	16.59%	4.620	3.800	120	101	19	94
TX	10	117,444,938	14.35%	4.773	3.743	120	101	19	94
NY	6	88,962,979	10.87%	4.725	3.801	120	100	20	93
NJ	1	79,500,000	9.71%	4.540	3.720	120	102	18	95
WA	4	62,210,951	7.60%	4.429	3.587	120	100	20	93
VA	5	43,938,012	5.37%	4.620	3.700	120	102	18	95
FL	4	40,575,009	4.96%	5.182	3.935	120	100	20	93
MN	4	29,977,424	3.66%	4.823	3.828	120	102	18	95
TN	1	27,730,594	3.39%	5.040	3.590	120	103	17	96
WI	2	25,598,991	3.13%	4.857	3.856	120	102	18	95
UT	3	21,809,583	2.66%	4.567	3.623	120	97	23	90
CT	4	20,776,996	2.54%	4.692	3.738	120	100	20	93
LA	1	19,734,000	2.41%	4.242	3.532	120	97	23	90
CO	2	18,521,000	2.26%	4.734	3.758	120	103	17	96
KY	9	16,436,176	2.01%	5.691	3.980	120	102	18	95
OH	2	15,578,155	1.90%	5.011	3.807	120	102	18	95
MI	3	11,077,956	1.35%	5.054	3.965	120	101	19	94
IL	2	10,748,996	1.31%	5.049	3.894	120	102	18	95
NV	1	9,714,000	1.19%	4.850	3.860	120	102	18	95
GA	3	7,018,868	0.86%	5.284	4.076	120	101	19	94
ME	1	6,747,000	0.82%	5.050	3.620	120	95	25	88
IN	1	4,877,898	0.60%	5.740	4.090	120	101	19	94
ID	1	1,462,352	0.18%	4.450	3.890	120	101	19	94
PA	1	1,145,427	0.14%	5.100	4.060	120	102	18	95
MO	1	1,111,648	0.14%	5.400	4.360	120	101	19	94
<b>FNA 2019-M7 A2</b>	<b>65</b>	<b>896,780,014</b>	<b>19.95%*</b>	<b>4.238</b>	<b>3.461</b>	<b>120</b>	<b>105</b>	<b>16</b>	<b>98</b>
PA	8	198,541,000	22.14%	3.944	3.506	120	105	15	98
VA	3	105,100,000	11.72%	3.920	3.500	120	105	15	98
TX	6	102,350,697	11.41%	4.402	3.412	120	104	16	97
MD	2	69,300,000	7.73%	4.007	3.368	120	104	16	97
NC	5	59,398,591	6.62%	4.485	3.385	120	105	15	98
CA	2	52,527,400	5.86%	3.920	3.610	126	106	20	99
IL	2	35,295,104	3.94%	4.475	3.547	120	105	15	98
SC	3	34,941,405	3.90%	4.431	3.435	120	105	15	98
IN	6	32,615,575	3.64%	4.284	3.393	120	105	15	98
LA	4	31,153,893	3.47%	4.000	3.230	120	105	15	98
KS	1	30,300,000	3.38%	4.340	3.370	120	104	16	97
OH	1	23,775,000	2.65%	4.650	3.530	120	104	16	97
GA	2	19,075,524	2.13%	5.071	3.440	120	105	15	98
CT	5	18,203,916	2.03%	4.734	3.405	120	104	16	97
FL	2	15,881,000	1.77%	4.870	3.558	120	104	16	97
NE	2	15,035,000	1.68%	4.803	3.571	120	104	16	97
SD	1	11,650,000	1.30%	4.550	3.370	120	104	16	97
UT	1	11,181,667	1.25%	4.880	3.570	120	104	16	97
WA	1	6,450,000	0.72%	4.800	3.460	120	105	15	98
NY	1	5,884,626	0.66%	4.860	3.510	120	104	16	97
NV	2	5,616,694	0.63%	4.567	3.485	120	105	15	98
NJ	1	3,983,472	0.44%	4.350	3.430	120	104	16	97
KY	1	3,040,000	0.34%	5.050	3.560	120	105	15	98
AL	1	2,374,667	0.26%	4.990	3.440	120	104	16	97
MN	1	2,121,470	0.24%	5.230	4.020	120	104	16	97
ME	1	983,312	0.11%	4.640	3.600	120	105	15	98

\* This percentage reflects the principal balance contribution of the respective underlying deal to the total Group 2 principal balance

## Collateral Stratification – Group 2 (cont.)

### Underlying Securities by State (cont.)

State	Number of Underlying Pools	Cut-off Date Principal Balance (\$)	% of Cut-off Date Principal Balance	Weighted Average Mortgage Rate (%)	Weighted Average Pass Thru Rate (%)	Weighted Average Original Term to Maturity (Months)	Weighted Average Remaining Term to Maturity (Months)	Weighted Average Loan Age (Months)	Weighted Average Remaining Yield Maintenance (Months)
<b>FNA 2019-M9 A2</b>	<b>55</b>	<b>804,467,109</b>	<b>17.89%*</b>	<b>4.542</b>	<b>3.599</b>	<b>120</b>	<b>103</b>	<b>17</b>	<b>96</b>
TX	19	297,937,000	37.04%	4.321	3.450	120	104	16	97
CA	8	123,467,621	15.35%	4.772	3.811	120	101	19	94
GA	5	48,210,340	5.99%	4.757	3.684	120	103	17	96
CT	1	47,102,000	5.86%	4.460	3.520	120	99	21	92
SC	1	46,950,000	5.84%	4.370	3.380	120	105	15	98
WA	3	44,562,000	5.54%	4.420	3.596	120	102	18	95
DE	1	41,000,000	5.10%	4.570	3.730	120	102	18	95
VA	1	33,358,000	4.15%	4.970	3.930	120	100	20	93
IL	2	28,175,184	3.50%	4.740	3.635	120	103	17	96
AZ	2	20,900,000	2.60%	4.444	3.750	120	102	18	95
OH	3	13,686,252	1.70%	4.704	3.571	120	104	16	97
FL	2	12,909,897	1.60%	5.106	3.946	120	100	20	93
NE	1	12,889,000	1.60%	4.800	3.760	120	101	19	94
OK	2	10,004,000	1.24%	4.510	3.130	120	105	15	98
MI	1	8,300,000	1.03%	4.960	3.720	120	99	21	92
NC	1	6,521,584	0.81%	4.680	3.920	120	99	21	92
KY	1	6,306,230	0.78%	5.670	4.040	120	100	20	93
AR	1	2,188,000	0.27%	5.150	3.860	120	101	19	94
<b>Total / WA</b>	<b>320**</b>	<b>4,496,161,901</b>	<b>100.00%</b>	<b>4.248</b>	<b>3.404</b>	<b>120</b>	<b>105</b>	<b>16</b>	<b>98</b>

\* This percentage reflects the principal balance contribution of the respective underlying deal to the total Group 2 principal balance

\*\* There are 309 unique underlying pools with 11 pools appearing more than one time in the underlying REMIC Certificates

## Collateral Stratification – Group 2 (cont.)

### Underlying Securities by Remaining Term To Maturity

Remaining Term to Maturity (Months)	Number of Underlying Pools	Cut-off Date Principal Balance (\$)	% of Cut-off Date Principal Balance	Weighted Average Mortgage Rate (%)	Weighted Average Pass Thru Rate (%)	Weighted Average Original Term to Maturity (Months)	Weighted Average Remaining Term to Maturity (Months)	Weighted Average Loan Age (Months)	Weighted Average Remaining Yield Maintenance (Months)
<b>Group 2 MBS</b>	<b>7</b>	<b>66,778,361</b>	<b>1.49%*</b>	<b>4.139</b>	<b>2.741</b>	<b>116</b>	<b>107</b>	<b>9</b>	<b>100</b>
95	1	2,939,815	4.40%	5.040	2.890	98	95	3	88
98	1	2,471,034	3.70%	5.040	2.740	108	98	10	91
99	1	3,700,000	5.54%	4.840	2.350	107	99	8	92
101	1	4,400,000	6.59%	4.850	2.360	109	101	8	94
105	1	4,624,479	6.93%	5.390	2.900	110	105	5	98
108	1	1,876,033	2.81%	4.610	2.310	118	108	10	101
110	1	46,767,000	70.03%	3.770	2.800	120	110	10	103
<b>FNA 2019-M12 A2</b>	<b>58</b>	<b>801,884,290</b>	<b>17.83%*</b>	<b>4.161</b>	<b>3.439</b>	<b>120</b>	<b>105</b>	<b>15</b>	<b>98</b>
102	4	43,436,310	5.42%	4.889	3.870	120	102	18	95
103	1	2,624,471	0.33%	5.750	3.360	116	103	13	96
104	3	107,927,000	13.46%	4.150	3.570	120	104	16	97
105	13	290,783,203	36.26%	4.071	3.450	120	105	15	98
106	32	268,998,306	33.55%	4.190	3.391	121	106	15	99
107	5	88,115,000	10.99%	3.980	3.184	120	107	13	100
<b>FNA 2019-M22 A2</b>	<b>48</b>	<b>1,107,751,170</b>	<b>24.64%*</b>	<b>3.749</b>	<b>2.965</b>	<b>120</b>	<b>108</b>	<b>12</b>	<b>101</b>
106	1	12,487,000	1.13%	4.110	3.220	120	106	14	99
107	14	359,990,000	32.50%	3.858	3.123	120	107	13	100
108	18	458,050,328	41.35%	3.794	3.007	120	108	12	101
109	15	277,223,842	25.03%	3.514	2.678	120	109	11	102
<b>FNA 2019-M5 A2</b>	<b>87</b>	<b>818,500,957</b>	<b>18.20%*</b>	<b>4.743</b>	<b>3.763</b>	<b>120</b>	<b>101</b>	<b>19</b>	<b>94</b>
95	2	22,353,500	2.73%	4.659	3.592	120	95	25	88
96	1	7,980,000	0.97%	4.300	3.590	120	96	24	89
97	1	19,734,000	2.41%	4.242	3.532	120	97	23	90
98	2	17,549,000	2.14%	4.819	3.643	120	98	22	91
99	3	65,255,341	7.97%	4.410	3.539	120	99	21	92
100	3	116,194,800	14.20%	4.377	3.717	120	100	20	93
101	24	163,093,324	19.93%	5.061	3.908	120	101	19	94
102	37	303,201,548	37.04%	4.795	3.818	120	102	18	95
103	14	103,139,445	12.60%	4.843	3.680	120	103	17	96
<b>FNA 2019-M7 A2</b>	<b>65</b>	<b>896,780,014</b>	<b>19.95%*</b>	<b>4.238</b>	<b>3.461</b>	<b>120</b>	<b>105</b>	<b>16</b>	<b>98</b>
103	2	6,833,730	0.76%	4.617	3.580	120	103	17	96
104	20	249,646,205	27.84%	4.492	3.476	120	104	16	97
105	41	587,772,680	65.54%	4.153	3.440	120	105	15	98
106	2	52,527,400	5.86%	3.920	3.610	126	106	20	99
<b>FNA 2019-M9 A2</b>	<b>55</b>	<b>804,467,109</b>	<b>17.89%*</b>	<b>4.542</b>	<b>3.599</b>	<b>120</b>	<b>103</b>	<b>17</b>	<b>96</b>
99	9	111,095,492	13.81%	4.694	3.677	120	99	21	92
100	9	126,362,943	15.71%	4.943	3.868	120	100	20	93
101	10	142,798,082	17.75%	4.802	3.911	120	101	19	94
102	3	62,435,340	7.76%	4.732	3.828	120	102	18	95
103	2	5,986,252	0.74%	5.035	3.808	120	103	17	96
104	4	54,320,000	6.75%	4.602	3.519	120	104	16	97
105	11	179,173,000	22.27%	4.340	3.352	120	105	15	98
106	6	117,996,000	14.67%	3.829	3.160	120	106	14	99
107	1	4,300,000	0.53%	3.960	3.130	120	107	13	100
<b>Total / WA</b>	<b>320**</b>	<b>4,496,161,901</b>	<b>100.00%</b>	<b>4.248</b>	<b>3.404</b>	<b>120</b>	<b>105</b>	<b>16</b>	<b>98</b>

\* This percentage reflects the principal balance contribution of the respective underlying deal to the total Group 2 principal balance

\*\* There are 309 unique underlying pools with 11 pools appearing more than one time in the underlying REMIC Certificates

## Collateral Stratification – Group 2 (cont.)

### Underlying Securities by Loan Age

Loan Age Range (Months)	Number of Underlying Pools	Cut-off Date Principal Balance (\$)	% of Cut-off Date Principal Balance	Weighted Average Mortgage Rate (%)	Weighted Average Pass Thru Rate (%)	Weighted Average Original Term to Maturity (Months)	Weighted Average Remaining Term to Maturity (Months)	Weighted Average Loan Age (Months)	Weighted Average Remaining Yield Maintenance (Months)
<b>Group 2 MBS</b>	<b>7</b>	<b>66,778,361</b>	<b>1.49%*</b>	<b>4.139</b>	<b>2.741</b>	<b>116</b>	<b>107</b>	<b>9</b>	<b>100</b>
10 - 11	3	51,114,067	76.54%	3.862	2.779	119	109	10	102
2 - 3	1	2,939,815	4.40%	5.040	2.890	98	95	3	88
4 - 5	1	4,624,479	6.93%	5.390	2.900	110	105	5	98
8 - 9	2	8,100,000	12.13%	4.845	2.355	108	100	8	93
<b>FNA 2019-M12 A2</b>	<b>58</b>	<b>801,884,290</b>	<b>17.83%*</b>	<b>4.161</b>	<b>3.439</b>	<b>120</b>	<b>105</b>	<b>15</b>	<b>98</b>
12 - 13	6	90,739,471	11.32%	4.031	3.189	120	107	13	100
14 - 15	42	495,382,989	61.78%	4.155	3.397	120	105	15	98
16 - 17	3	107,927,000	13.46%	4.150	3.570	120	104	16	97
18 - 19	4	43,436,310	5.42%	4.889	3.870	120	102	18	95
20 - 21	3	64,398,520	8.03%	3.920	3.610	126	106	20	99
<b>FNA 2019-M22 A2</b>	<b>48</b>	<b>1,107,751,170</b>	<b>24.64%*</b>	<b>3.749</b>	<b>2.965</b>	<b>120</b>	<b>108</b>	<b>12</b>	<b>101</b>
10 - 11	15	277,223,842	25.03%	3.514	2.678	120	109	11	102
12 - 13	32	818,040,328	73.85%	3.822	3.058	120	108	12	101
14 - 15	1	12,487,000	1.13%	4.110	3.220	120	106	14	99
<b>FNA 2019-M5 A2</b>	<b>87</b>	<b>818,500,957</b>	<b>18.20%*</b>	<b>4.743</b>	<b>3.763</b>	<b>120</b>	<b>101</b>	<b>19</b>	<b>94</b>
16 - 17	14	103,139,445	12.60%	4.843	3.680	120	103	17	96
18 - 19	60	465,754,753	56.90%	4.887	3.849	120	102	18	95
20 - 21	6	179,534,318	21.93%	4.378	3.657	120	100	20	93
22 - 23	3	37,283,000	4.56%	4.514	3.584	120	97	23	90
24 - 25	3	30,333,500	3.71%	4.565	3.592	120	95	25	88
26 - 27	1	2,455,941	0.30%	5.510	3.460	125	99	26	92
<b>FNA 2019-M7 A2</b>	<b>65</b>	<b>896,780,014</b>	<b>19.95%*</b>	<b>4.238</b>	<b>3.461</b>	<b>120</b>	<b>105</b>	<b>16</b>	<b>98</b>
14 - 15	41	585,836,789	65.33%	4.148	3.439	120	105	15	98
16 - 17	22	258,415,825	28.82%	4.505	3.481	120	104	16	97
20 - 21	2	52,527,400	5.86%	3.920	3.610	126	106	20	99
<b>FNA 2019-M9 A2</b>	<b>55</b>	<b>804,467,109</b>	<b>17.89%*</b>	<b>4.542</b>	<b>3.599</b>	<b>120</b>	<b>103</b>	<b>17</b>	<b>96</b>
12 - 13	1	4,300,000	0.53%	3.960	3.130	120	107	13	100
14 - 15	17	297,169,000	36.94%	4.137	3.276	120	105	15	98
16 - 17	6	60,306,252	7.50%	4.645	3.548	120	104	16	97
18 - 19	13	205,233,422	25.51%	4.781	3.885	120	101	19	94
20 - 21	18	237,458,435	29.52%	4.827	3.779	120	100	20	93
<b>Total / WA</b>	<b>320**</b>	<b>4,496,161,901</b>	<b>100.00%</b>	<b>4.248</b>	<b>3.404</b>	<b>120</b>	<b>105</b>	<b>16</b>	<b>98</b>

\* This percentage reflects the principal balance contribution of the respective underlying deal to the total Group 2 principal balance

\*\* There are 309 unique underlying pools with 11 pools appearing more than one time in the underlying REMIC Certificates

## Collateral Stratification – Group 3

### Underlying Securities by Cut-off Date Principal Balance

Cut-off Date Principal Balance	Number of Underlying Pools	Cut-off Date Principal Balance (\$)	% of Cut-off Date Principal Balance	Weighted Average Mortgage Rate (%)	Weighted Average Pass Thru Rate (%)	Weighted Average	Weighted Average	Weighted Average Loan Age (Months)	Weighted Average Remaining Yield Maintenance (Months)
						Original Term to Maturity (Months)	Remaining Term to Maturity (Months)		
\$0 - \$9,999,999	5	26,826,020	5.03%	4.698	3.510	120	94	26	87
\$10,000,000 - \$19,999,999	4	59,434,788	11.15%	4.691	3.474	120	93	27	86
\$20,000,000 - \$29,999,999	1	22,420,000	4.21%	4.250	3.360	120	95	25	88
\$30,000,000 - \$39,999,999	2	72,439,598	13.59%	4.095	3.420	120	93	27	86
\$40,000,000 - \$49,999,999	1	47,518,000	8.92%	4.820	3.480	120	93	27	86
\$50,000,000 - \$59,999,999	2	110,035,400	20.65%	4.053	3.311	120	94	26	87
\$60,000,000 - \$69,999,999	3	194,269,400	36.45%	3.979	3.185	120	91	29	84
<b>Total / WA</b>	<b>18</b>	<b>532,943,206</b>	<b>100.00%</b>	<b>4.212</b>	<b>3.325</b>	<b>120</b>	<b>92</b>	<b>28</b>	<b>85</b>

### Top 10 Loan Information

Pool Number	Property Name	City	State	Property type	Cut-off Date Principal Balance (\$)	% of Cut-off Date Principal Balance	DSCR (x) <sup>(1)</sup>	LTV (%) <sup>(2)</sup>
AN6432	Park Place of Northville	Northville	MI	Multifamily	66,620,400	12.50	2.08	80.0
AN9275	Mission Hills Apartments	Camarillo	CA	Multifamily	66,000,000	12.38	2.33	59.8
AN8827	Northpoint Apartments	Tacoma	WA	Multifamily	61,649,000	11.57	1.60	69.9
AN9130	3033 Wilshire	Los Angeles	CA	Multifamily	55,890,000	10.49	2.36	45.3
AN8830	Vibe Apartments	Kent	WA	Multifamily	54,145,400	10.16	1.85	66.7
AN8748	Creekside Village Apartment Homes	Plano	TX	Multifamily	47,518,000	8.92	1.47	72.8
AN8574	Holly Point Apartments	Chesapeake	VA	Multifamily	36,080,598	6.77	2.05	53.0
AN8658	Greystone Meadows Apartments	Federal Way	WA	Multifamily	36,359,000	6.82	2.68	51.8
AN9565	Sonoma Ridge Apartments	Peoria	AZ	Multifamily	22,420,000	4.21	2.03	53.4
AN8879	Fox Creek Apartments	Layton	UT	Multifamily	16,163,788	3.03	1.82	67.2
<b>Total / WA</b>					<b>462,846,186</b>	<b>86.85</b>	<b>2.03</b>	<b>63.2</b>

(1) DSCR calculations are based on the most recent annual amortizing data for the related mortgage loan, except for the full term interest only loan, which was based on interest only payments.

(2) LTV values are as of the loan origination date of the related mortgage loan.

## Collateral Stratification – Group 3 (cont.)

**Underlying Securities by Most Recent DSCR <sup>(1)</sup>**

	Number of Underlying Pools	Cut-off Date Principal Balance (\$)	% of Cut-off Date Principal Balance	Weighted Average Mortgage Rate (%)	Weighted Average Pass Thru Rate (%)	Weighted Average Original Term to Maturity (Months)	Weighted Average Remaining Term to Maturity (Months)	Weighted Average Loan Age (Months)	Weighted Average Remaining Yield Maintenance (Months)
<b>Most Recent Annual DSCR</b>									
1.25x - 1.49x	4	71,252,694	13.37%	4.785	3.504	120	93	27	86
1.50x - 1.99x	7	169,480,513	31.80%	4.399	3.362	120	93	27	86
2.00x - 2.49x	6	255,850,998	48.01%	3.959	3.226	120	92	28	85
2.50x - 2.99x	1	36,359,000	6.82%	3.990	3.500	120	93	27	86
<b>Total / WA</b>	<b>18</b>	<b>532,943,206</b>	<b>100.00%</b>	<b>4.212</b>	<b>3.325</b>	<b>120</b>	<b>92</b>	<b>28</b>	<b>85</b>

**Underlying Securities by At Issuance LTV <sup>(2)</sup>**

	Number of Underlying Pools	Cut-off Date Principal Balance (\$)	% of Cut-off Date Principal Balance	Weighted Average Mortgage Rate (%)	Weighted Average Pass Thru Rate (%)	Weighted Average Original Term to Maturity (Months)	Weighted Average Remaining Term to Maturity (Months)	Weighted Average Loan Age (Months)	Weighted Average Remaining Yield Maintenance (Months)
<b>UW Loan to Value Ratio</b>									
20.00% - 24.99%	1	1,640,612	0.31%	4.390	3.260	120	94	26	87
45.00% - 49.99%	1	55,890,000	10.49%	3.920	3.370	120	94	26	87
50.00% - 54.99%	4	110,779,598	20.79%	4.206	3.428	120	93	27	86
55.00% - 59.99%	1	66,000,000	12.38%	3.840	3.330	120	94	26	87
60.00% - 64.99%	2	17,325,511	3.25%	4.591	3.476	120	93	27	86
65.00% - 69.99%	7	167,169,085	31.37%	4.410	3.366	120	93	27	86
70.00% - 74.99%	1	47,518,000	8.92%	4.820	3.480	120	93	27	86
75.00% - 80.00%	1	66,620,400	12.50%	3.800	2.860	120	86	34	79
<b>Total / WA</b>	<b>18</b>	<b>532,943,206</b>	<b>100.00%</b>	<b>4.212</b>	<b>3.325</b>	<b>120</b>	<b>92</b>	<b>28</b>	<b>85</b>

**Underlying Securities by Current Amortization Type**

	Number of Underlying Pools	Cut-off Date Principal Balance (\$)	% of Cut-off Date Principal Balance	Weighted Average Mortgage Rate (%)	Weighted Average Pass Thru Rate (%)	Weighted Average Original Term to Maturity (Months)	Weighted Average Remaining Term to Maturity (Months)	Weighted Average Loan Age (Months)	Weighted Average Remaining Yield Maintenance (Months)
<b>Amortization Type</b>									
Interest Only/Balloon	9	334,673,400	62.80%	4.126	3.374	120	94	26	87
Interest Only/Amortizing/Balloon	4	144,203,188	27.06%	4.347	3.184	120	90	30	83
Amortizing/Balloon	4	52,426,006	9.84%	4.385	3.404	120	93	27	86
Fully Amortizing	1	1,640,612	0.31%	4.390	3.260	120	94	26	87
<b>Total / WA</b>	<b>18</b>	<b>532,943,206</b>	<b>100.00%</b>	<b>4.212</b>	<b>3.325</b>	<b>120</b>	<b>92</b>	<b>28</b>	<b>85</b>

**Underlying Securities by Property Type**

	Number of Underlying Pools	Cut-off Date Principal Balance (\$)	% of Cut-off Date Principal Balance	Weighted Average Mortgage Rate (%)	Weighted Average Pass Thru Rate (%)	Weighted Average Original Term to Maturity (Months)	Weighted Average Remaining Term to Maturity (Months)	Weighted Average Loan Age (Months)	Weighted Average Remaining Yield Maintenance (Months)
<b>Property Type</b>									
Multifamily	17	524,103,206	98.34%	4.206	3.322	120	92	28	85
Dedicated Student	1	8,840,000	1.66%	4.580	3.490	120	94	26	87
<b>Total / WA</b>	<b>18</b>	<b>532,943,206</b>	<b>100.00%</b>	<b>4.212</b>	<b>3.325</b>	<b>120</b>	<b>92</b>	<b>28</b>	<b>85</b>

- (1) DSCR calculations are based on the most recent annual amortizing data for the related mortgage loan, except for the full term interest only loan, which was based on interest only payments.
- (2) LTV values are as of the loan origination date of the related mortgage loan.

## Collateral Stratification – Group 3 (cont.)

### Underlying Securities by Loan Note Rate

Loan Note Rate	Number of Underlying Pools	Cut-off Date Principal Balance (\$)	% of Cut-off Date Principal Balance	Weighted Average Mortgage Rate (%)	Weighted Average Pass Thru Rate (%)	Weighted Average	Weighted Average	Weighted Average Loan Age (Months)	Weighted Average Remaining Yield Maintenance (Months)
						Original Term to Maturity (Months)	Remaining Term to Maturity (Months)		
3.75% - 3.99%	4	224,869,400	42.19%	3.872	3.228	120	91	29	84
4.00% - 4.24%	2	90,225,998	16.93%	4.194	3.286	120	93	27	86
4.25% - 4.49%	4	99,159,612	18.61%	4.326	3.384	120	93	27	86
4.50% - 4.74%	4	37,229,897	6.99%	4.658	3.540	120	94	26	87
4.75% - 4.99%	3	77,582,788	14.56%	4.816	3.462	120	93	27	86
5.00% - 5.24%	1	3,875,511	0.73%	5.010	3.530	120	94	26	87
<b>Total / WA</b>	<b>18</b>	<b>532,943,206</b>	<b>100.00%</b>	<b>4.212</b>	<b>3.325</b>	<b>120</b>	<b>92</b>	<b>28</b>	<b>85</b>

### Underlying Securities by Pass Through Rate

Pass-Through Rate	Number of Underlying Pools	Cut-off Date Principal Balance (\$)	% of Cut-off Date Principal Balance	Weighted Average Mortgage Rate (%)	Weighted Average Pass Thru Rate (%)	Weighted Average	Weighted Average	Weighted Average Loan Age (Months)	Weighted Average Remaining Yield Maintenance (Months)
						Original Term to Maturity (Months)	Remaining Term to Maturity (Months)		
2.75% - 2.99%	1	66,620,400	12.50%	3.800	2.860	120	86	34	79
3.25% - 3.49%	12	397,698,398	74.62%	4.260	3.369	120	93	27	86
3.50% - 3.74%	5	68,624,408	12.88%	4.334	3.525	120	93	27	86
<b>Total / WA</b>	<b>18</b>	<b>532,943,206</b>	<b>100.00%</b>	<b>4.212</b>	<b>3.325</b>	<b>120</b>	<b>92</b>	<b>28</b>	<b>85</b>

### Underlying Securities by State

State	Number of Underlying Pools	Cut-off Date Principal Balance (\$)	% of Cut-off Date Principal Balance	Weighted Average Mortgage Rate (%)	Weighted Average Pass Thru Rate (%)	Weighted Average	Weighted Average	Weighted Average Loan Age (Months)	Weighted Average Remaining Yield Maintenance (Months)
						Original Term to Maturity (Months)	Remaining Term to Maturity (Months)		
CA	5	160,241,714	30.07%	4.086	3.389	120	94	26	87
WA	3	152,153,400	28.55%	4.195	3.362	120	93	27	86
MI	1	66,620,400	12.50%	3.800	2.860	120	86	34	79
TX	1	47,518,000	8.92%	4.820	3.480	120	93	27	86
VA	1	36,080,598	6.77%	4.200	3.340	120	93	27	86
AZ	2	31,260,000	5.87%	4.343	3.397	120	95	25	88
UT	1	16,163,788	3.03%	4.760	3.420	120	93	27	86
PA	1	13,450,000	2.52%	4.470	3.460	120	93	27	86
ID	1	3,939,183	0.74%	4.690	3.550	120	94	26	87
NC	1	3,875,511	0.73%	5.010	3.530	120	94	26	87
NJ	1	1,640,612	0.31%	4.390	3.260	120	94	26	87
<b>Total / WA</b>	<b>18</b>	<b>532,943,206</b>	<b>100.00%</b>	<b>4.212</b>	<b>3.325</b>	<b>120</b>	<b>92</b>	<b>28</b>	<b>85</b>



## Collateral Stratification – Group 3 (cont.)

### Underlying Securities by Remaining Term To Maturity

Remaining Term to Maturity (Months)	Number of Underlying Pools	Cut-off Date Principal Balance (\$)	% of Cut-off Date Principal Balance	Weighted Average Mortgage Rate (%)	Weighted Average Pass Thru Rate (%)	Weighted Average	Weighted Average	Weighted Average Loan Age (Months)	Weighted Average Remaining Yield Maintenance (Months)
						Original Term to Maturity (Months)	Remaining Term to Maturity (Months)		
86	1	66,620,400	12.50%	3.800	2.860	120	86	34	79
93	9	295,186,786	55.39%	4.396	3.401	120	93	27	86
94	7	148,716,020	27.90%	4.025	3.377	120	94	26	87
95	1	22,420,000	4.21%	4.250	3.360	120	95	25	88
<b>Total / WA</b>	<b>18</b>	<b>532,943,206</b>	<b>100.00%</b>	<b>4.212</b>	<b>3.325</b>	<b>120</b>	<b>92</b>	<b>28</b>	<b>85</b>

### Underlying Securities by Loan Age

Loan Age Range (Months)	Number of Underlying Pools	Cut-off Date Principal Balance (\$)	% of Cut-off Date Principal Balance	Weighted Average Mortgage Rate (%)	Weighted Average Pass Thru Rate (%)	Weighted Average	Weighted Average	Weighted Average Loan Age (Months)	Weighted Average Remaining Yield Maintenance (Months)
						Original Term to Maturity (Months)	Remaining Term to Maturity (Months)		
25 - 29	17	466,322,806	87.50%	4.271	3.392	120	93	27	86
30 - 34	1	66,620,400	12.50%	3.800	2.860	120	86	34	79
<b>Total / WA</b>	<b>18</b>	<b>532,943,206</b>	<b>100.00%</b>	<b>4.212</b>	<b>3.325</b>	<b>120</b>	<b>92</b>	<b>28</b>	<b>85</b>

## Collateral Stratification – Group 4

### Underlying Securities by Cut-off Date Principal Balance

Cut-off Date Principal Balance	Number of Underlying Pools	Cut-off Date Principal Balance (\$)	% of Cut-off Date Principal Balance	Weighted Average Mortgage Rate (%)	Weighted Average Pass Thru Rate (%)	Weighted Average	Weighted Average	Weighted Average Loan Age (Months)	Weighted Average Remaining Yield (Months)
						Original Term to Maturity (Months)	Remaining Term to Maturity (Months)		
\$0 - \$9,999,999	2	12,276,000	4.46%	5.098	3.727	120	104	16	67
\$10,000,000 - \$19,999,999	2	32,830,000	11.93%	4.322	3.542	120	100	20	63
\$20,000,000 - \$29,999,999	2	42,895,000	15.59%	4.426	3.418	120	105	15	68
\$30,000,000 - \$39,999,999	1	33,730,000	12.26%	4.430	3.460	120	106	14	69
\$40,000,000 - \$49,999,999	1	40,909,000	14.87%	4.110	3.640	120	95	25	58
\$50,000,000 - \$59,999,999	2	112,454,000	40.88%	4.090	3.425	120	101	19	64
<b>Total / WA</b>	<b>10</b>	<b>275,094,000</b>	<b>100.00%</b>	<b>4.260</b>	<b>3.488</b>	<b>120</b>	<b>101</b>	<b>19</b>	<b>64</b>

### Top 10 Loan Information

Pool Number	Property Name	City	State	Property type	Cut-off Date Principal Balance (\$)	% of Cut-off Date Principal Balance	DSCR (x) <sup>(1)</sup>	LTV (%) <sup>(2)</sup>
AN9357	Oak Springs Ranch Apartment Homes	Wildomar	CA	Multifamily	57,454,000	20.89	1.99	65.4
BL2972	The Element	Mount Prospect	IL	Multifamily	55,000,000	19.99	1.80	69.4
AN9358	Softwind Point Apartments	Vista	CA	Multifamily	40,909,000	14.87	2.06	65.7
BL2196	Springs At Essex Farms Apartments	Charleston	SC	Multifamily	33,730,000	12.26	1.25	68.5
BL2247	Magnolia Pointe	Durham	NC	Multifamily	21,745,000	7.90	1.76	79.7
BL1886	Chez Paree Apartments	Hazelwood	MO	Multifamily	21,150,000	7.69	1.81	75.0
BL1944	Forest View Apartments	The Woodlands	TX	Multifamily	18,830,000	6.84	1.89	70.0
AN9360	The Missions At Rio Vista li	San Diego	CA	Multifamily	14,000,000	5.09	1.87	58.8
BL1727	Oak Pointe Of Kearney	Kearney	MO	Seniors	7,076,000	2.57	1.91	66.0
BL1726	Oak Pointe Of Maryville	Maryville	MO	Seniors	5,200,000	1.89	2.21	60.0
<b>Total / WA</b>					<b>275,094,000</b>	<b>100.00</b>	<b>1.83</b>	<b>68.4</b>

(1) DSCR calculations are based on the most recent annual amortizing data for the related mortgage loan, except for the full term interest only loan, which was based on interest only payments.

(2) LTV values are as of the loan origination date of the related mortgage loan.

## Collateral Stratification – Group 4 (cont.)

### Underlying Securities by Most Recent DSCR <sup>(1)</sup>

Most Recent Annual DSCR	Number of Underlying Pools	Cut-off Date Principal Balance (\$)	% of Cut-off Date Principal Balance	Weighted Average Mortgage Rate (%)	Weighted Average Pass Thru Rate (%)	Weighted Average	Weighted Average	Weighted Average Loan Age (Months)	Weighted Remaining Yield Maintenance (Months)
						Original Term to Maturity (Months)	Remaining Term to Maturity (Months)		
1.25x - 1.49x	1	33,730,000	12.26%	4.430	3.460	120	106	14	69
1.50x - 1.99x	7	195,255,000	70.98%	4.242	3.455	120	102	18	65
2.00x - 2.49x	2	46,109,000	16.76%	4.210	3.648	120	96	24	59
<b>Total / WA</b>	<b>10</b>	<b>275,094,000</b>	<b>100.00%</b>	<b>4.260</b>	<b>3.488</b>	<b>120</b>	<b>101</b>	<b>19</b>	<b>64</b>

### Underlying Securities by At Issuance LTV <sup>(2)</sup>

UW Loan to Value Ratio	Number of Underlying Pools	Cut-off Date Principal Balance (\$)	% of Cut-off Date Principal Balance	Weighted Average Mortgage Rate (%)	Weighted Average Pass Thru Rate (%)	Weighted Average	Weighted Average	Weighted Average Loan Age (Months)	Weighted Remaining Yield Maintenance (Months)
						Original Term to Maturity (Months)	Remaining Term to Maturity (Months)		
55.00% - 59.99%	1	14,000,000	5.09%	4.110	3.640	120	95	25	58
60.00% - 64.99%	1	5,200,000	1.89%	5.000	3.710	120	104	16	67
65.00% - 69.99%	5	194,169,000	70.58%	4.193	3.488	120	101	19	64
70.00% - 74.99%	1	18,830,000	6.84%	4.480	3.470	120	104	16	67
75.00% - 80.00%	2	42,895,000	15.59%	4.426	3.418	120	105	15	68
<b>Total / WA</b>	<b>10</b>	<b>275,094,000</b>	<b>100.00%</b>	<b>4.260</b>	<b>3.488</b>	<b>120</b>	<b>101</b>	<b>19</b>	<b>64</b>

### Underlying Securities by Current Amortization Type

Amortization Type	Number of Underlying Pools	Cut-off Date Principal Balance (\$)	% of Cut-off Date Principal Balance	Weighted Average Mortgage Rate (%)	Weighted Average Pass Thru Rate (%)	Weighted Average	Weighted Average	Weighted Average Loan Age (Months)	Weighted Remaining Yield Maintenance (Months)
						Original Term to Maturity (Months)	Remaining Term to Maturity (Months)		
Interest Only/Amortizing/Balloon	7	162,731,000	59.15%	4.363	3.382	120	106	14	69
Interest Only/Balloon	3	112,363,000	40.85%	4.110	3.640	120	95	25	58
<b>Total / WA</b>	<b>10</b>	<b>275,094,000</b>	<b>100.00%</b>	<b>4.260</b>	<b>3.488</b>	<b>120</b>	<b>101</b>	<b>19</b>	<b>64</b>

### Underlying Securities by Property Type

Property Type	Number of Underlying Pools	Cut-off Date Principal Balance (\$)	% of Cut-off Date Principal Balance	Weighted Average Mortgage Rate (%)	Weighted Average Pass Thru Rate (%)	Weighted Average	Weighted Average	Weighted Average Loan Age (Months)	Weighted Remaining Yield Maintenance (Months)
						Original Term to Maturity (Months)	Remaining Term to Maturity (Months)		
Multifamily	8	262,818,000	95.54%	4.221	3.476	120	101	19	64
Seniors	2	12,276,000	4.46%	5.098	3.727	120	104	16	67
<b>Total / WA</b>	<b>10</b>	<b>275,094,000</b>	<b>100.00%</b>	<b>4.260</b>	<b>3.488</b>	<b>120</b>	<b>101</b>	<b>19</b>	<b>64</b>

(1) DSCR calculations are based on the most recent annual amortizing data for the related mortgage loan, except for the full term interest only loan, which was based on interest only payments.

(2) LTV values are as of the loan origination date of the related mortgage loan.

## Collateral Stratification – Group 4 (cont.)

### Underlying Securities by Loan Note Rate

Loan Note Rate	Number of Underlying Pools	Cut-off Date Principal Balance (\$)	% of Cut-off Date Principal Balance	Weighted Average Mortgage Rate (%)	Weighted Average Pass Thru Rate (%)	Weighted Average	Weighted Average	Weighted Average Loan Age (Months)	Weighted Average Remaining Yield Maintenance (Months)
						Original Term to Maturity (Months)	Remaining Term to Maturity (Months)		
4.00% - 4.24%	5	189,108,000	68.74%	4.102	3.472	120	100	20	63
4.25% - 4.49%	2	52,560,000	19.11%	4.448	3.464	120	105	15	68
4.50% - 4.74%	1	21,150,000	7.69%	4.720	3.550	120	104	16	67
5.00% - 5.24%	2	12,276,000	4.46%	5.098	3.727	120	104	16	67
<b>Total / WA</b>	<b>10</b>	<b>275,094,000</b>	<b>100.00%</b>	<b>4.260</b>	<b>3.488</b>	<b>120</b>	<b>101</b>	<b>19</b>	<b>64</b>

### Underlying Securities by Pass Through Rate

Pass-Through Rate	Number of Underlying Pools	Cut-off Date Principal Balance (\$)	% of Cut-off Date Principal Balance	Weighted Average Mortgage Rate (%)	Weighted Average Pass Thru Rate (%)	Weighted Average	Weighted Average	Weighted Average Loan Age (Months)	Weighted Average Remaining Yield Maintenance (Months)
						Original Term to Maturity (Months)	Remaining Term to Maturity (Months)		
3.00% - 3.24%	1	55,000,000	19.99%	4.070	3.200	120	107	13	70
3.25% - 3.49%	3	74,305,000	27.01%	4.358	3.413	120	105	15	68
3.50% - 3.74%	6	145,789,000	53.00%	4.282	3.634	120	97	23	60
<b>Total / WA</b>	<b>10</b>	<b>275,094,000</b>	<b>100.00%</b>	<b>4.260</b>	<b>3.488</b>	<b>120</b>	<b>101</b>	<b>19</b>	<b>64</b>

### Underlying Securities by State

State	Number of Underlying Pools	Cut-off Date Principal Balance (\$)	% of Cut-off Date Principal Balance	Weighted Average Mortgage Rate (%)	Weighted Average Pass Thru Rate (%)	Weighted Average	Weighted Average	Weighted Average Loan Age (Months)	Weighted Average Remaining Yield Maintenance (Months)
						Original Term to Maturity (Months)	Remaining Term to Maturity (Months)		
CA	3	112,363,000	40.85%	4.110	3.640	120	95	25	58
IL	1	55,000,000	19.99%	4.070	3.200	120	107	13	70
SC	1	33,730,000	12.26%	4.430	3.460	120	106	14	69
MO	3	33,426,000	12.15%	4.859	3.615	120	104	16	67
NC	1	21,745,000	7.90%	4.140	3.290	120	105	15	68
TX	1	18,830,000	6.84%	4.480	3.470	120	104	16	67
<b>Total / WA</b>	<b>10</b>	<b>275,094,000</b>	<b>100.00%</b>	<b>4.260</b>	<b>3.488</b>	<b>120</b>	<b>101</b>	<b>19</b>	<b>64</b>

## Collateral Stratification – Group 4 (cont.)

### Underlying Securities by Remaining Term To Maturity

Remaining Term to Maturity (Months)	Number of Underlying Pools	Cut-off Date Principal Balance (\$)	% of Cut-off Date Principal Balance	Weighted Average Mortgage Rate (%)	Weighted Average Pass Thru Rate (%)	Weighted Average	Weighted Average	Weighted Average Loan Age (Months)	Weighted Average Remaining Yield Maintenance (Months)
						Original Term to Maturity (Months)	Remaining Term to Maturity (Months)		
95	3	112,363,000	40.85%	4.110	3.640	120	95	25	58
104	4	52,256,000	19.00%	4.722	3.563	120	104	16	67
105	1	21,745,000	7.90%	4.140	3.290	120	105	15	68
106	1	33,730,000	12.26%	4.430	3.460	120	106	14	69
107	1	55,000,000	19.99%	4.070	3.200	120	107	13	70
<b>Total / WA</b>	<b>10</b>	<b>275,094,000</b>	<b>100.00%</b>	<b>4.260</b>	<b>3.488</b>	<b>120</b>	<b>101</b>	<b>19</b>	<b>64</b>

### Underlying Securities by Loan Age

Loan Age Range (Months)	Number of Underlying Pools	Cut-off Date Principal Balance (\$)	% of Cut-off Date Principal Balance	Weighted Average Mortgage Rate (%)	Weighted Average Pass Thru Rate (%)	Weighted Average	Weighted Average	Weighted Average Loan Age (Months)	Weighted Average Remaining Yield Maintenance (Months)
						Original Term to Maturity (Months)	Remaining Term to Maturity (Months)		
12 - 13	1	55,000,000	19.99%	4.070	3.200	120	107	13	70
14 - 15	2	55,475,000	20.17%	4.316	3.393	120	106	14	69
16 - 17	4	52,256,000	19.00%	4.722	3.563	120	104	16	67
24 - 25	3	112,363,000	40.85%	4.110	3.640	120	95	25	58
<b>Total / WA</b>	<b>10</b>	<b>275,094,000</b>	<b>100.00%</b>	<b>4.260</b>	<b>3.488</b>	<b>120</b>	<b>101</b>	<b>19</b>	<b>64</b>