

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

**FORM 8-K**

**Current Report**

**Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934**

Date of Report: May 3, 2017

**Two Harbors Investment Corp.**

(Exact name of registrant as specified in its charter)

**Maryland**  
(State or other jurisdiction  
of incorporation)

**001-34506**  
(Commission  
File Number)

**27-0312904**  
(I.R.S. Employer  
Identification No.)

**590 Madison Avenue, 36th Floor**  
**New York, NY 10022**  
(Address of principal executive offices)  
(Zip Code)

Registrant's telephone number, including area code: **(612) 629-2500**

**Not Applicable**

(Former name or former address, if changed since last report)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

- Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
- Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Indicate by check mark whether the registrant is an emerging growth company as defined in Rule 405 of the Securities Act of 1933 (§230.405 of this chapter) or Rule 12b-2 of the Securities Exchange Act of 1934 (§240.12b-2 of this chapter).

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.

**Item 2.02 Results of Operations and Financial Condition.**

On May 3, 2017, Two Harbors Investment Corp. (the "Company") issued a press release announcing its financial results for the fiscal quarter ended March 31, 2017. A copy of the press release and the 2017 First Quarter Earnings Call Presentation are attached hereto as Exhibits 99.1 and 99.2, respectively, and are incorporated herein by reference.

The information in this Current Report, including Exhibits 99.1 and 99.2 attached hereto, is furnished pursuant to Item 2.02 of Form 8-K and shall not be deemed to be "filed" for any other purpose, including for purposes of Section 18 of the Securities Exchange Act of 1934, as amended, or otherwise subject to the liabilities of that Section. The information in Item 2.02 of this Current Report, including Exhibits 99.1 and 99.2, shall not be deemed incorporated by reference into any filing of the registrant under the Securities Act of 1933 or the Exchange Act, whether made before or after the date hereof, regardless of any general incorporation language in such filings (unless the registrant specifically states that the information or exhibit in this Item 2.02 is incorporated by reference).

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**Item 9.01 Financial Statements and Exhibits.**

(d) Exhibits.

<b>Exhibit No.</b>	<b>Description</b>
99.1	Press Release of Two Harbors Investment Corp., dated May 3, 2017.
99.2	2017 First Quarter Earnings Call Presentation.

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**SIGNATURES**

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

TWO HARBORS INVESTMENT CORP.

By: /s/ REBECCA B. SANDBERG  
Rebecca B. Sandberg  
General Counsel and Secretary

Date: May 3, 2017

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**Exhibit Index**

<b>Exhibit No.</b>	<b>Description</b>	<b>Filing Method</b>
99.1	Press Release of Two Harbors Investment Corp., dated May 3, 2017.	Electronically
99.2	2017 First Quarter Earnings Call Presentation.	Electronically

## Two Harbors Investment Corp. Reports First Quarter 2017 Financial Results

*Total Return on Book Value of 3.9%<sup>(1)</sup>*

*Delivering on Plan to Increase Earnings Power*

**NEW YORK, May 3, 2017** - [Two Harbors Investment Corp.](#) (NYSE: TWO), a leading hybrid mortgage real estate investment trust (REIT) that invests in residential mortgage-backed securities (RMBS), mortgage servicing rights (MSR), commercial real estate and other financial assets, today announced its financial results for the quarter ended March 31, 2017.

### **Summary**

- Reported book value of \$9.91 per common share, representing a 3.9%<sup>(1)</sup> total quarterly return on book value after accounting for a dividend of \$0.25 per common share.
- Delivered Comprehensive Income of \$145.7 million, a return on average common equity of 16.9%, or \$0.42 per weighted average common share.
- Reported Core Earnings (revised) of \$95.0 million, or \$0.27 per weighted average common share; Core Earnings (unrevised) were \$91.0 million, or \$0.26 per weighted average common share.<sup>(2)</sup>
- Completed an underwritten public offering of \$287.5 million aggregate principal amount of 6.25% convertible senior notes due 2022.
- Issued 5,750,000 shares of 8.125% Series A fixed-to-floating rate cumulative redeemable preferred stock for proceeds, net of offering costs, of \$138.9 million.

“We are off to a terrific start to the year, delivering a 3.9% return on book value and solid increases in Core Earnings and Comprehensive Income,” stated Thomas Siering, Two Harbors’ President and Chief Executive Officer. “We are on track to deliver stronger earnings in 2017 through running a leaner business model focused on the allocation of capital to the most attractive market opportunities and cost containment.”

(1) Return on book value for the quarter ended March 31, 2017 is defined as the increase in book value per common share from December 31, 2016 to March 31, 2017 of \$0.13, plus the dividend declared of \$0.25 per common share, divided by December 31, 2016 book value of \$9.78 per common share.

(2) Core Earnings is a non-GAAP measure. Please see page 2 for a discussion of an update to the company’s Core Earnings calculation beginning with the quarter ended March 31, 2017. Please see page 14 for a definition of Core Earnings and a reconciliation of GAAP to non-GAAP financial information.

**Revised Disclosure of Non-GAAP Financial Measures**

One of the company's principal business objectives is to generate net income by earning a net interest spread on its investment portfolio, which is a function of interest income from its investment portfolio less financing, hedging and operating costs. Historically, the company has presented Core Earnings as a non-GAAP measure that is defined as Comprehensive Income, excluding realized and unrealized gains or losses on the aggregate portfolio, impairment losses, amortization of business combination intangible assets, servicing reserve expenses on MSR, certain upfront costs related to securitization transactions and restructuring charges. As historically defined, Core Earnings includes interest income or expense and premium income or loss on derivative instruments and servicing income, net of estimated amortization on MSR. The company believes this presentation of Core Earnings provides investors greater transparency into the company's period-over-period financial performance and facilitates comparisons to peer mortgage REITs.

Beginning with this reporting period, the company's Core Earnings metrics will exclude the non-cash equity compensation expense associated with unvested restricted stock awards. The company believes this adjustment will provide a better reflection of the cash earnings power of the company. While non-cash equity compensation expense at times may be material, the company believes the removal of this expense from Core Earnings is appropriate because it is a non-cash expense that fluctuates quarterly based on the share price of the company's common stock. In addition, all unvested shares of the restricted stock awards granted by the company will continue to be included in the diluted share amount used to calculate Core Earnings per common share, which reflects the dilution resulting from the existence of such unvested shares.

When the company sets its dividend, management and its Board of Directors evaluate multiple factors, including near-term sustainability, Core Earnings, the ability to generate comprehensive and taxable income, and REIT compliance considerations as well as the ability to protect and grow book value per common share. Over time, dividends will be a reflection of the economic return of the business.

**Condensed Table for Historical Periods Core Earnings (unaudited)**

(dollars in thousands, except per common share data)

For the Three Months Ended	Core Earnings (Unrevised)		Core Earnings (Revised)		Change per weighted common share
	Earnings	Per weighted common share	Earnings	Per weighted common share	
March 31, 2017	\$ 91,003	\$ 0.26	\$ 94,958	\$ 0.27	\$ 0.01
December 31, 2016	\$ 83,392	\$ 0.24	\$ 86,557	\$ 0.25	\$ 0.01
September 30, 2016	\$ 82,529	\$ 0.24	\$ 85,525	\$ 0.25	\$ 0.01
June 30, 2016	\$ 76,162	\$ 0.22	\$ 80,491	\$ 0.23	\$ 0.01
March 31, 2016	\$ 71,844	\$ 0.21	\$ 74,695	\$ 0.21	\$ —
December 31, 2015	\$ 72,133	\$ 0.20	\$ 73,713	\$ 0.20	\$ —
September 30, 2015	\$ 79,416	\$ 0.22	\$ 81,078	\$ 0.22	\$ —
June 30, 2015	\$ 80,157	\$ 0.22	\$ 82,713	\$ 0.23	\$ 0.01
March 31, 2015	\$ 94,075	\$ 0.26	\$ 96,764	\$ 0.26	\$ —

## Operating Performance

The following table summarizes the company's GAAP and non-GAAP earnings measurements and key metrics for the first quarter of 2017:

### Two Harbors Investment Corp. Operating Performance (unaudited)

(dollars in thousands, except per common share data)

	Three Months Ended March 31, 2017		
	Earnings	Per weighted common share	Annualized return on average common equity
<b>Earnings</b>			
Comprehensive Income	\$ 145,747	\$ 0.42	16.9%
GAAP Net Income	\$ 71,985	\$ 0.21	8.3%
Core Earnings (revised) <sup>(1)</sup>	\$ 94,958	\$ 0.27	11.0%
<b>Operating Metrics</b>			
Dividend per common share	\$0.25		
Book value per common share at period end	\$9.91		
Other operating expenses as a percentage of average equity	1.8%		

(1) Please see page 2 for a discussion of an update to the company's Core Earnings calculation beginning with the quarter ended March 31, 2017. Please see page 14 for a reconciliation of GAAP to non-GAAP financial information.

### Earnings Summary

Two Harbors reported Comprehensive Income of \$145.7 million, or \$0.42 per weighted average common share, for the quarter ended March 31, 2017, as compared to Comprehensive Income of \$2.2 million, or \$0.01 per weighted average common share, for the quarter ended December 31, 2016. The company records unrealized fair value gains and losses on the majority of RMBS, classified as available-for-sale, in Other Comprehensive Income. On a Comprehensive Income basis, the company recognized an annualized return on average common equity of 16.9% and 0.3% for the quarters ended March 31, 2017 and December 31, 2016, respectively.

The company reported GAAP Net Income of \$72.0 million, or \$0.21 per weighted average common share, for the quarter ended March 31, 2017, as compared to GAAP Net Income of \$341.4 million, or \$0.98 per weighted average common share, for the quarter ended December 31, 2016. On a GAAP Net Income basis, the company recognized an annualized return on average common equity of 8.3% and 39.4% for the quarters ended March 31, 2017 and December 31, 2016, respectively.

For the first quarter of 2017, the company recognized:

- net realized losses on RMBS and mortgage loans held-for-sale of \$28.0 million, net of tax;
- net unrealized losses on certain RMBS and mortgage loans held-for-sale of \$1.9 million, net of tax;
- net gains of \$56.0 million, net of tax, related to swap and swaption terminations and expirations;
- net unrealized losses of \$37.6 million, net of tax, associated with interest rate swaps and swaptions economically hedging interest rate exposure (or duration);
- net realized and unrealized losses on other derivative instruments of approximately \$23.1 million, net of tax;
- net realized and unrealized gains on consolidated financing securitizations of \$6.6 million, net of tax;
- net realized and unrealized gains of \$11.5 million<sup>(2)</sup> on MSR, net of tax;
- servicing reserve release of \$1.8 million, net of tax;
- non-cash equity compensation expense of \$4.0 million, net of tax; and
- tax valuation allowance of \$4.4 million.

(2) Excludes estimated amortization of \$23.3 million, net of tax, included in Core Earnings.



The company reported Core Earnings (revised) for the quarter ended March 31, 2017 of \$95.0 million, or \$0.27 per weighted average common share outstanding, as compared to Core Earnings (revised) for the quarter ended December 31, 2016 of \$86.6 million, or \$0.25 per weighted average common share outstanding. On a Core Earnings basis, the company recognized an annualized return on average common equity of 11.0% and 10.0% for the quarters ended March 31, 2017 and December 31, 2016, respectively.

#### Other Key Metrics

Two Harbors declared a quarterly cash dividend of \$0.25 per common share for the quarter ended March 31, 2017. The annualized dividend yield on the company's common stock for the quarter, based on the December 31, 2016 closing price of \$9.59, was 10.4%.

The company's book value per common share, after taking into account the first quarter 2017 dividend of \$0.25 per common share, was \$9.91 as of March 31, 2017, compared to \$9.78 as of December 31, 2016, which represented a total return on book value for the quarter of 3.9%.<sup>(1)</sup>

Other operating expenses for the quarter ended March 31, 2017 were approximately \$16.0 million, or 1.8% of average equity, compared to approximately \$16.2 million, or 1.9% of average equity, for the quarter ended December 31, 2016.

#### ***Portfolio Summary***

The company's aggregate portfolio is principally comprised of RMBS available-for-sale securities, inverse interest-only securities (Agency Derivatives), commercial real estate assets, MSR and net economic interests in consolidated securitization trusts. As of March 31, 2017, the total value of the company's portfolio was \$20.0 billion.

The company's portfolio includes rates, credit and commercial real estate strategies. The rates strategy consisted of \$16.0 billion of Agency RMBS, Agency Derivatives and MSR as well as their associated notional hedges as of March 31, 2017. The credit strategy consisted of \$2.5 billion of non-Agency RMBS, net economic interests in consolidated securitization trusts, as well as their associated notional hedges as of March 31, 2017. The commercial strategy consisted of senior and mezzanine commercial real estate assets with an aggregate carrying value of \$1.5 billion as of March 31, 2017.

For the quarter ended March 31, 2017, the annualized yield on the company's average aggregate portfolio was 3.99% and the annualized cost of funds on the associated average borrowings, which includes net interest rate spread expense on interest rate swaps, was 1.52%. This resulted in a net interest rate spread of 2.47%.

#### RMBS and Agency Derivatives

For the quarter ended March 31, 2017, the annualized yield on average RMBS and Agency Derivatives was 3.8%, consisting of an annualized yield of 3.1% in Agency RMBS and Agency Derivatives and 9.0% in non-Agency RMBS.

The company experienced a three-month average constant prepayment rate (CPR) of 5.6% for Agency RMBS and Agency Derivatives held as of March 31, 2017, compared to 7.1% for those securities held as of December 31, 2016. The weighted average cost basis of the principal and interest Agency portfolio was 105.9% of par as of both March 31, 2017 and December 31, 2016. The net premium amortization was \$30.7 million and 28.6 million for the quarters ended March 31, 2017 and December 31, 2016, respectively.

(1) Return on book value for the quarter ended March 31, 2017 is defined as the increase in book value per common share from December 31, 2016 to March 31, 2017 of \$0.13, plus the dividend declared of \$0.25 per common share, divided by December 31, 2016 book value of \$9.78 per common share.

The company experienced a three-month average CPR of 6.7% for non-Agency principal and interest RMBS held as of March 31, 2017, as compared to 6.2% for those securities held as of December 31, 2016. The weighted average cost basis of the non-Agency portfolio was 59.5% of par as of March 31, 2017, compared to 57.9% of par as of December 31, 2016. The discount accretion was \$22.2 million for the quarter ended March 31, 2017, compared to \$20.3 million for the quarter ended December 31, 2016. The total net discount remaining was \$1.3 billion as of March 31, 2017, compared to \$1.2 billion as of December 31, 2016, with \$0.4 billion designated as credit reserve as of March 31, 2017.

As of March 31, 2017, fixed-rate investments composed 88.3% and adjustable-rate investments composed 11.7% of the company's RMBS and Agency Derivatives portfolio.

As of March 31, 2017, the company had residential mortgage loans held-for-investment with a carrying value of \$3.2 billion and the company's collateralized borrowings had a carrying value of \$2.9 billion, resulting in net economic interests in consolidated securitization trusts of \$239.8 million.

#### Mortgage Servicing Rights

As of March 31, 2017, the company held MSR on mortgage loans with UPB totaling \$68.1 billion.<sup>(1)</sup> The MSR had a fair market value of \$747.6 million, as of March 31, 2017, and the company recognized fair value losses of \$14.6 million during the quarter ended March 31, 2017.

The company does not directly service mortgage loans, but instead contracts with fully licensed subservicers to handle substantially all servicing functions for the loans underlying the company's MSR. The company recognized \$39.8 million of servicing income, \$7.8 million<sup>(1)</sup> of servicing expenses and \$2.8 million in servicing reserve release during the quarter ended March 31, 2017.

#### Commercial Real Estate

The company originates and acquires senior and mezzanine commercial real estate assets. These assets are U.S.-domiciled and are secured by a diverse mix of property types, which includes office, retail, multifamily, hotel and industrial properties. As of March 31, 2017, the company held senior, mezzanine and B-note commercial real estate assets with an aggregate carrying value of \$1.5 billion. For the quarter ended March 31, 2017, the annualized yield on commercial real estate assets was 6.2%, as compared to 6.1% for the quarter ended December 31, 2016.

(1) Excludes residential mortgage loans held-for-investment in securitization trusts for which the company is the named servicing administrator.

### Other Investments and Risk Management Derivatives

The company held \$1.0 billion notional of net short TBAs as of March 31, 2017, which are accounted for as derivative instruments in accordance with GAAP.

As of March 31, 2017, the company was a party to interest rate swaps and swaptions with a notional amount of \$22.2 billion. Of this amount, \$18.3 billion notional in swaps were utilized to economically hedge interest rate exposure (or duration), and \$3.9 billion net notional in swaptions were utilized as macroeconomic hedges.

The following tables summarize the company's investment portfolio as of March 31, 2017 and December 31, 2016:

<b>Two Harbors Investment Corp. Portfolio</b>					
(dollars in thousands)					
Portfolio Composition	As of March 31, 2017		As of December 31, 2016		
	(unaudited)		(unaudited)		
<b>Rates Strategy</b>					
<b>Agency Bonds</b>					
Fixed Rate Bonds	\$ 15,091,463	75.5%	\$ 11,196,011	71.6%	
Hybrid ARMs	28,422	0.1%	30,463	0.2%	
Total Agency	15,119,885	75.6%	11,226,474	71.8%	
Agency Derivatives	113,162	0.6%	126,599	0.8%	
Mortgage servicing rights	747,580	3.7%	693,815	4.4%	
Residential mortgage loans held-for-sale	22,862	0.1%	28,732	0.2%	
<b>Credit Strategy</b>					
<b>Non-Agency Bonds</b>					
Senior Bonds	1,410,616	7.1%	1,210,462	7.8%	
Mezzanine Bonds	784,253	3.9%	687,644	4.4%	
Non-Agency Other	3,943	—%	4,277	—%	
Total Non-Agency	2,198,812	11.0%	1,902,383	12.2%	
Net Economic Interest in Securitization <sup>(1)</sup>	239,821	1.2%	234,121	1.5%	
Residential mortgage loans held-for-sale	9,824	0.1%	11,414	0.1%	
Commercial real estate assets	1,548,603	7.7%	1,412,543	9.0%	
Aggregate Portfolio	<u>\$ 20,000,549</u>		<u>\$ 15,636,081</u>		

(1) Net economic interest in securitization consists of residential mortgage loans held-for-investment, net of collateralized borrowings in consolidated securitization trusts.

Portfolio Metrics	Three Months Ended	Three Months Ended
	March 31, 2017	December 31, 2016
	(unaudited)	(unaudited)
Annualized portfolio yield during the quarter	3.99%	3.54%
<b>Rates Strategy</b>		
Agency RMBS, Agency Derivatives and mortgage servicing rights	3.1%	2.6%
<b>Credit Strategy</b>		
Non-Agency RMBS, Legacy <sup>(1)</sup>	9.2%	9.1%
Non-Agency MBS, New issue <sup>(1)</sup>	7.1%	6.4%
Net economic interest in securitizations	11.4%	12.0%
Residential mortgage loans held-for-sale	4.3%	4.0%
Commercial Strategy	6.2%	6.1%
Annualized cost of funds on average borrowing balance during the quarter <sup>(2)</sup>	1.52%	1.17%
Annualized interest rate spread for aggregate portfolio during the quarter	2.47%	2.37%
Debt-to-equity ratio at period-end <sup>(3)</sup>	4.9:1.0	3.9:1.0

Portfolio Metrics Specific to RMBS and Agency Derivatives	As of March 31, 2017	As of December 31, 2016
	(unaudited)	(unaudited)
<b>Weighted average cost basis of principal and interest securities</b>		
Agency <sup>(4)</sup>	\$ 105.88	\$ 105.85
Non-Agency <sup>(5)</sup>	\$ 59.48	\$ 57.86
<b>Weighted average three month CPR</b>		
Agency	5.6%	7.1%
Non-Agency	6.7%	6.2%
Fixed-rate investments as a percentage of aggregate RMBS and Agency Derivatives portfolio	88.3%	86.9%
Adjustable-rate investments as a percentage of aggregate RMBS and Agency Derivatives portfolio	11.7%	13.1%

(1) Legacy non-Agency RMBS includes non-Agency bonds issued up to and including 2009. New issue non-Agency MBS includes bonds issued after 2009.

(2) Cost of funds includes interest spread expense associated with the portfolio's interest rate swaps.

(3) Defined as total borrowings to fund RMBS, commercial real estate assets, MSR and Agency Derivatives, divided by total equity.

(4) Weighted average cost basis includes RMBS principal and interest securities only. Average purchase price utilized carrying value for weighting purposes.

(5) Average purchase price utilized carrying value for weighting purposes. If current face were utilized for weighting purposes, total non-Agency MBS excluding the company's non-Agency interest-only portfolio would be \$56.93 at March 31, 2017 and \$55.46 at December 31, 2016.

“In the first quarter, we had strong performance across all of our strategies, particularly our Credit strategy,” stated Bill Roth, Two Harbors’ Chief Investment Officer. “We also completed convertible senior debt and preferred stock offerings, allowing us to opportunistically add Agency and non-Agency RMBS, while continuing to grow our MSR and CRE positions, which we believe will be accretive to the earnings power of the company.”

### Financing Summary

The company reported a debt-to-equity ratio, defined as total borrowings under repurchase agreements, FHLB advances, revolving credit facilities and convertible senior notes to fund RMBS, Agency Derivatives, commercial real estate assets and MSR divided by total equity, of 4.9:1.0 and 3.9:1.0 as of March 31, 2017 and December 31, 2016, respectively.

As of March 31, 2017, the company had outstanding \$13.6 billion of repurchase agreements funding RMBS, Agency Derivatives and commercial real estate assets with 24 different counterparties. Excluding the effect of the company’s interest rate swaps, the repurchase agreements had a weighted average borrowing rate of 1.34% as of March 31, 2017.

The company’s wholly owned subsidiary, TH Insurance Holdings Company LLC (TH Insurance), is a member of the FHLB. As a member of the FHLB, TH Insurance has access to a variety of products and services offered by the FHLB, including secured advances. As of March 31, 2017, TH Insurance had \$3.6 billion in outstanding secured advances, with a weighted average borrowing rate of 1.04%.

As of March 31, 2017, the company had outstanding \$15.0 million of short-term borrowings secured by MSR collateral under revolving credit facilities with a weighted average borrowing rate of 4.74% and remaining maturities of 262 days.

On January 19, 2017, the company closed an underwritten public offering of \$287.5 million aggregate principal amount of convertible senior notes due 2022, which included \$37.5 million aggregate principal amount sold to the underwriter of the offering pursuant to an overallotment option. The notes are unsecured, pay interest semiannually at a rate of 6.25% per annum and are convertible at the option of the holder into shares of the company's common stock. The net proceeds from the offering were approximately \$282.2 million after deducting underwriting discounts and offering expenses.

As of March 31, 2017, the company's aggregate repurchase agreements, FHLB advances, revolving credit facilities and convertible senior notes funding RMBS, Agency Derivatives, commercial real estate assets and MSR had a weighted average of 3.0 years to maturity.

The following table summarizes the company's borrowings by collateral type under repurchase agreements, FHLB advances, revolving credit facilities and convertible senior notes outstanding as of March 31, 2017 and December 31, 2016, and the related cost of funds for the three months ended March 31, 2017 and December 31, 2016:

(in thousands)	As of March 31, 2017		As of December 31, 2016	
	(unaudited)		(unaudited)	
Collateral type:				
Agency RMBS and Agency Derivatives	\$	14,531,959	\$	10,843,917
Mortgage servicing rights		15,000		70,000
Non-Agency MBS		1,390,219		1,282,524
Net economic interests in consolidated securitization trusts <sup>(1)</sup>		152,545		153,231
Commercial real estate assets		1,137,759		1,036,679
Other <sup>(2)</sup>		282,263		—
	\$	17,509,745	\$	13,386,351

Cost of Funds Metrics	Three Months Ended		Three Months Ended	
	March 31, 2017		December 31, 2016	
	(unaudited)		(unaudited)	
Annualized cost of funds on average borrowings during the quarter:				
Agency RMBS and Agency Derivatives		1.3%		1.1%
Mortgage servicing rights <sup>(3)</sup>		1.0%		0.8%
Non-Agency MBS		6.0%		5.4%
Net economic interests in consolidated securitization trusts <sup>(1)</sup>		2.8%		2.7%
Residential mortgage loans held-for-sale		2.4%		2.2%
Commercial real estate assets <sup>(3)</sup>		—%		0.7%
Other <sup>(2)(3)</sup>		2.2%		1.8%
		6.3%		—%

(1) Includes the retained interests from on-balance sheet securitizations, which are eliminated in consolidation in accordance with GAAP.

(2) Includes unsecured convertible senior notes.

(3) Includes amortization of debt issuance costs.

### Preferred Stock Offering

During the quarter, the Company issued 5,750,000 shares of 8.125% Series A fixed-to-floating rate cumulative redeemable preferred stock, par value \$0.01 per share, which included 750,000 shares sold to the underwriters of the offering pursuant to an overallotment option. Proceeds from the offering, net of offering costs, totaled \$138.9 million.

Dividends on the Series A preferred stock will accumulate and be payable from and including the date of original issue to, but not including April 27, 2027, at a fixed rate of 8.125% per annum of the \$25.00 liquidation preference. On and after April 27, 2027, dividends on the Series A preferred stock will accumulate and be payable at a percentage of the \$25.00 liquidation preference equal to an annual floating rate of three-month LIBOR plus a spread of 5.66% per annum. The preferred stock is not redeemable before April 27, 2027, except under certain limited circumstances.

## Conference Call

Two Harbors Investment Corp. will host a conference call on May 4, 2017 at 9:00 a.m. EDT to discuss first quarter 2017 financial results and related information. To participate in the teleconference, please call toll-free (877) 868-1835 (or (914) 495-8581 for international callers), conference code 2915988, approximately 10 minutes prior to the above start time. You may also listen to the teleconference live via the Internet on the company's website at [www.twoharborsinvestment.com](http://www.twoharborsinvestment.com) in the Investor Relations section under the Events and Presentations link. For those unable to attend, a telephone playback will be available beginning at 12:00 p.m. EDT on May 4, 2017, through 12:00 a.m. EST on May 11, 2017. The playback can be accessed by calling (855) 859-2056 (or (404) 537-3406 for international callers), conference code 2915988. The call will also be archived on the company's website in the Investor Relations section under the Events and Presentations link.

## Two Harbors Investment Corp.

Two Harbors Investment Corp., a Maryland corporation, is a real estate investment trust that invests in residential mortgage-backed securities, mortgage servicing rights, commercial real estate and other financial assets. Two Harbors is headquartered in New York, New York, and is externally managed and advised by PRCM Advisers LLC, a wholly owned subsidiary of Pine River Capital Management L.P. Additional information is available at [www.twoharborsinvestment.com](http://www.twoharborsinvestment.com).

## Forward-Looking Statements

This presentation includes "forward-looking statements" within the meaning of the safe harbor provisions of the United States Private Securities Litigation Reform Act of 1995. Actual results may differ from expectations, estimates and projections and, consequently, readers should not rely on these forward-looking statements as predictions of future events. Words such as "expect," "target," "assume," "estimate," "project," "budget," "forecast," "anticipate," "intend," "plan," "may," "will," "could," "should," "believe," "predicts," "potential," "continue," and similar expressions are intended to identify such forward-looking statements. These forward-looking statements involve significant risks and uncertainties that could cause actual results to differ materially from expected results, including, among other things, those described in our Annual Report on Form 10-K for the year ended December 31, 2016, and any subsequent Quarterly Reports on Form 10-Q, under the caption "Risk Factors." Factors that could cause actual results to differ include, but are not limited to: the state of credit markets and general economic conditions; changes in interest rates and the market value of our assets; changes in prepayment rates of mortgages underlying our target assets; the rates of default or decreased recovery on the mortgages underlying our target assets; the occurrence, extent and timing of credit losses within our portfolio; the concentration of credit risks we are exposed to; declines in home prices; our ability to establish, adjust and maintain appropriate hedges for the risks in our portfolio; the availability and cost of our target assets; the availability and cost of financing; changes in the competitive landscape within our industry; our ability to effectively execute and to realize the benefits of strategic transactions and initiatives we have pursued or may in the future pursue; our ability to manage various operational risks and costs associated with our business; interruptions in or impairments to our communications and information technology systems; our ability to acquire mortgage servicing rights (MSR) and successfully operate our seller-servicer subsidiary and oversee our subservicers; the impact of any deficiencies in the servicing or foreclosure practices of third parties and related delays in the foreclosure process; our exposure to legal and regulatory claims; legislative and regulatory actions affecting our business; the impact of new or modified government mortgage refinance or principal reduction programs; our ability to maintain our REIT qualification; the state of commercial real estate markets and our ability to acquire or originate commercial real estate loans or related assets; and limitations imposed on our business due to our REIT status and our exempt status under the Investment Company Act of 1940.

Readers are cautioned not to place undue reliance upon any forward-looking statements, which speak only as of the date made. Two Harbors does not undertake or accept any obligation to release publicly any updates or revisions to any forward-looking statement to reflect any change in its expectations or any change in events, conditions or circumstances on which any such statement is based. Additional information concerning these and other risk factors is contained in Two Harbors' most recent filings with the Securities and Exchange Commission (SEC). All subsequent written and oral forward-looking

statements concerning Two Harbors or matters attributable to Two Harbors or any person acting on its behalf are expressly qualified in their entirety by the cautionary statements above.

#### **Non-GAAP Financial Measures**

In addition to disclosing financial results calculated in accordance with United States generally accepted accounting principles (GAAP), this press release and the accompanying investor presentation present non-GAAP financial measures, such as Core Earnings and Core Earnings per common share, that exclude certain items. Two Harbors' management believes that these non-GAAP measures enable it to perform meaningful comparisons of past, present and future results of the company's core business operations, and uses these measures to gain a comparative understanding of the company's operating performance and business trends. The non-GAAP financial measures presented by the company represent supplemental information to assist investors in analyzing the results of its operations. However, because these measures are not calculated in accordance with GAAP, they should not be considered a substitute for, or superior to, the financial measures calculated in accordance with GAAP. The company's GAAP financial results and the reconciliations from these results should be carefully evaluated. See the GAAP to non-GAAP reconciliation table on page 13 of this release.

#### **Additional Information**

Stockholders of Two Harbors and other interested persons may find additional information regarding the company at the SEC's Internet site at [www.sec.gov](http://www.sec.gov) or by directing requests to: Two Harbors Investment Corp., Attn: Investor Relations, 590 Madison Avenue, 36th Floor, New York, NY 10022, telephone (612) 629-2500.

#### **Contact**

Tim Perrott, Senior Director of Investor Relations, Two Harbors Investment Corp., (612) 629-2514 or [tim.perrott@twoharborsinvestment.com](mailto:tim.perrott@twoharborsinvestment.com)

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**TWO HARBORS INVESTMENT CORP.**

**CONSOLIDATED BALANCE SHEETS**

(dollars in thousands, except share data)

	<b>March 31, 2017</b>	<b>December 31, 2016</b>
	(unaudited)	
<b>ASSETS</b>		
Available-for-sale securities, at fair value	\$ 17,318,697	\$ 13,128,857
Commercial real estate assets	1,548,603	1,412,543
Mortgage servicing rights, at fair value	747,580	693,815
Residential mortgage loans held-for-investment in securitization trusts, at fair value	3,181,811	3,271,317
Residential mortgage loans held-for-sale, at fair value	32,686	40,146
Cash and cash equivalents	405,110	406,883
Restricted cash	381,664	408,312
Accrued interest receivable	76,104	62,751
Due from counterparties	54,940	60,380
Derivative assets, at fair value	253,564	324,182
Other assets	270,085	302,870
<b>Total Assets</b>	<b>\$ 24,270,844</b>	<b>\$ 20,112,056</b>
<b>LIABILITIES AND STOCKHOLDERS' EQUITY</b>		
<b>Liabilities</b>		
Repurchase agreements	\$ 13,640,720	\$ 9,316,351
Collateralized borrowings in securitization trusts, at fair value	2,941,990	3,037,196
Federal Home Loan Bank advances	3,571,762	4,000,000
Revolving credit facilities	15,000	70,000
Convertible senior notes	282,263	—
Derivative liabilities, at fair value	20,363	12,501
Due to counterparties	31,301	111,884
Dividends payable	87,228	83,437
Other liabilities	77,656	79,576
<b>Total Liabilities</b>	<b>20,668,283</b>	<b>16,710,945</b>
<b>Stockholders' Equity</b>		
Preferred stock, par value \$0.01 per share; 50,000,000 shares authorized and 5,750,000 and 0 shares issued and outstanding, respectively (liquidation preference of \$143,750)	138,872	—
Common stock, par value \$0.01 per share; 900,000,000 shares authorized and 348,913,014 and 347,652,326 shares issued and outstanding, respectively	3,489	3,477
Additional paid-in capital	3,664,020	3,659,973
Accumulated other comprehensive income	272,989	199,227
Cumulative earnings	2,110,018	2,038,033
Cumulative distributions to stockholders	(2,586,827)	(2,499,599)
<b>Total Stockholders' Equity</b>	<b>3,602,561</b>	<b>3,401,111</b>
<b>Total Liabilities and Stockholders' Equity</b>	<b>\$ 24,270,844</b>	<b>\$ 20,112,056</b>



**TWO HARBORS INVESTMENT CORP.**  
**CONSOLIDATED STATEMENTS OF COMPREHENSIVE INCOME (LOSS)**

(dollars in thousands)

*Certain prior period amounts have been reclassified to conform to the current period presentation*

	<b>Three Months Ended March 31,</b>	
	<b>2017</b>	<b>2016</b>
	(unaudited)	
<b>Interest income:</b>		
Available-for-sale securities	\$ 135,573	\$ 79,428
Commercial real estate assets	23,570	11,072
Residential mortgage loans held-for-investment in securitization trusts	31,628	32,771
Residential mortgage loans held-for-sale	398	7,202
Cash and cash equivalents	453	290
Total interest income	<u>191,622</u>	<u>130,763</u>
<b>Interest expense:</b>		
Repurchase agreements	37,012	16,029
Collateralized borrowings in securitization trusts	25,386	19,359
Federal Home Loan Bank advances	8,793	5,972
Revolving credit facilities	429	—
Convertible senior notes	3,821	—
Total interest expense	<u>75,441</u>	<u>41,360</u>
Net interest income	<u>116,181</u>	<u>89,403</u>
Other-than-temporary impairment losses	—	(717)
<b>Other income (loss):</b>		
(Loss) gain on investment securities	(52,352)	29,474
Gain (loss) on interest rate swap and swaption agreements	9,927	(125,484)
(Loss) gain on other derivative instruments	(27,864)	16,015
Servicing income	39,773	34,133
Loss on servicing asset	(14,565)	(101,440)
Gain on residential mortgage loans held-for-sale	1,461	10,803
Other income	8,035	2,827
Total other loss	<u>(35,585)</u>	<u>(133,672)</u>
<b>Expenses:</b>		
Management fees	11,470	12,044
Servicing expenses	5,620	7,861
Securitization deal costs	—	3,732
Other operating expenses	16,037	14,856
Total expenses	<u>33,127</u>	<u>38,493</u>
<b>Income (loss) before income taxes</b>	<u>47,469</u>	<u>(83,479)</u>
(Benefit from) provision for income taxes	(24,516)	5,451
<b>Net income (loss)</b>	<u>\$ 71,985</u>	<u>\$ (88,930)</u>
Basic and diluted earnings (loss) per weighted average common share	<u>\$ 0.21</u>	<u>\$ (0.25)</u>
Dividends declared per common share	<u>\$ 0.25</u>	<u>\$ 0.23</u>
Basic and diluted weighted average number of shares of common stock outstanding	<u>348,563,930</u>	<u>349,436,015</u>

**TWO HARBORS INVESTMENT CORP.**

**CONSOLIDATED STATEMENTS OF COMPREHENSIVE INCOME (LOSS), continued**

(dollars in thousands)

*Certain prior period amounts have been reclassified to conform to the current period presentation*

	<b>Three Months Ended March 31,</b>	
	<b>2017</b>	<b>2016</b>
	(unaudited)	
<b>Comprehensive income (loss):</b>		
<b>Net income (loss)</b>	\$ 71,985	\$ (88,930)
<b>Other comprehensive income, net of tax:</b>		
Unrealized gain on available-for-sale securities	73,762	21,345
Other comprehensive income	73,762	21,345
<b>Comprehensive income (loss)</b>	<b>\$ 145,747</b>	<b>\$ (67,585)</b>

**TWO HARBORS INVESTMENT CORP.**

**RECONCILIATION OF GAAP TO NON-GAAP FINANCIAL INFORMATION**

(dollars in thousands, except share data)

*Certain prior period amounts have been reclassified to conform to the current period presentation*

	<b>Three Months Ended March 31,</b>	
	<b>2017</b>	<b>2016</b>
	(unaudited)	
Reconciliation of Comprehensive income (loss) to Core Earnings (revised):		
Comprehensive income (loss)	\$ 145,747	\$ (67,585)
Adjustment for other comprehensive income:		
Unrealized gain on available-for-sale securities	(73,762)	(21,345)
Net income (loss)	\$ 71,985	\$ (88,930)
Adjustments for non-core earnings (revised):		
Loss (gain) on sale of securities and residential mortgage loans held-for-sale, net of tax	28,018	(16,749)
Unrealized loss (gain) on securities and residential mortgage loans held-for-sale, net of tax	1,879	(14,103)
Other-than-temporary impairment loss, net of tax	—	717
Realized gains on termination or expiration of swaps and swaptions, net of tax	(56,001)	(9,586)
Unrealized losses on interest rate swaps and swaptions economically hedging interest rate exposure (or duration), net of tax	37,642	134,942
Loss (gain) on other derivative instruments, net of tax	23,081	(9,393)
Realized and unrealized gains on financing securitizations, net of tax	(6,614)	(1,478)
Realized and unrealized (gain) loss on mortgage servicing rights, net of tax	(11,503)	73,661
Securitization deal costs, net of tax	—	2,426
Change in servicing reserves, net of tax	(1,835)	337
Non-cash equity compensation expense <sup>(1)</sup>	3,955	2,851
Tax valuation allowance	4,351	—
Core Earnings (revised) <sup>(2)</sup>	\$ 94,958	\$ 74,695
Weighted average common shares outstanding	348,563,930	349,436,015
Core Earnings (revised) per weighted average common share outstanding	\$ 0.27	\$ 0.21

(1) This non-cash equity compensation expense was included in Core Earnings for periods ending prior to March 31, 2017. Please see page 2 for a further discussion of an update to the company's Core Earnings calculation beginning with the quarter ended March 31, 2017.

(2) Core Earnings is a non-U.S. GAAP measure that we define as Comprehensive Income (Loss), excluding "realized gains and losses" (impairment losses, realized gains or losses on the aggregate portfolio, reserve expense for representation and warranty obligations on MSR, certain upfront costs related to securitization transactions and restructuring charges) and "unrealized mark-to-market gains and losses" (unrealized gains and losses on the aggregate portfolio). As defined, Core Earnings includes interest income or expense and premium income or loss on derivative instruments and servicing income, net of estimated amortization on MSR. Beginning with this reporting period, Core Earnings also excludes non-cash compensation expense related to restricted common stock, as the company believes this adjustment will provide a better reflection of the cash earnings power of the Company. The company believes the presentation of Core Earnings provides investors greater transparency into the Company's period-over-period financial performance and facilitates comparisons to peer REITs.

**TWO HARBORS INVESTMENT CORP.**  
**SUMMARY OF QUARTERLY CORE EARNINGS (revised)**

(dollars in millions, except per share data)

*Certain prior period amounts have been reclassified to conform to the current period presentation*

	Three Months Ended				
	March 31, 2017	December 31, 2016	September 30, 2016	June 30, 2016	March 31, 2016
	(unaudited)				
<b>Net Interest Income:</b>					
Interest income	\$ 191.6	\$ 179.1	\$ 168.9	\$ 154.8	\$ 130.8
Interest expense	75.4	66.2	60.4	54.0	41.4
Net interest income	116.2	112.9	108.5	100.8	89.4
<b>Other income:</b>					
Interest spread on interest rate swaps	(7.9)	(2.9)	(4.3)	(7.7)	(6.2)
Interest spread on other derivative instruments	3.8	4.1	3.7	5.0	5.4
Servicing income, net of amortization <sup>(1)</sup>	13.2	(0.4)	5.4	11.3	17.9
Other income	1.5	1.7	1.5	1.4	1.3
Total other income	10.6	2.5	6.3	10.0	18.4
Expenses	32.0	32.3	31.2	32.3	31.4
Core Earnings (revised) before income taxes	94.8	83.1	83.6	78.5	76.4
Income tax (benefit) expense	(0.2)	(3.5)	(1.9)	(2.0)	1.7
<b>Core Earnings (revised)<sup>(2)</sup></b>	<b>\$ 95.0</b>	<b>\$ 86.6</b>	<b>\$ 85.5</b>	<b>\$ 80.5</b>	<b>\$ 74.7</b>
Basic and diluted weighted average Core EPS (revised)	\$ 0.27	\$ 0.25	\$ 0.25	\$ 0.23	\$ 0.21

(1) Amortization refers to the portion of change in fair value of MSR primarily attributed to the realization of expected cash flows (runoff) of the portfolio. This amortization has been deducted from Core Earnings. Amortization of MSR is deemed a non-GAAP measure due to the company's decision to account for MSR at fair value.

(2) Core Earnings is a non-GAAP measure. Please see page 2 for a discussion of an update to the company's Core Earnings calculation beginning with the quarter ended March 31, 2017. Please see page 14 for a definition of Core Earnings and a reconciliation of GAAP to non-GAAP financial information.



# First Quarter 2017 Earnings Call

MAY 4, 2017



**TWO HARBORS**  
Investment Corp.

A Pine River Capital Managed Company



# Safe Harbor Statement



## FORWARD-LOOKING STATEMENTS

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This presentation may include industry and market data obtained through research, surveys, and studies conducted by third parties and industry publications. We have not independently verified any such market and industry data from third-party sources. This presentation is provided for discussion purposes only and may not be relied upon as legal or investment advice, nor is it intended to be inclusive of all the risks and uncertainties that should be considered. This presentation does not constitute an offer to purchase or sell any securities, nor shall it be construed to be indicative of the terms of an offer that the parties or their respective affiliates would accept.

Readers are advised that the financial information in this presentation is based on company data available at the time of this presentation and, in certain circumstances, may not have been audited by the company's independent auditors.

# Financial Summary<sup>(1)</sup>



## ON TRACK TO DELIVER STRONGER EARNINGS IN 2017

### QUARTERLY HIGHLIGHTS

- Total return on book value of 3.9%<sup>(2)</sup>
  - Book value of \$9.91 per common share and cash dividend of \$0.25 per common share
- Comprehensive Income of \$145.7 million, or \$0.42 per common share
- GAAP net income of \$72.0 million, or \$0.21 per common share
- Core Earnings (revised)<sup>(3)</sup> of \$95.0 million, or \$0.27 per common share
- Completed underwritten public offering of \$287.5 million aggregate principal amount of 6.25% convertible senior notes due 2022
- Issued 5,750,000 shares of 8.125% Series A fixed-to-floating rate cumulative redeemable preferred stock for proceeds, net of offering costs, of \$138.9 million

(1) Except as otherwise indicated in this presentation, reported data is as of or for the period ended March 31, 2017.

(2) See Appendix slide 14 for calculation of Q1-2017 return on book value.

(3) Core Earnings is a non-GAAP measure. Please see slide 17 for a discussion of an update to the company's Core Earnings calculation as of March 31, 2017. Please see Appendix slide 17 of this presentation for a definition of Core Earnings and a reconciliation of GAAP to non-GAAP financial information.

## Strategic Overview



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### INCREASING EARNINGS POTENTIAL WHILE MAINTAINING RISK MANAGEMENT APPROACH

- Attractive investment opportunities in target assets
- More efficient business model
- Sophisticated approach to risk management
- Opportunistic expansion of capital structure



# Book Value



(Dollars in millions, except per share data)	Q4-2016 Book Value	Q4-2016 Book Value per share	Q1-2017 Book Value	Q1-2017 Book Value per share
<b>Beginning common stockholders' equity</b>	<b>\$3,478.2</b>	<b>\$10.01</b>	<b>\$3,401.1</b>	<b>\$9.78</b>
GAAP Net Income:				
Core Earnings (revised), net of tax <sup>(1)</sup>	86.6		95.0	
Realized gains and losses, net of tax	(64.7)		42.4	
Unrealized mark-to-market gains and losses, net of tax	319.5		(65.4)	
Other comprehensive (loss) income	(339.2)		73.7	
Dividend declaration	(83.4)		(87.2)	
Other	4.0		4.0	
<b>Balance before capital transactions</b>	<b>3,401.0</b>		<b>3,463.6</b>	
Preferred stock issuance costs	—		(4.9)	
Issuance of common stock, net of offering costs	0.1		0.1	
<b>Ending common stockholders' equity</b>	<b>\$3,401.1</b>	<b>\$9.78</b>	<b>\$3,458.8</b>	<b>\$9.91</b>
Series A preferred stock liquidation preference	n/a		143.8	
<b>Ending total stockholders' equity</b>	<b>\$3,401.1</b>		<b>\$3,602.6</b>	

**Comprehensive  
Income (GAAP)**  
Q1-2017  
Comprehensive  
Income of \$145.7  
million.

Declared Q1-2017  
dividend of \$0.25  
per common share.

(1) Please see slide 17 for a discussion of an update to the company's Core Earnings calculation as of March 31, 2017. Please see Appendix slide 18 for a definition of Core Earnings and a reconciliation of GAAP to non-GAAP financial information.

# Core Earnings Summary<sup>(1)</sup>



## Q1-2017 FINANCIAL SUMMARY

(Dollars in millions)	Q4-2016	Q1-2017	Variance (\$)
Interest income	\$179.1	\$191.6	\$12.5
Interest expense	66.2	75.4	(9.2)
Net interest income	112.9	116.2	3.3
Loss on swaps and swaptions	(2.9)	(7.9)	(5.0)
Gain on other derivatives	4.1	3.8	(0.3)
Servicing income, net of amortization on MSR	(0.4)	13.2	13.6
Other	1.7	1.5	(0.2)
Total other income	2.5	10.6	8.1
Expenses	32.3	32.0	0.3
Benefit from income taxes	(3.5)	(0.2)	(3.3)
Core Earnings (revised) <sup>(1)</sup>	\$86.6	\$95.0	\$8.4
Basic and diluted weighted average Core EPS	\$0.25	\$0.27	\$0.02

- Net interest income increased quarter-over-quarter
  - RMBS purchases at higher yields
  - CRE portfolio growth
  - Higher average leverage
- Higher net servicing revenue driven primarily by portfolio growth and lower prepayments
- Other operating expenses decreased quarter-over-quarter
  - Expect expense ratio to stabilize in 1.6%-1.8% range
- Revised core earnings definition excludes non-cash equity compensation expense

	Core Earnings (unrevised)	Core Earnings (revised)
Q1-2017	\$ 0.26	\$ 0.27
Q4-2016	\$ 0.24	\$ 0.25

Increase of 9.7%

(1) Core Earnings is a non-GAAP measure. Please see slide 17 for a discussion of an update to the company's Core Earnings calculation as of March 31, 2017. Please see Appendix slide 18 for a definition of Core Earnings and a reconciliation of GAAP to non-GAAP financial information.



## Diversified Financing Profile

### REPURCHASE AGREEMENTS

- Outstanding borrowings of \$13.6 billion with 24 active counterparties; 31 total counterparties
- Repo markets functioning efficiently for RMBS

### FEDERAL HOME LOAN BANK OF DES MOINES

- Outstanding secured advances of \$3.6 billion
- Weighted average borrowing rate of 1.04%

### FINANCING FOR MSR

- Outstanding borrowings of \$15.0 million under revolving credit facilities
- Additional available capacity of \$55.0 million as of March 31, 2017
- Post quarter-end, additional \$20.0 million of capacity added

### FINANCING FOR COMMERCIAL REAL ESTATE ASSETS

- Outstanding borrowings under repurchase agreements of \$478.8 million with three financing facilities
  - Expanded the maximum borrowing capacity of one facility from \$250 million to \$400 million
  - Subsequent to quarter-end, closed on additional financing facility

### CONVERTIBLE DEBT ISSUANCE

- \$287.5 million principal amount of unsecured senior convertible notes due 2022
- Majority of proceeds used to help fund MSR

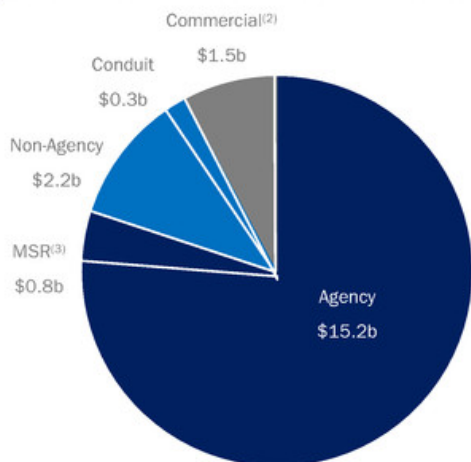
# Portfolio Composition



## DIVERSIFIED CAPITAL ALLOCATION

### PORTFOLIO COMPOSITION<sup>(1)</sup>

\$20.0 BILLION PORTFOLIO AS OF MARCH 31, 2017



Rates<sup>(4)</sup> \$1.6b
  Credit<sup>(5)</sup> \$2.5b
  Commercial<sup>(2)</sup> \$1.5b

### HISTORICAL CAPITAL ALLOCATION

	March 31, 2016	December 31, 2016	March 31, 2017
<b>Rates<sup>(4)</sup></b>	56%	58%	58%
<b>Credit<sup>(5)</sup></b>	33%	27%	27%
<b>Commercial<sup>(2)</sup></b>	11%	15%	15%

(1) For additional detail on the portfolio, see Appendix slides 19-24.

(2) Commercial consists of senior, mezzanine and B-note commercial real estate debt and related instruments.

(3) MSR includes Ginnie Mae buyout residential mortgage loans.

(4) Assets in "Rates" include Agency RMBS, Agency Derivatives, MSR and Ginnie Mae buyout residential mortgage loans.

(5) Assets in "Credit" include non-Agency MBS, net economic interests in securitization trusts, prime jumbo residential mortgage loans and credit sensitive residential mortgage loans.

# Portfolio Performance



## DRIVING SUPERIOR PORTFOLIO PERFORMANCE

### Q1-2017 PERFORMANCE SUMMARY

#### RATES

- Interest rates less volatile
- Agency RMBS prices relatively flat
- MSR benefited from seasonally lower prepayment speeds

#### CREDIT

- Mortgage credit spreads tightened
- Underlying residential credit environment continued to improve

#### COMMERCIAL

- Continued strong portfolio performance

### PORTFOLIO METRICS

Three Months Ended	December 31, 2016	March 31, 2017
<b>Annualized portfolio yield during the quarter</b>	<b>3.54%</b>	<b>3.99%</b>
<b>Rates</b>		
Agency RMBS, Agency Derivatives and MSR	2.6%	3.1%
<b>Credit</b>		
Non-Agency RMBS, Legacy <sup>(1)</sup>	9.1%	9.2%
Non-Agency MBS, New issue <sup>(1)</sup>	6.4%	7.1%
Net economic interest in securitization trusts	12.0%	11.4%
Residential mortgage loans held-for-sale	4.0%	4.3%
<b>Commercial<sup>(3)</sup></b>	<b>6.1%</b>	<b>6.2%</b>
<b>Annualized cost of funds on average repurchase and advance balance during the quarter<sup>(2)</sup></b>	<b>1.17%</b>	<b>1.52%</b>
<b>Annualized interest rate spread for aggregate portfolio during the quarter</b>	<b>2.37%</b>	<b>2.47%</b>

(1) "Legacy" non-Agency RMBS includes non-Agency bonds issued up to and including 2009. "New issue" non-Agency MBS includes bonds issued after 2009.

(2) Cost of funds includes interest spread expense associated with the portfolio's interest rate swaps.

(3) Commercial consists of senior, mezzanine and B-note commercial real estate debt and related instruments.

## Rates Update



### MSR INTEGRAL COMPONENT OF RATES STRATEGY

#### SENSIBLE APPROACH TO RISK MANAGEMENT

- Low interest rate exposure
- Utilize a combination of hedging tools
- MSR is a key component of hedging strategy

#### PORTFOLIO SUMMARY

- Agency RMBS holdings of \$15.2 billion
  - Increase in Agency RMBS from initially deploying proceeds from the capital raises in the first quarter; plan to redeploy those proceeds into MSR and commercial real estate assets
- MSR portfolio of approximately \$750 million in fair market value
  - Added \$7.4 billion UPB of new issue, high quality MSR from flow-sale arrangements in the first quarter
  - Expect near-term flow MSR volume of approximately \$2.0-2.5 billion UPB per month
  - Subsequent to quarter-end, agreed to purchase approximately \$12 billion UPB of new issue, conventional MSR subject to GSE transfer approval



### CONTINUED IMPROVEMENT OF UNDERLYING RESIDENTIAL CREDIT ENVIRONMENT

#### RESIDENTIAL CREDIT TAILWINDS

- Legacy RMBS prices increased in the first quarter but significant opportunity remains
- Home prices continue to improve; CoreLogic Home Price Index up 7.0% on a rolling 12-month basis<sup>(1)</sup>
- Prepayments higher year-over-year
  - TWO's 1Q-17 three month CPR of 6.7%, compared to 1Q-16 three month CPR of 5.3%
- Future upside driven by increasing prepays, lower delinquencies/defaults and severities

#### PORTFOLIO SUMMARY

- Legacy non-Agency RMBS holdings of \$2.2 billion
- Opportunistically purchased approximately \$340 million of legacy non-Agency RMBS
- Average market price of \$75.38 allows ability to capture upside opportunity<sup>(2)</sup>

(1) Source: CoreLogic Home Price Index rolling 12-month change as of February 2017.

(2) Weighted average market price utilized current face for weighting purposes. Please see slide 23 in the Appendix for more information on our non-Agency RMBS portfolio.

# Commercial Real Estate Update

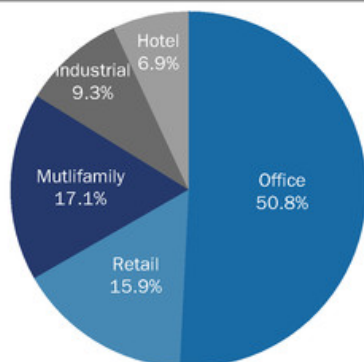


## SIGNIFICANT OPPORTUNITY FOR LENDING

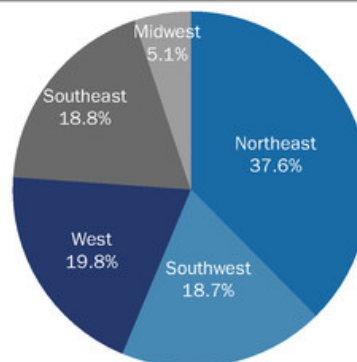
### PORTFOLIO SUMMARY

- Aggregate portfolio carrying value of \$1.5 billion at March 31, 2017
  - 40 assets with an average loan size of \$39.0 million
- Weighted average stabilized loan-to-value (LTV) of 64.0%<sup>(1)</sup>; weighted average spread of LIBOR plus 478 basis points
- Strong pipeline of loans; subsequent to quarter-end approximately \$300 million<sup>(2)</sup> UPB closed or under contract

### PORTFOLIO BY PROPERTY TYPE



### PORTFOLIO BY GEOGRAPHY



(1) Stabilized LTV considers the prospective market value "as stabilized" which reflects the property's market value as of the time the property is projected to achieve stabilized occupancy. Stabilized occupancy is the occupancy level that a property is expected to achieve after the property is exposed to the market for lease over a reasonable period of time and at comparable terms and conditions to other similar properties.

(2) As of May 1, 2017.





## Appendix



**TWO HARBORS**  
Investment Corp.  
A Pine River Capital Managed Company



## Return on Book Value



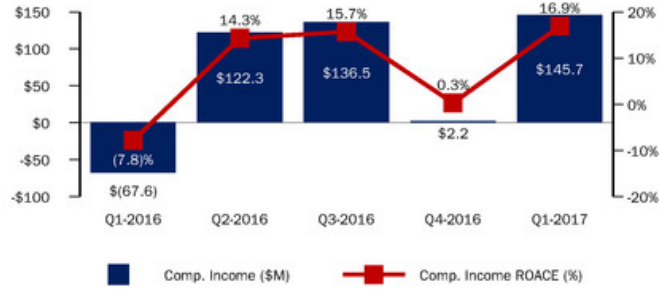
Return on common book value Q1-2017	
(Per common share amounts, except for percentage)	
Book value at December 31, 2016	\$9.78
Book value at March 31, 2017	9.91
Increase in book value	0.13
Dividends declared in Q1-2017	0.25
Return on book value Q1-2017	\$0.38
Percent return on book value Q1-2017 <sup>(1)</sup>	3.9%

(1) Return on book value for three-month period ended March 31, 2017 is defined as the increase in book value per common share from December 31, 2016 to March 31, 2017 of \$0.13 per common share, plus dividends declared of \$0.25 per common share, divided by December 31, 2016 book value of \$9.78 per common share.

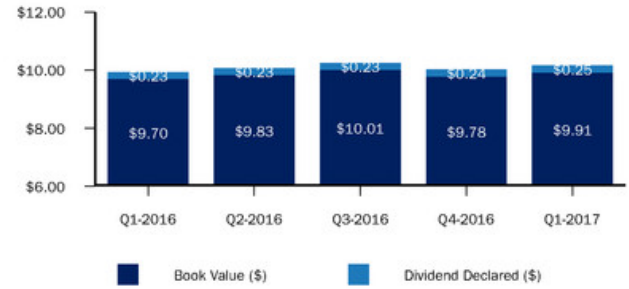
# Financial Performance



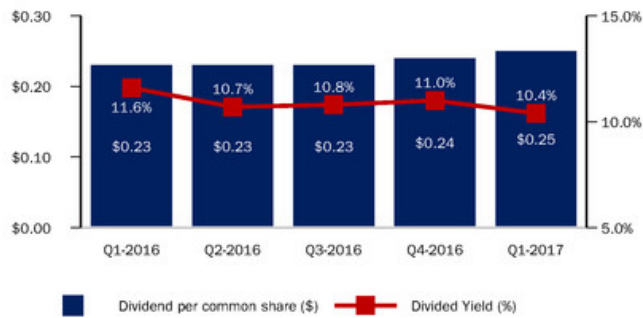
## COMPREHENSIVE (LOSS) INCOME



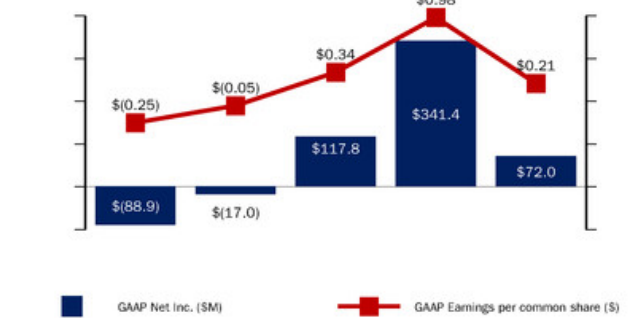
## BOOK VALUE AND DIVIDEND PER COMMON SHARE<sup>(1)</sup>



## DIVIDENDS<sup>(1)</sup>



## GAAP NET INCOME (LOSS)



(1) Historical dividends may not be indicative of future dividend distributions. The company ultimately distributes dividends based on its taxable income per common share, not GAAP earnings. The annualized dividend yield on the company's common stock is calculated based on the closing price of the last trading day of the relevant quarter.

# Operating Performance



(In millions, except for per common share data)	Q4-2016				Q1-2017			
	Core Earnings (revised) <sup>(1)</sup>	Realized Gains (Losses)	Unrealized MTM	Total	Core Earnings (revised) <sup>(1)</sup>	Realized Gains (Losses)	Unrealized MTM	Total
Interest income	\$179.1	\$—	\$—	\$179.1	\$191.6	\$—	\$—	\$191.6
Interest expense	66.2	—	—	66.2	75.4	—	—	75.4
Net interest income	112.9	—	—	112.9	116.2	—	—	116.2
Gain (loss) on investment securities	—	(189.6)	16.1	(173.5)	—	(50.4)	(1.9)	(52.3)
(Loss) gain on interest rate swaps and swaptions	(2.9)	37.6	143.3	178.0	(7.9)	66.0	(48.2)	9.9
Gain (loss) on other derivative instruments	4.1	99.8	39.5	143.4	3.8	28.1	(59.8)	(27.9)
Servicing income	35.0	—	—	35.0	39.8	—	—	39.8
(Loss) gain on servicing asset	(35.4)	(2.7)	166.0	127.9	(26.6)	0.3	11.7	(14.6)
Gain (loss) on residential mortgage loans held-for-sale	—	0.4	(2.0)	(1.6)	—	1.4	0.1	1.5
Other income (loss)	1.7	(5.6)	(1.1)	(5.0)	1.5	(2.0)	8.5	8.0
Total other income (loss)	2.5	(60.1)	361.8	304.2	10.6	43.4	(89.6)	(35.6)
Management fees & other operating expenses	32.3	5.0	—	37.3	32.0	1.1	—	33.1
Net income (loss) before income taxes	83.1	(65.1)	361.8	379.8	94.8	42.3	(89.6)	47.5
Income tax (benefit) expense	(3.5)	(0.4)	42.3	38.4	(0.2)	(0.1)	(24.2)	(24.5)
<b>Net income (loss)</b>	<b>\$86.6</b>	<b>(\$64.7)</b>	<b>\$319.5</b>	<b>\$341.4</b>	<b>\$95.0</b>	<b>\$42.4</b>	<b>(\$65.4)</b>	<b>\$72.0</b>
Weighted average earnings per common share	\$0.25	(\$0.19)	\$0.92	\$0.98	\$0.27	\$0.12	(\$0.18)	\$0.21

(1) Core Earnings (revised) is a non-GAAP measure. Please see slide 17 for a discussion of an update to our Core Earnings calculation as of March 31, 2017. Please see Appendix slide 18 of this presentation for a definition of Core Earnings and a reconciliation of GAAP to non-GAAP financial information.

# Updated Disclosure of Non-GAAP Financial Measures



## Updated Disclosure of Non-GAAP Financial Measures

One of the company's principal business objectives is to generate net income by earning a net interest spread on its investment portfolio, which is a function of interest income from its investment portfolio less financing, hedging and operating costs. Historically, the company has presented Core Earnings as a non-GAAP measure that is defined as Comprehensive Income, excluding realized and unrealized gains or losses on the aggregate portfolio, impairment losses, amortization of business combination intangible assets, servicing reserve expenses on MSR, certain upfront costs related to securitization transactions and restructuring charges. As historically defined, Core Earnings includes interest income or expense and premium income or loss on derivative instruments and servicing income, net of estimated amortization on MSR. The company believes this presentation of Core Earnings provides investors greater transparency into the company's period-over-period financial performance and facilitates comparisons to peer mortgage REITs.

Beginning with this reporting period, the company's Core Earnings metrics will exclude the non-cash equity compensation expense associated with unvested restricted stock awards. The company believes this adjustment will provide a better reflection of the cash earnings power of the company. While non-cash equity compensation expense at times may be material, the company believes the removal of this expense from Core Earnings is appropriate because it is a non-cash expense that fluctuates quarterly based on the share price of the company's common stock. In addition, all unvested shares of the restricted stock awards granted by the company will continue to be included in the diluted share amount used to calculate Core Earnings per common share, which reflects the dilution resulting from the existence of such unvested shares.

When the company sets its dividend, management and its Board of Directors evaluate multiple factors, including near-term sustainability, Core Earnings, the ability to generate comprehensive and taxable income, and REIT compliance considerations as well as the ability to protect and grow book value per common share. Over time, dividends will be a reflection of the economic return of the business.

Condensed Table for Historical Periods Core Earnings (unaudited)

(dollars in thousands, except per common share data)

For the Three Months Ended	Core Earnings (Unrevised)		Core Earnings (Revised)		Change per weighted common share
	Earnings	Per weighted common share	Earnings	Per weighted common share	
March 31, 2017	\$ 91,003	\$ 0.26	\$ 94,958	\$ 0.27	\$ 0.01
December 31, 2016	\$ 83,392	\$ 0.24	\$ 86,557	\$ 0.25	\$ 0.01
September 30, 2016	\$ 82,529	\$ 0.24	\$ 85,525	\$ 0.25	\$ 0.01
June 30, 2016	\$ 76,162	\$ 0.22	\$ 80,491	\$ 0.23	\$ 0.01
March 31, 2016	\$ 71,844	\$ 0.21	\$ 74,695	\$ 0.21	\$ —
December 31, 2015	\$ 72,133	\$ 0.20	\$ 73,713	\$ 0.20	\$ —
September 30, 2015	\$ 79,416	\$ 0.22	\$ 81,078	\$ 0.22	\$ —
June 30, 2015	\$ 80,157	\$ 0.22	\$ 82,713	\$ 0.23	\$ 0.01
March 31, 2015	\$ 94,075	\$ 0.26	\$ 96,764	\$ 0.26	\$ —

# GAAP to Core Earnings Reconciliation<sup>(1)</sup>



Reconciliation of GAAP to non-GAAP Information (In thousands, except for per common share data)	Three Months Ended December 31, 2016	Three Months Ended March 31, 2017
Reconciliation of Comprehensive income to Core Earnings (revised):		
<b>Comprehensive income</b>	<b>\$2,187</b>	<b>\$145,747</b>
Adjustment for other comprehensive (income) loss:		
Unrealized (gain) loss on available-for-sale securities	339,216	(73,762)
<b>Net income</b>	<b>\$341,403</b>	<b>\$71,985</b>
Adjustments for non-core earnings (revised):		
Losses on sale of securities and residential mortgage loans, net of tax	158,026	28,018
Unrealized (gain) loss on securities and residential mortgage loans held-for-sale, net of tax	(14,794)	1,879
Unrealized (gain) loss on interest rate swaps and swaptions hedging interest rate exposure (or duration), net of tax	(138,488)	37,642
Realized gains on termination or expiration of swaps and swaptions, net of tax	(40,793)	(56,001)
(Gain) loss on other derivative instruments, net of tax	(87,772)	23,081
Realized and unrealized loss (gain) on financing securitizations, net of tax	6,661	(6,614)
Realized and unrealized gains on mortgage servicing rights, net of tax	(142,677)	(11,503)
Securitization deal costs, net of tax	(58)	—
Change in servicing reserves, net of tax	83	(1,835)
Non-cash equity compensation expense <sup>(2)</sup>	3,165	3,955
Tax valuation allowance	—	4,351
Restructuring charges	1,801	—
<b>Core Earnings (revised)</b>	<b>\$86,557</b>	<b>\$94,958</b>
Weighted average common shares outstanding	347,643,257	348,563,930
<b>Core Earnings (revised) per weighted average common share outstanding</b>	<b>\$0.25</b>	<b>\$0.27</b>

(1) Core Earnings is a non-U.S. GAAP measure that the company defines as Comprehensive Income (Loss), excluding "realized gains and losses" (impairment losses, realized gains or losses on the aggregate portfolio, reserve expense for representation and warranty obligations on MSR, certain upfront costs related to securitization transactions, compensation expense related to restricted common stock and restructuring charges) and "unrealized mark-to-market gains and losses" (unrealized gains and losses on the aggregate portfolio). As defined, Core Earnings includes Interest Income or expense and premium Income or loss on derivative instruments and servicing Income, net of estimated amortization on MSR. Beginning with this reporting period, Core Earnings also excludes non-cash compensation expense related to restricted common stock, as the company believes this adjustment will provide a better reflection of the cash earnings power of the Company. We believe the presentation of Core Earnings provides investors greater transparency into the Company's period-over-period financial performance and facilitates comparisons to peer REITs. Please see slide 17 for a discussion of an update to our Core Earnings calculation as of March 31, 2017.

(2) This non-cash equity compensation expense was included in Core Earnings for periods ending prior to March 31, 2017. Please see slide 17 for a further discussion of an update to the company's Core Earnings calculation beginning with the quarter ended March 31, 2017.



## Rates: Agency RMBS Metrics

### AGENCY PORTFOLIO YIELDS AND METRICS

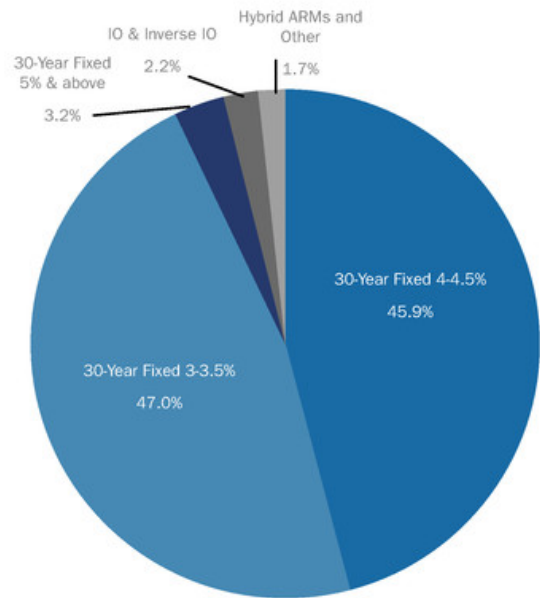
Portfolio Yield	Realized Q4-2016	At December 31, 2016	Realized Q1-2017	At March 31, 2017
Agency yield	3.0%	3.1%	3.1%	3.1%
Repo and FHLB costs	0.8%	0.9%	1.0%	1.1%
Swap costs	0.1%	0.2%	0.3%	0.2%
Net interest spread	2.1%	2.0%	1.8%	1.8%

Portfolio Metrics	Q4-2016	Q1-2017
Weighted average 3-month CPR <sup>(1)</sup>	7.1%	5.6%
Weighted average cost basis <sup>(2)</sup>	\$105.9	\$105.9

### AGENCY RMBS CPR<sup>(1)</sup>



### AGENCY PORTFOLIO COMPOSITION



(1) Agency weighted average 3-month Constant Prepayment Rate (CPR) includes IIOs (or Agency Derivatives).

(2) Weighted average cost basis includes RMBS principal and interest securities only. Average purchase price utilized carrying value for weighting purposes.

## Rates: Agency RMBS



As of March 31, 2017	Par Value (\$M)	Market Value (\$M)	% Prepay Protected <sup>(1)</sup>	Amortized Cost Basis (\$M)	Weighted Average Coupon	Weighted Average Age (Months)
<b>30-Year fixed</b>						
3.0-3.5%	\$7,005	\$7,150	53.2%	\$7,244	3.4%	6
4.0-4.5%	6,542	6,995	96.2%	7,008	4.2%	23
≥ 5.0%	434	487	100.0%	468	5.5%	99
	13,981	14,632	75.3%	14,720	3.9%	17
<b>Hybrid ARMs</b>	27	28	—%	28	5.0%	157
<b>Other</b>	238	235	0.7%	232	4.7%	144
<b>IOs and IIOs</b>	3,747	338 <sup>(2)</sup>	—%	347	3.3%	96
<b>Total</b>	<b>\$17,993</b>	<b>\$15,233</b>	<b>72.4%</b>	<b>\$15,327</b>		

(1) Includes securities with implicit or explicit protection including lower loan balances (securities collateralized by loans less than or equal to \$175K of initial principal balance), higher LTVs (securities collateralized by loans with greater than or equal to 80% LTV), certain geographic concentrations and lower FICO scores.

(2) Represents market value of \$224.5 million of IOs and \$113.2 million of Agency Derivatives.



## Rates: Mortgage Servicing Rights<sup>(1)</sup>



	As of December 31, 2016	As of March 31, 2017
<b>Fair value (\$M)</b>	\$693.8	\$747.6
<b>Unpaid principal balance (\$M)</b>	\$62,828.0	\$68,128.0
<b>Weighted average coupon</b>	3.8%	3.9%
<b>Original FICO score<sup>(2)</sup></b>	756	755
<b>Original LTV</b>	73%	73%
<b>60+ day delinquencies</b>	0.3%	0.2%
<b>Net servicing spread</b>	25.3 basis points	25.3 basis points
<b>Vintage:</b>		
Pre-2009	0.5%	0.4%
2009-2012	23.4%	20.9%
Post 2012	76.1%	78.7%
<b>Percent of MSR portfolio:</b>		
Conventional	99.9%	99.9%
Government FHA	0.1%	0.1%

(1) Excludes residential mortgage loans held-for-investment in securitization trusts for which the company is the named servicing administrator.

(2) FICO represents a mortgage industry accepted credit score of a borrower.

# Credit: Non-Agency MBS Metrics



## NON-AGENCY PORTFOLIO YIELDS AND METRICS

Portfolio Yield	Realized Q4-2016	At December 31, 2016	Realized Q1-2017	At March 31, 2017
Non-Agency yield	8.7%	9.3%	9.0%	9.0%
Repo and FHLB costs	2.7%	2.6%	2.8%	2.8%
Swap costs	0.2%	0.2%	0.1%	0.1%
Net interest spread	5.8%	6.5%	6.1%	6.1%

## NON-AGENCY MBS CPR



## NON-AGENCY PORTFOLIO COMPOSITION

Non-Agency: Loan Type	December 31, 2016	March 31, 2017
Sub-prime	71%	74%
Option-ARM	7%	8%
Prime	3%	2%
Alt-A	8%	8%
Other	11%	8%
<b>Portfolio Metrics</b>	<b>Q4-2016</b>	<b>Q1-2017</b>
Weighted average 3-month CPR	6.2%	6.7%
Weighted average cost basis <sup>(1)</sup>	\$57.9	\$59.5

(1) Weighted average cost basis includes MBS principal and interest securities only. Average purchase price utilized carrying value for weighting purposes. If current face were utilized for weighting purposes, total non-Agency MBS excluding the company's non-Agency interest-only portfolio would have been \$56.93 at March 31, 2017.

## Credit: Non-Agency MBS



As of March 31, 2017	Senior Bonds	Mezzanine Bonds	Total P&I
<b>Portfolio characteristics:</b>			
Carrying value (\$M)	\$1,410.6	\$784.3	\$2,194.9
% of non-Agency portfolio	64.3%	35.7%	100.0%
Average purchase price <sup>(1)</sup>	\$55.95	\$65.84	\$59.48
Average coupon	2.8%	2.1%	2.5%
Weighted average market price <sup>(2)</sup>	\$75.91	\$74.45	\$75.38
<b>Collateral attributes:</b>			
Average loan age (months)	127	136	133
Average loan size (\$K)	\$360	\$338	\$363
Average original Loan-to-Value	70.4%	69.6%	72.1%
Average original FICO <sup>(3)</sup>	633	598	640
<b>Current performance:</b>			
60+ day delinquencies	23.9%	21.0%	23.6%
Average credit enhancement <sup>(4)</sup>	9.3%	17.9%	12.3%
3-Month CPR <sup>(5)</sup>	6.0%	8.1%	6.7%

(1) Average purchase price utilized carrying value for weighting purposes. If current face were utilized for weighting purposes, the average purchase price for senior, mezzanine and total non-Agency MBS, excluding our non-Agency interest-only portfolio, would have been \$53.20, \$63.52 and \$56.93, respectively.

(2) Weighted average market price utilized current face for weighting purposes.

(3) FICO represents a mortgage industry accepted credit score of a borrower.

(4) Average credit enhancement remaining on our non-Agency MBS portfolio, which is the average amount of protection available to absorb future credit losses due to defaults on the underlying collateral.

(5) 3-Month CPR is reflective of the prepayment speed on the underlying securitization; however, it does not necessarily indicate the proceeds received on our investment tranche. Proceeds received for each security are dependent on the position of the individual security within the structure of each deal.

# Commercial Real Estate Portfolio



\$ in millions	Type	Origination Date	Principal Balance	Book Value	Cash Coupon <sup>(1)</sup>	Yield <sup>(2)</sup>	Original Term (Years)	State	Property Type	Initial LTV <sup>(3)</sup>	Stabilized LTV <sup>(4)</sup>
Asset 1	Senior	12/15	\$120.0	\$119.9	L + 4.20%	5.91%	4	LA	Mixed-Use	65.5%	60.0%
Asset 2	Senior	09/15	105.0	105.1	L + 3.42%	4.76%	3	CA	Retail	70.9%	66.9%
Asset 3	Senior	07/16	95.5	94.3	L + 4.45%	5.89%	4	Multi-state	Office	62.8%	61.5%
Asset 4	Senior	04/16	82.0	81.4	L + 4.75%	6.09%	3	NY	Industrial	75.9%	55.4%
Asset 5	Senior	11/15	77.1	77.0	L + 4.20%	5.80%	3	NY	Office	66.4%	68.7%
Asset 6	Senior	10/16	73.8	73.0	L + 4.37%	5.85%	4	NC	Office	72.4%	68.1%
Asset 7	Senior	12/16	62.3	60.6	L + 4.11%	6.76%	4	FL	Office	73.3%	63.2%
Asset 8	Senior	01/17	51.1	50.4	L + 4.75%	6.90%	4	SC	Office	67.6%	67.1%
Asset 9	Senior	06/16	50.7	50.3	L + 4.49%	5.95%	4	HI	Retail	76.2%	57.4%
Asset 10	Mezzanine	03/15	45.9	45.9	L + 6.75%	7.94%	5	Multi-state	Hotel	70.3%	63.5%
Asset 11	Mezzanine	11/15	45.6	45.6	L + 7.25%	8.15%	3	Multi-state	Office	77.6%	77.5%
Asset 12	Senior	12/15	44.5	44.5	L + 4.65%	6.43%	4	PA	Office	74.5%	67.5%
Asset 13	Senior	12/15	43.5	43.5	L + 4.5%	5.61%	3	TX	Multifamily	82.3%	76.8%
Asset 14	Senior	04/16	43.5	43.0	L + 4.40%	6.11%	3	NY	Office	66.9%	62.1%
Asset 15	Senior	02/16	42.9	42.6	L + 4.30%	5.63%	3	TX	Office	72.9%	70.4%
Assets 16-40	Various	Various	576.5	571.5	L + 5.21%	6.83%	4	Various	Various	70.3%	62.7%
<b>Total/Weighted Average</b>			<b>\$ 1,560.0</b>	<b>\$ 1,548.6</b>	<b>L + 4.78%</b>	<b>6.37%</b>	<b>4</b>			<b>70.6%</b>	<b>64.0%</b>

(1) Cash coupon does not include origination or exit fees.

(2) Yield includes net origination fees and exit fees, but does not include future fundings.

(3) Initial LTV considers the original appraisal at the time of origination.

(4) Stabilized LTV considers the prospective market value "as stabilized" which reflects the property's market value as of the time the property is projected to achieve stabilized occupancy. Stabilized occupancy is the occupancy level that a property is expected to achieve after the property is exposed to the market for lease over a reasonable period of time and at comparable terms and conditions to other similar properties.

# Financing



\$ in millions						
Outstanding Borrowings and Maturities <sup>(1)</sup>	Repurchase Agreements	FHLB Advances	Revolving Credit Facilities	Convertible Notes	Total Outstanding Borrowings	Percent (%)
Within 30 days	\$ 3,090.1	\$ 60.0	\$ —	\$ —	\$ 3,150.1	18.0%
30 to 59 days	2,232.0	163.0	—	—	2,395.0	13.7%
60 to 89 days	2,993.3	—	—	—	2,993.3	17.1%
90 to 119 days	2,029.2	—	—	—	2,029.2	11.6%
120 to 364 days	3,080.8	—	15.0	—	3,095.8	17.7%
One to three years	215.3	815.0	—	—	1,030.3	5.9%
Three to five years	—	—	—	282.3	282.3	1.6%
Ten years and over <sup>(2)</sup>	—	2,533.8	—	—	2,533.8	14.4%
	\$ 13,640.7	\$ 3,571.8	\$ 15.0	\$ 282.3	\$ 17,509.7	100.0%
Collateral Pledged for Borrowings <sup>(3)</sup>	Repurchase Agreements	FHLB Advances	Revolving Credit Facilities <sup>(4)</sup>	Convertible Notes	Total Collateral Pledged	Percent (%)
Available-for-sale securities, at fair value	\$ 14,053.0	\$ 3,096.8	\$ —	n/a	\$ 17,149.8	89.6%
Derivative assets, at fair value	113.0	—	—	n/a	113.0	0.6%
Commercial real estate assets	756.8	728.6	—	n/a	1,485.4	7.8%
Mortgage servicing rights, at fair value	—	—	175.4	n/a	175.4	0.9%
Net economic interests in consolidated securitization trusts	215.5	2.0	—	n/a	217.5	1.1%
	\$ 15,138.3	\$ 3,827.4	\$ 175.4	n/a	\$ 19,141.1	100.0%

- (1) Weighted average of 3.0 years to maturity.  
(2) Includes FHLB advances of \$2.5 billion with original maturities of 20 years.  
(3) Excludes FHLB membership and activity stock totaling \$148.1 million.  
(4) Revolving credit facilities over-collateralized due to operational considerations.

# Interest Rate Swaps



Maturities	Notional Amounts (\$B) <sup>(1)</sup>	Average Fixed Pay Rate <sup>(2)</sup>	Average Receive Rate <sup>(2)</sup>	Average Maturity Years <sup>(2)</sup>
<b>Payers</b>				
2017	\$1.9	0.776%	1.077%	0.4
2018	5.3	1.232%	1.102%	1.3
2019	0.3	1.283%	1.039%	2.2
2020	1.5	1.481%	1.076%	3.5
2021 and after	5.1	1.907%	1.091%	6.6
	\$14.1	1.413%	1.090%	3.1
Maturities	Notional Amounts (\$B)	Average Pay Rate	Average Fixed Receive Rate	Average Maturity (Years)
<b>Receivers</b>				
2018	\$0.6	1.052%	1.440%	1.6
2019	0.5	1.041%	1.042%	1.8
2020	0.5	1.034%	1.580%	3.3
2021 and after	2.6	1.073%	2.173%	6.1
	\$4.2	1.062%	1.863%	4.6

(1) Notional amount includes \$788.5 million in forward starting interest rate swaps as of March 31, 2017.

(2) Weighted averages exclude forward starting interest rate swaps. As of March 31, 2017, the weighted average fixed pay rate on interest rate swaps starting in 2017 was 1.8%.

# Interest Rate Swaptions



Swaption	Expiration	Option			Underlying Swap			
		Cost (\$M)	Fair Value (\$M)	Average Months to Expiration	Notional Amount (\$M)	Average Pay Rate	Average Receive Rate	Average Term (Years)
Purchase Contracts:								
Payer	<6 Months	\$70.9	\$30.3	4.6	\$6,700	2.43%	3M LIBOR	4.8
Payer	≥6 Months	—	8.5	6.4	825	2.17%	3M LIBOR	5.0
Total Payer		\$70.9	\$38.8	5.2	\$7,525	2.40%	3M LIBOR	4.8
Receiver	<6 Months	\$2.7	\$2.1	5.1	\$1,400	3M LIBOR	1.76%	10.0
Receiver	≥6 Months	—	1.8	6.4	600	3M LIBOR	1.82%	5.0
Total Receiver		\$2.7	\$3.9	5.9	\$2,000	3M LIBOR	1.78%	8.5
Sale Contracts:								
Payer	<6 Months	(\$86.9)	(\$4.6)	5.1	(\$2,200)	3.17%	3M LIBOR	10.0
Payer	≥6 Months	—	(3.4)	6.4	(600)	2.42%	3M LIBOR	5.0
Total Payer		(\$86.9)	(\$8.0)	5.9	(\$2,800)	3.01%	3M LIBOR	8.9
Receiver	<6 Months	(\$20.6)	(\$22.7)	4.0	(\$9,105)	3M LIBOR	1.90%	5.7
Receiver	≥6 Months	(1.6)	(6.3)	6.4	(1,500)	3M LIBOR	1.92%	5.0
Total Receiver		(\$22.2)	(\$29.0)	4.7	(\$10,605)	3M LIBOR	1.90%	5.6



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