

Edgar Filing: Cherry Hill Mortgage Investment Corp - Form 10-Q

Cherry Hill Mortgage Investment Corp  
Form 10-Q  
November 07, 2018

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UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549

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FORM 10-Q

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(Mark One)

QUARTERLY REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the quarterly period ended September 30, 2018

OR

TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the transition period from \_\_\_\_\_ to \_\_\_\_\_  
Commission file number 001-36099

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CHERRY HILL MORTGAGE INVESTMENT CORPORATION  
(Exact name of registrant as specified in its charter)

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N/A  
(Former name, former address and former fiscal year, if changed since last report)

Maryland 46-1315605  
(State or Other Jurisdiction of Incorporation or Organization) (I.R.S. Employer Identification No.)

1451 Route 34, Suite 303  
Farmingdale, New Jersey 07727  
(Address of Principal Executive Offices) (Zip Code)

(877) 870 – 7005  
(Registrant’s Telephone Number, Including Area Code)

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Indicate by check mark whether the registrant: (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. Yes No

Indicate by check mark whether the registrant has submitted electronically every Interactive Data File required to be submitted pursuant to Rule 405 of Regulation S-T (§232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit such files). Yes No

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, a smaller reporting company, or an emerging growth company. See the definitions of “large accelerated filer,” “accelerated filer,” “smaller reporting company,” and “emerging growth company” in Rule 12b-2 of the Exchange Act.

Large accelerated filer Accelerated filer

Non-accelerated filer Smaller reporting company

Emerging growth company

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act.

Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act).  
Yes No

As of November 6, 2018, there were 16,189,618 outstanding shares of common stock, \$0.01 par value per share, of Cherry Hill Mortgage Investment Corporation.

CHERRY HILL MORTGAGE INVESTMENT CORPORATION

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FORWARD-LOOKING INFORMATION

Cherry Hill Mortgage Investment Corporation (together with its consolidated subsidiaries, the “Company,” “we,” “our” or “us”) makes forward-looking statements in this Quarterly Report on Form 10-Q within the meaning of Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities Exchange Act of 1934, as amended. For these statements, the Company claims the protections of the safe harbor for forward-looking statements contained in such Sections. Forward-looking statements are subject to substantial risks and uncertainties, many of which are difficult to predict and are generally beyond the Company’s control. These forward-looking statements include information about possible or assumed future results of the Company’s business, financial condition, liquidity, results of operations, plans and objectives. When the Company uses the words “believe,” “expect,” “anticipate,” “estimate,” “plan,” “continue,” “intend,” “should,” “could,” “would,” “may,” “potential” or the negative of these terms or other comparable terminology, the Company intends to identify forward-looking statements. Statements regarding the following subjects, among others, may be forward-looking:

- the Company’s investment objectives and business strategy;
- the Company’s ability to raise capital through the sale of its equity and debt securities and to invest the net proceeds of any such offering in the target assets, if any, identified at the time of the offering;
- the Company’s ability to obtain future financing arrangements and refinance existing financing arrangements as they mature;
- the Company’s expected leverage;
- the Company’s expected investments and the timing thereof;
- the Company’s ability to acquire servicing-related assets and mortgage and real estate-related securities;
- the Company’s ability to make future distributions to holders of the Company’s securities;
- the Company’s ability to compete in the marketplace;
- market, industry and economic trends;
- recent market developments and actions taken and to be taken by the U.S. Government, the U.S. Treasury and the Board of Governors of the Federal Reserve System, the Federal National Mortgage Association, the Federal Home Loan Mortgage Corporation, the Government National Mortgage Association and the U.S. Securities and Exchange Commission (“SEC”);
- mortgage loan modification programs and future legislative actions;
- the Company’s ability to maintain its qualification as a real estate investment trust (“REIT”) under the Internal Revenue Code of 1986, as amended (the “Code”), and limitations on the Company’s business due to compliance with requirements for maintaining its qualification as a REIT under the Code;
- the Company’s ability to maintain its exclusion from regulation as an investment company under the Investment Company Act of 1940, as amended (the “Investment Company Act”);
- projected capital and operating expenditures;
- availability of qualified personnel; and
- projected prepayment and/or default rates.

The Company’s beliefs, assumptions and expectations can change as a result of many possible events or factors, not all of which are known to it or are within its control. If any such change occurs, the Company’s business, financial condition, liquidity and results of operations may vary materially from those expressed in, or implied by, the Company’s forward-looking statements. These risks, along with, among others, the following factors, could cause actual results to vary from the Company’s forward-looking statements:

- the factors discussed under “Part I, Item 2. Management’s Discussion and Analysis of Financial Condition and Results of Operations” in this Quarterly Report on Form 10-Q and “Part I, Item 1A. Risk Factors” in the Company’s Annual Report on Form 10-K for the year ended December 31, 2017;
- general volatility of the capital markets;
- changes in the Company’s investment objectives and business strategy;

- availability, terms and deployment of capital;
- availability of suitable investment opportunities;
- the Company's dependence on its external manager, Cherry Hill Mortgage Management, LLC (the "Manager"), and the
- Company's ability to find a suitable replacement if the Company or the Manager were to terminate the management agreement the Company has entered into with the Manager;

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- changes in the Company's assets or the general economy;
- changes in rates of default and/or recovery rates on the Company's investments;
- changes in interest rates, interest rate spreads, the yield curve, prepayment rates or recapture rates;
- limitations on the Company's business due to compliance with requirements for maintaining its qualification as a REIT under the Code and its exclusion from regulation as an investment company under the Investment Company Act;
- the degree and nature of the Company's competition, including competition for the residential mortgage assets in which the Company invests; and
- other risks associated with acquiring, investing in and managing residential mortgage assets.

Although the Company believes that the expectations reflected in the forward-looking statements are reasonable, it cannot guarantee future results, levels of activity, performance or achievements. These forward-looking statements apply only as of the date of this Quarterly Report on Form 10-Q. The Company is not obligated, and does not intend, to update or revise any forward-looking statements, whether as a result of new information, future events or otherwise.

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## PART I. FINANCIAL INFORMATION

## Item 1. Consolidated Financial Statements

## Cherry Hill Mortgage Investment Corporation and Subsidiaries

## Consolidated Balance Sheets

(in thousands — except share data)

	(unaudited) September 30, 2018	December 31, 2017
Assets		
RMBS, available-for-sale (including pledged assets of \$1,750,467 and \$1,728,564, respectively)	\$ 1,838,973	\$ 1,840,912
Investments in Servicing Related Assets at fair value (including pledged assets of \$281,963 and \$122,806, respectively)	281,963	122,806
Cash and cash equivalents	21,388	27,327
Restricted cash	39,710	29,168
Derivative assets	31,431	13,830
Receivables and other assets	20,035	16,642
Total Assets	\$ 2,233,500	\$ 2,050,685
Liabilities and Stockholders' Equity		
Liabilities		
Repurchase agreements	\$ 1,680,394	\$ 1,666,537
Derivative liabilities	396	344
Notes payable	129,346	39,025
Dividends payable	9,096	7,273
Due to affiliates	3,776	3,035
Accrued expenses and other liabilities	22,323	12,014
Total Liabilities	\$ 1,845,331	\$ 1,728,228
Stockholders' Equity		
Series A Preferred stock, \$0.01 par value, 100,000,000 shares authorized and 2,671,782 shares issued and outstanding as of September 30, 2018 and 100,000,000 shares authorized and 2,400,000 shares issued and outstanding as of December 31, 2017, liquidation preference of \$66,795 as of September 30, 2018 and liquidation preference of \$60,000 as of December 31, 2017	\$ 64,510	\$ 57,917
Common stock, \$0.01 par value, 500,000,000 shares authorized and 16,189,618 shares issued and outstanding as of September 30, 2018 and 500,000,000 shares authorized and 12,721,464 shares issued and outstanding as of December 31, 2017	162	127
Additional paid-in capital	289,981	229,642
Retained earnings	85,012	35,238
Accumulated other comprehensive income (loss)	(55,194	) (2,942
Total Cherry Hill Mortgage Investment Corporation Stockholders' Equity	\$ 384,471	\$ 319,982
Non-controlling interests in Operating Partnership	3,698	2,475
Total Stockholders' Equity	\$ 388,169	\$ 322,457
Total Liabilities and Stockholders' Equity	\$ 2,233,500	\$ 2,050,685

See accompanying notes to consolidated financial statements.





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Cherry Hill Mortgage Investment Corporation and Subsidiaries

Consolidated Statements of Income

(Unaudited)

(in thousands — except share and per share data)

	Three Months Ended September 30,		Nine Months Ended September 30,	
	2018	2017	2018	2017
Income				
Interest income	\$ 15,323	\$ 11,932	\$ 40,757	\$ 28,012
Interest expense	9,257	6,096	24,124	12,819
Net interest income	6,066	5,836	16,633	15,193
Servicing fee income	14,017	6,307	34,202	16,374
Servicing costs	2,981	1,626	7,087	3,844
Net servicing income	11,036	4,681	27,115	12,530
Other income (loss)				
Realized loss on RMBS, net	(428	) (169	) (5,430	) (502
Realized gain on investments in Excess MSRs, net	-	-	-	6,678
Realized loss on derivatives, net	(707	) (1,480	) (2,727	) (4,294
Unrealized gain (loss) on derivatives, net	8,807	1,684	34,442	(1,867
Unrealized gain (loss) on investments in MSRs	6,218	(2,334	) 18,351	5,471
Total Income	30,992	8,218	88,384	33,209
Expenses				
General and administrative expense	1,165	948	2,979	2,968
Management fee to affiliate	1,599	948	4,297	3,002
Total Expenses	2,764	1,896	7,276	5,970
Income Before Income Taxes	28,228	6,322	81,108	27,239
Provision for (Benefit from) corporate business taxes	729	(537	) 4,525	(542
Net Income	27,499	6,859	76,583	27,781
Net income allocated to noncontrolling interests in Operating Partnership	(364	) (93	) (993	) (386
Dividends on preferred stock	1,372	593	3,902	593
Net Income Applicable to Common Stockholders	\$ 25,763	\$ 6,173	\$ 71,688	\$ 26,802
Net Income Per Share of Common Stock				
Basic	\$ 1.62	\$ 0.49	\$ 5.10	\$ 2.43
Diluted	\$ 1.62	\$ 0.49	\$ 5.09	\$ 2.43
Weighted Average Number of Shares of Common Stock Outstanding				
Basic	15,864,774	12,703,577	14,065,000	11,023,348
Diluted	15,873,030	12,711,776	14,073,256	11,030,401

See accompanying notes to consolidated financial statements.

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Cherry Hill Mortgage Investment Corporation and Subsidiaries  
 Consolidated Statements of Comprehensive Income (Loss)  
 (Unaudited)  
 (in thousands)

	Three Months Ended		Nine Months Ended	
	September 30,		September 30,	
	2018	2017	2018	2017
Net income	\$ 27,499	\$ 6,859	\$ 76,583	\$ 27,781
Other comprehensive income (loss):				
Net unrealized gain (loss) on RMBS	(13,656 )	3,405	(57,682 )	10,631
Reclassification of net realized gain on RMBS included in earnings	428	169	5,430	502
Other comprehensive income (loss)	(13,228 )	3,574	(52,252 )	11,133
Comprehensive income	\$ 14,271	\$ 10,433	\$ 24,331	\$ 38,914
Comprehensive income attributable to noncontrolling interests in Operating Partnership	187	142	316	541
Dividends on preferred stock	1,372	593	3,902	593
Comprehensive income attributable to common stockholders	\$ 12,712	\$ 9,698	\$ 20,113	\$ 37,780

See accompanying notes to consolidated financial statements.

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Cherry Hill Mortgage Investment Corporation and Subsidiaries

Consolidated Statements of Changes in Stockholders' Equity

(Unaudited)

(in thousands — except share data)

	Common Stock Shares	Common Stock Amount	Preferred Stock Shares	Preferred Stock Amount	Additional Paid-in Capital	Accumulated Other Comprehensive Income (Loss)	Retained Earnings (Deficit)	Non- Controlling Interest in Operating Partnerships	Total Stockholders' Equity
Balance, December 31, 2016	7,525,348	\$ 75	-	\$-	\$ 148,457	\$(6,393 )	\$ 12,093	\$ 1,777	\$ 156,009
Issuance of common stock	5,196,116	52	-	-	81,126	-	-	-	81,178
Issuance of preferred stock	-	-	2,400,000	57,917	-	-	-	-	57,917
Conversion of OP units	-	-	-	-	-	-	-	(238 )	(238 )
Net Income before dividends on preferred stock	-	-	-	-	-	-	27,395	386	27,781
Other Comprehensive Income	-	-	-	-	-	11,133	-	-	11,133
LTIP-OP Unit awards	-	-	-	-	-	-	-	464	464
Distribution paid on LTIP-OP Units	-	-	-	-	-	-	-	(245 )	(245 )
Common dividends declared, \$1.47 per share	-	-	-	-	-	-	(16,142)	-	(16,142 )
Preferred dividends declared, \$0.33 per share	-	-	-	-	-	-	(593 )	-	(593 )
Balance, September 30, 2017	12,721,464	\$ 127	2,400,000	\$ 57,917	\$ 229,583	\$ 4,740	\$ 22,753	\$ 2,144	\$ 317,264
Balance, December 31, 2017	12,721,464	\$ 127	2,400,000	\$ 57,917	\$ 229,642	\$(2,942 )	\$ 35,238	\$ 2,475	\$ 322,457
Issuance of common stock	3,468,154	35	-	-	60,339	-	-	-	60,374
	-	-	271,782	6,593	-	-	-	-	6,593

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Issuance of preferred stock									
Net Income before dividends on preferred stock	-	-	-	-	-	-	75,590	993	76,583
Other Comprehensive Income	-	-	-	-	-	(52,252 )	-	-	(52,252 )
LTIP-OP Unit awards	-	-	-	-	-	-	-	494	494
Distribution paid on LTIP-OP Units	-	-	-	-	-	-	-	(264 )	(264 )
Common dividends declared, \$1.47 per share	-	-	-	-	-	-	(21,914)	-	(21,914 )
Preferred dividends declared, \$1.5375 per share	-	-	-	-	-	-	(3,902 )	-	(3,902 )
Balance, September 30, 2018	16,189,618	\$ 162	2,671,782	\$64,510	\$289,981	\$(55,194 )	\$85,012	\$3,698	\$388,169

See accompanying notes to consolidated financial statements.

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Cherry Hill Mortgage Investment Corporation and Subsidiaries  
Consolidated Statements of Cash Flows  
(Unaudited)  
(in thousands)

	Nine Months Ended September 30,	
	2018	2017
Cash Flows From Operating Activities		
Net income	\$ 76,583	\$ 27,781
Adjustments to reconcile net income (loss) to net cash provided by (used in) operating activities:		
Realized loss on RMBS, net	5,430	502
Change in fair value of investments in Servicing Related Assets	(18,351)	(5,471)
Realized gain on investments in Excess MSR's, net	-	(6,678)
Realized loss on derivatives, net	2,727	4,294
Unrealized (gain) loss on derivatives, net	(34,442)	1,867
Realized gain on dollar rolls, net	(865)	-
Amortization of premiums on investment securities	10,906	5,928
Amortization of deferred financing costs	80	51
LTIP-OP Unit awards	494	464
Changes in:		
Receivables and other assets	(3,393)	(1,564)
Due to affiliates	741	1,344
Payables for unsettled trades	-	(6,202)
Accrued expenses and other liabilities	12,132	5,753
Net cash provided by (used in) operating activities	\$ 52,042	\$ 28,069
Cash Flows From Investing Activities		
Purchase of RMBS	(396,216)	(1,198,101)
Principal paydown of RMBS	134,196	74,127
Proceeds from sale of RMBS	195,373	46,207
Proceeds from sale of Excess MSR's	-	35,905
Acquisition of MSR's	(140,806)	(59,605)
Purchase of derivatives	(2,873)	(3,059)
Sale of derivatives	(35)	87
Net cash used in investing activities	\$ (210,361)	\$ (1,104,439)
Cash Flows From Financing Activities		
Changes in restricted cash	(10,542)	(5,487)
Borrowings under repurchase agreements	5,174,557	3,130,017
Repayments of repurchase agreements	(5,160,697)	(2,163,558)
Proceeds from derivative financing	17,935	-
Proceeds from bank loans	91,744	21,949
Principal paydown of bank loans	(1,504)	(10,353)
Dividends paid	(25,816)	(16,735)
LTIP-OP Units distributions paid	(264)	(245)
Conversion of OP units	-	(238)
Issuance of common stock, net of offering costs	60,374	81,178
Issuance of preferred stock, net of offering costs	6,593	57,917
Net cash provided by financing activities	\$ 152,380	\$ 1,094,445
Net Increase (Decrease) in Cash and Cash Equivalents	\$ (5,939)	\$ 18,075
Cash and Cash Equivalents, Beginning of Period	27,327	15,824

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Cash and Cash Equivalents, End of Period	\$ 21,388	\$ 33,899
Supplemental Disclosure of Cash Flow Information		
Cash paid during the period for interest expense	\$ 23,747	\$ 8,081
Dividends declared but not paid	\$ 9,096	\$ 6,827

See accompanying notes to consolidated financial statements.

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Cherry Hill Mortgage Investment Corporation and Subsidiaries

Notes to Consolidated Financial Statements

September 30, 2018

(Unaudited)

Note 1 — Organization and Operations

Cherry Hill Mortgage Investment Corporation (together with its consolidated subsidiaries, the “Company”) was organized in the state of Maryland on October 31, 2012 to invest in residential mortgage assets in the United States. Under the Company’s charter, the Company is authorized to issue up to 500,000,000 shares of common stock and 100,000,000 shares of preferred stock, each with a par value of \$0.01 per share.

The accompanying interim consolidated financial statements include the accounts of the Company’s subsidiaries, Cherry Hill Operating Partnership, LP (the “Operating Partnership”), Cherry Hill QRS I, LLC, Cherry Hill QRS II, LLC, Cherry Hill QRS III, LLC (“QRS III”), Cherry Hill QRS IV, LLC (“QRS IV”), Cherry Hill QRS V, LLC (“QRS V”), CHMI Solutions, Inc. (“CHMI Solutions”) and Aurora Financial Group, Inc. (“Aurora”).

On October 9, 2013, the Company completed an initial public offering (the “IPO”) and a concurrent private placement of its common stock. The Company did not conduct any activity prior to the IPO and the concurrent private placement. Substantially all of the net proceeds from the IPO and the concurrent private placement were used to invest in excess mortgage servicing rights on residential mortgage loans (“Excess MSRs”) and residential mortgage-backed securities (“RMBS” or “securities”). RMBS on which the payment of principal and interest is guaranteed by a U.S. government agency or a U.S. government sponsored enterprise are referred to as “Agency RMBS.”

On March 29, 2017, the Company issued and sold 5,175,000 shares of its common stock, par value \$0.01 per share, raising approximately \$81.1 million after underwriting discounts and commissions but before expenses of approximately \$229,000. All of the net proceeds were invested in RMBS.

On August 17, 2017, the Company issued and sold 2,400,000 shares of its 8.20% Series A Cumulative Redeemable Preferred Stock, par value \$0.01 per share (the “Series A Preferred Stock”), raising approximately \$58.1 million after underwriting discounts and commissions but before expenses of approximately \$193,000. All of the net proceeds from the Series A Preferred Stock offering were also invested in RMBS. The Company anticipates that a significant portion of the net proceeds received from paydowns of these RMBS will be deployed into the acquisition of mortgage servicing rights (“MSRs”). The Company may also sell certain of these RMBS and deploy the net proceeds from such sales to the extent necessary to fund the purchase price of MSRs.

On June 4, 2018, the Company issued and sold 2,750,000 shares of its common stock, par value \$0.01 per share. The underwriters subsequently exercised their option to purchase an additional 338,857 shares for total proceeds of approximately \$53.8 million after underwriting discounts and commissions but before expenses of approximately \$265,000. All of the net proceeds were invested in RMBS.

The Company is party to a management agreement (the “Management Agreement”) with Cherry Hill Mortgage Management, LLC (the “Manager”), a Delaware limited liability company established by Mr. Stanley Middleman. The Manager is a party to a Services Agreement with Freedom Mortgage Corporation (“Freedom Mortgage”), which is owned and controlled by Mr. Middleman. The Manager is owned by a “blind trust” for the benefit of Mr. Middleman. For a further discussion of the Management Agreement, see Note 7.



The Company has elected to be taxed as a real estate investment trust (“REIT”), as defined under the Internal Revenue Code of 1986, as amended (the “Code”), commencing with its short taxable year ended December 31, 2013. As long as the Company continues to comply with a number of requirements under federal tax law and maintains its qualification as a REIT, the Company generally will not be subject to U.S. federal income taxes to the extent that the Company distributes its taxable income to its stockholders on an annual basis and does not engage in prohibited transactions. However, certain activities that the Company may perform may cause it to earn income that will not be qualifying income for REIT purposes.

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Note 2 — Basis of Presentation and Significant Accounting Policies

Basis of Accounting

The accompanying interim consolidated financial statements are prepared in accordance with U.S. generally accepted accounting principles (“GAAP”) for interim financial information and pursuant to the requirements for reporting on Form 10-Q and Article 10 of Regulation S-X. The interim consolidated financial statements include the accounts of the Company and its consolidated subsidiaries. All significant intercompany transactions and balances have been eliminated. The Company consolidates those entities in which it has an investment of 50% or more and has control over significant operating, financial and investing decisions of the entity. The interim consolidated financial statements reflect all necessary and recurring adjustments for fair presentation of the results for the interim periods presented herein.

Emerging Growth Company Status

On April 5, 2012, the Jumpstart Our Business Startups Act (the “JOBS Act”) was signed into law. The JOBS Act contains provisions that, among other things, reduce certain reporting requirements for qualifying public companies. Because the Company qualifies as an “emerging growth company,” it may, under Section 7(a)(2)(B) of the Securities Act of 1933, as amended (the “Securities Act”), delay adoption of new or revised accounting standards applicable to public companies until such standards would otherwise apply to private companies. The Company has elected to take advantage of this extended transition period until the first to occur of the date that it (i) is no longer an “emerging growth company” or (ii) affirmatively and irrevocably opts out of this extended transition period. As a result, the consolidated interim financial statements may not be comparable to those of other public companies that comply with such new or revised accounting standards. Until the date that the Company is no longer an “emerging growth company” (expected to occur as of December 31, 2018) or affirmatively and irrevocably opts out of the extended transition period, upon issuance of a new or revised accounting standard that applies to the consolidated interim financial statements and that has a different effective date for public and private companies, the Company will disclose the date on which adoption is required for non-emerging growth public companies and the date on which it will adopt the new or revised accounting standard.

Use of Estimates

The preparation of financial statements in conformity with GAAP requires management to make a number of significant estimates and assumptions. These include estimates of: the fair value of Excess MSR and MSR (collectively, “Servicing Related Assets”); RMBS and derivatives; credit losses, including the period of time during which the Company anticipates an increase in the fair values of RMBS sufficient to recover unrealized losses on those RMBS; and other estimates that affect the reported amounts of certain assets, revenues, liabilities and expenses as of the date of, and for the periods covered by, the consolidated interim financial statements. It is likely that changes in these estimates will occur in the near term. The Company’s estimates are inherently subjective in nature. Actual results could differ from the Company’s estimates, and the differences may be material.

Risks and Uncertainties

In the normal course of business, the Company encounters primarily two significant types of economic risk: credit and market. Credit risk is the risk of default on the Company’s investments in RMBS, Servicing Related Assets and derivatives that results from a borrower’s or derivative counterparty’s inability or unwillingness to make contractually required payments. Market risk reflects changes in the value of investments in RMBS, Servicing Related Assets and derivatives due to changes in interest rates, spreads or other market factors, including prepayment speeds on the Company’s RMBS and Servicing Related Assets. The Company is subject to the risks involved with real estate and real estate-related debt instruments. These include, among others, the risks normally associated with changes in the

general economic climate, changes in the mortgage market, changes in tax laws, interest rate levels, and the availability of financing.

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The Company also is subject to certain risks relating to its status as a REIT for U.S. federal income tax purposes. If the Company were to fail to qualify as a REIT in any taxable year, the Company would be subject to U.S. federal income tax on its REIT income, which could be material. Unless entitled to relief under certain statutory provisions, the Company would also be disqualified from treatment as a REIT for the four taxable years following the year during which qualification is lost.

## Investments in RMBS

Classification – The Company classifies its investments in RMBS as securities available for sale. Although the Company generally intends to hold most of its securities until maturity, it may, from time to time, sell any of its securities as part of its overall management of its portfolio. Securities available for sale are carried at fair value with the net unrealized gains or losses reported as a separate component of accumulated other comprehensive income (loss), to the extent impairment losses, if any, are considered temporary. Unrealized losses on securities are charged to earnings if they reflect a decline in value that is other-than-temporary, as described below.

Fair value is determined under the guidance of Accounting Standards Codification (“ASC”) 820, Fair Value Measurements and Disclosures (“ASC 820”). The Company determines fair value of its RMBS investments based upon prices obtained from third-party pricing providers. The third-party pricing providers use pricing models that generally incorporate such factors as coupons, primary and secondary mortgage rates, rate reset periods, issuer, prepayment speeds, credit enhancements and expected life of the security. Management’s judgment is used to arrive at the fair values of RMBS, taking into account prices obtained from third-party pricing providers and other applicable market data. The Company’s application of ASC 820 guidance is discussed in further detail in Note 9.

Investment securities transactions are recorded on the trade date. At disposition, the net realized gain or loss is determined on the basis of the cost of the specific investment and is included in earnings. All RMBS purchased and sold in the three month and nine month periods ended September 30, 2018 were settled prior to period-end. All RMBS purchased and sold in the year ended December 31, 2017 were settled prior to year-end.

Revenue Recognition – Interest income from coupon payments is accrued based on the outstanding principal amount of the RMBS and their contractual terms. Premiums and discounts associated with the purchase of the RMBS are accreted into interest income over the projected lives of the securities using the effective interest method. The Company’s policy for estimating prepayment speeds for calculating the effective yield is to evaluate historical performance, consensus on prepayment speeds, and current market conditions. Adjustments are made for actual prepayment activity. Approximately \$5.9 million and \$5.7 million in interest income was receivable at September 30, 2018 and December 31, 2017, respectively, and has been classified within “Receivables and other assets” on the consolidated balance sheets. For further discussion of Receivables and other assets, see Note 13.

Impairment – The Company evaluates its RMBS on a quarterly basis to assess whether a decline in the fair value below the amortized cost basis is an other-than-temporary impairment (“OTTI”). The presence of OTTI is based upon a fair value decline below a security’s amortized cost basis and a corresponding adverse change in expected cash flows due to credit related factors as well as non-credit factors, such as changes in interest rates and market spreads. Impairment is considered other-than-temporary if the Company (i) intends to sell the security, (ii) will more likely than not be required to sell the security before recovering its cost basis, or (iii) does not expect to recover the security’s entire amortized cost basis, even if the Company does not intend to sell the security, or the Company believes it is more likely than not that it will be required to sell the security before recovering its cost basis. Under these scenarios, the impairment is other-than-temporary and the full amount of impairment is recognized currently in earnings and the cost basis of the security is adjusted. However, if the Company does not intend to sell the impaired security and it is more likely than not that it will not be required to sell before recovery, the OTTI is separated into (i) the estimated amount relating to credit loss, or the credit component, and (ii) the amount relating to all other factors, or the non-credit component. Only the estimated credit loss amount is recognized currently in earnings, with the remainder of the loss

recognized in accumulated other comprehensive income (loss). The difference between the new amortized cost basis and the cash flows expected to be collected is accreted into interest income in accordance with the effective interest method. The Company did not record any OTTI charges during the three month period ended September 30, 2018. The Company recorded approximately \$45,000 of OTTI charges during the nine month period ended September 30, 2018. The Company did not record any OTTI charges during the three month period ended September 30, 2017. The Company recorded approximately \$77,000 of OTTI charges during the nine month period ended September 30, 2017. OTTI has been classified within "Realized loss on RMBS, net" on the consolidated statements of income.

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### Investments in Excess MSR

As a result of the Company's sale of its remaining Excess MSR in February 2017, there were no Excess MSR at September 30, 2018 or December 31, 2017.

**Classification** – The Company had elected the fair value option to record its investments in Excess MSR in order to provide users of the consolidated interim financial statements with better information regarding the effects of prepayment risk and other market factors on the Excess MSR. Under this election, the Company recorded a valuation adjustment on its investments in Excess MSR on a quarterly basis to recognize the changes in fair value of its Excess MSR in net income as described below. In determining the valuation of Excess MSR in accordance with ASC 820, management used internally developed models that were primarily based on observable market-based inputs but which also included unobservable market data inputs. The Company's application of ASC 820 guidance is discussed in further detail in Note 9.

**Revenue Recognition** – Investments in Excess MSR were aggregated into pools, and each pool of Excess MSR was accounted for in the aggregate. Interest income for Excess MSR was accreted into interest income on an effective yield or "interest" method, based upon the expected excess mortgage servicing amount over the expected life of the underlying mortgages. Changes to expected cash flows resulted in a cumulative retrospective adjustment, which was recorded in the period in which the change in expected cash flows occurred. Under the retrospective method, the interest income recognized for a reporting period is measured as the difference between the amortized cost basis at the end of the period and the amortized cost basis at the beginning of the period, plus any cash received during the period. The amortized cost basis was calculated as the present value of estimated future cash flows using an effective yield, which was the yield that equated all past actual and estimated future cash flows to the initial investment. The difference between the fair value of Excess MSR and their amortized cost basis was recorded on the consolidated statements of income (loss) as "Unrealized gain (loss) on investments in Excess MSR." Fair value was generally determined by discounting the expected future cash flows using discount rates that incorporated the market risks and liquidity premium specific to the Excess MSR and, therefore, may have differed from their effective yields. The sale of investments in Excess MSR was recognized upon the settlement date. There was no Excess MSR cash flow receivable at September 30, 2018 or December 31, 2017.

In connection with the sale of its Excess MSR, the Company elected a settlement date accounting policy to account for the gain on sale from that transaction. For a further discussion of the Company's sale of its Excess MSR, see Note 7.

### Investments in MSR

**Classification** – The Company's MSR represent the contractual right to service mortgage loans. The Company has elected the fair value option to record its investments in MSR in order to provide users of the consolidated interim financial statements with better information regarding the effects of prepayment risk and other market factors on the MSR. Under this election, the Company records a valuation adjustment on its investments in MSR on a quarterly basis to recognize the changes in fair value of its MSR in net income as described below. Although transactions in MSR are observable in the marketplace, the valuation includes unobservable market data inputs (prepayment speeds, delinquency levels, costs to service and discount rates). Changes in the fair value of MSR as well as servicing fee income and servicing expenses are reported on the consolidated statements of income. In determining the valuation of MSR in accordance with ASC 820, management uses internally developed models that are primarily based on observable market-based inputs but which also include unobservable market data inputs. The Company's application of ASC 820 guidance is discussed in further detail in Note 9. For reporting purposes, conventional conforming loans are aggregated into one category and government conforming loans are aggregated into a separate category.



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**Revenue Recognition** – Mortgage servicing fee income represents revenue earned for servicing mortgage loans. The servicing fees are based on a contractual percentage of the outstanding principal balance and are recognized as revenue as the related mortgage payments are collected. Corresponding costs to service are charged to expense as incurred. As an owner and manager of MSR, the Company may be obligated to fund advances of principal and interest payments due to third-party owners of the loans, but not yet received from the individual borrowers. These advances are reported as servicing advances within the “Receivables and other assets” line item on the consolidated balance sheets. Approximately \$5.6 million and \$5.9 million in reimbursable servicing advances were receivable at September 30, 2018 and December 31, 2017, respectively, and have been classified within “Receivables and other assets” on the consolidated balance sheets. Although advances on Federal National Mortgage Association (“Fannie Mae”) and Federal Home Loan Mortgage Corporation (“Freddie Mac”) MSR made in accordance with the relevant guidelines are generally recoverable, the recoverability of similar advances made on Government National Mortgage Association (“Ginnie Mae”) MSR may be limited under the rules and regulations of the U.S. Department of Housing and Urban Development, the Department of Veterans Affairs (the “VA”) and the Federal Housing Administration (“FHA”). The Company expects to recover advances on its Fannie Mae and Freddie Mac MSR. In addition, unrecoverable losses on the loans underlying the Ginnie Mae MSR have not been significant to date. As a result, the Company has determined that no reserves for unrecoverable advances for the related underlying loans are necessary at September 30, 2018 and December 31, 2017. For further discussion on the Company’s receivables and other assets, including the Company’s servicing advances, see Note 13.

Servicing fee income received and servicing expenses incurred are reported on the consolidated statements of income. The difference between the fair value of MSR and their amortized cost basis is recorded on the consolidated statements of income as “Unrealized gain (loss) on investments in MSR.” Fair value is generally determined by discounting the expected future cash flows using discount rates that incorporate the market risks and liquidity premium specific to the MSR and, therefore, may differ from their effective yields.

As a result of the Company’s investments in MSR, it is obligated from time to time to repurchase an underlying loan from the applicable agency for which it is being serviced due to an alleged breach of a representation or warranty. Loans acquired in this manner are recorded at the purchase price less any principal recoveries and are then offered for sale in the scratch and dent market.

## Derivatives and Hedging Activities

Derivative transactions include swaps, swaptions, Treasury futures and “to-be-announced” securities (“TBAs”). Swaps and swaptions are entered into by the Company solely for interest rate risk management purposes. TBAs and Treasury futures are used for duration risk and basis risk management purposes. The decision as to whether or not a given transaction/position (or portion thereof) is economically hedged is made on a case-by-case basis, based on the risks involved and other factors as determined by senior management, including restrictions imposed by the Code on REITs. In determining whether to economically hedge a risk, the Company may consider whether other assets, liabilities, firm commitments and anticipated transactions already offset or reduce the risk. All transactions undertaken as economic hedges are entered into with a view towards minimizing the potential for economic losses that could be incurred by the Company. Generally, derivatives entered into are not intended to qualify as hedges under GAAP, unless specifically stated otherwise.

The Company’s bi-lateral derivative financial instruments contain credit risk to the extent that its bank counterparties may be unable to meet the terms of the agreements. The Company reduces such risk by limiting its exposure to any one counterparty. In addition, the potential risk of loss with any one party resulting from this type of credit risk is monitored. The Company’s interest rate swaps are required to be cleared on an exchange, which further mitigates, but does not eliminate, credit risk. Management does not expect any material losses as a result of default by other parties to its derivative financial instruments.



Classification – All derivatives are recognized as either assets or liabilities on the consolidated balance sheets and measured at fair value. Due to the nature of these instruments, they may be in a receivable/asset position or a payable/liability position at the end of an accounting period. Derivative amounts payable to, and receivable from, the same party under a contract may be offset as long as the following conditions are met: (i) each of the two parties owes the other determinable amounts; (ii) the reporting party has the right to offset the amount owed with the amount owed by the other party; (iii) the reporting party intends to offset; and (iv) the right to offset is enforceable by law. The Company reports the fair value of derivative instruments gross of cash paid or received pursuant to credit support agreements, and fair value may be reflected on a net counterparty basis when the Company believes a legal right of offset exists under an enforceable master netting agreement. For further discussion on offsetting assets and liabilities, see Note 8.

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Revenue Recognition – With respect to derivatives that have not been designated as hedges, any payments under, or fluctuations in the fair value of, such derivatives have been recognized currently in “Realized and unrealized gains (losses) on derivatives, net” in the consolidated statements of income.

## Cash and Cash Equivalents and Restricted Cash

The Company considers all highly liquid short-term investments with maturities of 90 days or less when purchased to be cash equivalents. Substantially all amounts on deposit with major financial institutions exceed insured limits. Restricted cash represents the Company’s cash held by counterparties (i) as collateral against the Company’s derivatives (\$2.1 million and \$549,000 at September 30, 2018 and December 31, 2017, respectively) and (ii) as collateral for borrowings under its repurchase agreements (approximately \$37.6 million and \$28.6 million at September 30, 2018 and December 31, 2017, respectively).

The Company’s centrally cleared interest rate swaps require that the Company posts an “initial margin” amount determined by the clearing exchange, which is generally intended to be set at a level sufficient to protect the exchange from the interest rate swap’s maximum estimated single-day price movement. The Company also exchanges “variation margin” based upon daily changes in fair value, as measured by the exchange. As a result of amendments to rules governing certain central clearing activities, the exchange of variation margin is a settlement of the interest rate swap, as opposed to pledged collateral. Accordingly, beginning in the first quarter of 2018 and in subsequent periods, the Company will account for the receipt or payment of variation margin as a direct reduction to the carrying value of the interest rate swap asset or liability. At September 30, 2018, \$17.9 million of variation margin was reported as a reduction to interest rate swaps, at fair value. As of December 31, 2017, variation margin pledged or received is netted on a counterparty basis and classified within restricted cash, due from counterparties, or due to counterparties on the Company’s consolidated balance sheets.

## Due to Affiliates

The sum under “Due to affiliates” on the consolidated balance sheets represents amounts due to the Manager pursuant to the Management Agreement. For further information on the Management Agreement, see Note 7.

## Income Taxes

The Company elected to be taxed as a REIT under Code Sections 856 through 860 beginning with its short taxable year ended December 31, 2013. As a REIT, the Company generally will not be subject to U.S. federal income tax to the extent that it distributes its taxable income to its stockholders and does not engage in prohibited transactions. The Company’s taxable REIT subsidiary (“TRS”), CHMI Solutions, and its wholly-owned subsidiary, Aurora, are subject to U.S. federal income taxes on its taxable income. To maintain qualification as a REIT, the Company must distribute at least 90% of its annual REIT taxable income to its stockholders and meet certain other requirements such as assets it may hold, income it may generate and its stockholder composition.

The Company accounts for income taxes in accordance with ASC 740, Income Taxes. ASC 740 requires the recording of deferred income taxes that reflect the net tax effect of temporary differences between the carrying amounts of the Company’s assets and liabilities for financial reporting purposes and the amounts used for income tax purposes, including operating loss carry forwards. Deferred tax assets and liabilities are measured using enacted tax rates expected to apply to taxable income in the years in which those temporary differences are expected to be recovered or settled. The effect of a change in tax rates on deferred tax assets and liabilities is recognized in earnings in the period that includes the enactment date. The Company assesses its tax positions for all open tax years and determines if it has any material unrecognized liabilities in accordance with ASC 740. The Company records these liabilities to the extent it deems them more-likely-than-not to be incurred. The Company records interest and penalties related to income taxes within the provision for income taxes in the consolidated statements of income. The Company has not incurred

any interest or penalties.

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## Realized Gain (Loss) on Investments, Net

The following table presents gains and losses on sales of the specified categories of investments for the periods indicated (dollars in thousands):

	Three Months Ended September 30,		Nine Months Ended September 30,	
	2018	2017	2018	2017
Realized gain (loss) on RMBS, net				
Gain on RMBS	\$ -	\$ 213	\$ 104	\$ 213
Loss on RMBS	(428 )	(382 )	(5,534 )	(715 )
Net realized loss on RMBS	(428 )	(169 )	(5,430 )	(502 )
Realized loss on derivatives, net	(707 )	(1,480 )	(2,727 )	(4,294 )
Unrealized gain (loss) on derivatives, net	8,807	1,684	34,442	(1,867 )
Realized gain on Excess MSR, net	-	-	-	6,678
Unrealized gain (loss) on MSR, net	6,218	(2,334 )	18,351	5,471
Total	\$ 13,890	\$ (2,299 )	\$ 44,636	\$ 5,486

## Repurchase Agreements and Interest Expense

The Company finances its investments in RMBS with short-term borrowings under master repurchase agreements. Borrowings under the repurchase agreements are generally short-term debt due within one year. These borrowings generally bear interest rates of a specified margin over one-month LIBOR. The repurchase agreements represent uncommitted financing. Borrowings under these agreements are treated as collateralized financing transactions and are carried at their contractual amounts, as specified in the respective agreements. Interest is recorded at the contractual amount on an accrual basis.

## Dividends Payable

Because the Company is organized as a REIT under the Code, it is required by law to distribute annually at least 90% of its REIT taxable income, which it does in the form of quarterly dividend payments. The Company accrues the dividend payable on the accounting date, which causes an offsetting reduction in retained earnings.

## Comprehensive Income

Comprehensive income is defined as the change in equity of a business enterprise during a period resulting from transactions and other events and circumstances, excluding those resulting from investments by and distributions to owners. For the Company's purposes, comprehensive income represents net income, as presented in the consolidated statements of income, adjusted for unrealized gains or losses on RMBS, which are designated as available for sale.

## Recent Accounting Pronouncements

Leases - In February 2016, the Financial Accounting Standards Board ("FASB") issued Accounting Standards Update ("ASU") 2016-02, which requires lessees to recognize on their balance sheets both a lease liability for the obligation to make lease payments and a right-of-use asset for the right to use the underlying asset for the lease term. The ASU is effective for annual periods, and interim periods within those annual periods, beginning on or after December 15, 2018, with early adoption permitted. The Company has determined this ASU will not have a material impact on the Company's financial condition, results of operations or financial statement disclosures.

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**Revenue Recognition** – In May 2014, the FASB issued ASU 2014-09, Revenue from Contracts with Customers (“ASU 2014-09”), which supersedes the revenue recognition requirements in ASC 605, Revenue Recognition, and most industry-specific guidance throughout the Industry Topics of the Codification. Under the new revenue recognition guidance, entities are required to identify the contract with a customer, identify the performance obligations in the contract, determine the transaction price, allocate the transaction price to the performance obligations in the contract and recognize revenue when (or as) the entity satisfies a performance obligation. In April 2015, the FASB voted for a one-year deferral of the effective date, resulting in this new guidance being effective for annual reporting periods, and interim periods within those annual periods, beginning after December 15, 2017. Adoption of this guidance is delayed until the first SEC filing after the Company loses its emerging growth company status, which is expected to be December 31, 2018. Subsequent to the initial issuance, the FASB has continued to issue updates to this guidance to provide additional clarification and implementation instructions to issuers regarding (i) principal versus agent considerations, (ii) identifying performance obligations, (iii) licensing, and (iv) narrow-scope improvements and practical expedients relating to assessing collectability, presentation of sales taxes, non-cash consideration, and completed contracts and contract modifications at transition. Entities have the option of using either a full retrospective or a modified approach to adopt the guidance in ASU 2014-09. The Company evaluated the new guidance and determined that interest income, gains and losses on financial instruments and income from servicing residential mortgage loans are outside the scope of ASU 2014-09. For income from servicing residential mortgage loans, the Company considered that the FASB Transition Resource Group members generally agreed that an entity should look to ASC 860, Transfers and Servicing (“ASC 860”), to determine the appropriate accounting for these fees and ASU 2014-09 contains a scope exception for contracts that fall under ASC 860. As a result, the Company does not expect the adoption of ASU 2014-09 to have a material impact on its consolidated financial statements.

**Credit Losses** – In June 2016, the FASB issued ASU 2016-13, Financial Instruments—Credit Losses, an accounting standards update that changes the impairment model for most financial assets and certain other instruments. Allowances for credit losses on Available-for-Sale debt securities will be recognized, rather than direct reductions in the amortized cost of the investments. The new model also requires the estimation of lifetime expected credit losses and corresponding recognition of allowance for losses on trade and other receivables, held-to-maturity debt securities, loans, and other instruments held at amortized cost. This guidance requires certain recurring disclosures and is effective for annual periods, and interim periods within those annual periods, beginning after December 15, 2019, with early adoption permitted for annual periods, and interim periods within those annual periods, beginning after December 15, 2018. The Company is evaluating the adoption of this ASU.

**Statement of Cash Flows** – In August 2016, the FASB issued ASU 2016-15, Classification of Certain Cash Receipts and Cash Payments, an accounting standards update that amends the guidance on the classification of certain cash receipts and cash payments presented within the statement of cash flows to reduce the existing diversity in practice. This guidance is effective for annual reporting periods, and interim periods within those annual periods, beginning after December 15, 2017, with early adoption permitted. Adoption of this guidance is delayed until the first SEC filing after the Company loses its emerging growth company status, which is expected to be December 31, 2018. The Company is currently evaluating the effect that this guidance will have on its consolidated financial statements.

**Income Taxes** – In October 2016, the FASB issued ASU 2016-16, Income Taxes, an accounting standards update that amends the guidance on the classification of income taxes related to the intra-entity transfer of assets other than inventory. This guidance is effective for annual reporting periods, and interim periods within those annual periods, beginning after December 15, 2017, with early adoption permitted. Adoption of this guidance is delayed until the first SEC filing after the Company loses its emerging growth company status, which is expected to be December 31, 2018. The Company is currently evaluating the effect that this guidance will have on its consolidated financial statements. However, the significance of adoption is dependent on the nature of the transactions and corresponding tax laws in effect at the time of adoption.

Restricted Cash – In November 2016, the FASB issued ASU 2016-18, Restricted Cash, an accounting standards update that amends the guidance on restricted cash within the statement of cash flows. The update amends the classification of restricted cash and cash equivalents to be included within cash and cash equivalents when reconciling the beginning-of-period and end-of-period total amounts. This guidance is effective for annual reporting periods, and interim periods within those annual periods, beginning after December 15, 2017, with early adoption permitted. Adoption of this guidance is delayed until the first SEC filing after the Company loses its emerging growth company status, which is expected to be December 31, 2018. The adoption will impact the presentation of the cash flows, but will not otherwise have a material impact on the consolidated results of operations or financial condition of the Company.

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Fair Value Measurement - In August 2018, the FASB issued ASU 2018-13, Disclosure Framework - Changes to the Disclosure Requirements of Fair Value Measurement, an accounting standards update that amends the guidance on the disclosure requirements on fair value measurements in ASC 820. This guidance is effective for annual reporting periods, and interim periods within those annual periods, beginning after December 15, 2019, with early adoption permitted. The Company is currently evaluating the effect that this guidance will have on its consolidated financial statements.

Note 3 — Segment Reporting

The Company conducts its business through the following segments: (i) investments in RMBS; (ii) investments in Servicing Related Assets; and (iii) “All Other,” which consists primarily of general and administrative expenses, including fees paid to the Company’s directors and management fees and reimbursements paid to the Manager pursuant to the Management Agreement (See Note 7). For segment reporting purposes, the Company does not allocate interest income on short-term investments or general and administrative expenses.

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Summary financial data with respect to the Company's segments is given below, together with a reconciliation to the same data for the Company as a whole (dollars in thousands):

	Servicing Related Assets	RMBS	All Other	Total
<b>Income Statement</b>				
<b>Three Months Ended September 30, 2018</b>				
Interest income	\$ -	\$15,323	\$ -	\$15,323
Interest expense	629	8,626	2	9,257
Net interest income	(629 )	6,697	(2 )	6,066
Servicing fee income	14,017	-	-	14,017
Servicing costs	2,981	-	-	2,981
Net servicing income	11,036	-	-	11,036
Other income	6,218	7,672	-	13,890
Other operating expenses	-	-	2,764	2,764
(Benefit from) provision for corporate business taxes	729	-	-	729
Net income (loss)	\$ 15,896	\$14,369	\$(2,766 )	\$27,499
<b>Three Months Ended September 30, 2017</b>				
Interest income	\$ -	\$11,932	\$ -	\$11,932
Interest expense	185	5,911	-	6,096
Net interest income	(185 )	6,021	-	5,836
Servicing fee income	6,307	-	-	6,307
Servicing costs	1,626	-	-	1,626
Net servicing income	4,681	-	-	4,681
Other income	(2,334 )	35	-	(2,299 )
Other operating expenses	-	-	1,896	1,896
(Benefit from) provision for corporate business taxes	(537 )	-	-	(537 )
Net income (loss)	\$ 2,699	\$6,056	\$(1,896 )	\$6,859
<b>Nine Months Ended September 30, 2018</b>				
Interest income	\$ -	40,757	\$ -	\$40,757
Interest expense	1,266	22,856	2	24,124
Net interest income	(1,266 )	17,901	(2 )	16,633
Servicing fee income	34,202	-	-	34,202
Servicing costs	7,087	-	-	7,087
Net servicing income	27,115	-	-	27,115
Other income	18,351	26,285	-	44,636
Other operating expenses	-	-	7,276	7,276
(Benefit from) provision for corporate business taxes	4,525	-	-	4,525
Net income (loss)	\$ 39,675	\$44,186	\$(7,278 )	\$76,583
<b>Nine Months Ended September 30, 2017</b>				
Interest income	\$ 523	\$27,489	\$ -	\$28,012
Interest expense	422	12,397	-	12,819
Net interest income	101	15,092	-	15,193
Servicing fee income	16,374	-	-	16,374
Servicing costs	3,844	-	-	3,844
Net servicing income	12,530	-	-	12,530
Other income	12,149	(6,663 )	-	5,486
Other operating expenses	-	-	5,970	5,970
(Benefit from) provision for corporate business taxes	(542 )	-	-	(542 )
Net income (loss)	\$ 25,322	\$8,429	\$(5,970 )	\$27,781



## Balance Sheet

September 30, 2018

Investments	\$281,963	\$1,838,973	\$-	\$2,120,936
Other assets	14,055	77,078	21,431	112,564
Total assets	296,018	1,916,051	21,431	2,233,500
Debt	129,346	1,680,394	-	1,809,740
Other liabilities	14,951	5,978	14,662	35,591
Total liabilities	144,297	1,686,372	14,662	1,845,331
Book value	\$151,721	\$229,679	\$6,769	\$388,169

December 31, 2017

Investments	\$122,806	\$1,840,912	\$-	\$1,963,718
Other assets	8,281	48,631	30,055	86,967
Total assets	131,087	1,889,543	30,055	2,050,685
Debt	39,025	1,666,537	-	1,705,562
Other liabilities	6,575	4,385	11,706	22,666
Total liabilities	45,600	1,670,922	11,706	1,728,228
Book value	\$85,487	\$218,621	\$18,349	\$322,457

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## Note 4 — Investments in RMBS

All of the Company's RMBS are classified as available for sale and are, therefore, reported at fair value with changes in fair value recorded in other comprehensive income (loss) except for securities that are OTTI (dollars in thousands):

## Summary of RMBS Assets

As of September 30, 2018

Asset Type	Original Face Value	Book Value	Gross Unrealized		Carrying Value <sup>(A)</sup>	Number of Securities	Weighted Average Rating	Weighted Average Coupon Yield <sup>(C)</sup>		Maturity (Years) <sup>(D)</sup>
			Gains	Losses						
RMBS										
Fannie Mae	\$1,430,611	\$1,285,060	\$30	\$(44,600)	\$1,240,490	162	(B)	3.85 %	3.69 %	25
Freddie Mac	566,251	493,798	-	(18,380)	475,418	65	(B)	3.74 %	3.59 %	27
CMOs	115,879	114,618	8,471	(24 )	123,065	26	(B)	5.74 %	5.40 %	13
Total/Weighted Average	\$2,112,741	\$1,893,476	\$8,501	\$(63,004)	\$1,838,973	253		3.94 %	3.77 %	25

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As of December 31, 2017

Asset Type	Original Face Value	Book Value	Gross Unrealized		Carrying Value(A)	Number of Securities	Weighted Average Rating	Weighted Average		Maturity (Years) <sup>(D)</sup>
			Gains	Losses				Coupon	Yield <sup>(C)</sup>	
RMBS										
Fannie Mae	\$1,306,823	\$1,241,027	\$1,427	\$(8,755)	\$1,233,699	154	(B)	3.80%	3.61%	26
Freddie Mac	556,204	515,475	864	(2,795)	513,544	64	(B)	3.74%	3.57%	27
CMOs	98,325	87,353	6,343	(27)	93,669	20	(B)	5.26%	4.88%	12
Total/Weighted Average	\$1,961,352	\$1,843,855	\$8,634	\$(11,577)	\$1,840,912	238		3.86%	3.66%	25

(A) See Note 9 regarding the estimation of fair value, which approximates carrying value for all securities.

The Company used an implied AAA rating for the Agency RMBS. Collateralized mortgage obligations (“CMOs”) issued by Fannie Mae or Freddie Mac consist of loss share securities, the majority of which, by unpaid principal (B) balance (“UPB”), are unrated or rated below investment grade at September 30, 2018 by at least one nationally recognized statistical rating organization (“NRSRO”). Private label securities are rated investment grade or better by at least one NRSRO as of September 30, 2018.

(C) The weighted average yield is based on the most recent annualized monthly interest income, divided by the book value of settled securities.

(D) The weighted average maturity is based on the timing of expected principal reduction on the assets.

## Summary of RMBS Assets by Maturity

As of September 30, 2018

Years to Maturity	Original Face Value	Book Value	Gross Unrealized		Carrying Value(A)	Number of Securities	Weighted Average Rating	Weighted Average		Maturity (Years) <sup>(D)</sup>
			Gains	Losses				Coupon	Yield <sup>(C)</sup>	
5-10 Years	\$20,620	\$12,679	\$287	\$(136)	\$12,830	6	(B)	4.17%	4.10%	8
Over 10 Years	2,092,121	1,880,797	8,214	(62,868)	1,826,143	247	(B)	3.94%	3.76%	25
Total/Weighted Average	\$2,112,741	\$1,893,476	\$8,501	\$(63,004)	\$1,838,973	253		3.94%	3.77%	25

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As of December 31, 2017

Years to Maturity	Original	Book Value	Gross Unrealized		Carrying Value <sup>(A)</sup>	Number of Securities	Weighted Average		Maturity (Years) <sup>(D)</sup>	
	Face Value		Gains	Losses			Rating	Coupon Yield <sup>(C)</sup>		
5-10 Years	\$16,069	\$15,483	\$324	\$(312)	\$15,495	3	(B)	4.33%	4.06%	7
Over 10 Years	1,945,283	1,828,372	8,310	(11,265)	1,825,417	235	(B)	3.85%	3.65%	26
Total/Weighted Average	\$1,961,352	\$1,843,855	\$8,634	\$(11,577)	\$1,840,912	238		3.86%	3.66%	25

(A) See Note 9 regarding the estimation of fair value, which approximates carrying value for all securities.

The Company used an implied AAA rating for the Agency RMBS. CMOs issued by Fannie Mae or Freddie Mac consist of loss share securities, the majority of which, by UPB, are unrated or rated below investment grade at

(B) September 30, 2018 by at least one NRSRO. Private label securities are rated investment grade or better by at least one NRSRO as of September 30, 2018.

(C) The weighted average yield is based on the most recent annualized monthly interest income, divided by the book value of settled securities.

(D) The weighted average maturity is based on the timing of expected principal reduction on the assets.

At September 30, 2018 and December 31, 2017, the Company pledged Agency RMBS with a carrying value of approximately \$1,750.5 million and \$1,728.6 million, respectively, as collateral for borrowings under repurchase agreements. At September 30, 2018 and December 31, 2017, the Company did not have any securities purchased from and financed with the same counterparty that did not meet the conditions of ASC 860 to be considered linked transactions and, therefore, classified as derivatives.

Based on management's analysis of the Company's securities, the performance of the underlying loans and changes in market factors, management determined that unrealized losses as of the balance sheet date on the Company's securities were primarily the result of changes in market factors, rather than issuer-specific credit impairment, and such losses were considered temporary. The Company performed analyses in relation to such securities, using management's best estimate of their cash flows, which support its belief that the carrying values of such securities were fully recoverable over their expected holding periods. Such market factors include changes in market interest rates and credit spreads and certain macroeconomic events, none of which will directly impact the Company's ability to collect amounts contractually due. Management continually evaluates the credit status of each of the Company's securities and the collateral supporting those securities. This evaluation includes a review of the credit of the issuer of the security (if applicable), the credit rating of the security (if applicable), the key terms of the security (including credit support), debt service coverage and loan to value ratios, the performance of the pool of underlying loans and the estimated value of the collateral supporting such loans, including the effect of local, industry and broader economic trends and factors. Significant judgment is required in this analysis. In connection with the above, the Company weighs the fact that substantially all of its investments in RMBS are guaranteed by U.S. government agencies or U.S. government sponsored enterprises.

Unrealized losses that are considered OTTI are recognized in earnings. The Company did not record any OTTI charges during the three month period ended September 30, 2018. The Company recorded approximately \$45,000 of OTTI charges during the nine month period ended September 30, 2018. The Company did not record any OTTI charges during the three month period ended September 30, 2017. The Company recorded approximately \$77,000 of OTTI charges during the nine month period ended September 30, 2017.



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The following tables summarize the Company's securities in an unrealized loss position as of the dates indicated (dollars in thousands):

RMBS Unrealized Loss Positions

As of September 30, 2018

Duration in Loss Position	Original Face Value	Book Value	Gross Unrealized Losses	Carrying Value <sup>(A)</sup>	Number of Securities	Weighted Average			Maturity (Years) <sup>(D)</sup>
						Rating	Coupon	Yield <sup>(C)</sup>	
Less than Twelve Months	\$1,129,948	\$1,001,654	\$(26,745 )	\$974,909	125	(B)	3.90 %	3.76 %	26
Twelve or More Months	856,814	773,492	(36,259 )	737,233	102	(B)	3.72 %	3.54 %	25
Total/Weighted Average	\$1,986,762	\$1,775,146	\$(63,004 )	\$1,712,142	227		3.82 %	3.66 %	26

As of December 31, 2017

Duration in Loss Position	Original Face Value	Book Value	Gross Unrealized Losses	Carrying Value <sup>(A)</sup>	Number of Securities	Weighted Average			Maturity (Years) <sup>(D)</sup>
						Rating	Coupon	Yield <sup>(C)</sup>	
Less than Twelve Months	\$1,026,911	\$1,005,352	\$(5,378 )	\$999,974	111	(B)	3.81 %	3.63 %	26
Twelve or More Months	323,858	289,599	(6,199 )	283,400	45	(B)	3.61 %	3.40 %	25
Total/Weighted Average	\$1,350,769	\$1,294,951	\$(11,577 )	\$1,283,374	156		3.76 %	3.58 %	26

(A) See Note 9 regarding the estimation of fair value, which approximates carrying value for all securities.

The Company used an implied AAA rating for the Agency RMBS. CMOs issued by Fannie Mae or Freddie Mac consist of loss share securities, the majority of which, by UPB, are unrated or rated below investment grade at September 30, 2018 by at least one NRSRO. Private label securities are rated investment grade or better by at least one NRSRO as of September 30, 2018.

(B) The weighted average yield is based on the most recent annualized monthly interest income, divided by the book value of settled securities.

(C) The weighted average maturity is based on the timing of expected principal reduction on the assets. Except for the security for which the Company has recognized OTTI, the Company does not intend to sell the investments and it

(D) is not more likely than not that the Company will be required to sell the investments before recovery of their amortized cost bases which may be maturity.

Note 5 — Investments in Servicing Related Assets

Excess MSRs

In 2013 and 2014, the Company acquired Excess MSRs from Freedom Mortgage and entered into recapture agreements with Freedom Mortgage. For reporting purposes, these Excess MSRs were aggregated into three pools: Excess MSR Pool 1, Excess MSR Pool 2 and Excess MSR Pool 2014.

Excess MSR Pool 1 and Excess MSR Pool 2014 were sold to Freedom Mortgage on November 15, 2016, and Excess MSR Pool 2 was sold to Freedom Mortgage on February 1, 2017. Each recapture agreement between the Company and Freedom Mortgage was terminated at the time the related pool was sold. See Note 7.

#### MSRs

On May 29, 2015, in conjunction with the acquisition of Aurora, the Company acquired MSRs on conventional mortgage loans with an aggregate UPB of approximately \$718.4 million at the time of acquisition.

Subsequently, Aurora acquired portfolios of Fannie Mae, Freddie Mac and Ginnie Mae MSRs with an aggregate UPB of approximately \$24.6 billion as of the respective acquisition dates. See Note 7 for a description of the Company's acquisition of MSRs from Freedom Mortgage in connection with the sale by the Company of its Excess MSRs to Freedom Mortgage.

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In June 2016, Aurora entered into a joint marketing recapture agreement with Freedom Mortgage. Pursuant to this agreement, Freedom Mortgage attempts to refinance certain mortgage loans underlying Aurora's MSR portfolio as directed by Aurora. See Note 7.

The following is a summary of the Company's Servicing Related Assets as of the dates indicated (dollars in thousands):

Servicing Related Assets Summary  
As of September 30, 2018

	Unpaid Principal Balance	Cost Basis	Carrying Value <sup>(A)</sup>	Weighted Average Coupon	Weighted Average Maturity (Years) <sup>(B)</sup>	Changes in Fair Value Recorded in Other Income (Loss)
MSRs						
Conventional	\$ 18,849,384	\$ 223,154 (C)	\$ 238,277	4.29 %	27.3	\$ 15,123
Government	3,596,317	40,458 (C)	43,686	3.36 %	27.1	3,228
Total / Weighted Average	\$ 22,445,701	\$ 263,612	\$ 281,963	4.14 %	27.2	\$ 18,351

As of December 31, 2017

	Unpaid Principal Balance	Cost Basis	Carrying Value <sup>(A)</sup>	Weighted Average Coupon	Weighted Average Maturity (Years) <sup>(B)</sup>	Changes in Fair Value Recorded in Other Income (Loss)
MSRs						
Conventional	\$ 7,724,397	\$ 81,499 (C)	\$ 82,150	3.89 %	25.2	\$ 651
Government	3,986,254	32,148 (C)	40,656	3.36 %	27.8	8,508
Total / Weighted Average	\$ 11,710,651	\$ 113,647	\$ 122,806	3.71 %	26.1	\$ 9,159

(A) Carrying value represents the fair value of the pools (see Note 9).

(B) The weighted average maturity represents the weighted average expected timing of the receipt of cash flows of each investment.

(C) MSR cost basis consists of the carrying value of the prior period, adjusted for any purchases, sales and principal paydowns of the underlying mortgage loans.

The tables below summarize the geographic distribution for the states representing 5% or greater of the aggregate UPB of the residential mortgage loans underlying the Servicing Related Assets as of the dates indicated:

Geographic Concentration of Servicing Related Assets

As of September 30, 2018

	Percentage of Total Outstanding Unpaid Principal Balance
California	13.6 %
Texas	6.3 %



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Florida	5.3	%
All other	74.9	%
Total	100.0	%

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As of December 31, 2017

	Percentage of Total Outstanding Unpaid Principal Balance	
California	13.7	%
New Jersey	7.2	%
Florida	5.3	%
All other	73.8	%
Total	100.0	%

Geographic concentrations of investments expose the Company to the risk of economic downturns within the relevant states. Any such downturn in a state where the Company holds significant investments could affect the underlying borrower's ability to make the mortgage payment and, therefore, could have a meaningful, negative impact on the Company's Servicing Related Assets.

## Note 6 — Equity and Earnings per Common Share

## Equity Incentive Plan

During 2013, the board of directors approved and the Company adopted the Cherry Hill Mortgage Investment Corporation 2013 Equity Incentive Plan (the "2013 Plan"). The 2013 Plan provides for the grant of options to purchase shares of the Company's common stock, stock awards, stock appreciation rights, performance units, incentive awards and other equity-based awards, including long term incentive plan units ("LTIP-OP Units") of the Operating Partnership.

LTIP-OP Units are a special class of partnership interest in the Operating Partnership. LTIP-OP Units may be issued to eligible participants for the performance of services to or for the benefit of the Operating Partnership. Initially, LTIP-OP Units do not have full parity with the Operating Partnership's common units of limited partnership interest ("OP Units") with respect to liquidating distributions; however, LTIP-OP Units receive, whether vested or not, the same per-unit distributions as OP Units and are allocated their pro-rata share of the Operating Partnership's net income or loss. Under the terms of the LTIP-OP Units, the Operating Partnership will revalue its assets upon the occurrence of certain specified events, and any increase in the Operating Partnership's valuation from the time of grant of the LTIP-OP Units until such event will be allocated first to the holders of LTIP-OP Units to equalize the capital accounts of such holders with the capital accounts of the holders of OP Units. Upon equalization of the capital accounts of the holders of LTIP-OP Units with the other holders of OP Units, the LTIP-OP Units will achieve full parity with OP Units for all purposes, including with respect to liquidating distributions. If such parity is reached, vested LTIP-OP Units may be converted into an equal number of OP Units at any time and, thereafter, enjoy all the rights of OP Units, including redemption rights. Each LTIP-OP Unit awarded is deemed equivalent to an award of one share of the Company's common stock under the 2013 Plan and reduces the 2013 Plan's share authorization for other awards on a one-for-one basis.

An LTIP-OP Unit and a share of common stock of the Company have substantially the same economic characteristics in as much as they effectively share equally in the net income or loss of the Operating Partnership. Holders of LTIP-OP Units that have reached parity with OP Units have the right to redeem their LTIP-OP Units, subject to certain restrictions. The redemption is required to be satisfied in cash, or at the Company's option, the Company may purchase the OP Units for common stock, calculated as follows: one share of the Company's common stock, or cash equal to the fair value of a share of the Company's common stock at the time of redemption, for each LTIP-OP Unit. When an LTIP-OP Unit holder redeems an OP Unit (as described above), non-controlling interest in the Operating Partnership is reduced and the Company's equity is increased.



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LTIP-OP Units vest ratably over the first three annual anniversaries of the grant date. The fair value of each LTIP-OP Unit was determined based on the closing price of the Company's common stock on the applicable grant date in all other cases.

The following table sets forth the number of shares of the Company's common stock and the values thereof (based on the closing prices on the respective dates of grant) granted to the Company's independent directors under the 2013 Plan. Except as otherwise indicated, all shares are fully vested.

The following tables present certain information about the 2013 Plan as of the dates indicated:

## Equity Incentive Plan Information

	LTIP-OP Units			Shares of Common Stock		Number of Securities Remaining Available For Future Issuance Under Equity Compensation Plans	Issuance Price
	Issued	Forfeited	Converted	Issued	Forfeited		
December 31, 2016 Number of securities issued or to be issued upon exercise	(140,350)	916	-	(28,503 )	3,155	1,335,218	
March 31, 2017 Number of securities issued or to be issued upon exercise	(140,350 )	916	-	(28,503 )	3,155	1,335,218	
June 30, 2017 Number of securities issued or to be issued upon exercise	(38,150 )	-	-	(8,199 )	-	(46,349 )	\$ 18.30
September 30, 2017 Number of securities issued or to be issued upon exercise	(178,500)	916	12,917	(49,619 )	3,155	1,288,869	\$ 18.44
December 31, 2017 Number of securities issued or to be issued upon exercise	(178,500)	916	12,917	(49,619 )	3,155	1,288,869	
March 31, 2018 Number of securities issued or to be issued upon exercise	(178,500)	916	12,917	(49,619 )	3,155	1,288,869	
June 30, 2018 Number of securities issued or to be issued upon exercise	(45,400 )	-	-	(8,256 )	-	(53,656 )	\$ 18.17
September 30, 2018	(223,900)	916	12,917	(57,875 )	3,155	1,235,213	

The Company recognized approximately \$194,000 and \$183,000 in share-based compensation expense in the three month periods ended September 30, 2018 and September 30, 2017, respectively. The Company recognized approximately \$494,000 and \$464,000 in share-based compensation expense in the nine month periods ended September 30, 2018 and September 30, 2017, respectively. There was approximately \$1.2 million and \$900,000 of total unrecognized share-based compensation expense as of September 30, 2018 and December 31, 2017, respectively, all of which was related to unvested LTIP-OP Units. This unrecognized share-based compensation expense is expected to be recognized ratably over the remaining vesting period of up to three years. The aggregate expense related to the LTIP-OP Unit grants is presented as "General and administrative expense" in the Company's consolidated statements of income.

#### Non-Controlling Interests in Operating Partnership

Non-controlling interests in the Operating Partnership in the accompanying consolidated financial statements relate to LTIP-OP Units and OP Units issued upon conversion of LTIP-OP Units, in either case, held by parties other than the Company.

As of September 30, 2018, the non-controlling interest holders in the Operating Partnership owned 210,067 LTIP-OP Units, or approximately 1.3% of the units of the Operating Partnership. Pursuant to ASC 810, Consolidation, changes in a parent's ownership interest (and transactions with non-controlling interest unit holders in the Operating Partnership) while the parent retains its controlling interest in its subsidiary should be accounted for as equity transactions. The carrying amount of the non-controlling interest will be adjusted to reflect the change in its ownership interest in the subsidiary, with the offset to equity attributable to the Company.

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Common Stock ATM Program

In August 2018, the Company instituted an at-the-market offering (the “Common Stock ATM Program”) of up to \$50,000,000 of its common stock. Under the Common Stock ATM Program, the Company may, but is not obligated to, sell shares of common stock from time to time through one or more selling agents. The Common Stock ATM Program has no set expiration date and may be renewed or terminated by the Company at any time. During the three month period ended September 30, 2018, the Company issued and sold 371,041 shares of common stock under the Common Stock ATM Program. The shares were sold at a weighted average price of \$18.66 per share for gross proceeds of approximately \$6.9 million before fees of approximately \$138,000 and expenses of approximately \$200,000.

Preferred Stock

The Company is authorized to issue up to 100,000,000 shares of preferred stock, \$0.01 par value per share, of which 96,200,000 shares were undesignated and 3,800,000 shares were designated as Series A Preferred Stock as of September 30, 2018.

On August 17, 2017, the Company completed an offering of 2,400,000 shares of Series A Preferred Stock for net proceeds of \$58.1 million after underwriting discounts and commissions but before expenses of approximately \$193,000.

In April 2018, the Company instituted an at-the-market offering (the “Preferred Series A ATM Program”) of up to \$35,000,000 of its Series A Preferred Stock. Under the Preferred Series A ATM Program, the Company may, but is not obligated to, sell shares of Series A Preferred Stock from time to time through one or more selling agents. The Preferred Series A ATM Program has no set expiration date and may be renewed or terminated by the Company at any time. During the three month period ended September 30, 2018, the Company issued and sold 103,570 shares of Series A Preferred Stock under the Preferred Series A ATM Program. The shares were sold at a weighted average price of \$25.63 per share for gross proceeds of approximately \$2.7 million before fees of approximately \$42,000.

The Series A Preferred Stock ranks senior to the Company’s common stock with respect to rights to the payment of dividends and the distribution of assets upon the Company’s liquidation, dissolution or winding up. The Series A Preferred Stock has no stated maturity, is not subject to any sinking fund or mandatory redemption and will remain outstanding indefinitely unless repurchased or redeemed by the Company or converted by the holders of the Series A Preferred Stock into the Company’s common stock in connection with certain changes of control. The Series A Preferred Stock is not redeemable by the Company prior to August 17, 2022, except under circumstances intended to preserve the Company’s qualification as a REIT for U.S. federal income tax purposes and except upon the occurrence of certain changes of control. On and after August 17, 2022, the Company may, at its option, redeem the Series A Preferred Stock, in whole or in part, at any time or from time to time, for cash at a redemption price equal to \$25.00 per share, plus any accumulated and unpaid dividends to, but not including, the date fixed for redemption. If the Company does not exercise its rights to redeem the Series A Preferred Stock upon certain changes in control, the holders of the Series A Preferred Stock have the right to convert some or all of their shares of Series A Preferred Stock into a number of shares of the Company’s common stock based on a defined formula, subject to a share cap, or alternative consideration. The share cap on each share of Series A Preferred Stock is 2.62881 shares of common stock, subject to certain adjustments. The Company pays cumulative cash dividends at the rate of 8.20% per annum of the \$25.00 per share liquidation preference (equivalent to \$2.05 per annum per share) on the Series A Preferred Stock, in arrears, on or about the 15<sup>th</sup> day of January, April, July and October of each year.

Earnings per Common Share

The Company is required to present both basic and diluted earnings per common share (“EPS”). Basic EPS is calculated by dividing net income applicable to common stockholders by the weighted average number of shares of common stock outstanding during each period. Diluted EPS is calculated by dividing net income applicable to common stockholders by the weighted average number of shares of common stock outstanding plus the additional dilutive effect of common stock equivalents during each period. In accordance with ASC 260, Earnings Per Share, if there is a loss from continuing operations, the common stock equivalents are deemed anti-dilutive and earnings (loss) per share is calculated excluding the potential common shares.

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The following table presents basic earnings per share of common stock for the periods indicated (dollars in thousands, except per share data):

## Earnings per Common Share Information

	Three Months Ended September 30,		Nine Months Ended September 30,	
	2018	2017	2018	2017
Numerator:				
Net income allocable to common stockholders	\$ 27,499	\$ 6,859	\$ 76,583	\$ 27,781
Net income allocated to noncontrolling interests in Operating Partnership	(364 )	(93 )	(993 )	(386 )
Dividends on preferred stock	1,372	593	3,902	593
Net income attributable to common stockholders	\$ 25,763	\$ 6,173	\$ 71,688	\$ 26,802
Denominator:				
Weighted average common shares outstanding	15,864,774	12,703,577	14,065,000	11,023,348
Weighted average diluted shares outstanding	15,873,030	12,711,776	14,073,256	11,030,401
Basic and Diluted:				
Basic	\$ 1.62	\$ 0.49	\$ 5.10	\$ 2.43
Diluted	\$ 1.62	\$ 0.49	\$ 5.09	\$ 2.43

There were no participating securities or equity instruments outstanding that were anti-dilutive for purposes of calculating EPS for the periods presented.

## Note 7 — Transactions with Affiliates and Affiliated Entities

## Manager

The Company has entered into the Management Agreement with the Manager, pursuant to which the Manager provides for the day-to-day management of the Company's operations. The Management Agreement requires the Manager to manage the Company's business affairs in conformity with the policies that are approved and monitored by the Company's board of directors. The term of the Management Agreement will expire on October 22, 2020 and will be automatically renewed for a one-year term on such date and on each anniversary of such date thereafter unless terminated or not renewed as described below. Either we or our Manager may elect not to renew the Management Agreement upon expiration of its initial term or any renewal term by providing written notice of non-renewal at least 180 days, but not more than 270 days, before expiration. In the event we elect not to renew the term, we will be required to pay our Manager a termination fee equal to three times the average annual management fee amount earned by the Manager during the two four-quarter periods ending as of the end of the most recently completed fiscal quarter prior to the non-renewal. We may terminate the Management Agreement at any time for cause effective upon 30 days prior written notice of termination from us to our Manager, in which case no termination fee would be due. Our board of directors will review our Manager's performance prior to the automatic renewal thereof and, as a result of such review, upon the affirmative vote of at least two-thirds of the members of our board of directors or of the holders of a majority of our outstanding common stock, we may terminate the Management Agreement based upon unsatisfactory performance by our Manager that is materially detrimental to us or a determination by our independent directors that the management fees payable to our Manager are not fair, subject to the right of our Manager to prevent such a termination by agreeing to a reduction of the management fees payable to our Manager. Upon any termination of the Management Agreement based on unsatisfactory performance or unfair management fees, we are required to pay our Manager the termination fee described above. Our Manager may terminate the Management Agreement, without



payment of the termination fee, in the event we become regulated as an investment company under the Investment Company Act of 1940, as amended. Our Manager may also terminate the Management Agreement upon 60 days' written notice if we default in the performance of any material term of the Management Agreement and the default continues for a period of 30 days after written notice to us, whereupon we would be required to pay our Manager the termination fee described above. Pursuant to the Management Agreement, the Manager, under the supervision of the Company's board of directors, formulates investment strategies, arranges for the acquisition of assets, arranges for financing, monitors the performance of the Company's assets and provides certain advisory, administrative and managerial services in connection with the operations of the Company. For performing these services, the Company pays the Manager the management fee which is payable in cash quarterly in arrears, in an amount equal to 1.5% per annum of the Company's stockholders' equity (as defined in the Management Agreement).

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The Manager is a party to a services agreement (the “Services Agreement”) with Freedom Mortgage, pursuant to which Freedom Mortgage provides to the Manager the personnel, services and resources needed by the Manager to carry out its obligations and responsibilities under the Management Agreement. The Company is a named third-party beneficiary to the Services Agreement and, as a result, has, as a non-exclusive remedy, a direct right of action against Freedom Mortgage in the event of any breach by the Manager of any of its duties, obligations or agreements under the Management Agreement that arise out of or result from any breach by Freedom Mortgage of its obligations under the Services Agreement. The Services Agreement will terminate upon the termination of the Management Agreement. Pursuant to the Services Agreement, the Manager will make certain payments to Freedom Mortgage in connection with the services provided. The Management Agreement between the Company and the Manager was negotiated between related parties, and the terms, including fees payable, may not be as favorable to the Company as if it had been negotiated with an unaffiliated third party. At the time the Management Agreement was negotiated, both the Manager and Freedom Mortgage were controlled by Mr. Stanley Middleman, who is also a shareholder of the Company. Ownership of the Manager has been transferred to CHMM Blind Trust, a grantor trust for the benefit of Mr. Middleman.

The Management Agreement provides that the Company will reimburse the Manager for (i) various expenses incurred by the Manager or its officers, and agents on the Company’s behalf, including costs of software, legal, accounting, tax, administrative and other similar services rendered for the Company by providers retained by the Manager and (ii) the allocable portion of the compensation paid to specified officers dedicated to the Company. The amounts under “Due to affiliates” on the consolidated balance sheets consisted of the following for the periods indicated (dollars in thousands):

## Management Fees and Compensation Reimbursement to Affiliate

	Three Months Ended September 30,		Nine Months Ended September 30,	
	2018	2017	2018	2017
Management fees	\$ 1,361	\$ 757	\$ 3,677	\$ 2,429
Compensation reimbursement	238	191	620	573
Total	\$ 1,599	\$ 948	\$ 4,297	\$ 3,002

## Subservicing Agreement

Freedom Mortgage is directly servicing a portion of the Company’s portfolio of Fannie Mae and Freddie Mac MSR’s and all of its Ginnie Mae MSR’s pursuant to a subservicing agreement entered into on June 10, 2015. Freedom Mortgage has given notice of termination of the subservicing agreement without cause, effective April 5, 2019. The agreement may be terminated without cause by either party by giving notice as specified in the agreement. Under that agreement until the servicing is transferred during the first half of 2019, Freedom Mortgage agrees to service the applicable mortgage loans in accordance with applicable law and the requirements of the applicable agency and the Company pays customary fees to Freedom Mortgage for specified services.

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Joint Marketing Recapture Agreement

In June 2016, Aurora entered into a joint marketing recapture agreement with Freedom Mortgage. Pursuant to this agreement, Freedom Mortgage attempts to refinance certain mortgage loans underlying Aurora's MSR portfolio subserviced by Freedom Mortgage as directed by Aurora. This agreement will terminate upon termination of the subservicing agreement with Freedom Mortgage. If a loan is refinanced, Aurora will pay Freedom Mortgage a fee for its origination services. Freedom Mortgage will be entitled to sell the loan for its own benefit and will transfer the related MSR to Aurora. The agreement had an initial term of one year, subject to automatic renewals of one year each and subject to termination by either party upon 60 days prior notice. All new loans must qualify for sale to Fannie Mae or Freddie Mac or be eligible for pooling with Ginnie Mae, as applicable, and meet other conditions set forth in the agreement. During the three-month period ended September 30, 2018, MSRs on 9 loans with an aggregate UPB of approximately \$2.3 million had been received from Freedom Mortgage which generated approximately \$3,000 in fees due to Freedom Mortgage. During the nine month period ended September 30, 2018, MSRs on 77 loans with an aggregate UPB of approximately \$16.5 million had been received from Freedom Mortgage which generated approximately \$24,000 in fees due to Freedom Mortgage. During the year ended December 31, 2017, MSRs on 116 loans with an aggregate UPB of approximately \$27.6 million had been received from Freedom Mortgage which generated approximately \$43,000 in fees due to Freedom Mortgage.

Sale of Excess MSRs

On November 15, 2016, the Company sold the Excess MSRs in Excess MSR Pool 1 and the Excess MSRs in Excess MSR Pool 2014 to Freedom Mortgage. At the closing, the Company received cash proceeds of approximately \$38.0 million, repaid \$12.0 million of outstanding borrowings drawn on the Company's \$25 million term loan facility with NexBank SSB (the "NexBank term loan") with a portion of the cash proceeds and released the Company's security interests in the underlying MSRs. The Company invested the remaining cash proceeds in Agency RMBS. The Company sold the Excess MSRs in Excess MSR Pool 2 to Freedom Mortgage on February 1, 2017. In connection with the sale of the Excess MSRs in Excess MSR Pool 2 to Freedom Mortgage, Freedom Mortgage transferred to Aurora Ginnie Mae MSRs with a weighted average servicing fee of approximately 30 basis points at the time of acquisition. The Ginnie Mae MSRs relate to a pool consisting primarily of newly originated Ginnie Mae conforming mortgage loans that had an aggregate UPB of approximately \$4.5 billion as of January 31, 2017. At the closing of the sale of the Excess MSRs in Excess MSR Pool 2, the Company repaid the remaining outstanding borrowings drawn on the NexBank term loan with cash on hand. In addition, the acknowledgment agreement that the Company and Freedom Mortgage entered into with Ginnie Mae at the time of the IPO was terminated.

In connection with the sale transactions, Freedom Mortgage made 12 monthly yield maintenance payments to the Company from December 2016 to November 2017 aggregating \$3.0 million.

See Note 10 for a discussion of the now terminated acknowledgment agreement among the Company, Freedom Mortgage and Ginnie Mae.

Other Transactions with Affiliated Persons

In March 2017, the Company waived the forfeiture provisions of LTIP-OP Units previously granted to Mr. Middleman that otherwise would have been triggered once he no longer was a member of the Company's board of directors.

Note 8 — Derivative Instruments

Interest Rate Swap Agreements, Swaptions, TBAs and Treasury Futures

In order to help mitigate exposure to higher short-term interest rates in connection with borrowings under its repurchase agreements, the Company enters into interest rate swap agreements and swaption agreements. Interest rate swap agreements establish an economic fixed rate on related borrowings because the variable-rate payments received on the interest rate swap agreements largely offset interest accruing on the related borrowings, leaving the fixed-rate payments to be paid on the interest rate swap agreements as the Company's effective borrowing rate, subject to certain adjustments including changes in spreads between variable rates on the interest rate swap agreements and actual borrowing rates. A swaption is an option granting its owner the right but not the obligation to enter into an underlying swap. The Company's interest rate swap agreements and swaptions have not been designated as qualifying hedging instruments for GAAP purposes.

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In order to help mitigate duration risk and manage basis risk, the Company utilizes Treasury futures and forward-settling purchases and sales of RMBS where the underlying pools of mortgage loans are TBAs. Pursuant to these TBA transactions, the Company agrees to purchase or sell, for future delivery, Agency RMBS with certain principal and interest terms and certain types of underlying collateral, but the particular Agency RMBS to be delivered is not identified until shortly before the TBA settlement date. Unless otherwise indicated, references to Treasury futures include options on Treasury futures.

The following table summarizes the outstanding notional amounts of derivative instruments as of the dates indicated (dollars in thousands):

Derivatives	September 30, 2018	December 31, 2017
Notional amount of interest rate swaps	\$ 1,397,000	\$ 1,067,950
Notional amount of swaptions	160,000	155,000
Notional amount of TBAs, net	(40,000 )	26,900
Total notional amount	\$ 1,517,000	\$ 1,249,850

The following table presents information about the Company's interest rate swap agreements as of the dates indicated (dollars in thousands):

	Notional Amount	Weighted Average Pay Rate	Weighted Average Receive Rate	Weighted Average Years to Maturity
September 30, 2018	\$ 1,397,000	2.12 %	2.33 %	5.0
December 31, 2017	\$ 1,067,950	1.83 %	1.44 %	4.9

The following table presents information about the Company's interest rate swaption agreements as of the dates indicated (dollars in thousands):

	Notional Amount	Weighted Average Pay Rate	Weighted Average Receive Rate <sup>(A)</sup>	Weighted Average Years to Maturity
September 30, 2018	\$ 160,000	3.07 %	LIBOR-BBA %	10.2
December 31, 2017	\$ 155,000	2.88 %	LIBOR-BBA %	10.8

(A) Floats in accordance with LIBOR.

The following table presents information about realized gain (loss) on derivatives, which is included on the consolidated statements of income for the periods indicated (dollars in thousands):

Realized Gains (Losses) on Derivatives

	Consolidated Statements of Income	Three Months Ended September 30,		Nine Months Ended September 30,	
	(Loss) Location	2018	2017	2018	2017
Derivatives					
Interest rate swaps	Realized gain (loss) on derivatives, net	\$ (377 )	\$ (720 )	\$ (961 )	\$ (1,315 )
Swaptions	Realized gain (loss) on derivatives, net	(459 )	(105 )	(834 )	(174 )

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TBAs	Realized gain (loss) on derivatives, net	(435 )	(329 )	(1,013 )	(843 )
Treasury futures	Realized gain (loss) on derivatives, net	564	(326 )	81	(1,962 )
Total		\$ (707 )	\$ (1,480 )	\$ (2,727 )	\$ (4,294 )

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## Offsetting Assets and Liabilities

The Company has netting arrangements in place with all of its derivative counterparties pursuant to standard documentation developed by the International Swap and Derivatives Association. Under GAAP, if the Company has a valid right of offset, it may offset the related asset and liability and report the net amount. The Company presents interest rate swaps, swaptions and Treasury futures assets and liabilities on a gross basis in its consolidated balance sheets, but in the case of interest rate swaps beginning in 2018, net of variation margin. The Company presents TBA assets and liabilities on a net basis in its consolidated balance sheets. The Company presents repurchase agreements in this section even though they are not derivatives because they are subject to master netting arrangements. However, repurchase agreements are presented on a gross basis. Additionally, the Company does not offset financial assets and liabilities with the associated cash collateral on the consolidated balance sheets.

The following tables present information about the Company's assets and liabilities that are subject to master netting arrangements or similar agreements and can potentially be offset on the Company's consolidated balance sheets as of the dates indicated (dollars in thousands):

## Offsetting Assets and Liabilities

As of September 30, 2018

	Gross Amounts of Recognized Assets or Liabilities	Gross Amounts Offset in the Consolidated Sheet	Net Amounts of Assets Presented in the Consolidated Balance Sheet	Gross Amounts Not Offset in the Consolidated Balance Sheet			Net Amount
				Financial Instruments	Cash Collateral Received (Pledged)		
<b>Assets</b>							
Interest rate swaps	\$28,628	\$ -	\$ 28,628	\$ (28,628	) \$ -		\$ -
Swaptions	2,725	-	2,725	(2,725	) -		-
TBA's	78	-	78	(78	) -		-
Treasury futures	-	-	-	2,103	(2,103	)	-
Total Assets	\$31,431	\$ -	\$ 31,431	\$ (29,328	) \$ (2,103	)	\$ -
<b>Liabilities</b>							
Repurchase agreements	\$1,680,394	\$ -	\$ 1,680,394	\$ (1,643,183	) \$ (37,211	)	\$ -
Interest rate swaps	396	-	396	-	(396	)	-
Total Liabilities	\$1,680,790	\$ -	\$ 1,680,790	\$ (1,643,183	) \$ (37,607	)	\$ -

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As of December 31, 2017

	Gross Amounts of Recognized Assets or Liabilities		Gross Amounts Offset in the Consolidated Balance Sheet	Net Amounts of Assets Presented in the Consolidated Balance Sheet	Gross Amounts Not Offset in the Consolidated Balance Sheet		
					Cash Received (Pledged)		Net Amount
<b>Assets</b>							
Interest rate swaps	\$ 12,994	\$ -	\$ 12,994	\$ (12,994	) \$ -		\$ -
Swaptions	802	-	802	(802	) -		-
TBAs	34	-	34	(34	) -		-
Total Assets	\$ 13,830	\$ -	\$ 13,830	\$ (13,830	) \$ -		\$ -
<b>Liabilities</b>							
Repurchase agreements	\$ 1,666,537	\$ -	\$ 1,666,537	\$ (1,637,922	) \$ (28,615	) \$ -	\$ -
Interest rate swaps	342	-	342	32	(374	) -	-
Treasury futures	2	-	2	177	(179	) -	-
Total Liabilities	\$ 1,666,881	\$ -	\$ 1,666,881	\$ (1,637,713	) \$ (29,168	) \$ -	\$ -

## Note 9 – Fair Value

## Fair Value Measurements

ASC 820 defines fair value as the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date. ASC 820 clarifies that fair value should be based on the assumptions market participants would use when pricing an asset or liability and establishes a fair value hierarchy that prioritizes the information used to develop those assumptions. The fair value hierarchy gives the highest priority to quoted prices available in active markets (i.e., observable inputs) and the lowest priority to data lacking transparency (i.e., unobservable inputs). Additionally, ASC 820 requires an entity to consider all aspects of nonperformance risk, including the entity's own credit standing, when measuring the fair value of a liability.

ASC 820 establishes a three level hierarchy to be used when measuring and disclosing fair value. An instrument's categorization within the fair value hierarchy is based on the lowest level of significant input to its valuation. Following is a description of the three levels:

Level 1 inputs are quoted prices in active markets for identical assets or liabilities as of the measurement date under current market conditions. Additionally, the entity must have the ability to access the active market and the quoted prices cannot be adjusted by the entity.

Level 2 inputs include quoted prices in active markets for similar assets or liabilities; quoted prices in inactive markets for identical or similar assets or liabilities; or inputs that are observable or can be corroborated by observable market data by correlation or other means for substantially the full-term of the assets or liabilities.

Level 3 unobservable inputs are supported by little or no market activity. The unobservable inputs represent the assumptions that management believes market participants would use to price the assets and liabilities, including risk. Generally, Level 3 assets and liabilities are valued using pricing models, discounted cash flow methodologies, or similar techniques that require significant judgment or estimation.



### Recurring Fair Value Measurements

The following is a description of the methods used to estimate the fair values of the Company's assets and liabilities measured at fair value on a recurring basis, as well as the basis for classifying these assets and liabilities as Level 2 or 3 within the fair value hierarchy. The Company's valuations consider assumptions that it believes a market participant would consider in valuing the assets and liabilities, the most significant of which are disclosed below. The Company reassesses and periodically adjusts the underlying inputs and assumptions used in the valuations for recent historical experience, as well as for current and expected relevant market conditions.

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RMBS

The Company holds a portfolio of RMBS that are classified as available for sale and are carried at fair value in the consolidated balance sheets. The Company determines the fair value of its RMBS based upon prices obtained from third-party pricing providers. The third-party pricing providers use pricing models that generally incorporate such factors as coupons, primary and secondary mortgage rates, rate reset period, issuer, prepayment speeds, credit enhancements and expected life of the security. As a result, the Company classified 100% of its RMBS as Level 2 fair value assets at September 30, 2018 and December 31, 2017.

Excess MSRs

The Company held a portfolio of Excess MSRs that were reported at fair value in the consolidated balance sheet at December 31, 2016. The Company used a discounted cash flow model to estimate the fair value of these assets. Although Excess MSR transactions are observable in the marketplace, the valuation includes unobservable market data inputs (prepayment speeds, delinquency levels and discount rates). As a result, the Company classified 100% of its Excess MSRs as Level 3 fair value assets at December 31, 2016. The Company did not hold any Excess MSRs at September 30, 2018 or December 31, 2017.

MSRs

The Company holds a portfolio of MSRs that are reported at fair value in the consolidated balance sheets. The Company uses a discounted cash flow model to estimate the fair value of these assets. Although MSR transactions are observable in the marketplace, the valuation includes unobservable market data inputs (prepayment speeds, delinquency levels, costs to service and discount rates). As a result, the Company classified 100% of its MSRs as Level 3 fair value assets at September 30, 2018 and December 31, 2017.

Derivative Instruments

The Company enters into a variety of derivative instruments as part of its economic hedging strategies. The Company executes interest rate swaps, swaptions, TBAs and treasury futures. The Company utilizes third-party pricing providers to value its derivative instruments. As a result, the Company classified 100% of its derivative instruments as Level 2 fair value assets and liabilities at September 30, 2018 and December 31, 2017.

Both the Company and the derivative counterparties under their netting arrangements are required to post cash collateral based upon the net underlying market value of the Company's open positions with the counterparties. Posting of cash collateral typically occurs daily, subject to certain dollar thresholds. Due to the existence of netting arrangements, as well as frequent cash collateral posting at low posting thresholds, credit exposure to the Company and/or counterparties is considered materially mitigated. The Company's interest rate swaps are required to be cleared on an exchange, which further mitigates, but does not eliminate, credit risk. Based on the Company's assessment, there is no requirement for any additional adjustment to derivative valuations specifically for credit.

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The following tables present the Company's assets and liabilities measured at fair value on a recurring basis as of the dates indicated (dollars in thousands).

## Recurring Fair Value Measurements

As of September 30, 2018

	Level 1	Level 2	Level 3	Carrying Value
Assets				
RMBS				
Fannie Mae	\$ -	\$1,240,490	\$-	\$ 1,240,490
Freddie Mac	-	475,418	-	475,418
CMOs	-	123,065	-	123,065
RMBS total	-	1,838,973	-	1,838,973
Derivative assets				
Interest rate swaps	-	28,628	-	28,628
Interest rate swaptions	-	2,725	-	2,725
TBAs	-	78	-	78
Treasury futures	-	-	-	-
Derivative assets total	-	31,431	-	31,431
Servicing related assets	-	-	281,963	281,963
Total Assets	\$ -	\$1,870,404	\$281,963	\$ 2,152,367
Liabilities				
Derivative liabilities				
Interest rate swaps	-	396	-	396
TBAs	-	-	-	-
Treasury futures	-	-	-	-
Derivative liabilities total	-	396	-	396
Total Liabilities	\$ -	\$396	\$-	\$ 396

As of December 31, 2017

	Level 1	Level 2	Level 3	Carrying Value
Assets				
RMBS				
Fannie Mae	\$ -	\$1,233,699	\$-	\$ 1,233,699
Freddie Mac	-	513,544	-	513,544
CMOs	-	93,669	-	93,669
RMBS total	-	1,840,912	-	1,840,912
Derivative assets				
Interest rate swaps	-	12,994	-	12,994
Interest rate swaptions	-	802	-	802
TBAs	-	34	-	34
Derivative assets total	-	13,830	-	13,830
Servicing related assets	-	-	122,806	122,806
Total Assets	\$ -	\$1,854,742	\$122,806	\$ 1,977,548
Liabilities				
Derivative liabilities				
Interest rate swaps	-	342	-	342
Treasury futures	-	2	-	2

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Derivative liabilities total	-	344	-	344	
Total Liabilities	\$	-	\$344	\$-	\$ 344

The Company may be required to measure certain assets or liabilities at fair value from time to time. These periodic fair value measures typically result from application of certain impairment measures under GAAP. These items would constitute nonrecurring fair value measures under ASC 820. As of September 30, 2018 and December 31, 2017, the Company did not have any assets or liabilities measured at fair value on a nonrecurring basis in the periods presented.

#### Level 3 Assets and Liabilities

The valuation of Level 3 assets and liabilities requires significant judgment by the third-party pricing providers and management. The third-party pricing providers and management rely on inputs such as market price quotations from market makers (either market or indicative levels), original transaction price, recent transactions in the same or similar instruments, and changes in financial ratios or cash flows to determine fair value. Level 3 instruments may also be discounted to reflect illiquidity and/or non-transferability, with the amount of such discount estimated by third-party pricing providers and management in the absence of market information. Assumptions used by third-party pricing providers and management due to lack of observable inputs may significantly impact the resulting fair value and, therefore, the Company's consolidated financial statements. The Company's management reviews all valuations that are based on pricing information received from third-party pricing providers. As part of this review, prices are compared against other pricing or input data points in the marketplace, along with internal valuation expertise, to ensure the pricing is reasonable.

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In connection with the above, the Company estimates the fair value of its Servicing Related Assets based on internal pricing models rather than quotations, and compares the results of these internal models against the results from models generated by third-party valuation specialists. The determination of estimated cash flows used in pricing models is inherently subjective and imprecise.

Changes in market conditions, as well as changes in the assumptions or methodology used to determine fair value, could result in a significant change to estimated fair values. It should be noted that minor changes in assumptions or estimation methodologies can have a material effect on these derived or estimated fair values, and that the fair values reflected below are indicative of the interest rate and credit spread environments as of September 30, 2018 and December 31, 2017 and do not take into consideration the effects of subsequent changes in market or other factors.

The tables below present the reconciliation for the Company's Level 3 assets (Servicing Related Assets) measured at fair value on a recurring basis as of the dates indicated (dollars in thousands):

Level 3 Fair Value Measurements

As of September 30, 2018

	Level 3 <sup>(A)</sup> MSRs
Balance at December 31, 2017	\$ 122,806
Purchases, sales and principal paydowns:	
Purchases	143,054
Other changes <sup>(B)</sup>	(2,248 )
Purchases, sales and principal paydowns:	\$ 140,806
Changes in Fair Value due to:	
Changes in valuation inputs or assumptions used in valuation model	28,149
Other changes in fair value <sup>(C)</sup>	(9,798 )
Unrealized gain (loss) included in Net Income	\$ 18,351
Balance at September 30, 2018	\$ 281,963

As of December 31, 2017

	Level 3 <sup>(A)</sup> Excess MSRs		
	Pool 2	MSRs	Total
Balance at December 31, 2016	\$29,392	\$31,871	\$61,263
Purchases, sales and principal paydowns:			
Purchases	-	83,586	83,586
Sales	(35,905)	-	(35,905 )
Other changes <sup>(B)</sup>	6,513	(1,810 )	4,703
Purchases, sales and principal paydowns:	\$(29,392)	\$81,776	\$52,384
Changes in Fair Value due to:			
Changes in valuation inputs or assumptions used in valuation model	-	16,375	16,375
Other changes in fair value <sup>(C)</sup>	-	(7,216 )	(7,216 )
Unrealized gain (loss) included in Net Income	\$-	\$9,159	\$9,159
Balance at December 31, 2017	\$-	\$122,806	\$122,806

- (A) Includes the recapture agreement for each respective pool.
- (B) Represents purchase price adjustments, principally contractual prepayment protection, and changes due to the Company's repurchase of the underlying collateral.
- (C) Represents changes due to realization of expected cash flows.

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The tables below present information about the significant unobservable inputs used in the fair value measurement of the Company's Servicing Related Assets classified as Level 3 fair value assets as of the dates indicated (dollars in thousands):

Fair Value Measurements

As of September 30, 2018

	Fair Value	Valuation Technique	Unobservable Input <sup>(A)</sup>	Range	Weighted Average	
MSRs						
Conventional	\$ 238,277	Discounted cash flow	Constant prepayment speed	5.0% - 23.7%	8.5	%
			Uncollected payments	0.2% - 1.0%	0.8	%
			Discount rate		9.3	%
			Annual cost to service, per loan		\$ 71	
Government	\$ 43,686	Discounted cash flow	Constant prepayment speed	6.0% - 18.7%	8.5	%
			Uncollected payments	0.4% - 4.5%	3.3	%
			Discount rate		12.0	%
			Annual cost to service, per loan		\$ 106	
TOTAL	\$ 281,963	Discounted cash flow				

As of December 31, 2017

	Fair Value	Valuation Technique	Unobservable Input <sup>(A)</sup>	Range	Weighted Average	
MSRs						
Conventional	\$ 82,150	Discounted cash flow	Constant prepayment speed	6.5% - 23.5%	10.5	%
			Uncollected payments	0.2% - 1.8%	0.8	%
			Discount rate		9.3	%
			Annual cost to service, per loan		\$ 70	
Government	\$ 40,656	Discounted cash flow	Constant prepayment speed	6.0% - 14.2%	8.1	%
			Uncollected payments	0.4% - 5.2%	3.3	%
			Discount rate		12.0	%
			Annual cost to service, per loan		\$ 96	
TOTAL	\$ 122,806	Discounted cash flow				

(A) Significant increases (decreases) in any of the inputs in isolation may result in significantly lower (higher) fair value measurements. A change in the assumption used for discount rates may be accompanied by a directionally

similar change in the assumption used for the probability of uncollected payments and a directionally opposite change in the assumption used for prepayment rates.



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### Fair Value of Financial Instruments

In accordance with ASC 820, the Company is required to disclose the fair value of financial instruments, both assets and liabilities recognized and not recognized in the consolidated balance sheets, for which fair value can be estimated. The following describes the Company's methods for estimating the fair value for financial instruments.

RMBS available for sale securities, Servicing Related Assets, derivative assets and derivative liabilities are recurring fair value measurements; carrying value equals fair value. See discussion of valuation methods and assumptions within the "Fair Value Measurements" section of this footnote.

Cash and cash equivalents and restricted cash have a carrying value which approximates fair value because of the short maturities of these instruments.

The carrying value of repurchase agreements and corporate debt that mature in less than one year generally approximates fair value due to the short maturities. The Company does not hold any repurchase agreements that are considered long-term.

Corporate debt that matures in more than one year generally approximates fair value.

### Note 10 — Commitments and Contingencies

The commitments and contingencies of the Company as of September 30, 2018 and December 31, 2017 are described below.

#### Management Agreement

The Company pays the Manager a quarterly management fee, calculated and payable quarterly in arrears, equal to the product of one quarter of the 1.5% management fee annual rate and the stockholders' equity, adjusted as set forth in the Management Agreement as of the end of such fiscal quarter. The Manager relies on resources of Freedom Mortgage to provide the Manager with the necessary resources to conduct the Company's operations. For further discussion regarding the management fee, see Note 7.

#### Legal and Regulatory

From time to time, the Company may be subject to potential liability under laws and government regulations and various claims and legal actions arising in the ordinary course of business. Liabilities are established for legal claims when payments associated with the claims become probable and the costs can be reasonably estimated. The actual costs of resolving legal claims may be substantially higher or lower than the amounts established for those claims. Based on information currently available, management is not aware of any legal or regulatory claims that would have a material effect on the Company's consolidated financial statements, and, therefore, no accrual is required as of September 30, 2018 and December 31, 2017.

#### Commitments to Purchase/Sell RMBS

As of September 30, 2018 and December 31, 2017, the Company held forward TBA purchase and sale commitments, respectively, with counterparties, which are forward Agency RMBS trades, whereby the Company committed to purchasing or selling a pool of securities at a particular interest rate. As of the date of the trade, the mortgage-backed securities underlying the pool that will be delivered to fulfill a TBA trade are not yet designated. The securities are typically "to be announced" 48 hours prior to the established trade settlement date.

As of September 30, 2018, the Company (i) was not obligated to purchase any Agency RMBS securities and (ii) was not obligated to sell any Agency RMBS securities. As of December 31, 2017, the Company (i) was not obligated to purchase any Agency RMBS securities and (ii) was not obligated to sell any Agency RMBS securities.

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## Acknowledgment Agreements

In order to have Ginnie Mae acknowledge the Company's interest in Excess MSR's related to FHA and VA mortgage loans that were pooled into securities guaranteed by Ginnie Mae, the Company entered into an acknowledgment agreement with Ginnie Mae and Freedom Mortgage. Under that agreement, if Freedom Mortgage failed to make a required payment to the holders of the Ginnie Mae-guaranteed RMBS, the Company would have been obligated to make that payment even though the payment may have related to loans for which the Company did not own any Excess MSR's. The Company's failure to make that payment would have resulted in liability to Ginnie Mae for any losses or claims that Ginnie Mae suffered as a result. This agreement was terminated in February 2017 in connection with the sale of the Company's remaining Excess MSR's back to Freedom Mortgage.

In connection with the MSR Financing Facility (as defined below) entered into by Aurora and QRS III, those parties also entered into an acknowledgment agreement with Fannie Mae. Pursuant to that agreement, Fannie Mae consented to the pledge by Aurora and QRS III of their respective interests in MSR's for loans owned or securitized by Fannie Mae, and acknowledged the security interest of the lender in those MSR's. See Note 12—Notes Payable for a description of the MSR Financing Facility.

In connection with the MSR Revolver (as defined below), Aurora, QRS V, and the lender, with a limited joinder by the Company, entered into an Acknowledgement Agreement with Freddie Mac pursuant to which Freddie Mac consented to the pledge of the Freddie Mac MSR's securing the MSR Revolver. Aurora and the lender also entered into a Consent Agreement with Freddie Mac pursuant to which Freddie Mac consented to the pledge of Aurora's rights to reimbursement for advances on the underlying loans. See Note 12—Notes Payable for a description of the MSR Revolver.

## Note 11 – Repurchase Agreements

The Company had outstanding approximately \$1,680.4 million and \$1,666.5 million of borrowings outstanding under its repurchase agreements as of September 30, 2018 and December 31, 2017, respectively. The Company's obligations under these agreements had weighted average remaining maturities of 47 days and 46 days as of September 30, 2018 and December 31, 2017, respectively. RMBS and cash have been pledged as collateral under these repurchase agreements (see Note 4).

The repurchase agreements had the following remaining maturities and weighted average rates as of the dates indicated (dollars in thousands):

## Repurchase Agreement Characteristics

As of September 30, 2018

	Repurchase Agreements	Weighted Average Rate	
Less than one month	\$ 732,212	2.24	%
One to three months	723,385	2.26	%
Greater than three months	224,797	2.37	%
Total/Weighted Average	\$ 1,680,394	2.26	%

As of December 31, 2017

Repurchase Agreements	Weighted Average Rate
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Less than one month	\$429,573	1.44	%
One to three months	1,231,687	1.48	%
Greater than three months	5,277	1.52	%
Total/Weighted Average	\$1,666,537	1.47	%

There were no overnight or demand securities as of September 30, 2018 or December 31, 2017.

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Note 12 – Notes Payable

In September 2016, Aurora and QRS III entered into a loan and security agreement (the “MSR Financing Facility”), pursuant to which Aurora and QRS III pledged their respective rights in all existing and future MSR for loans owned or securitized by Fannie Mae to secure borrowings up to a maximum of \$25.0 million outstanding at any one time. On March 20, 2018, Aurora and QRS III entered into an amendment that increased the maximum amount of the MSR Financing Facility from \$25 million to \$75 million and extended the revolving period, during which only interest payments are due, to March 2020. The revolving period may be further extended by agreement. During the revolving period, borrowings bear interest at a rate equal to a spread over one-month LIBOR subject to a floor. At the end of the revolving period, the outstanding amount will be converted to a three-year term loan that will bear interest at a rate calculated at a spread over the rate for one-year interest rate swaps. The Company has previously guaranteed repayment of all indebtedness under the MSR Financing Facility. Approximately \$67.8 million and \$20.5 million was outstanding under the MSR Financing Facility at September 30, 2018 and December 31, 2017, respectively.

In May 2017, the Company, Aurora and QRS IV obtained a \$20.0 million loan (the “MSR Term Facility”) secured by the pledge of Aurora’s Ginnie Mae MSR and the Company’s ownership interest in QRS IV. The loan bears interest at a fixed rate of 6.18% per annum, amortizes on a ten-year amortization schedule and is due on May 18, 2022.

In July 2018, the Company, Aurora and QRS V (collectively with Aurora and the Company, the “Borrowers”) entered into a \$25 million revolving credit facility (the “MSR Revolver”) pursuant to which Aurora pledged all of its existing and future MSR on loans owned or securitized by Freddie Mac. The term of the MSR Revolver is 364 days with the Borrowers’ option for two renewals for similar terms followed by a one-year term out feature with a 24-month amortization schedule. The MSR Revolver was upsized to \$45 million in September 2018. The Company also has the ability to request up to an additional \$5 million of borrowings. Amounts borrowed bear interest at an adjustable rate equal to a spread above one-month LIBOR. Approximately \$45.0 million was outstanding under the MSR Revolver at September 30, 2018.

The outstanding long-term borrowings had the following remaining maturities as of the dates indicated (dollars in thousands):

Long-Term Borrowings Repayment Characteristics

As of September 30, 2018

	2018	2019	2020	2021	2022	2023	Total
MSR Term Facility							
Borrowings under MSR Term Facility	\$ 500	\$ 2,000	\$ 2,000	\$ 2,000	\$ 10,996	\$ -	\$ 17,496
MSR Financing Facility							
Borrowings under MSR Financing Facility	\$ -	\$ -	\$ 4,355	\$ 63,491	\$ -	\$ -	\$ 67,846
MSR Revolver							
Borrowings under MSR Financing Facility	\$ -	\$ -	\$ -	\$ 45,000	\$ -	\$ -	\$ 45,000
Total	\$ 500	\$ 2,000	\$ 6,355	\$ 110,491	\$ 10,996	\$ -	\$ 130,342

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As of December 31, 2017

	2018	2019	2020	2021	2022	2023	Total
MSR Term Facility							
Borrowings under MSR Term Facility	\$2,000	\$2,000	\$2,000	\$2,000	\$11,000	\$ -	\$19,000
MSR Financing Facility							
Borrowings under MSR Financing Facility	\$-	\$389	\$1,608	\$1,697	\$16,806	\$ -	\$20,500
Total	\$2,000	\$2,389	\$3,608	\$3,697	\$27,806	\$ -	\$39,500

## Note 13 – Receivables and Other Assets

The assets comprising “Receivables and other assets” as of September 30, 2018 and December 31, 2017 are summarized in the following table (dollars in thousands):

## Receivables and Other Assets

	September 30, 2018	December 31, 2017
Servicing advances	\$ 5,554	\$ 5,901
Interest receivable	6,702	5,804
Repurchased loans held for sale	4,123	2,160
Other receivables	3,656	2,777
Total other assets	\$ 20,035	\$ 16,642

The Company only records as an asset those servicing advances that the Company deems recoverable.

## Note 14 – Accrued Expenses and Other Liabilities

The liabilities comprising “Accrued expenses and other liabilities” as of September 30, 2018 and December 31, 2017 are summarized in the following table (dollars in thousands):

## Accrued Expenses and Other Liabilities

	September 30, 2018	December 31, 2017
Accrued interest payable	\$ 6,254	\$ 4,252
Escrow funds held	37	37
Net current tax payable	203	-
Net deferred tax payable	5,165	843
Accrued expenses	10,664	6,882
Total accrued expenses and other liabilities	\$ 22,323	\$ 12,014

## Note 15 – Income Taxes

The Company elected to be taxed as a REIT under Code Sections 856 through 860 beginning with its short taxable year ended December 31, 2013. As a REIT, the Company generally will not be subject to U.S. federal income tax to the extent that it distributes its taxable income to its stockholders. To maintain qualification as a REIT, the Company must distribute at least 90% of its annual REIT taxable income to its stockholders and meet certain other requirements such as assets it may hold, income it may generate and its stockholder composition. It is the Company’s policy to distribute all or substantially all of its REIT taxable income. To the extent there is any undistributed REIT taxable income at the end of a year, the Company can elect to distribute such shortfall within the next year as permitted by the Code.



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Effective January 1, 2014, CHMI Solutions elected to be taxed as a corporation for U.S. federal income tax purposes; prior to this date, CHMI Solutions was a disregarded entity for U.S. federal income tax purposes. CHMI Solutions has jointly elected with the Company, the ultimate beneficial owner of CHMI Solutions, to be treated as a TRS of the Company, and all activities conducted through CHMI Solutions and its wholly-owned subsidiary Aurora, are subject to federal and state income taxes. CHMI Solutions files a consolidated tax return with Aurora and is fully taxed as a U.S. C-Corporation.

The state and local tax jurisdictions for which the Company is subject to tax filing obligations recognize the Company's status as a REIT, and therefore, the Company generally does not pay income tax in such jurisdictions. CHMI Solutions and Aurora are subject to U.S. federal, state and local income taxes.

The components of the Company's income tax expense (benefit) are as follows for the periods indicated below (dollars in thousands):

	Nine Months Ended September 30,	
	2018	2017
Current federal income tax expense	\$ 156	\$ (365 )
Current state income tax expense	47	(45 )
Deferred federal income tax expense (benefit)	3,526	(119 )
Deferred state income tax expense (benefit)	796	(13 )
Provision for (Benefit from) Corporate Business Taxes	\$ 4,525	\$ (542 )

The following is a reconciliation of the statutory federal rate to the effective rate, for the periods indicated below (dollars in thousands):

	Nine Months Ended September 30,			
	2018		2017	
Computed income tax (benefit) expense at federal rate	\$17,035	21.0 %	\$9,534	35.0 %
State taxes (benefit), net of federal tax, if applicable	832	1.0 %	(54 )	(0.2 )%
Provision to return adjustment	4	- %	-	- %
REIT income not subject to tax (benefit)	(13,346)	(16.4)%	(10,022)	(36.8)%
Provision for (Benefit from) Corporate Business Taxes/Effective Tax Rate <sup>(A)</sup>	\$4,525	5.6 %	\$(542 )	(2.0 )%

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(A) The provision for income taxes is recorded at the TRS level.



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The Company's consolidated balance sheets, at September 30, 2018 and December 31, 2017, contain the following current and deferred tax liabilities and assets, which are recorded at the TRS level (dollars in thousands):

	Nine Months Ended September 30,	
	2018	2017
Income taxes payable		
Federal income taxes payable	\$ 156	\$ 92
State and local income taxes payable	47	17
Income taxes payable	\$ 203	\$ 109
	September 30, 2018	December 31, 2017
Deferred tax (assets) liabilities		
Deferred tax - organizational expenses	\$ (5	) \$ (10
Deferred tax - mortgage servicing rights	5,170	909
Deferred tax - net operating loss	-	(56
Total net deferred tax (assets) liabilities	\$ 5,165	\$ 843

The deferred tax liability as of September 30, 2018 was primarily related to MSR. The deferred tax liability as of December 31, 2017 was primarily related to MSR. No valuation allowance has been established at September 30, 2018 and December 31, 2017. As of September 30, 2018 and December 31, 2017, the deferred tax liability is included in "Accrued expenses and other liabilities" in the consolidated balance sheets.

On December 22, 2017, the Tax Cuts and Jobs Act (the "TCJA") was signed into law. The TCJA includes a number of significant changes to existing U.S. corporate income tax laws, most notably a reduction of the U.S. corporate income tax rate from 35 percent to 21 percent, effective January 1, 2018. The Company measures deferred tax assets and liabilities using enacted tax rates that will apply in the years in which the temporary differences are expected to be recovered or paid. Accordingly, the Company's deferred tax assets and liabilities were remeasured to reflect the reduction in the U.S. corporate income tax rate, resulting in a \$459,000 decrease in income tax expense for the year ended December 31, 2017 and a corresponding decrease of the same amount in the Company's deferred tax liabilities as of December 31, 2017. The Company is still analyzing certain aspects of the TCJA, which could potentially give rise to new deferred tax amounts in the future.

Based on the Company's evaluation, the Company has concluded that there are no significant uncertain tax positions requiring recognition in the Company's consolidated financial statements. Additionally, there were no amounts accrued for penalties or interest as of or during the periods presented in these consolidated financial statements.

The Company's 2017, 2016, 2015, 2014, 2013 and 2012 federal, state and local income tax returns remain open for examination by the relevant authorities.

## Note 16 – Subsequent Events

Events subsequent to September 30, 2018 were evaluated and no additional events were identified requiring further disclosure in the interim consolidated financial statements.

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Item 2. Management's Discussion and Analysis of Financial Condition and Results of Operations.

The following discussion and analysis should be read in conjunction with our interim consolidated financial statements and the accompanying notes included in "Part I, Item 1. Consolidated Financial Statements" of this Quarterly Report on Form 10-Q.

General

Cherry Hill Mortgage Investment Corporation is a public residential real estate finance company focused on acquiring, investing in and managing residential mortgage assets in the United States. We were incorporated in Maryland on October 31, 2012, and we commenced operations on or about October 9, 2013 following the completion of our initial public offering and a concurrent private placement. Our common stock and our Series A Preferred Stock are listed and traded on the New York Stock Exchange under the symbols "CHMI" and "CHMI-PA", respectively. We are externally managed by our Manager, Cherry Hill Mortgage Management, LLC, an SEC-registered investment adviser.

Our principal objective is to generate attractive current yields and risk-adjusted total returns for our stockholders over the long term, primarily through dividend distributions and secondarily through capital appreciation. We attempt to attain this objective by selectively constructing and actively managing a portfolio of Servicing Related Assets and RMBS and, subject to market conditions, other cash flowing residential mortgage assets.

We are subject to the risks involved with real estate and real estate-related debt instruments. These include, among others, the risks normally associated with changes in the general economic climate, changes in the mortgage market, changes in tax laws, interest rate levels, and the availability of financing.

We elected to be taxed as a REIT for U.S. federal income tax purposes commencing with our short taxable year ended December 31, 2013. We operate so as to continue to qualify to be taxed as a REIT. Our asset acquisition strategy focuses on acquiring a diversified portfolio of residential mortgage assets that balances the risk and reward opportunities our Manager observes in the marketplace. Prior to our acquisition of Aurora in May 2015, our Servicing Related Assets consisted of Excess MSR in three pools: Excess MSR Pool 1, Excess MSR Pool 2 and Excess MSR Pool 2014. The Excess MSR in these three pools had been previously acquired by the Company from Freedom Mortgage. Aurora has the licenses necessary to service mortgage loans on a nationwide basis and is approved to service loans for Fannie Mae, Freddie Mac and Ginnie Mae. All of the Excess MSR were sold back to Freedom Mortgage in November 2016 and February 2017.

In addition to Servicing Related Assets, we invest in RMBS, primarily those backed by 30-, 20- and 15-year fixed rate mortgages that offer what we believe to be favorable prepayment and duration characteristics. Our RMBS consist primarily of Agency RMBS on which the payments of principal and interest are guaranteed. We have also invested in Agency CMOs consisting of interest only securities ("IOs") and risk-sharing securities issued by Fannie Mae and Freddie Mac, as well as non-Agency CMOs which are private label securities that are issued by a non-government related entity. We finance our RMBS with leverage, the amount of which will vary from time to time depending on the particular characteristics of our portfolio, the availability of financing and market conditions. We do not have a targeted leverage ratio for our RMBS. Our borrowings for RMBS consist of short-term borrowings under master repurchase agreements.

Subject to maintaining our qualification as a REIT, we utilize derivative financial instruments (or hedging instruments) to hedge our exposure to potential interest rate mismatches between the interest we earn on our assets and our borrowing costs caused by fluctuations in short-term interest rates. In utilizing leverage and interest rate hedges, our objectives include, where desirable, locking in, on a long-term basis, a spread between the yield on our assets and the cost of our financing in an effort to improve returns to our stockholders.

We also operate our business in a manner that permits us to maintain our exclusion from registration as an investment company under the Investment Company Act.

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On March 29, 2017, we issued and sold 5,175,000 shares of common stock, par value \$0.01 per share, raising approximately \$81.1 million after underwriting discounts and commissions but before expenses of approximately \$229,000. All of the net proceeds were used to invest in RMBS.

On August 17, 2017, we issued and sold 2,400,000 shares of our Series A Preferred Stock, raising approximately \$58.1 million after underwriting discounts and commissions but before expenses of approximately \$193,000. All of the net proceeds from the Series A Preferred Stock offering were also invested in RMBS. See “Item 1. Consolidated Financial Statements--Note 6. Equity and Earnings per Common Share—Preferred Stock.”

In April 2018, the Company initiated an at-the-market offering program (the “Preferred Series A ATM Program”) pursuant to which it may offer through one or more sales agents and sell from time to time up to \$35 million of its Series A Preferred Stock at prices prevailing at the time, subject to volume and other regulatory limitations. During the three month period ended September 30, 2018, the Company issued and sold 103,570 shares of its Series A Preferred Stock pursuant to the Series A ATM Program for net proceeds of approximately \$2.6 million. Since the program’s inception and through September 30, 2018, the Company has issued and sold 271,782 shares of its Series A Preferred Stock pursuant to the Preferred Series A ATM Program for net proceeds of approximately \$6.8 million. The net proceeds were used for general corporate purposes, including investment in RMBS.

On June 4, 2018, the Company issued and sold 2,750,000 shares of its common stock. The underwriters subsequently exercised their option to purchase an additional 338,857 shares for total proceeds of approximately \$53.8 million after underwriting discounts and commissions but before expenses of approximately \$265,000. All of the net proceeds were invested in RMBS.

In August 2018, the Company initiated an at-the-market offering program (the “Common Stock ATM Program”) pursuant to which it may offer through one or more sales agents and sell from time to time up to \$50 million of its common stock at prices prevailing at the time, subject to volume and other regulatory limitations. In the period from the program’s inception through September 30, 2018, the Company has issued and sold 371,041 shares of its common stock pursuant to the Common Stock ATM Program for net proceeds of approximately \$6.8 million. The net proceeds were used for general corporate purposes, including investment in RMBS.

The Company anticipates that a significant portion of the net proceeds received from paydowns of the RMBS acquired as a result of these equity offerings will be deployed into the acquisition of MSRs. The Company may also sell certain of these RMBS and deploy the net proceeds from such sales to the extent necessary to fund the purchase price of MSRs.

### Factors Impacting our Operating Results

Our income is generated primarily by the net spread between the income we earn on our assets and the cost of our financing and hedging activities as well as the amortization of any purchase premiums or the accretion of discounts. Our net income includes the actual interest payments we receive on our RMBS, the net servicing fees we receive on our MSRs and the accretion/amortization of any purchase discounts/premiums. Changes in various factors such as market interest rates, prepayment speeds, estimated future cash flows, servicing costs and credit quality could affect the amount of premium to be amortized or discount to be accreted into interest income for a given period. Prepayment speeds vary according to the type of investment, conditions in the financial markets, competition and other factors, none of which can be predicted with any certainty. Our operating results may also be affected by credit losses in excess of initial anticipations or unanticipated credit events experienced by borrowers whose mortgage loans underlay the MSRs held by Aurora.

Set forth below is the positive gross spread between the yield on RMBS and our costs of funding those assets at the end of each of the quarters indicated below:



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## Average Net Yield Spread at Period End

Quarter Ended	Average Asset Yield	Average Cost of Funds	Average Net Interest Rate Spread		
September 30, 2018	3.77	% 2.05	% 1.72	%	
June 30, 2018	3.74	% 1.83	% 1.91	%	
March 31, 2018	3.67	% 1.81	% 1.86	%	
December 31, 2017	3.66	% 1.85	% 1.81	%	
September 30, 2017	3.66	% 1.85	% 1.81	%	
June 30, 2017	3.68	% 1.78	% 1.90	%	
March 31, 2017	3.62	% 1.67	% 1.95	%	
December 31, 2016	3.53	% 1.49	% 2.03	%	
September 30, 2016	3.53	% 1.44	% 2.10	%	
June 30, 2016	3.51	% 1.62	% 1.88	%	
March 31, 2016	3.52	% 1.70	% 1.82	%	
December 31, 2015	3.52	% 1.89	% 1.63	%	
September 30, 2015	3.51	% 1.93	% 1.58	%	

The Average Cost of Funds also includes the benefits of related swaps.

## Changes in the Market Value of Our Assets

We hold our Servicing Related Assets as long-term investments. Our Excess MSR were, and our MSR are, carried at their fair value with changes in their fair value recorded in other income or loss in our consolidated statements of income. Those values may be affected by events or headlines that are outside of our control, such as Brexit, other events impacting the U.S. or global economy generally or the U.S. residential market specifically, and events or headlines impacting the parties with which we do business. See “Part I, Item 1A. Risk Factors – Risks Related to Our Business” in our Annual Report on Form 10-K for the fiscal year ended December 31, 2017.

Our RMBS are carried at their fair value, as available-for-sale in accordance with ASC 320, Investments – Debt and Equity Securities, with changes in fair value recorded through accumulated other comprehensive income (loss), a component of stockholders’ equity. As a result, we do not expect that changes in the market value of our RMBS will normally impact our operating results, but such changes will affect our book value. However, at least on a quarterly basis, we assess both our ability and intent to continue to hold our RMBS as long-term investments. As part of this process, we monitor our RMBS for other-than-temporary impairment. A change in our ability and/or intent to continue to hold any of our RMBS could result in our recognizing an impairment charge or realizing losses while holding these assets.

## Impact of Changes in Market Interest Rates on Our Assets

The value of our assets may be affected by prepayment rates on mortgage loans. Prepayment speed is the measurement of how quickly borrowers pay down the UPB of their loans or how quickly loans are otherwise liquidated or charged off. Generally, in a declining interest rate environment, prepayment speeds tend to increase. Conversely, in an increasing interest rate environment, prepayment speeds tend to decrease. When we acquire Servicing Related Assets or RMBS, we anticipate that the underlying mortgage loans will prepay at a projected rate generating an expected cash flow (in the case of Servicing Related Assets) and yield. If we purchase assets at a premium to par value and borrowers prepay their mortgage loans faster than expected, the corresponding prepayments on our assets may reduce the expected yield on such assets because we will have to amortize the related premium on an accelerated basis. Similarly, if we purchase assets at a discount to par value, and borrowers prepay their mortgage

loans slower than expected, the decrease in corresponding prepayments may reduce the expected yield on assets because we will not be able to accrete the related discount as quickly as originally anticipated.

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If prepayment speeds are significantly greater than expected, the fair value of the Servicing Related Assets could exceed their fair value as previously reported on our consolidated balance sheets. Such a reduction in the fair value of the Servicing Related Assets would have a negative impact on our book value. Furthermore, a significant increase in prepayment speeds could materially reduce the ultimate cash flows we receive from the Servicing Related Assets, and we could ultimately receive substantially less than what we paid for such assets. We do not utilize derivatives to hedge against changes in the fair value of the Servicing Related Assets. Our balance sheet, results of operations and cash flows are susceptible to significant volatility due to changes in the fair value of, or cash flows from, the Servicing Related Assets as interest rates change.

A slower than anticipated rate of prepayment due to an increase in market interest rates also will cause the life of the related RMBS to extend beyond that which was projected. As a result, we would have an asset with a lower yield than current investments for a longer period of time. In addition, if we have hedged our interest rate risk, extension may cause the security to be outstanding longer than the related hedge, thereby reducing the protection intended to be provided by the hedge.

Voluntary and involuntary prepayment rates may be affected by a number of factors including, but not limited to, the availability of mortgage credit, the relative economic vitality of the area in which the related properties are located, the servicing of the mortgage loans, possible changes in tax laws, other opportunities for investment, homeowner mobility and other economic, social, geographic, demographic and legal factors, none of which can be predicted with any certainty.

We attempt to reduce the exposure of our MSR to voluntary prepayments through the structuring of recapture agreements with certain of Aurora's subservicers, including Freedom Mortgage. In June 2016, Aurora entered into a joint marketing recapture agreement with Freedom Mortgage. Pursuant to this agreement, Freedom Mortgage attempts to refinance certain mortgage loans underlying Aurora's portfolio of Fannie Mae, Freddie Mac and Ginnie Mae MSR as directed by Aurora. If a loan is refinanced, Aurora will pay Freedom Mortgage a fee for its origination services. Freedom Mortgage will be entitled to sell the loan for its own benefit and will transfer the related MSR to Aurora. The agreement had an initial term of one year, subject to automatic renewals of one year each and subject to termination by either party upon 60 days prior notice. All new loans must qualify for sale to Fannie Mae or Freddie Mac or be eligible for pooling with Ginnie Mae, as applicable, and meet other conditions set forth in the agreement. In the three month period ended September 30, 2018, Aurora received MSR with an aggregate UPB of approximately \$2.3 million and paid fees of approximately \$3,000 to Freedom Mortgage under this joint marketing recapture agreement. In the nine month period ended September 30, 2018, Aurora received MSR with an aggregate UPB of approximately \$16.5 million and paid fees of approximately \$24,000 to Freedom Mortgage under this joint marketing recapture agreement. In the year ended December 31, 2017, Aurora received MSR with an aggregate UPB of approximately \$27.6 million and paid fees of approximately \$43,000 to Freedom Mortgage under this joint marketing recapture agreement.

With respect to our business operations, increases in interest rates, in general, may over time cause:

- the interest expense associated with our borrowings to increase;
- the value of our assets to fluctuate;
- the coupons on any adjustable-rate and hybrid RMBS we may own to reset, although on a delayed basis, to higher interest rates;
- prepayments on our RMBS to slow, thereby slowing the amortization of our purchase premiums and the accretion of our purchase discounts; and
- an increase in the value of any interest rate swap agreements we may enter into as part of our hedging strategy.

Conversely, decreases in interest rates, in general, may over time cause:



prepayments on our RMBS to increase, thereby accelerating the amortization of our purchase premiums and the accretion of our purchase discounts;

- the interest expense associated with our borrowings to decrease;
- the value of our assets to fluctuate;

to the extent we enter into interest rate swap agreements as part of our hedging strategy, the value of these agreements to decrease; and

- coupons on any adjustable-rate and hybrid RMBS assets we may own to reset, although on a delayed basis, to lower interest rates.

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### Effects of Spreads on our Assets

The spread between the yield on our assets and our funding costs affects the performance of our business. Wider spreads imply greater income on new asset purchases but may have a negative impact on our stated book value. Wider spreads may also negatively impact asset prices. In an environment where spreads are widening, counterparties may require additional collateral to secure borrowings which may require us to reduce leverage by selling assets. Conversely, tighter spreads imply lower income on new asset purchases but may have a positive impact on stated book value of our existing assets. In this case, we may be able to reduce the amount of collateral required to secure borrowings.

### Credit Risk

We are subject to varying degrees of credit risk in connection with our assets. Although we expect relatively low credit risk with respect to our portfolios of Agency RMBS, we are subject to the credit risk of borrowers under the loans backing CMOs we own and to the credit enhancements built into the CMO structure. We also are subject to the credit risk of the borrowers under the loans that Aurora services. Through loan level due diligence, we attempt to mitigate this risk by seeking to acquire high quality assets at appropriate prices given anticipated and unanticipated losses. We also conduct ongoing monitoring of acquired MSRs. Nevertheless, unanticipated credit losses could occur which could adversely impact our operating results.

### Critical Accounting Policies and Use of Estimates

Our financial statements are prepared in accordance with GAAP, which requires the use of estimates that involve the exercise of judgment and the use of assumptions as to future uncertainties. In accordance with SEC guidance, the following discussion addresses the accounting policies that we apply with respect to our operations. Our most critical accounting policies involve decisions and assessments that could affect our reported amounts of assets and liabilities, the disclosure of contingent assets and liabilities, as well as our reported amounts of revenues and expenses. We believe that the decisions and assessments upon which our financial statements are based were reasonable at the time made based upon information available to us at that time. Our critical accounting policies and accounting estimates may be expanded over time as we diversify our portfolio. The material accounting policies and estimates that we expect to be most critical to an investor's understanding of our financial results and condition and require complex management judgment are discussed below.

### Classification of Investment Securities and Impairment of Financial Instruments

ASC 320, Investments – Debt and Equity Securities, requires that at the time of purchase, we designate a security as either trading, available-for-sale, or held-to-maturity depending on our ability and intent to hold such security to maturity. Securities available-for-sale will be reported at fair value, while securities held-to-maturity will be reported at amortized cost. Although we may hold most of our securities until maturity, we may, from time to time, sell any of our securities as part of our overall management of our asset portfolio. Accordingly, we elect to classify all of our RMBS as available-for-sale. All assets classified as available-for-sale will be reported at fair value, with unrealized gains and losses excluded from earnings and reported as a separate component of stockholders' equity. See “–Fair Valued Assets and Liabilities.”

When the estimated fair value of a security is less than amortized cost, we consider whether there is an other-than-temporary impairment (“OTTI”) in the value of the security. An impairment is deemed an OTTI if (i) we intend to sell the security, (ii) it is more likely than not that we will be required to sell the security before recovering our cost basis, or (iii) we do not expect to recover the entire amortized cost basis of the security even if we do not intend to sell the security or believe it is more likely than not that we will be required to sell the security before recovering our cost basis. If the impairment is deemed to be an OTTI, the resulting accounting treatment depends on

the factors causing the OTTI. If the OTTI has resulted from (i) our intention to sell the security, or (ii) our judgment that it is more likely than not that we will be required to sell the security before recovering our cost basis, an impairment loss is recognized in current earnings equal to the difference between our amortized cost basis and fair value. If the OTTI has resulted from our conclusion that we will not recover our cost basis even if we do not intend to sell the security, the credit loss portion of the impairment is recorded in current earnings and the portion of the loss related to other factors, such as changes in interest rates, continues to be recognized in accumulated other comprehensive income (loss). Determining whether there is an OTTI may require management to exercise significant judgment and make significant assumptions, including, but not limited to, estimated cash flows, estimated prepayments, loss assumptions, and assumptions regarding changes in interest rates. As a result, actual impairment losses could differ from reported amounts. Such judgments and assumptions are based upon a number of factors, including (i) the credit of the issuer or the borrower, (ii) the credit rating of the security, (iii) the key terms of the security, (iv) the performance of the loan or underlying loans, including debt service coverage and loan-to-value ratios, (v) the value of the collateral for the loan or underlying loans, (vi) the effect of local, industry, and broader economic factors, and (vii) the historical and anticipated trends in defaults and loss severities for similar securities.

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Fair Valued Assets and Liabilities

ASC 820, Fair Value Measurements and Disclosures, defines fair value as the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date. ASC 820 clarifies that fair value should be based on the assumptions market participants would use when pricing an asset or liability and establishes a fair value hierarchy that prioritizes the information used to develop those assumptions. The fair value hierarchy gives the highest priority to quoted prices available in active markets (i.e., observable inputs) and the lowest priority to data lacking transparency (i.e., unobservable inputs). Additionally, ASC 820 requires an entity to consider all aspects of nonperformance risk, including the entity's own credit standing, when measuring the fair value of a liability.

ASC 820 establishes a three level hierarchy to be used when measuring and disclosing fair value. An instrument's categorization within the fair value hierarchy is based on the lowest level of significant input to its valuation. Following is a description of the three levels:

Level 1 inputs are quoted prices in active markets for identical assets or liabilities as of the measurement date under current market conditions. Additionally, the entity must have the ability to access the active market and the quoted prices cannot be adjusted by the entity.

Level 2 inputs include quoted prices in active markets for similar assets or liabilities; quoted prices in inactive markets for identical or similar assets or liabilities; or inputs that are observable or can be corroborated by observable market data by correlation or other means for substantially the full-term of the assets or liabilities.

Level 3 unobservable inputs are supported by little or no market activity. The unobservable inputs represent the assumptions that management believes market participants would use to price the assets and liabilities, including risk. Generally, Level 3 assets and liabilities are valued using pricing models, discounted cash flow methodologies, or similar techniques that require significant judgment or estimation.

The level in the fair value hierarchy within which the entirety of a fair value measurement falls is based on the lowest level input that is significant to the fair value measurement in its entirety. We have used Level 2 for our RMBS, our derivative assets and liabilities and our repurchase agreement liabilities and Level 3 for our Servicing Related Assets.

When available, we use quoted market prices to determine the fair value of an asset or liability. If quoted market prices are not available, we will consult independent pricing services or third party broker quotes, provided that there is no ongoing material event that affects the issuer of the securities being valued or the market. If there is such an ongoing event, or if quoted market prices are not available, we will determine the fair value of the securities using valuation techniques that use, when possible, current market-based or independently-sourced market parameters, such as interest rates.

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### Investments in MSR

The Company has elected the fair value option to record its investments in MSR in order to provide users of our consolidated financial statements with better information regarding the effects of prepayment risk and other market factors on the MSR. Under this election, the Company records a valuation adjustment on its investments in MSR on a quarterly basis to recognize the changes in fair value of its MSR in net income as described below. The Company's MSR represent the right to service mortgage loans. As an owner and manager of MSR, the Company may be obligated to fund advances of principal and interest payments due to third-party owners of the loans, but not yet received from the individual borrowers. These advances are reported as servicing advances within the "Receivables and other assets" line item on the consolidated balance sheets. Although transactions in MSR are observable in the marketplace, the valuation includes unobservable market data inputs (prepayment speeds, delinquency levels, costs to service and discount rates). Changes in the fair value of MSR as well as servicing fee income and servicing expenses are reported on the consolidated statements of income. In determining the valuation of MSR, management uses internally developed models that are primarily based on observable market-based inputs but which also include unobservable market data inputs. For additional information on our fair value methodology, see "Part I, Item 1. Notes to Consolidated Financial Statements—Note 9. Fair Value."

### Revenue Recognition on Investments in MSR

Mortgage servicing fee income represents revenue earned for servicing mortgage loans. The servicing fees are based on a contractual percentage of the outstanding principal balance and are recognized as revenue as the related mortgage payments are collected. Corresponding costs to service are charged to expense as incurred. Approximately \$5.6 million and \$5.9 million in reimbursable servicing advances were receivable at September 30, 2018 and December 31, 2017, respectively, and have been classified within "Receivables and other assets" on the consolidated balance sheets.

Servicing fee income received and servicing expenses incurred are reported on the consolidated statements of income. The difference between the fair value of MSR and their amortized cost basis is recorded on the consolidated statements of income as "Unrealized gain (loss) on investments in MSR." Fair value is generally determined by discounting the expected future cash flows using discount rates that incorporate the market risks and liquidity premium specific to the MSR and, therefore, may differ from their effective yields.

### Revenue Recognition on Securities

Interest income from coupon payments is accrued based on the outstanding principal amount of the RMBS and their contractual terms. Premiums and discounts associated with the purchase of the RMBS are accreted into interest income over the projected lives of the securities using the effective interest method. Our policy for estimating prepayment speeds for calculating the effective yield is to evaluate historical performance, consensus on prepayment speeds, and current market conditions. Adjustments are made for actual prepayment activity.

### Repurchase Transactions

We finance the acquisition of our RMBS for our portfolio through repurchase transactions under master repurchase agreements. Repurchase transactions are treated as collateralized financing transactions and are carried at their contractual amounts as specified in the respective transactions. Accrued interest payable is included in "Accrued expenses and other liabilities" on the consolidated balance sheets. Securities financed through repurchase transactions remain on our consolidated balance sheet as an asset and cash received from the purchaser is recorded on our consolidated balance sheet as a liability. Interest paid in accordance with repurchase transactions is recorded in interest expense on the consolidated statements of income.

### Income Taxes

The Company elected to be taxed as a REIT under the Code commencing with its short taxable year ended December 31, 2013. The Company expects to continue to qualify to be treated as a REIT. As long as the Company qualifies as a REIT, the Company generally will not be subject to U.S. federal income taxes on its taxable income to the extent it annually distributes at least 90% of its REIT taxable income to its stockholders and does not engage in prohibited transactions. The Company's subsidiary TRS, CHMI Solutions and its wholly-owned subsidiary, Aurora, are subject to U.S. federal income taxes on their taxable income.

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The Company accounts for income taxes in accordance with ASC 740, Income Taxes. ASC 740 requires the recording of deferred income taxes that reflect the net tax effect of temporary differences between the carrying amounts of the Company's assets and liabilities for financial reporting purposes and the amounts used for income tax purposes, including operating loss carry forwards. Deferred tax assets and liabilities are measured using enacted tax rates expected to apply to taxable income in the years in which those temporary differences are expected to be recovered or settled. The effect of a change in tax rates on deferred tax assets and liabilities is recognized in earnings in the period that includes the enactment date. The Company assesses its tax positions for all open tax years and determines if it has any material unrecognized liabilities in accordance with ASC 740. The Company records these liabilities to the extent it deems them more-likely-than-not to be incurred. The Company records interest and penalties related to income taxes within the provision for income taxes in the consolidated statements of income. The Company has not incurred any interest or penalties.

## Emerging Growth Company Status

On April 5, 2012, the JOBS Act was signed into law. The JOBS Act contains provisions that, among other things, reduce certain reporting requirements for qualifying public companies. Because we qualify as an "emerging growth company," we may, under Section 7(a)(2)(B) of the Securities Act, delay adoption of new or revised accounting standards applicable to public companies until such standards would otherwise apply to private companies. We have elected to take advantage of this extended transition period until the first to occur of the date that we (i) are no longer an "emerging growth company" (which we expect to occur on December 31, 2018) or (ii) affirmatively and irrevocably opt out of this extended transition period. As a result, our financial statements may not be comparable to those of other public companies that comply with such new or revised accounting standards. Until the date that we are no longer an "emerging growth company" (anticipated to be December 31, 2018) or affirmatively and irrevocably opt out of the extended transition period, upon issuance of a new or revised accounting standard that applies to our financial statements and that has a different effective date for public and private companies, we will disclose the date on which adoption is required for non-emerging growth public companies and the date on which we will adopt the new or revised accounting standard.

## Results of Operations

Presented below is a comparison of the Company's results of operations for the periods indicated (dollars in thousands):

## Results of Operations

	Three Months Ended September 30,		Nine Months Ended September 30,	
	2018	2017	2018	2017
Income				
Interest income	\$ 15,323	\$ 11,932	\$ 40,757	\$ 28,012
Interest expense	9,257	6,096	24,124	12,819
Net interest income	6,066	5,836	16,633	15,193
Servicing fee income	14,017	6,307	34,202	16,374
Servicing costs	2,981	1,626	7,087	3,844
Net servicing income	11,036	4,681	27,115	12,530
Other income (loss)				
Realized loss on RMBS, net	(428 )	(169 )	(5,430 )	(502 )
Realized gain on investments in Excess MSR's, net	-	-	-	6,678
Realized loss on derivatives, net	(707 )	(1,480 )	(2,727 )	(4,294 )
Unrealized gain (loss) on derivatives, net	8,807	1,684	34,442	(1,867 )

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Unrealized gain (loss) on investments in MSRs	6,218	(2,334	)	18,351	5,471	
Total Income	30,992	8,218		88,384	33,209	
Expenses						
General and administrative expense	1,165	948		2,979	2,968	
Management fee to affiliate	1,599	948		4,297	3,002	
Total Expenses	2,764	1,896		7,276	5,970	
Income Before Income Taxes	28,228	6,322		81,108	27,239	
Provision for (Benefit from) corporate business taxes	729	(537	)	4,525	(542	
Net Income	27,499	6,859		76,583	27,781	
Net income allocated to noncontrolling interests in						
Operating Partnership	(364	)	(93	)	(993	)
Dividends on preferred stock	1,372	593		3,902	593	
Net Income Applicable to Common Stockholders	\$ 25,763	\$ 6,173		\$ 71,688	\$ 26,802	

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Presented below is summary financial data on our segments together with a reconciliation to the same data for the Company as a whole, for the periods indicated (dollars in thousands):

## Segment Summary Data

for

## Three Months Ended September 30, 2018

## Servicing

## Related

	Assets	RMBS	All Other	Total
Interest income	\$-	\$ 15,323	\$ -	\$ 15,323
Interest expense	629	8,626	2	9,257
Net interest income	(629 )	6,697	(2 )	6,066
Servicing fee income	14,017	-	-	14,017
Servicing costs	2,981	-	-	2,981
Net servicing income	11,036	-	-	11,036
Other income	6,218	7,672	-	13,890
Other operating expenses	-	-	2,764	2,764
Corporate business taxes	729	-	-	729
Net income (loss)	\$ 15,896	\$ 14,369	\$ (2,766 )	\$ 27,499

## Three Months Ended September 30, 2017

## Servicing

## Related

	Assets	RMBS	All Other	Total
Interest income	\$-	\$ 11,932	\$ -	\$ 11,932
Interest expense	185	5,911	-	6,096
Net interest income	(185 )	6,021	-	5,836
Servicing fee income	6,307	-	-	6,307
Servicing costs	1,626	-	-	1,626
Net servicing income	4,681	-	-	4,681
Other income	(2,334 )	35	-	(2,299 )
Other operating expenses	-	-	1,896	1,896
Corporate business taxes	(537 )	-	-	(537 )
Net income (loss)	\$ 2,699	\$ 6,056	\$ (1,896 )	\$ 6,859

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	Nine Months Ended September 30, 2018			
	Servicing Related			
	Assets	RMBS	All Other	Total
Interest income	\$-	\$40,757	\$-	\$40,757
Interest expense	1,266	22,856	2	24,124
Net interest income	(1,266 )	17,901	(2 )	16,633
Servicing fee income	34,202	-	-	34,202
Servicing costs	7,087	-	-	7,087
Net servicing income	27,115	-	-	27,115
Other income	18,351	26,285	-	44,636
Other operating expenses	-	-	7,276	7,276
Corporate business taxes	4,525	-	-	4,525
Net income (loss)	\$39,675	\$44,186	\$(7,278 )	\$76,583

	Nine Months Ended September 30, 2017			
	Servicing Related			
	Assets	RMBS	All Other	Total
Interest income	\$523	\$27,489	\$-	\$28,012
Interest expense	422	12,397	-	12,819
Net interest income	101	15,092	-	15,193
Servicing fee income	16,374	-	-	16,374
Servicing costs	3,844	-	-	3,844
Net servicing income	12,530	-	-	12,530
Other income	12,149	(6,663 )	-	5,486
Other operating expenses	-	-	5,970	5,970
Corporate business taxes	(542 )	-	-	(542 )
Net income (loss)	\$25,322	\$8,429	\$(5,970 )	\$27,781

## Interest Income

Interest income for the three month period ended September 30, 2018 was \$15.3 million as compared to \$11.9 million for the three month period ended September 30, 2017. This \$3.4 million increase in interest income was comprised of an increase of approximately \$3.4 million in RMBS resulting from the investment of the net proceeds of the equity offerings that the Company completed during the three month period ended September 30, 2018.

Interest income for the nine month period ended September 30, 2018 was \$40.7 million as compared to \$28.0 million for the nine month period ended September 30, 2017. This \$12.7 million increase in interest income was comprised of a decrease of approximately \$500,000 in Servicing Related Assets due to the sale of our remaining Excess MSR's in February 2017 and an increase of approximately \$13.2 million in RMBS resulting from the investment of the net proceeds of the equity offerings that the Company completed during nine month period ended September 30, 2018 and the year ended December 31, 2017.

## Interest Expense

Interest expense for the three month period ended September 30, 2018 was \$9.3 million as compared to \$6.1 million for the three month period ended September 30, 2017. The \$3.2 million increase for the three month period ended September 30, 2018 as compared to the three month period ended September 30, 2017 was comprised of an increase of approximately \$400,000 from Servicing Related Assets and an increase of approximately \$2.8 million from RMBS.

The changes were primarily due to additional repurchase agreement borrowings and an overall increase in repurchase rates offset by lower swap costs.

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Interest expense for the nine month period ended September 30, 2018 was \$24.1 million as compared to \$12.8 million for the nine month period ended September 30, 2017. The \$11.3 million increase for the nine month period ended September 30, 2018 as compared to the nine month period ended September 30, 2017 was comprised of an increase of approximately \$800,000 from Servicing Related Assets and an increase of approximately \$10.5 million from RMBS. The changes were primarily due to additional repurchase agreement borrowings and an overall increase in repurchase rates offset by lower swap costs.

#### Change in Fair Value of Investments in Servicing Related Assets

The fair value of our investments in Servicing Related Assets for the three month period ended September 30, 2018 increased by approximately \$6.2 million as compared to a decrease of approximately \$2.3 million for the three month period ended September 30, 2017. The relative increase was primarily due to the sale of Excess MSRs in the three month period ended September 30, 2017 and changes in valuation inputs or assumptions.

The fair value of our investments in Servicing Related Assets for the nine month period ended September 30, 2018 increased by approximately \$18.4 million as compared to an increase of approximately \$5.5 million for the nine month period ended September 30, 2017. The relative increase was primarily due to the sale of Excess MSRs in the nine month period ended September 30, 2017 and changes in valuation inputs or assumptions.

#### Change in Fair Value of Derivatives

The fair value of derivatives for the three month period ended September 30, 2018 increased by approximately \$8.8 million as compared to an increase of approximately \$1.7 million for the three month period ended September 30, 2017. The relative increase was primarily due to changes in interest rates and the composition of our derivatives.

The fair value of derivatives for the nine month period ended September 30, 2018 increased by approximately \$34.4 million as compared to a decrease of approximately \$1.9 million for the nine month period ended September 30, 2017. The relative increase was primarily due to changes in interest rates and the composition of our derivatives.

#### General and Administrative Expense

General and administrative expense for the three month period ended September 30, 2018 increased by approximately \$200,000 as compared to the three month period ended September 30, 2017. The increase was primarily due to higher professional fees.

General and administrative expense for the nine month period ended September 30, 2018 increased by approximately \$11,000 as compared to the nine month period ended September 30, 2017. The increase was primarily due to higher professional fees.

#### Management Fees to Affiliate

Management fees for the three and nine month periods ended September 30, 2018 increased by approximately \$651,000 and \$1.3 million, respectively from the comparable periods in 2017, primarily due to the sale of the Company's common and preferred stock and the resulting increase in stockholders' equity, which is the basis for the calculation of the management fee that the Company pays to the Manager.

#### Net Income Allocated to Noncontrolling Interests in Operating Partnership

Net income allocated to noncontrolling interests in the Operating Partnership, which are LTIP-OP Units owned by directors and officers of the Company and by certain individuals who provide services to us through the Manager,

represented approximately 1.3% and 1.3% of net income at September 30, 2018 and September 30, 2017, respectively. The decrease was due to the issuance of common shares in June 2018.

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## Accumulated Other Comprehensive Income (Loss)

For the period indicated below, our accumulated other comprehensive income (loss) changed as a result of the indicated gains and losses (dollars in thousands):

	Three Months Ended September 30, 2018
Accumulated other comprehensive gain (loss), June 30, 2018	\$ (41,966 )
Other comprehensive income (loss)	(13,228 )
Accumulated other comprehensive gain (loss), September 30, 2018	\$ (55,194 )

	Three Months Ended September 30, 2017
Accumulated other comprehensive gain (loss), June 30, 2017	\$ 1,166
Other comprehensive income (loss)	3,574
Accumulated other comprehensive gain (loss), September 30, 2017	\$ 4,740

	Nine Months Ended September 30, 2018
Accumulated other comprehensive gain (loss), December 31, 2017	\$ (2,942 )
Other comprehensive income (loss)	(52,252 )
Accumulated other comprehensive gain (loss), September 30, 2018	\$ (55,194 )

	Nine Months Ended September 30, 2017
Accumulated other comprehensive gain (loss), December 31, 2016	\$ (6,393 )
Other comprehensive income (loss)	11,133
Accumulated other comprehensive gain (loss), September 30, 2017	\$ 4,740

Our GAAP equity changes as the values of our RMBS are marked to market each quarter, among other factors. The primary causes of mark to market changes are changes in interest rates and credit spreads. During the three month period ended September 30, 2018, an 20 basis point increase in the 10 Year U.S. Treasury rate caused a net unrealized loss on our RMBS of approximately \$13.2 million, recorded in accumulated other comprehensive income (loss). During the nine month period ended September 30, 2018, a 65 basis point increase in the 10 Year U.S. Treasury rate caused a net unrealized loss on our RMBS of approximately \$52.3 million, recorded in accumulated other comprehensive income (loss).

## Non-GAAP Financial Measures

This Management's Discussion and Analysis of Financial Condition and Results of Operations section contains analysis and discussion of non-GAAP measurements. The non-GAAP measurements include the following:

· core earnings; and

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·core earnings per average common share.

Core earnings is a non-GAAP financial measure and is defined by the Company as GAAP net income (loss) applicable to common stockholders, excluding realized gain (loss) on RMBS, realized and unrealized (gain) loss on investments in Excess MSR and MSR, realized and unrealized gain (loss) on derivatives, realized (gain) loss on acquired assets, and changes in fair value of MSR primarily due to realization of expected cash flows (runoff). Core earnings is adjusted to exclude outstanding LTIP-OP Units in our Operating Partnership and dividends paid on preferred stock. Additionally, core earnings excludes (i) any tax (benefit) expense on unrealized (gain) loss on MSR and (ii) any estimated catch up premium amortization (benefit) cost due to the use of current rather than historical estimates of constant prepayment rates for amortization of Excess MSR. Core earnings include yield maintenance payments received from December 2016 to November 2017 in connection with the sale of the Company's Excess MSR. Core earnings are provided for purposes of comparability to other issuers that invest in residential mortgage-related assets. The Company believes providing investors with core earnings, in addition to related GAAP financial measures, gives investors greater transparency into the Company's ongoing operational performance. The concept of core earnings does have significant limitations, including the exclusion of realized and unrealized gains (losses), and may not be comparable to similarly-titled measures of other peers, which may use different calculations. As a result, core earnings should not be considered a substitute for the Company's GAAP net income (loss) or as a measure of the Company's liquidity.

## Core Earnings Summary

Core earnings for the three month period ended September 30, 2018 as compared to the three month period ended September 30, 2017, increased by approximately \$2.2 million, and increased by approximately \$0.03 per average common share, primarily due to the issuance of additional shares of common stock in May and through the Common ATM Program beginning in September 2018 offset by the absence of yield maintenance payments.

Core earnings for the nine month period ended September 30, 2018 as compared to the nine month period ended September 30, 2017, increased by approximately \$4.0 million, and decreased by approximately \$0.08 per average common share, primarily due to the absence of yield maintenance payments, early pay off ("EPO") protection on the MSR portfolio that we acquired in the first quarter of 2017 and the issuance of additional shares of common stock in May.

The following table provides GAAP measures of net income (loss) and details with respect to reconciling the aforementioned line items to core earnings and related per average common share amounts, for the periods indicated (dollars in thousands):

	Three Months Ended		Nine Months Ended	
	September 30,		September 30,	
	2018	2017	2018	2017
Net Income	\$ 27,499	\$ 6,859	\$ 76,583	\$ 27,781
Realized loss on RMBS, net	428	169	5,430	502
Realized loss (gain) on investments in Excess MSRs, net	-	-	-	(6,678)
Realized loss on derivatives, net	707	1,480	2,727	4,294
Unrealized loss (gain) on derivatives, net	(8,807)	(1,684)	(34,442)	1,867
Unrealized loss (gain) on investments in MSR	(6,218)	2,334	(18,351)	(5,471)
Tax (benefit) expense on unrealized (loss) gain on MSR	725	(643)	4,254	(783)
Changes due to realization of expected cash flows	(4,042)	(1,975)	(9,798)	(4,731)
Yield maintenance income	-	750	-	2,250

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Total core earnings:	\$ 10,292	\$ 7,290	\$ 26,403	\$ 19,031
Core earnings attributable to noncontrolling interests in Operating Partnership	(136 )	(100 )	(342 )	(265 )
Dividends on preferred stock	1,372	593	3,902	593
Core Earnings Attributable to Common Stockholders	\$ 8,784	\$ 6,597	\$ 22,158	\$ 18,173
Core Earnings Attributable to Common Stockholders, per Share	\$ 0.55	\$ 0.52	\$ 1.57	\$ 1.65
GAAP Net Income Per Share of Common Stock	\$ 1.62	\$ 0.49	\$ 5.09	\$ 2.43

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## Our Portfolio

## MSRs

By virtue of our acquisition of Aurora on May 29, 2015, we acquired its portfolio of Fannie Mae and Freddie Mac MSR. Subsequently, Aurora acquired portfolios of Fannie Mae, Freddie Mac and Ginnie Mae MSR with an aggregate UPB of approximately \$24.6 billion as of the respective acquisition dates.

The following tables set forth certain characteristics of the mortgage loans underlying those MSR as of the dates indicated (dollars in thousands):

## MSR Collateral Characteristics

As of September 30, 2018

	Collateral Characteristics								
	Current Carrying Amount	Current Principal Balance	WA Coupon	WA Servicing Fee	WA Maturity (months)	Weighted Average Loan Age (months)	ARMs % <sup>(A)</sup>		
MSRs									
Conventional	\$238,277	\$18,849,384	4.29	% 0.25	% 327	16	0.3	%	
Government	43,686	3,596,317	3.36	% 0.31	% 326	28	-	%	
MSR Total/WA	\$281,963	\$22,445,701	4.14	% 0.26	% 327	18	0.2	%	

As of December 31, 2017

	Collateral Characteristics								
	Current Carrying Amount	Current Principal Balance	WA Coupon	WA Servicing Fee	WA Maturity (months)	Weighted Average Loan Age (months)	ARMs % <sup>(A)</sup>		
MSRs									
Conventional	\$82,150	\$7,724,397	3.89	% 0.25	% 303	24	0.2	%	
Government	40,656	3,986,254	3.36	% 0.31	% 333	20	-	%	
MSR Total/WA	\$122,806	\$11,710,651	3.71	% 0.27	% 313	23	0.1	%	

(A) ARM % represents the percentage of the total principal balance of the pool that corresponds to adjustable-rate residential mortgage loan ("ARMs") and hybrid ARMs (residential mortgage loans that have interest rates that are fixed for a specified period of time (typically three, five, seven or ten years) and thereafter adjust to an increment over a specified interest rate index).

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## RMBS

The following tables summarize the characteristics of our RMBS portfolio and certain characteristics of the collateral underlying our RMBS as of the dates indicated (dollars in thousands):

## RMBS Characteristics

As of September 30, 2018

Asset Type	Original Face Value	Book Value	Gross Unrealized		Carrying Value <sup>(A)</sup>	Number of Securities	Weighted Average			Maturity (Years) <sup>(D)</sup>
			Gains	Losses			Rating	Coupon	Yield <sup>(C)</sup>	
RMBS										
Fannie Mae	\$1,430,611	\$1,285,060	\$30	\$(44,600)	\$1,240,490	162	(B)	3.85 %	3.69 %	25
Freddie Mac	566,251	493,798	-	(18,380)	475,418	65	(B)	3.74 %	3.59 %	27
CMOs	115,879	114,618	8,471	(24)	123,065	26	(B)	5.74 %	5.40 %	13
Total/Weighted Average	\$2,112,741	\$1,893,476	\$8,501	\$(63,004)	\$1,838,973	253		3.94 %	3.77 %	25

As of December 31, 2017

Asset Type	Original Face Value	Book Value	Gross Unrealized		Carrying Value <sup>(A)</sup>	Number of Securities	Weighted Average			Maturity (Years) <sup>(D)</sup>
			Gains	Losses			Rating	Coupon	Yield <sup>(C)</sup>	
RMBS										
Fannie Mae	\$1,306,823	\$1,241,027	\$1,427	\$(8,755)	\$1,233,699	154	(B)	3.80 %	3.61 %	26
Freddie Mac	556,204	515,475	864	(2,795)	513,544	64	(B)	3.74 %	3.57 %	27
CMOs	98,325	87,353	6,343	(27)	93,669	20	(B)	5.26 %	4.88 %	12
Total/Weighted Average	\$1,961,352	\$1,843,855	\$8,634	\$(11,577)	\$1,840,912	238		3.86 %	3.66 %	25

(A) See “Part I, Item 1. Notes to Consolidated Financial Statements—Note 9. Fair Value” regarding the estimation of fair value, which approximates carrying value for all securities.

(B) The Company used an implied AAA rating for the Agency RMBS. CMOs issued by Fannie Mae or Freddie Mac consist of loss share securities, the majority of which, by UPB, are unrated or rated below investment grade at September 30, 2018 by at least one nationally recognized statistical rating organization (“NRSRO”). Private label securities are rated investment grade or better by at least one NRSRO as of September 30, 2018.

(C) The weighted average yield is based on the most recent annualized monthly interest income, divided by the book value of settled securities.

(D) The weighted average maturity is based on the timing of expected principal reduction on the assets.

The following table summarizes the net interest spread of our RMBS portfolio as of the dates indicated:

## Net Interest Spread

	September 30, 2018		December 31, 2017	
Weighted Average Asset Yield	3.29	%	2.91	%

Weighted Average Interest Expense	2.11	%	1.64	%
Net Interest Spread	1.18	%	1.27	%

#### Liquidity and Capital Resources

Liquidity is a measurement of our ability to meet potential cash requirements, including ongoing commitments to repay borrowings, fund and maintain investments and other general business needs. Additionally, to maintain our status as a REIT under the Code, we must distribute annually at least 90% of our REIT taxable income. In future years, a portion of this requirement may be able to be met through stock dividends, rather than cash, subject to limitations based on the value of our stock.

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Our primary sources of funds for liquidity consist of cash provided by operating activities (primarily income from our investments in RMBS and net servicing income from our MSRs), sales or repayments of RMBS and borrowings under repurchase agreements and our MSR financing arrangements.

In the future, sources of funds for liquidity may include additional MSR financing, warehouse agreements, securitizations and the issuance of equity or debt securities, when feasible. During the year ended December 31, 2017, we completed offerings of our common stock and our Series A Preferred Stock which resulted in approximately \$81.2 million and \$57.9 million, respectively, of net proceeds which have been invested in Agency RMBS. In June 2018, we completed an additional offering of our common stock which resulted in approximately \$53.6 million of net proceeds which have been invested in RMBS. Net proceeds from sales pursuant to both the Preferred Series A ATM Program and the Common Stock ATM Program are also available for investment in RMBS. The Company anticipates that a significant portion of the net proceeds received from paydowns of these RMBS will be deployed into the acquisition of MSRs. The Company may also sell certain of these RMBS and deploy the net proceeds from such sales to the extent necessary to fund the purchase price of MSRs.

Our primary uses of funds are the payment of interest, management fees, outstanding commitments, other operating expenses, investments in new or replacement assets and the repayment of borrowings, as well as dividends. We seek to maintain adequate cash reserves and other sources of available liquidity to meet any margin calls resulting from decreases in value related to a reasonably possible (in the opinion of management) change in interest rates.

As of the date of this filing, we have sufficient liquid assets to satisfy all of our short-term recourse liabilities. With respect to the next twelve months, we expect that our cash on hand combined with the cash flow provided by our operations will be sufficient to satisfy our anticipated liquidity needs with respect to our current investment portfolio, including related financings, potential margin calls and operating expenses. While it is inherently more difficult to forecast beyond the next twelve months, we currently expect to meet our long-term liquidity requirements through our cash on hand and, if needed, additional borrowings, proceeds received from repurchase agreements and similar financings, proceeds from equity offerings and the liquidation or refinancing of our assets.

Our operating cash flow differs from our net income due primarily to: (i) accretion of discount or premium on our RMBS, (ii) unrealized gains or losses on our Servicing Related Assets, and (iii) OTTI on our securities, if any.

## Repurchase Agreements

As of September 30, 2018, we had repurchase agreements with 28 counterparties and approximately \$1,680.4 million of outstanding repurchase agreement borrowings from 19 of those counterparties, which were used to finance RMBS. As of September 30, 2018, our exposure (defined as the amount of cash and securities pledged as collateral, less the borrowing under the repurchase agreement) to any of the counterparties under the repurchase agreements did not exceed five percent of the Company's equity. Under these agreements, which are uncommitted facilities, we sell a security to a counterparty and concurrently agree to repurchase the same security at a later date at the same price that we initially sold the security plus the interest charged. The sale price represents financing proceeds and the difference between the sale and repurchase prices represents interest on the financing. The price at which the security is sold generally represents the market value of the security less a discount or "haircut." The weighted average haircut on our repurchase debt at September 30, 2018 was approximately 4.2%. During the term of the repurchase transaction, which can be as short as a few days, the counterparty holds the security and posted margin as collateral. The counterparty monitors and calculates what it estimates to be the value of the collateral during the term of the transaction. If this value declines by more than a de minimis threshold, the counterparty requires us to post additional collateral (or "margin") in order to maintain the initial haircut on the collateral. This margin is typically required to be posted in the form of cash and cash equivalents. Furthermore, we are, from time to time, a party to derivative agreements or financing arrangements that may be subject to margin calls based on the value of such instruments.



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Set forth below is the average aggregate balance of borrowings under the Company's repurchase agreements for each of the periods shown and the aggregate balance as of the end of each such period (dollars in thousands):

## Repurchase Agreement Average and Maximum Amounts

Quarter Ended	Average Monthly Amount	Maximum Month-End Amount	Quarter Ending Amount
September 30, 2018	\$ 1,690,418	\$ 1,680,394	\$ 1,680,394
June 30, 2018	\$ 1,548,441	\$ 1,693,309	\$ 1,693,309
March 31, 2018	\$ 1,608,700	\$ 1,708,338	\$ 1,500,562
December 31, 2017	\$ 1,628,904	\$ 1,666,537	\$ 1,666,537
September 30, 2017	\$ 1,471,802	\$ 1,590,228	\$ 1,561,074
June 30, 2017	\$ 1,160,226	\$ 1,197,440	\$ 1,197,440
March 31, 2017	\$ 727,550	\$ 773,317	\$ 773,317
December 31, 2016	\$ 636,880	\$ 688,628	\$ 594,615
September 30, 2016	\$ 511,475	\$ 537,139	\$ 466,209
June 30, 2016	\$ 485,476	\$ 544,862	\$ 456,075
March 31, 2016	\$ 406,360	\$ 414,153	\$ 398,374
December 31, 2015	\$ 408,227	\$ 443,446	\$ 385,560
September 30, 2015	\$ 396,013	\$ 440,727	\$ 440,727

The increases in the Company's borrowings under its repurchase agreements were primarily due to the investment of funds in RMBS received from the following sources: amounts borrowed under the MSR Financing Facility and the MSR Term Facility (as defined below); the sale of our Excess MSRs to Freedom Mortgage as described above; the sales of our common stock in March 2017, and June 2018 and pursuant to the Common Stock ATM Program; and the sales of our Series A Preferred Stock in August 2017 and pursuant to the Preferred Series A ATM Program.

These short-term borrowings were used to finance certain of our investments in RMBS. The RMBS repurchase agreements are guaranteed by the Company. The weighted average difference between the market value of the assets and the face amount of available financing for the RMBS repurchase agreements, or the haircut, was 4.2% and 5.2% as of September 30, 2018 and December 31, 2017, respectively. The following tables provide additional information regarding borrowings under our repurchase agreements (dollars in thousands):

## Repurchase Agreement Characteristics

As of September 30, 2018

	RMBS Market Value	Repurchase Agreements	Weighted Average Rate	
Less than one month	\$ 765,883	\$ 732,212	2.24	%
One to three months	750,779	723,385	2.26	%
Greater than three months	233,805	224,797	2.37	%
Total/Weighted Average	\$ 1,750,467	\$ 1,680,394	2.26	%

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As of December 31, 2017

	RMBS Market Value	Repurchase Agreements	Weighted Average Rate	
Less than one month	\$ 444,476	\$429,573	1.44	%
One to three months	1,278,872	1,231,687	1.48	%
Greater than three months	5,216	5,277	1.52	%
Total/Weighted Average	\$ 1,728,564	\$1,666,537	1.47	%

The amount of collateral as of September 30, 2018 and December 31, 2017, including cash, was \$1,750.4 million and \$1,757.2 million, respectively.

The weighted average term to maturity of our borrowings under repurchase agreements as of September 30, 2018 and December 31, 2017 was 47 days and 46 days, respectively.

**MSR Financing**

In September 2016, Aurora and QRS III entered into the MSR Financing Facility, pursuant to which Aurora and QRS III pledged their respective rights in all existing and future MSRs for loans owned or securitized by Fannie Mae to secure borrowings up to a maximum of \$25.0 million outstanding at any one time. On March 20, 2018, Aurora and QRS III entered into an amendment that increased the maximum amount of the MSR Financing Facility from \$25.0 million to \$75.0 million and extended the revolving period, during which only interest payments are due, to March 2020. The revolving period may be further extended by agreement. During the revolving period, borrowings bear interest at a rate equal to a spread over one-month LIBOR subject to a floor. At the end of the revolving period, the outstanding amount will be converted to a three-year term loan that will bear interest at a rate calculated at a spread over the rate for one-year interest rate swaps. The Company has previously guaranteed repayment of all indebtedness under the MSR Financing Facility. At September 30, 2018 and December 31, 2017, approximately \$67.8 million and \$20.5 million, respectively, was outstanding under the MSR Financing Facility.

In May 2017, the Company, Aurora and QRS IV obtained a \$20.0 million loan (the “MSR Term Facility”) secured by the pledge of Aurora’s Ginnie Mae MSRs and the Company’s ownership interest in QRS IV. The loan bears interest at a fixed rate of 6.18% per annum, amortizes on a ten-year amortization schedule and is due on May 18, 2022.

In July 2018, the Company, Aurora and QRS (collectively with Aurora and the Company, the “Borrowers”) entered into a \$25.0 million revolving credit facility (the “MSR Revolver”) pursuant to which Aurora pledged all of its existing and future MSRs on loans owned or securitized by Freddie Mac. The term of the MSR Revolver is 364 days with the Borrowers’ option for two renewals for similar terms followed by a one-year term out feature with a 24-month amortization schedule. The MSR Revolver was upsized to \$45.0 million in September 2018. The Company also has the ability to request up to an additional \$5.0 million of borrowings. Amounts borrowed bear interest at an adjustable rate equal to a spread above one-month LIBOR. At September 30, 2018 approximately \$45.0 million was outstanding under the MSR Revolver.

**Cash Flows****Operating and Investing Activities**

Our operating activities provided cash of approximately \$12.5 million and our investing activities used cash of approximately \$38.9 million for the three month period ended September 30, 2018. The cash used in investing activities resulted from the three equity offerings that we completed in 2017 and 2018 as well as the execution of our ongoing investment strategy.

Our operating activities provided cash of approximately \$52.0 million and our investing activities used cash of approximately \$210.4 million for the nine month period ended September 30, 2018. The cash used in investing activities resulted from the two equity offerings that we completed in 2017 as well as the execution of our ongoing investment strategy.

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### Dividends

U.S. federal income tax law generally requires that a REIT distribute annually at least 90% of its REIT taxable income, without regard to the deduction for dividends paid and excluding net capital gains, and that it pay tax at regular corporate rates to the extent that it annually distributes less than 100% of its taxable income. We intend to make regular quarterly distributions of all or substantially all of our REIT taxable income to holders of our common and preferred stock out of assets legally available for this purpose, if and to the extent authorized by our board of directors. Before we pay any dividend, whether for U.S. federal income tax purposes or otherwise, we must first meet both our operating requirements and debt service on our repurchase agreements and other debt payable. If our cash available for distribution is less than our REIT taxable income, we could be required to sell assets or borrow funds to make cash distributions, or, with respect to our common stock, we may make a portion of the required distribution in the form of a taxable stock distribution or distribution of debt securities. We will make distributions only upon the authorization of our board of directors. The amount, timing and frequency of distributions will be authorized by our board of directors based upon a variety of factors, including:

- actual results of operations;
- our level of retained cash flows;
- our ability to make additional investments in our target assets;
- restrictions under Maryland law;
- the terms of our preferred stock;
- any debt service requirements;
- our taxable income;
- the annual distribution requirements under the REIT provisions of the Code; and
- other factors that our board of directors may deem relevant.

Our ability to make distributions to our stockholders will depend upon the performance of our investment portfolio, and, in turn, upon our Manager's management of our business. Distributions will be made quarterly in cash to the extent that cash is available for distribution. We may not be able to generate sufficient cash available for distribution to pay distributions to our stockholders. In addition, our board of directors may change our distribution policy with respect to our common stock in the future.

We make distributions based on a number of factors, including an estimate of taxable earnings. Dividends distributed and taxable income will typically differ from GAAP earnings due to items such as fair value adjustments, differences in premium amortization and discount accretion, and nondeductible general and administrative expenses. Our common dividend per share may be substantially different than our taxable earnings and GAAP earnings per share. Our GAAP earnings and loss per diluted share for the three month periods ended September 30, 2018 and September 30, 2017 were \$1.62 and \$0.49, respectively. Our GAAP earnings per diluted share for the nine month periods ended September 30, 2018 and September 30, 2017 were \$5.09 and \$2.43, respectively.

### Off-balance Sheet Arrangements

As of September 30, 2018, we did not have any off-balance sheet arrangements. We did not have any relationships with unconsolidated entities or financial partnerships, such as entities often referred to as structured investment vehicles, or special purpose or variable interest entities, established to facilitate off-balance sheet arrangements or other contractually narrow or limited purposes. Further, we have not guaranteed any obligations of unconsolidated entities or entered into any commitment or intend to provide additional funding to any such entities.

### Contractual Obligations

Our contractual obligations as of September 30, 2018 and December 31, 2017 included repurchase agreements, borrowings under our MSR financing arrangements, our Management Agreement with our Manager, our subservicing agreements and our joint marketing recapture agreement with Freedom Mortgage. Pursuant to our Management Agreement, our Manager is entitled to receive a management fee and the reimbursement of certain expenses.

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The following table summarizes our contractual obligations for borrowed money as of the dates indicated (dollars in thousands):

## Contractual Obligations Characteristics

As of September 30, 2018

	Less than 1 year	1 to 3 years	3 to 5 years	More than 5 years	Total
Repurchase agreements					
Borrowings under repurchase agreements	\$1,680,394	\$-	\$-	\$ -	\$1,680,394
Interest on repurchase agreement borrowings <sup>(A)</sup>	\$5,582	\$-	\$-	\$ -	\$5,582
MSR Term Facility					
Borrowings under MSR Term Facility	\$2,000	\$4,000	\$11,496	\$ -	\$17,496
Interest on MSR Term Facility borrowings	\$1,039	\$1,704	\$483	\$ -	\$3,226
Financing Facility					
Borrowings under Financing Facility	\$-	\$8,447	\$59,399	\$ -	\$67,846
Interest on MSR Financing borrowings	\$4,034	\$7,195	\$269	\$ -	\$11,498
MSR Revolver					
Borrowings under Financing Facility	\$-	\$45,000	\$-	\$ -	\$45,000
Interest on MSR Financing borrowings	\$2,545	\$4,868	\$-	\$ -	\$7,413

As of December 31, 2017

	Less than 1 year	1 to 3 years	3 to 5 years	More than 5 years	Total
Repurchase agreements					
Borrowings under repurchase agreements	\$1,666,537	\$-	\$-	\$ -	\$1,666,537
Interest on repurchase agreement borrowings <sup>(A)</sup>	\$4,041	\$-	\$-	\$ -	\$4,041
MSR Term Facility					
Borrowings under MSR Term Facility	\$2,000	\$4,000	\$13,000	\$ -	\$19,000
Interest on MSR Term Facility borrowings	\$1,133	\$1,893	\$1,063	\$ -	\$4,089
Financing Facility					
Borrowings under Financing Facility	\$389	\$3,306	\$16,805	\$ -	\$20,500
Interest on MSR Financing borrowings	\$1,100	\$2,019	\$732	\$ -	\$3,851

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Interest expense is calculated based on the interest rate in effect at September 30, 2018 and December 31, 2017, (A) respectively, and includes all interest expense incurred and expected to be incurred in the future through the contractual maturity of the associated repurchase agreement.

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Management Agreement

The Management Agreement with our Manager provides that our Manager is entitled to receive a management fee, the reimbursement of certain expenses and, in certain circumstances, a termination fee. The management fee is an amount equal to 1.5% per annum of our stockholders' equity, adjusted as set forth in the Management Agreement, and calculated and payable quarterly in arrears. We will also be required to pay a termination fee equal to three times the average annual management fee earned by our Manager during the two four-quarter periods ending as of the end of the most recently completed fiscal quarter prior to the effective date of the termination. Such termination fee will be payable upon termination of the Management Agreement by us without cause or by our Manager if we materially breach the Management Agreement.

We pay all of our direct operating expenses, except those specifically required to be borne by our Manager under the Management Agreement. Our Manager is responsible for all costs incident to the performance of its duties under the Management Agreement. We believe that our Manager uses the proceeds from its management fee in part to pay Freedom Mortgage for services provided under the Services Agreement between the Manager and Freedom Mortgage. Our chief financial officer receives a nominal portion of his overall compensation directly from Aurora for acting as its president. With that exception, our officers receive no cash compensation directly from us. Our Manager provides us with our officers. Our Manager is entitled to be reimbursed for an agreed upon portion of the costs of the wages, salary and other benefits with respect to our chief financial officer, controller and general counsel, originally based on the percentages of their working time and efforts spent on matters related to the Company. The amount of the wages, salary and benefits reimbursed with respect to the officers our Manager provides to us is subject to the approval of the compensation committee of our board of directors.

The term of the Management Agreement will expire on October 22, 2020 and will be automatically renewed for a one-year term on such date and on each anniversary of such date thereafter unless terminated or not renewed as described below. Either we or our Manager may elect not to renew the Management Agreement upon expiration of its initial term or any renewal term by providing written notice of non-renewal at least 180 days, but not more than 270 days, before expiration. In the event we elect not to renew the term, we will be required to pay our Manager the termination fee described above. We may terminate the Management Agreement at any time for cause effective upon 30 days prior written notice of termination from us to our Manager, in which case no termination fee would be due. Our board of directors will review our Manager's performance prior to the automatic renewal thereof and, as a result of such review, upon the affirmative vote of at least two-thirds of the members of our board of directors or of the holders of a majority of our outstanding common stock, we may terminate the Management Agreement based upon unsatisfactory performance by our Manager that is materially detrimental to us or a determination by our independent directors that the management fees payable to our Manager are not fair, subject to the right of our Manager to prevent such a termination by agreeing to a reduction of the management fees payable to our Manager. Upon any termination of the Management Agreement based on unsatisfactory performance or unfair management fees, we are required to pay our Manager the termination fee described above. Our Manager may terminate the Management Agreement, without payment of the termination fee, in the event we become regulated as an investment company under the Investment Company Act. Our Manager may also terminate the Management Agreement upon 60 days' written notice if we default in the performance of any material term of the Management Agreement and the default continues for a period of 30 days after written notice to us, whereupon we would be required to pay our Manager the termination fee described above.

Subservicing Agreements

Aurora has four subservicing agreements in place, one of which is with Freedom Mortgage. Freedom Mortgage currently is the only sub-servicer for the Ginnie Mae MSR's. The agreements have varying initial terms (three years for Freedom Mortgage and two years for the other three sub-servicers) and are subject to automatic renewal for additional terms equal to the applicable initial term unless either party chooses not to renew. Each agreement may be terminated

without cause by either party by giving notice as specified in the agreement. If an agreement is not renewed by the Company or terminated by the Company without cause, market rate de-boarding fees will be due to the sub-servicer. Under each agreement, the sub-servicer agrees to service the applicable mortgage loans in accordance with applicable law and the requirements of the applicable agency and the Company pays customary fees to the applicable subservicer for specified services.

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Freedom Mortgage has given notice of its termination of the subservicing agreement without cause, effective April 5, 2019. The Company has given notice of termination of another subservicing agreement for cause, effective in December 2018.

Joint Marketing Recapture Agreement

We attempt to reduce the exposure of our MSR's to voluntary prepayments through the structuring of recapture agreements with certain of Aurora's subservicers, including Freedom Mortgage. In June 2016, Aurora entered into a joint marketing recapture agreement with Freedom Mortgage will terminate upon the termination of the subservicing agreement with Freedom Mortgage. Pursuant to this agreement, Freedom Mortgage attempts to refinance certain mortgage loans underlying Aurora's portfolio of Fannie Mae, Freddie Mac and Ginnie Mae MSR's as directed by Aurora. If a loan is refinanced, Aurora will pay Freedom Mortgage a fee for its origination services. Freedom Mortgage will be entitled to sell the loan for its own benefit and will transfer the related MSR to Aurora. The agreement had an initial term of one year, subject to automatic renewals of one year each and subject to termination by either party upon 60 days prior notice. All new loans must qualify for sale to Fannie Mae or Freddie Mac or be eligible for pooling with Ginnie Mae, as applicable, and meet other conditions set forth in the agreement. During the three months ended September 30, 2018, MSR's on 9 loans with an aggregate UPB of approximately \$2.3 million had been received from Freedom Mortgage which generated approximately \$3,000 in fees due to Freedom Mortgage. During the nine months ended September 30, 2018, MSR's on 77 loans with an aggregate UPB of approximately \$16.5 million had been received from Freedom Mortgage which generated approximately \$24,000 in fees due to Freedom Mortgage.

Inflation

Virtually all of our assets and liabilities are financial in nature. As a result, interest rates and other factors affect our performance more so than inflation, although inflation rates can often have a meaningful influence over the direction of interest rates. Furthermore, our financial statements are prepared in accordance with GAAP and our distributions are determined by our board of directors primarily based on our REIT taxable income, and, in each case, our activities and balance sheet are measured with reference to historical cost and/or fair market value without considering inflation.

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Item 3. Quantitative and Qualitative Disclosures about Market Risk

We seek to manage our risks related to the credit quality of our assets, interest rates, liquidity, prepayment speeds and market value while, at the same time, seeking to provide an opportunity to stockholders to realize attractive risk-adjusted returns through ownership of our capital stock. While we do not seek to avoid risk completely, we believe the risk can be quantified from historical experience and seek to actively manage that risk, to earn sufficient compensation to justify taking those risks and to maintain capital levels consistent with the risks we undertake.

Interest Rate Risk

Interest rates are highly sensitive to many factors, including fiscal and monetary policies and domestic and international economic and political considerations, as well as other factors beyond our control. We are subject to interest rate risk in connection with our assets and our related financing obligations. In general, we finance the acquisition of certain of our assets through financings in the form of repurchase agreements and bank facilities. We expect to make use of MSR financing, warehouse facilities, securitizations, re-securitizations, and public and private equity and debt issuances in addition to transaction or asset specific funding arrangements. In addition, the values of our Servicing Related Assets are highly sensitive to changes in interest rates, historically increasing when rates rise and decreasing when rates decline. Subject to maintaining our qualification as a REIT, we attempt to mitigate interest rate risk through utilization of hedging instruments, primarily interest rate swap agreements. We may also use financial futures, options, interest rate cap agreements, and forward sales. These instruments are intended to serve as a hedge against future interest rate changes on our borrowings.

Interest Rate Effect on Net Interest Income

Our operating results depend in large part on differences between the income earned on our assets and our cost of borrowing and hedging activities. The costs of our borrowings are generally based on prevailing market interest rates. During a period of rising interest rates, our borrowing costs generally will increase (1) while the yields earned on our leveraged fixed-rate mortgage assets will remain static and (2) at a faster pace than the yields earned on our leveraged adjustable-rate and hybrid adjustable-rate RMBS, which could result in a decline in our net interest spread and net interest margin. The severity of any such decline would depend on our asset/liability composition at the time as well as the magnitude and duration of the interest rate increase. Further, an increase in short-term interest rates could also have a negative impact on the market value of our assets, other than our Servicing Related Assets. A decrease in interest rates could have a negative impact on the market value of our Servicing Related Assets. If any of these events happen, we could experience a decrease in net income or incur a net loss during these periods, which could adversely affect our liquidity and results of operations.

Hedging techniques are partly based on assumed levels of prepayments of our assets, specifically our RMBS. If prepayments are slower or faster than assumed, the life of the investment will be longer or shorter, which would reduce the effectiveness of any hedging strategies we may use and may cause losses on such transactions. Hedging strategies involving the use of derivatives are highly complex and may produce volatile returns.

Interest Rate Cap Risk

Any adjustable-rate RMBS that we acquire will generally be subject to interest rate caps, which potentially could cause such RMBS to acquire many of the characteristics of fixed-rate securities if interest rates were to rise above the cap levels. This issue will be magnified to the extent we acquire adjustable-rate and hybrid adjustable-rate RMBS that are not based on mortgages which are fully indexed. In addition, adjustable-rate and hybrid adjustable-rate RMBS may be subject to periodic payment caps that result in some portion of the interest being deferred and added to the principal outstanding. This could result in our receipt of less cash income on such assets than we would need to pay the interest cost on our related borrowings. To mitigate interest rate mismatches, we may utilize the hedging strategies

discussed above under “—Interest Rate Risk.” Actual economic conditions or implementation of decisions by our Manager may produce results that differ significantly from the estimates and assumptions used in our models.



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## Prepayment Risk; Extension Risk

The following tables summarize the estimated change in fair value of our MSR as of the dates indicated given several parallel shifts in the discount rate and voluntary prepayment rate (dollars in thousands):

## MSR Fair Value Changes

As of September 30, 2018

## Conventional

	(20)%	(10)%	-%	10%	20%
Discount Rate Shift in %					
Estimated FV	\$ 259,902	\$ 248,655	\$ 238,278	\$ 228,678	\$ 219,777
Change in FV	\$ 21,624	\$ 10,377	\$ -	\$ (9,599 )	\$ (18,500 )
% Change in FV	9	% 4	% -	(4 )%	(8 )%
Voluntary Prepayment Rate Shift in %					
Estimated FV	\$ 251,846	\$ 245,387	\$ 238,278	\$ 230,943	\$ 223,680
Change in FV	\$ 13,568	\$ 7,109	\$ -	\$ (7,335 )	\$ (14,598 )
% Change in FV	6	% 3	% -	(3 )%	(6 )%
Servicing Cost Shift in %					
Estimated FV	\$ 244,313	\$ 241,295	\$ 238,278	\$ 235,260	\$ 232,243
Change in FV	\$ 6,035	\$ 3,017	\$ -	\$ (3,017 )	\$ (6,035 )
% Change in FV	3	% 1	% -	(1 )%	(3 )%

## Government

	(20)%	(10)%	-%	10%	20%
Discount Rate Shift in %					
Estimated FV	\$ 48,381	\$ 45,921	\$ 43,686	\$ 41,647	\$ 39,783
Change in FV	\$ 4,696	\$ 2,235	\$ -	\$ (2,038 )	\$ (3,903 )
% Change in FV	11	% 5	% -	(5 )%	(9 )%
Voluntary Prepayment Rate Shift in %					
Estimated FV	\$ 45,902	\$ 44,860	\$ 43,686	\$ 42,476	\$ 41,275
Change in FV	\$ 2,217	\$ 1,175	\$ -	\$ (1,210 )	\$ (2,411 )
% Change in FV	5	% 3	% -	(3 )%	(6 )%
Servicing Cost Shift in %					
Estimated FV	\$ 45,353	\$ 44,519	\$ 43,686	\$ 42,852	\$ 42,018
Change in FV	\$ 1,667	\$ 834	\$ -	\$ (834 )	\$ (1,667 )
% Change in FV	4	% 2	% -	(2 )%	(4 )%

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As of December 31, 2017

Conventional

	(20)%	(10)%	-%	10%	20%
Discount Rate Shift in %					
Estimated FV	\$ 88,812	\$ 85,361	\$ 82,149	\$ 79,154	\$ 76,354
Change in FV	\$ 6,662	\$ 3,212	\$ -	\$(2,996 )	\$(5,796 )
% Change in FV	8	% 4	% -	(4 )%	(7 )%
Voluntary Prepayment Rate Shift in %					
Estimated FV	\$ 89,240	\$ 85,583	\$ 82,149	\$ 78,814	\$ 75,678
Change in FV	\$ 7,090	\$ 3,434	\$ -	\$(3,335 )	\$(6,471 )
% Change in FV	9	% 4	% -	(4 )%	(8 )%
Servicing Cost Shift in %					
Estimated FV	\$ 84,518	\$ 83,334	\$ 82,149	\$ 80,965	\$ 79,781
Change in FV	\$ 2,368	\$ 1,184	\$ -	\$(1,184 )	\$(2,368 )
% Change in FV	3	% 1	% -	(1 )%	(3 )%

Government

	(20)%	(10)%	-%	10%	20%
Discount Rate Shift in %					
Estimated FV	\$ 45,133	\$ 42,790	\$ 40,656	\$ 38,707	\$ 36,920
Change in FV	\$ 4,477	\$ 2,134	\$ -	\$(1,949 )	\$(3,736 )
% Change in FV	11	% 5	% -	(5 )%	(9 )%
Voluntary Prepayment Rate Shift in %					
Estimated FV	\$ 42,910	\$ 41,872	\$ 40,656	\$ 39,383	\$ 38,112
Change in FV	\$ 2,253	\$ 1,216	\$ -	\$(1,273 )	\$(2,544 )
% Change in FV	6	% 3	% -	(3 )%	(6 )%
Servicing Cost Shift in %					
Estimated FV	\$ 42,309	\$ 41,483	\$ 40,656	\$ 39,830	\$ 39,003
Change in FV	\$ 1,653	\$ 827	\$ -	\$(827 )	\$(1,653 )
% Change in FV	4	% 2	% -	(2 )%	(4 )%

The following tables summarize the estimated change in fair value of our RMBS as of the dates indicated given several parallel shifts in interest rates (dollars in thousands):

RMBS Fair Value Changes

As of September 30, 2018

	September 30, 2018	Fair Value Change +25 Bps	+50 Bps	+75 Bps	+100 Bps	+150 Bps
RMBS Portfolio						
RMBS, available-for-sale, net of swaps	\$ 1,847,309					
RMBS Total Return (%)		(0.34 )%	(0.77 )%	(1.26 )%	(1.81 )%	(3.02 )%
RMBS Dollar Return		\$(6,325)	\$(14,123)	\$(23,156)	\$(33,245 )	\$(55,536 )



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As of December 31, 2017

	December 31, 2017	Fair Value Change				
		+25 Bps	+50 Bps	+75 Bps	+100 Bps	+150 Bps
RMBS Portfolio						
RMBS, available-for-sale, net of swaps	\$ 1,873,411					
RMBS Total Return (%)		(0.35 )%	(0.83 )%	(1.40 )%	(2.06 )%	(3.58 )%
RMBS Dollar Return		\$(6,590)	\$(15,432)	\$(26,162)	\$(38,443 )	\$(66,922 )

The sensitivity analysis is hypothetical and is presented solely to assist an analysis of the possible effects on the fair value under various scenarios. It is not a prediction of the amount or likelihood of a change in any particular scenario. In particular, the results are calculated by stressing a particular economic assumption independent of changes in any other assumption. In practice, changes in one factor may result in changes in another, which might counteract or amplify the sensitivities. In addition, changes in the fair value based on a 10% variation in an assumption generally may not be extrapolated because the relationship of the change in the assumption to the change in fair value may not be linear.

**Counterparty Risk**

When we engage in repurchase transactions, we generally sell securities to lenders (i.e., repurchase agreement counterparties) and receive cash from the lenders. The lenders are obligated to resell the same securities back to us at the end of the term of the transaction. Because the cash we receive from the lender when we initially sell the securities to the lender is less than the value of those securities (this difference is the haircut), if the lender defaults on its obligation to resell the same securities back to us we would incur a loss on the transaction equal to the amount of the haircut (assuming there was no change in the value of the securities). As of September 30, 2018, the Company's exposure (defined as the amount of cash and securities pledged as collateral, less the borrowing under the repurchase agreement) to any of the counterparties under the repurchase agreements did not exceed five percent of the Company's equity.

Our interest rate swaps are required to be cleared on an exchange which greatly mitigates, but does not entirely eliminate, counterparty risk.

Our investments in Servicing Related Assets are dependent on the applicable mortgage sub-servicer to perform its sub-servicing obligations. If our sub-servicer fails to perform its obligations and is terminated by one or more Agencies as an approved servicer, the value of the MSR's being subserviced by that sub-servicer may be adversely affected. In addition, when we purchase MSR's from third parties, we rely, to a certain extent, on the ability and willingness of the sellers to perform their contractual obligations to remedy breaches of representations and warranties or to repurchase the affected loan and indemnify us for any losses.

**Funding Risk**

To the extent available on desirable terms, we expect to continue to finance our RMBS with repurchase agreement financing. We also anticipate continuing to finance our MSR's with bank loans secured by a pledge of those MSR's. Over time, as market conditions change, in addition to these financings, we may use other forms of leverage. Weakness in the financial markets, the residential mortgage markets and the economy generally could adversely affect one or more of our potential lenders and could cause one or more of our potential lenders to be unwilling or unable to provide us with financing or to increase the costs of that financing.



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Liquidity Risk

Our Servicing Related Assets, as well as some of the assets that may in the future comprise our portfolio, are not publicly traded. A portion of these assets may be subject to legal and other restrictions on resale or will otherwise be less liquid than publicly-traded securities. The illiquidity of these assets may make it difficult for us to sell such assets if the need or desire arises, including in response to changes in economic and other conditions.

Credit Risk

Although we expect relatively low credit risk with respect to our portfolio of Agency RMBS, our investment in CMOs and MSRs exposes us to the credit risk of borrowers. To the extent we invest in prime mortgage loans, we expect to encounter credit risk related to these asset classes.

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Item 4. Controls and Procedures

Disclosure Controls and Procedures. The Company's President and Chief Executive Officer and the Company's Chief Financial Officer have evaluated the effectiveness of the Company's disclosure controls and procedures (as such term is defined in Rules 13a-15(e) and 15d-15(e) under the Securities Exchange Act of 1934, as amended (the "Exchange Act")) as of the end of the period covered by this report. The Company's disclosure controls and procedures are designed to provide reasonable assurance that information is recorded, processed, summarized and reported accurately and on a timely basis. Based on such evaluation, the Company's President and Chief Executive Officer and the Company's Chief Financial Officer have concluded that, as of the end of such period, the Company's disclosure controls and procedures are effective.

Changes in Internal Control Over Financial Reporting. There have been no changes in the Company's internal control over financial reporting (as such term is defined in Rules 13a-15(f) and 15d-15(f) under the Exchange Act) during the most recently completed fiscal quarter that have materially affected, or are reasonably likely to materially affect, the Company's internal control over financial reporting.

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PART II. OTHER INFORMATION

Item 1. Legal Proceedings

From time to time, the Company may be involved in various claims and legal actions in the ordinary course of business. As of September 30, 2018, the Company was not involved in any material legal proceedings.

Item 1A. Risk Factors

None.

Item 2. Unregistered Sales of Equity Securities and Use of Proceeds

None.

Item 3. Defaults Upon Senior Securities

None.

Item 4. Mine Safety Disclosures

Not Applicable.

Item 5. Other Information

Not Applicable.

Item 6. Exhibits

Exhibit Number	Description
31.1*	Certification of Principal Executive Officer pursuant to Rule 13a-14(a)/15d-14(a) of the Securities Exchange Act of 1934.
31.2*	Certification of Principal Financial Officer pursuant to Rule 13a-14(a)/15d-14(a) of the Securities Exchange Act of 1934.
32.1*	Certification of Chief Executive Officer pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.
32.2*	Certification of Chief Financial Officer pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.
101.INS*	XBRL Instance Document
101.SCH*	XBRL Taxonomy Extension Schema
101.CAL*	XBRL Taxonomy Extension Calculation Linkbase



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101.DEF\* XBRL Taxonomy Definition Linkbase

101.LAB\* XBRL Taxonomy Extension Label Linkbase

101.PRE\* XBRL Taxonomy Extension Presentation Linkbase

\*Filed herewith.

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SIGNATURES

Pursuant to the requirements of Section 13 or 15(d) of the Securities Exchange Act of 1934, the Company has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

CHERRY HILL  
MORTGAGE  
INVESTMENT  
CORPORATION

November 7, 2018 By: /s/ Jeffrey Lown II  
Jeffrey Lown II  
President and Chief  
Executive Officer  
(Principal Executive  
Officer)

November 7, 2018 By: /s/ Martin J. Levine  
Martin J. Levine  
Chief Financial Officer,  
Secretary and Treasurer  
(Principal Financial  
Officer)

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CHERRY HILL MORTGAGE INVESTMENT CORPORATION

FORM 10-Q

September 30, 2018

INDEX OF EXHIBITS

Exhibit Number	Description
<u>31.1*</u>	Certification of Principal Executive Officer pursuant to Rule 13a-14(a)/15d-14(a) of the Securities Exchange Act of 1934.
<u>31.2*</u>	Certification of Principal Financial Officer pursuant to Rule 13a-14(a)/15d-14(a) of the Securities Exchange Act of 1934.
<u>32.1*</u>	Certification of Chief Executive Officer pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.
<u>32.2*</u>	Certification of Chief Financial Officer pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.
101.INS*	XBRL Instance Document
101.SCH*	XBRL Taxonomy Extension Schema
101.CAL*	XBRL Taxonomy Extension Calculation Linkbase
101.DEF*	XBRL Taxonomy Definition Linkbase
101.LAB*	XBRL Taxonomy Extension Label Linkbase
101.PRE*	XBRL Taxonomy Extension Presentation Linkbase

\*Filed herewith.