

Cherry Hill Mortgage Investment Corporation

## Fourth Quarter 2017 Investor Presentation

March 16, 2018

## Legal Disclaimer

FORWARD-LOOKING STATEMENTS. Certain statements in this presentation may constitute forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995, including without limitation references to potential or expected future cash flows, estimated or expected returns, sometimes referred to as initial IRR, updated IRR, expected IRR, lifetime IRR, life-to-date IRR or current-to-maturity IRR, potential discount rates, potential future investments, expected yields, potential or implied investment multiples, potential or projected future cash flows, expected CRR, CDR, Loss Severities, Loss Rates and Delinquencies. These statements are based on management's current expectations and beliefs and are subject to a number of risks, trends and uncertainties that could cause actual results to differ materially from those described in the forward-looking statements, many of which are beyond our control. Cherry Hill Mortgage Investment Corporation ("the Company") can give no assurance that its expectations will be attained. Accordingly, you should not place undue reliance on any forward-looking statements contained in this presentation. Risks and uncertainties emerge from time to time, and it is not possible for the Company to predict or assess the impact of every factor that may cause its actual results to differ from those contained in any forward-looking statements. For a description of factors that may cause actual results or performance to differ from the forward-looking statements in this presentation, please review the information under the heading "Risk Factors" in the Company's Annual Report on Form 10-K for the year ended December 31, 2017, and in other documents filed by the Company with the SEC. The Company's forward-looking statements speak only as of the date of this presentation. Cherry Hill Mortgage Investment Corporation expressly disclaims any obligation to release publicly any updates or revisions to any forward-looking statements contained herein to reflect any change in the Company's expectations with regard thereto or change in events, conditions or circumstances on which any statement is based.

CAUTIONARY NOTE REGARDING EXPECTED RETURNS AND EXPECTED YIELDS. Expected returns and expected yields are estimates of the annualized effective rate of return that we presently expect to be earned over the expected average life of an investment (i.e., IRR), after giving effect, in the case of returns, to existing leverage and existing hedging costs, and calculated on a weighted average basis. Expected returns and expected yields reflect our estimates of an investment's coupon, amortization of premium or discount, and costs and fees, as well as our assumptions regarding prepayments, defaults and loan losses, among other things. In the case of Servicing Related Assets, these assumptions include, but are not limited to, recapture rates, prepayment rates and delinquency rates. Income recognized by the Company in future periods may be significantly less than the income that would have been recognized if an expected return or expected yield were actually realized, and the estimates we use to calculate expected returns and expected yields could differ materially from actual results. Statements about expected returns and expected yields in this presentation are forward-looking statements. You should carefully read the cautionary statement above under the caption "Forward-looking Statements," which directly applies to our discussion of expected returns and expected yields.

PAST PERFORMANCE. Past performance is not a reliable indicator of future results and should not be relied upon for any reason.

## Fourth Quarter 2017

## Fourth Quarter 2017 Highlights

## Financial Results

## \$0.49 dividend per share declared and paid ${ }^{1}$

$\mathbf{\$ 2 0 . 4 4}$ GAAP book value per common share ${ }^{2}$

- $1.9 \%$ increase, net of 4 Q 17 dividend


## 4.4\% total quarterly return on book value ${ }^{4}$

$\$ 0.57$ core earnings per share ${ }^{3}$

## Portfolio Update

## 5.3x leverage ratio for aggregate portfolio

1.27\% net interest spread for RMBS

## 7.7\% net CPR for full Conventional MSRs ${ }^{6}$

## 12.1\% net CPR for full Government MSRs ${ }^{6}$

## 6.4\% CPR for RMBS ${ }^{5}$

[^0]

## Aggregate Investment Portfolio Composition



[^1]1. Comprised of MSRs and other related assets.
2. Comprised of RMBS and other related assets and liabilities.
3. Comprised of non-invested assets and liabilities.
4. Excludes cash and other derivatives. Includes TBAs of approximately \$(27.7) million.

## MSR Overview

Commentary
Investments in MSRs totaled \$122.8 million, related to $\$ 11.7$ billion of underlying Fannie Mae, Freddie Mac and Ginnie Mae loans as of December 31, 2017

Acquired over \$2 billion in Fannie Mae/ Freddie Mac MSRs during 4Q17

Total portfolio prepayment speeds continued to decline over the quarter

Portfolio experienced minimal increase in delinquency due to hurricane-related events

| MSR Characteristics |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Characteristics | FNMA | FHLMC | GNMA | Total |
| UPB (\$MM) | 5,723,640,567 | 2,000,756,192 | 3,986,254,429 | 11,710,651,189 |
| Avg UPB (\$'000) | 212,482 | 247,007 | 212,532 | 217,698 |
| wac | 3.86 | 3.96 | 3.36 | 3.71 |
| Net Servicing Fee | 0.25 | 0.25 | 0.31 | 0.27 |
| WAM (Mths) | 297 | 318 | 333 | 313 |
| WALA (Mths) | 28 | 12 | 20 | 23 |
| Original FICO | 756 | 749 | 698 | 741 |
| Original LTV | 77.7 | 78.7 | 93.0 | 83.0 |
| ARM\% | 0.1\% | 0.4\% | 0.0\% | 0.1\% |
| 60+ DQ | 0.5\% | 0.1\% | 3.0\% | 1.3\% |
| Historical Prepayment |  |  |  |  |



## Fourth Quarter 2017 RMBS Highlights

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Fourth Quarter 2017
12/31/2017 RMBS Portfolio: \$1,868,577 (Incl. TBAs)


| Current Portfolio Composition |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 30 Year Collateral: 73\% of Total RMBS Assets |  |  |  |  |  |  |
|  | FMV | \% | WAC | WALA | 1 Mo. CPR | LT CPR |
| 30 Year Flxed Collateral | \$1,340,479 | 98\% | 3.82 | 15.19 | 6.10 | 11.98 |
| TBA | \$27,665 | 2\% | 3.58 | N/A | N/A | N/A |
| Total 30 year MBS Collateral | \$1,368,144 | 100\% | 3.81 | 15.00 | 6.10 | 11.98 |
| $\leq 20$ Year Collateral: 27\% of Total RMBS Assets |  |  |  |  |  |  |
|  | FMV | \% | WAC | WALA | 1 Mo. CPR | LT CPR |
| 20 and 15 Year Fixed Collateral | \$406,764 | 81\% | 3.66 | 20.74 | 8.37 | 11.20 |
| Other | \$93,669 | 19\% | 5.26 | 18.69 | 0.60 | 4.93 |
| Total 15 and 20 Year MBS | \$500,433 | 100\% | 3.96 | 20.36 | 6.92 | 10.03 |

[^2]Source: CHMI management and The Yield Book Inc.

## RMBS Portfolio with Prepayment Protection




## Commentary

RMBS portfolio posted a weighted average three month CPR of $6.4 \%$ for the Fourth Quarter

- Six month weighted average CPR of 6.2\%
- Over the past twelve months, speeds on the RMBS portfolio outperformed FNMA aggregate speeds largely due to collateral composition


## Aggregate Portfolio Rate Sensitivity Analysis

| Duration Gap Sensitivity on Current Portfolio |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| December 31, 2017 |  | - 25bps | + 25bps | +50 bps | + 100 bps |
| Assets |  |  |  |  |  |
| RMBS Portfolio | 3.46 | 2.87 | 3.97 | 4.43 | 5.18 |
| Servicing Related Assets Portfolio | (1.73) | (2.38) | (1.50) | (1.16) | (0.64) |
| Total Assets | 1.73 | 0.49 | 2.47 | 3.27 | 4.53 |
| Liabilities, Swaps and Treasuries | (2.49) | (2.49) | (2.49) | (2.49) | (2.49) |
| Net Duration Gap (before Swaptions) | (0.77) | (2.00) | (0.02) | 0.77 | 2.04 |
| Swaptions | (0.14) | (0.07) | (0.24) | (0.36) | (0.52) |
| Net Duration Gap (including Swaptions) | (0.91) | (2.07) | (0.26) | 0.41 | 1.52 |
| Difference from Duration Gap as of December 31, 2017 |  | (1.17) | 0.64 | 1.32 | 2.42 |

Note: Liabilities, Swaps and Swaptions expressed as a percentage of total Assets. Totals may not sum due to rounding. Durations expressed in years.
The estimated duration gap sensitivity included in the table above is derived from models that are dependent on inputs and assumptions provided by third parties as well as by our investment team and, accordingly, actual results could differ materially from these estimates. Different models could generate materially different estimates using similar inputs and assumptions. Other market participants could make different assumptions with respect to these inputs. The sensitivity analysis assumes an instantaneous change in interest rates and, consequently, does not include the potential impact of ongoing portfolio rebalancing actions.

## Commentary

## At December 31, 2017, the duration gap stood at -0.91 years

Assuming an instantaneous shift of +100 basis points in interest rates, the duration gap would move from -0.91 years to 1.52 years

## MSR - Conventional Sensitivity


MSRs Conventional Sensitivity Analysis ${ }^{1}$

|  | December 31, $2017{ }^{2}$ |  |  |  |  | December 31, 20163 |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Base Case |  |  |  |  | Base Case |  |  |  |  |
|  | Discount Rate Shift in \% |  |  |  |  | Discount Rate Shift in \% |  |  |  |  |
|  | (20)\% | (10)\% | -\% | 10\% | 20\% | (20)\% | (10)\% | \% | 10\% | 20\% |
| Estimated FV | \$88,812 | \$85,361 | \$82,149 | \$79,154 | \$76,354 | \$34,443 | \$33,110 | \$31,871 | \$30,716 | \$29,638 |
| Change in FV | \$6,662 | \$3,212 |  | $(\$ 2,996)$ | $(\$ 5,796)$ | \$2,573 | \$1,239 |  | $(\$ 1,155)$ | $(\$ 2,232)$ |
| \% Change in FV | 8.0\% | 4.0\% |  | (4.0)\% | (7.0)\% | 8.1\% | 3.9\% |  | (3.6)\% | (7.0)\% |
|  | Voluntary Prepayment Rate Shift in \% |  |  |  |  | Voluntary Prepayment Rate Shift in \% |  |  |  |  |
|  | (20)\% | (10)\% | -\% | 10\% | 20\% | (20)\% | (10)\% | -\% | 10\% | 20\% |
| Estimated FV | \$89,240 | \$85,583 | \$82,149 | \$78,814 | \$75,678 | \$34,963 | \$33,355 | \$31,871 | \$30,497 | \$29,222 |
| Change in FV | \$7,090 | \$3,434 |  | $(\$ 3,335)$ | $(\$ 6,471)$ | \$3,093 | \$1,485 |  | $(\$ 1,374)$ | $(\$ 2,648)$ |
| \% Change in FV | 9.0\% | 4.0\% |  | (4.0)\% | (8.0)\% | 9.7\% | 4.7\% |  | (4.3)\% | (8.3)\% |
|  | Servicing Cost Shift in \% |  |  |  |  | Servicing Cost Shift in \% |  |  |  |  |
|  | (20)\% | (10)\% | \% | 10\% | 20\% | (20)\% | (10)\% | \% | 10\% | 20\% |
| Estimated FV | \$84,518 | \$83,334 | \$82,149 | \$80,965 | \$79,781 | \$32,915 | \$32,393 | \$31,871 | \$31,348 | \$30,826 |
| Change in FV | \$2,368 | \$1,184 |  | $(\$ 1,184)$ | $(\$ 2,368)$ | \$1,044 | \$522 |  | (\$522) | (\$1,044) |
| \% Change in FV | 3.0\% | 1.0\% |  | (1.0)\% | (3.0)\% | 3.3\% | 1.6\% |  | (1.6)\% | (3.3)\% |

[^3] Investment Corporation Form 10-K, filed with the SEC.

1. Estimated changes in fair value represent management's assumptions based on a variety of factors. Actual changes in fair value may differ materially from what is shown.
2. December 31, 2017 analysis assumes weighted avg. discount rate of $9.3 \%$; weighted avg. prepayment rate of $10.5 \%$; weighted avg. recapture rate of $0.0 \%$ for base case; and weighted avg. annual cost to service of $\$ 70$ per loan. 11
3. December 31, 2016 analysis assumes weighted avg. discount rate of $9.3 \%$; weighted avg. prepayment rate of $10.6 \%$; weighted avg.

CHMI recapture rate of $0.0 \%$ for base case; and weighted avg. annual cost to service of $\$ 64$ per loan.

## MSR - Government Sensitivity



Note: Figures noted are rounded. As of December 31, 2017. Dollars in thousands. For additional information, see Cherry Hill Mortgage Investment Corporation Form 10-K, filed with the SEC.

1. Estimated changes in fair value represent management's assumptions based on a variety of factors. Actual changes in fair value may differ materially from what is shown. $\qquad$
2. December 31,2017 analysis assumes weighted avg. discount rate of $12.0 \%$; weighted avg. prepayment rate of $8.1 \%$; weighted avg. recapture rate of $0.0 \%$ for base case; and weighted avg. annual cost to service of $\$ 96$ per loan.

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## RMBS Portfolio Coupon Composition



| RMBS Fixed Rate Securities Summary (Excludes TBAs) |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| WA Years to Maturity | Book Value | WAC | WA <br> Amortized Cost |  | Estimated <br> Fair <br> Value | \% of Total Estimated Fair Value |
| $\leq 15$ Years | \$68,568 | 3.24\% | \$104.20 | \$67,759 | \$102.97 | 4\% |
| 20 Years | \$340,388 | 3.75\% | \$105.18 | \$339,005 | \$104.75 | 18\% |
| $\geq 30$ Years | \$1,347,525 | 3.82\% | \$105.18 | \$1,340,479 | \$104.64 | 73\% |
| MBS ARM/Other | \$87,232 | 5.26\% | \$99.94 | \$93,669 | \$107.30 | 5\% |
| Total / WA | \$1,843,714 | 3.86\% | \$104.88 | \$1,840,913 | \$104.73 | 100\% |

## Financing Highlights

## Commentary

Average REPO cost was $1.47 \%$ with a weighted average days remaining to maturity of 46 days

## 30 REPO relationships established to date

Borrowings with 19 financing counterparties
Weighted average "haircut" of 5.2\%

Repurchase Counterparties Utilized ${ }^{1}$


Cherry Hill Repurchase Agreement and Advance Summary

| Remaining Maturity | REPO \& Advances Outstanding | WA <br> Rate | Remaining Days <br> to Maturity | Original Days <br> to Maturity |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $x<1$ Month | $\$ 429,573$ | $25.8 \%$ | $1.44 \%$ | 14 | 97 |
| $1 \geq x<3$ Months | $\$ 1,231,687$ | $73.9 \%$ | $1.48 \%$ | 57 | 110 |
| $x \geq 3$ Months | $\$ 5,277$ | $0.3 \%$ | $1.52 \%$ | 127 | 185 |
| Total / WA | $\$ 1,666,537$ | $\mathbf{1 0 0 . 0 \%}$ | $\mathbf{1 . 4 7 \%}$ | 46 | $\mathbf{1 0 7}$ |

## Balance Sheet

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| Consolidated Balance Sheets |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | December 31, 2017 |  | December 31, 2016 |  |
| Assets |  |  |  |  |
| RMBS, available-for-sale (including pledged assets of \$1,728,564 and \$608,560, respectively) | \$ | 1,840,912 | \$ | 671,904 |
| Investments in Servicing Related Assets at fair value (including pledged assets of |  |  |  |  |
| \$ 122,806 and \$61,263, respectively) |  | 122,806 |  | 61,263 |
| Cash and cash equivalents |  | 27,327 |  | 15,824 |
| Restricted cash |  | 29,168 |  | 22,469 |
| Derivative assets |  | 13,830 |  | 9,121 |
| Receivables and other assets |  | 16,642 |  | 12,297 |
| Total Assets | \$ | 2,050,685 | \$ | 792,878 |
| Liabilities and Stockholders' Equity |  |  |  |  |
| Liabilities |  |  |  |  |
| Repurchase agreements | \$ | 1,666,537 | \$ | 594,615 |
| Derivative liabilities |  | 344 |  | 694 |
| Notes payable |  | 39,025 |  | 22,886 |
| Dividends payable |  | 7,273 |  | 4,816 |
| Due to affiliates |  | 3,035 |  | 1,894 |
| Payables for unsettled trades |  | - |  | 6,202 |
| Accrued expenses and other liabilities |  | 12,014 |  | 5,762 |
| Total Liabilities | \$ | 1,728,228 | \$ | 636,869 |
| Stockholders' Equity |  |  |  |  |
| Series A Preferred stock, $\$ 0.01$ par value, 100,000,000 shares authorized and $2,400,000$ shares issued and outstanding as of December 31, 2017 and |  |  |  |  |
| $100,000,000$ shares authorized and 0 shares issued and outstanding as of |  |  |  |  |
| December 31, 2016, liquidation preference of \$60,000 as of December 31, 2017 | \$ | 57,917 | \$ | - |
| Common stock, $\$ 0.01$ par value, $500,000,000$ shares authorized and $12,721,464$ shares issued and outstanding as of December 31, 2017 and $500,000,000$ shares |  |  |  |  |
| authorized and 7,525,348 shares issued and outstanding as of December 31, 2016 |  | 127 |  | 75 |
| Additional paid-in capital |  | 229,642 |  | 148,457 |
| Retained earnings |  | 35,238 |  | 12,093 |
| Accumulated other comprehensive income (loss) |  | $(2,942)$ |  | $(6,393)$ |
| Total Cherry Hill Mortgage Investment Corporation Stockholders' Equity | \$ | 319,982 | \$ | 154,232 |
| Non-controlling interests in Operating Partnership |  | 2,475 |  | 1,777 |
| Total Stockholders' Equity | \$ | 322,457 | \$ | 156,009 |
| Total Liabilities and Stockholders' Equity | \$ | 2,050,685 | \$ | 792,878 |

## Income Statement



## Comprehensive Income

| Consolidated Statement of Comprehensive Income |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Year Ended December 31, |  |  |  |  |  |
|  | 2017 |  | 2016 |  | 2015 |  |
| Net income (loss) | \$ | 48,014 | \$ | 25,243 | \$ | 13,355 |
| Other comprehensive income (loss): |  |  |  |  |  |  |
| Net unrealized gain on RMBS |  | 2,948 |  | $(4,797)$ |  | $(5,984)$ |
| Reclassification of net realized (gain) loss on RMBS included in earnings |  | 503 |  | $(1,399)$ |  | (854) |
| Other comprehensive income |  | 3,451 |  | $(6,196)$ |  | $(6,838)$ |
| Comprehensive income | \$ | 51,465 | \$ | 19,047 | \$ | 6,517 |
| Comprehensive income attributable to noncontrolling interests in Operating Partnership | \$ | 702 | \$ | 311 | \$ | 69 |
| Dividends on preferred stock | \$ | 1,833 | \$ | - | \$ | - |
| Comprehensive income attributable to common stockholders | \$ | 48,930 | \$ | 18,736 | \$ | 6,448 |

## Core Earnings

| Core Earnings |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Year Ended December 31, |  |  |  |  |  |
|  | 2017 |  | 2016 |  | 2015 |  |
| Net income (loss) | \$ | 48,014 | \$ | 25,243 | \$ | 13,355 |
| Other comprehensive income (loss): |  |  |  |  |  |  |
| + Realized (gain) loss on RMBS, net |  | 503 |  | $(1,399)$ |  | (854) |
| + Realized (gain) loss on investments in Excess MSRs, net |  | $(6,678)$ |  | $(1,520)$ |  | - |
| + Realized loss on derivatives, net |  | 5,554 |  | 7,963 |  | 3,913 |
| + Realized loss on acquired assets, net |  | - |  | - |  | (449) |
| + Unrealized (gain) loss on derivatives, net |  | $(6,580)$ |  | $(12,080)$ |  | 59 |
| + Unrealized (gain) loss on investments in Excess MSRs |  | - |  | (249) |  | 19 |
| + Unrealized (gain) loss on investments in MSRs |  | $(9,159)$ |  | 3,285 |  | 1,123 |
| + Tax (benefit) expense on unrealized (gain) loss on MSRs |  | 704 |  | 862 |  | - |
| + Estimated 'catch up' premium amortization cost |  | 2,245 |  | $(2,358)$ |  | $(1,862)$ |
| + Changes due to realization of expected cash flows |  | $(9,666)$ |  | $(3,512)$ |  | (430) |
| + Reversal of loss on acquired assets, net |  | - |  | 244 |  | - |
| + Yield maintenance income |  | 2,750 |  | 250 |  | - |
| Total core earnings: | \$ | 27,687 | \$ | 16,729 | \$ | 14,874 |
| Core earnings attributable to noncontrolling interests in Operating Partnership |  | (378) |  | (272) |  | (157) |
| Dividends on preferred stock |  | 1,833 |  | - |  | - |
| Core Earnings Attributable to Common Stockholders | \$ | 25,476 | \$ | 16,457 | \$ | 14,717 |
| Core Earnings Attributable to Common Stockholders, per Share | \$ | 2.22 | \$ | 2.191 | \$ | 1.962 |
| GAAP Net income (Loss) Per Share of Common Stock | \$ | 3.98 | \$ | 3.30 | \$ | 1.76 |

Note: 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 MSRs and MSRs, realized and unrealized gain (loss) on derivatives, realized (gain) loss on acquired assets, and changes in fair value of MSRs 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 MSRs 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 MSRs. Core earnings include yield maintenance payments received in connection with the sale of the Company's Excess MSRs. 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.

Note: Figures presented are rounded. Dollars in thousands, except per share figures. As of December 31, 2017.

1. In $4 Q 2016$ the Company refined its method of calculating amortization of its MSRs to reflect expected cashflows (runoff) from the portfolio. Using this revised method of calculating MSR amortization, core earnings per share for 1Q16, 2Q16 and 3Q16 would have been $\$ 0.55, \$ 0.55$

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## Segment Results

|  | Results of Operations |  |  |
| :--- | ---: | ---: | ---: | ---: | ---: |

$\overline{\text { Note: Figures presented are rounded. As of December 31, 2017. Dollars in thousands. }}$

## RMBS Net Interest Spread

| RMBS Net Interest Spread |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | At December 31, 2017 | At September 30, 2017 | At June 30, 2017 | At March 31, 2017 |
| Weighted Average Asset Yield | 2.91\% | 2.91\% | 3.44\% | 2.75\% |
| Weighted Average Interest Expense | 1.64\% | 1.65\% | 1.66\% | 1.33\% |
| Net Interest Spread | 1.27\% | 1.26\% | 1.78\% | 1.42\% |

## Hedging Summary

| UNAUDITED |  |  |  |  | Appendix |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Interest Rate Swaps |  |  |  |  |  |
| Commentary | Characteristics |  |  |  |  |
| Approximately \$1.1 billion notional fixed pay swaps | Years to Maturity | Notional Amount | WA <br> Pay <br> Rate |  | WA Years to Maturity |
| 4.4 years weighted average duration | $x \leq 3$ Years <br> $3>x \leq 5$ Years | \$313,600 | 1.52\% | 1.45\% | 1.6 |
|  |  | 274,300 | 1.80\% | 1.42\% | 4.4 |
|  | $\begin{aligned} & 5>x \leq 7 \text { Years } \\ & 7>x \leq 10 \text { Years } \\ & x>10 \text { Years } \\ & \hline \end{aligned}$ | 304,050 | 1.98\% | 1.46\% | 6.3 |
| Covers 64\% of aggregate REPO borrowings |  | 172,000 | 2.16\% | 1.44\% | 9.3 |
|  |  | 4,000 | 2.00\% | 1.41\% | 14.1 |
|  | Total / WA: | \$1,067,950 | 1.83\% | 1.44\% | 4.9 |

## Interest Rate Swaptions

## \$155 million notional

Options to enter into fixed pay swaps prior to December 2018
1.9 year weighted average duration

## Abbreviations

Abbreviations: This presentation may include the below abbreviations, which have the following meanings:

- $\mathbf{3 0 +} \mathbf{D Q}$ - Percentage of loans that are delinquent by 30 days or more
- Age (mths) or Loan Age (mths) - Weighted average number of months loans are outstanding
- Carrying Value - represents Cost Basis plus adjustment for mark to market
- Cost Basis - Initial investment less return of capital received life to date
- CDR - Constant Default Rate
- CLTV - ratio of current loan balance to estimated current asset value.
- COUP - coupon or interest rate
- CPR - Constant Prepayment Rate, expressed as the sum of the CDR and CRR
- CRR - Constant Repayment Rate
- FHLMC - Freddie Mac / Federal Home Loan Mortgage Corporation
- FMV - Fair Mark Value
- FNMA - Fannie Mae / Federal National Mortgage Association
- FICO - A borrower's credit metric generated by the credit scoring model created by the Fair Isaac Corporation
- Flow Arrangements - contractual recurring agreements, often monthly or quarterly, to purchase servicing of newly originated or highly delinquent loans
- GNMA - Ginnie Mae / Government National Mortgage Association
- Gross CPR - Gross CPR is CPR prior to factoring in recapture
- Gross CRR - Gross CRR is CRR prior to factoring in recapture
- HPA - Home price appreciation
- LT - Long Term
- LTD Cash Flows - Actual life to date cash flow collected from the investment as of the end of the current month
- LTD - Life to Date
- Net CPR - CPR after taking into account recapture activity
- $\mathbf{O C l}$ - Other comprehensive income
- Projected Future Cash Flows - Future cash flow expected per the current market valuation
- Recapture Rate - Percentage of voluntarily prepaid loans that are refinanced by recapture partner
- Total Cash Flow - Sum of all LTD cash flows and all projected future cash flows
- Uncollected Payments - Percentage of loans that missed their most recent payment
- UPB - Unpaid Principal Balance
- Updated IRR - Internal rate of return calculated based on the cash flow received to date through the current month and the expected future cash flow based on our original underwriting assumptions.
- U/W LTD - Underwritten life-to-date
- WA/WAVG - Weighted Average
- WAL - Weighted Average Life to Maturity
- WALA - Weighted Average Loan Age
- WAC - Weighted Average Coupon


[^0]:    Note: Figures presented, except per share data, are rounded. As of December 31, 2017.

    1. Fourth Quarter $2017 \$ 0.49$ dividend was paid in cash on January 30, 2018 to stockholders of record on December 29, 2017.
    2. Based on 12,721,464 common shares outstanding at December 31, 2017.
    3. Based on 12,721,464 fully diluted weighted average common shares outstanding at December 31, 2017.
    4. Total return on book value for the quarter ended December 31, 2017 is defined as the increase in book value from September 30, 2017 to December 31, 2017 of $\$ 0.39$, plus the dividend declared of $\$ 0.49$ per share, divided by September 30, 2017 book value of $\$ 20.05$ per share.
    5. Actual weighted average CPR for the three month period ended December 31, 2017.
    6. Weighted average CPR for the three month period ended December 31, 2017.

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[^1]:    $\overline{\text { Note: All financial information As of December 31, 2017, unless otherwise noted. Figures in thousands, unless otherwise noted. }}$

[^2]:    Note: Figures presented are rounded. As of December 31, 2017. Dollars in thousands, unless otherwise noted. CPR values presented are annualized.

[^3]:    $\overline{\text { Note: Figures noted are rounded. As of December 31, 2017. Dollars in thousands. For additional information, see Cherry Hill Mortgage }}$

