MFA FINANCIAL, INC.

Second Quarter 2017

Earnings Presentation

Forward Looking Statements

When used in this presentation or other written or oral communications, statements which are not historical in nature, including those containing words such as "will," "believe," "expect," "anticipate," "estimate," "plan," "continue," "intend," "should," "could," "would," "may" or similar expressions, are intended to identify "forward-looking statements" within the meaning of Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities Exchange Act of 1934, as amended, and, as such, may involve known and unknown risks, uncertainties and assumptions. Statements regarding the following subjects, among others, may be forward-looking: changes in interest rates and the market value of MFA's MBS; changes in the prepayment rates on the mortgage loans securing MFA's MBS, an increase of which could result in a reduction of the yield on MBS in our portfolio and could require us to reinvest the proceeds received by us as a result of such prepayments in MBS with lower coupons; credit risks underlying MFA's assets, including changes in the default rates and management's assumptions regarding default rates on the mortgage loans securing MFA's Non-Agency MBS and relating to MFA's residential whole loan portfolio; MFA's ability to borrow to finance its assets and the terms, including the cost, maturity and other terms, of any such borrowings; implementation of or changes in government regulations or programs affecting MFA's business; MFA's estimates regarding taxable income, the actual amount of which is dependent on a number of factors, including, but not limited to, changes in the amount of interest income and financing costs, the method elected by MFA to accrete the market discount on Non-Agency MBS and residential whole loans and the extent of prepayments, realized losses and changes in the composition of MFA's Agency MBS, Non-Agency MBS and residential whole loan portfolios that may occur during the applicable tax period, including gain or loss on any MBS disposals and whole loan modification, foreclosure and liquidation; the timing and amount of distributions to stockholders, which are declared and paid at the discretion of MFA's Board of Directors and will depend on, among other things, MFA's taxable income, its financial results and overall financial condition and liquidity, maintenance of its REIT qualification and such other factors as the Board deems relevant; MFA's ability to maintain its qualification as a REIT for federal income tax purposes; MFA's ability to maintain its exemption from registration under the Investment Company Act of 1940, as amended (or the Investment Company Act), including statements regarding the Concept Release issued by the Securities and Exchange Commission (SEC) relating to interpretive issues under the Investment Company Act with respect to the status under the Investment Company Act of certain companies that are engaged in the business of acquiring mortgages and mortgage-related interests; MFA's ability to successfully implement its strategy to grow its residential whole loan portfolio which is dependent on, among other things, the supply of loans offered for sale in the market; expected returns on our investments in non-performing residential whole loans (NPLs), which are affected by, among other things, the length of time required to foreclose upon, sell, liquidate or otherwise reach a resolution of the property underlying the NPL, home price values, amounts advanced to carry the asset (e.g., taxes, insurance, maintenance expenses, etc. on the underlying property) and the amount ultimately realized upon resolution of the asset; and risks associated with investing in real estate assets, including changes in business conditions and general economic conditions. These and other risks, uncertainties and factors, including those described in the annual, quarterly and current reports that MFA files with the SEC, could cause MFA's actual results to differ materially from those projected in any forward-looking statements it makes. All forward-looking statements speak only as of the date on which they are made and are based on beliefs, assumptions and expectations of MFA's future performance, taking into account information currently available. New risks and uncertainties arise over time and it is not possible to predict those events or how they may affect MFA. You are cautioned not to place undue reliance on these forward-looking statements, which speak only as of the date on which they are made. Except as required by law, MFA is not obligated to, and does not intend to, update or revise any forward-looking statements, whether as a result of new information, future events or otherwise.

Executive summary

- In the second quarter we generated EPS of $0.20.
- Book value per share increased to $7.76 versus $7.66 at March 31, 2017.
- MFA purchased (or committed to purchase) over $1 billion of assets in the second quarter, including $341 million of credit sensitive whole loans.
- We completed a common equity offering of 23 million shares, raising $178 million of net proceeds.
- We executed a securitization of re-performing loans and sold $148 million of AAA and A rated bonds to third party investors at a weighted average coupon of 2.75%.

Executive summary

Through volatile markets and both interest rate and credit cycles, MFA has generated strong long term returns to investors

Time Period	Annualized MFA Shareholder Return [1]
Since January 1, 2000	15.6%
10 Year	14.9%
5 Year	15.1%
1 Year	26.5%

[1] As of 6/30/17 assuming reinvestment of dividends.

2017 investment strategy

Be positioned for less predictable fiscal and monetary policy.

1. Focus on shorter term, less interest rate sensitive assets.

2. Blend mortgage credit exposure with interest rate exposure.

3. Maintain staying power and the ability to invest in distressed, less liquid assets:

   - Permanent equity capital

   - Debt to equity ratio is low enough to accommodate potential declines in asset prices

4. Invest with focus on long term performance

Market conditions and investment activity

- Despite a challenging investment environment, MFA purchased or committed to purchase over $1 billion in assets in the second quarter. Our investment team was able to identify attractive opportunities and execute transactions in all of our asset classes.

- This investment activity includes purchases (or commitments to purchase) of $341 million of whole loans in four separate transactions.

- During the second quarter, we experienced heavy paydowns in 3 year step-up securities. In spite of $532 million of new purchases in the quarter, this asset class declined by approximately $750 million as the number of called deals increased significantly.

Second quarter investment flows

Our assets run off due to amortization, paydowns or sale, allowing reinvestment opportunities in changing interest rate and credit environments.

$ in Millions	March 31, 2017	2nd Quarter Runoff	2nd Quarter Acquisitions	MTM and other changes	June 30, 2017	2nd Quarter Change
Re-performing and Non-performing Loans	$1,349	$(37)	$341	$(8)	$1,645	$296
3 Year Step-up Securities [(1)]	$2,453	$(1,290)	$532	$—	$1,695	$(758)
Credit Risk Transfer Securities	$498	$(3)	$122	$19	$636	$138
Legacy Non-Agency MBS	$3,015	$(189)	$3	$68	$2,897	$(118)
Agency MBS	$3,495	$(231)	$3	$(19)	$3,248	$(247)
Totals	**$10,810**	**$(1,750)**	**$1,001**	**$60**	**$10,121**	**$(689)**

(1) 3 year step-up securities are securitized financial instruments that are backed primarily by re-performing and non-performing loans. The majority of these securities are structured such that the coupon increases up to 300 basis points (bps) at 36 months or sooner.

MFA's yields and spreads remain attractive

	Second Quarter 2017	First Quarter 2017	Fourth Quarter 2016	Third Quarter 2016
Yield on Interest Earning Assets	4.61%	4.61%	4.34%	4.23%
Net Interest Rate Spread	2.10%	2.27%	2.12%	2.13%
Debt to Equity Ratio	2.5x	2.9x	3.1x	3.1x

Second quarter 2017 yields and spreads by asset type

Asset	Yield/Return	Cost of Funds	Net Spread	Debt/Net Equity Ratio
Agency MBS	1.96%	(1.57)%	0.39%	7.9x
Legacy Non-Agency MBS	8.85%	(3.28)%	5.57%	1.7x
3 Year Step-up Securities	4.38%	(2.50)%	1.88%	2.7x
Credit Risk Transfer Securities	5.98%	(2.38)%	3.60%	1.7x
RPL Whole Loans	5.68% [1]	(3.38)%	2.30%	1.7x
NPL Whole Loans	[2]	(3.53)%	[2]	2.7x

(1) Net of 31 bps of servicing costs.

(2) These residential whole loans are held at fair value and produce GAAP income/loss based on changes in fair value in the current period, and therefore results will vary on a quarter-to-quarter basis. MFA expects to realize returns over time on these whole loan investments of 5-7%.

MFA's interest rate sensitivity remains low, as measured by estimated net duration

$ in Millions

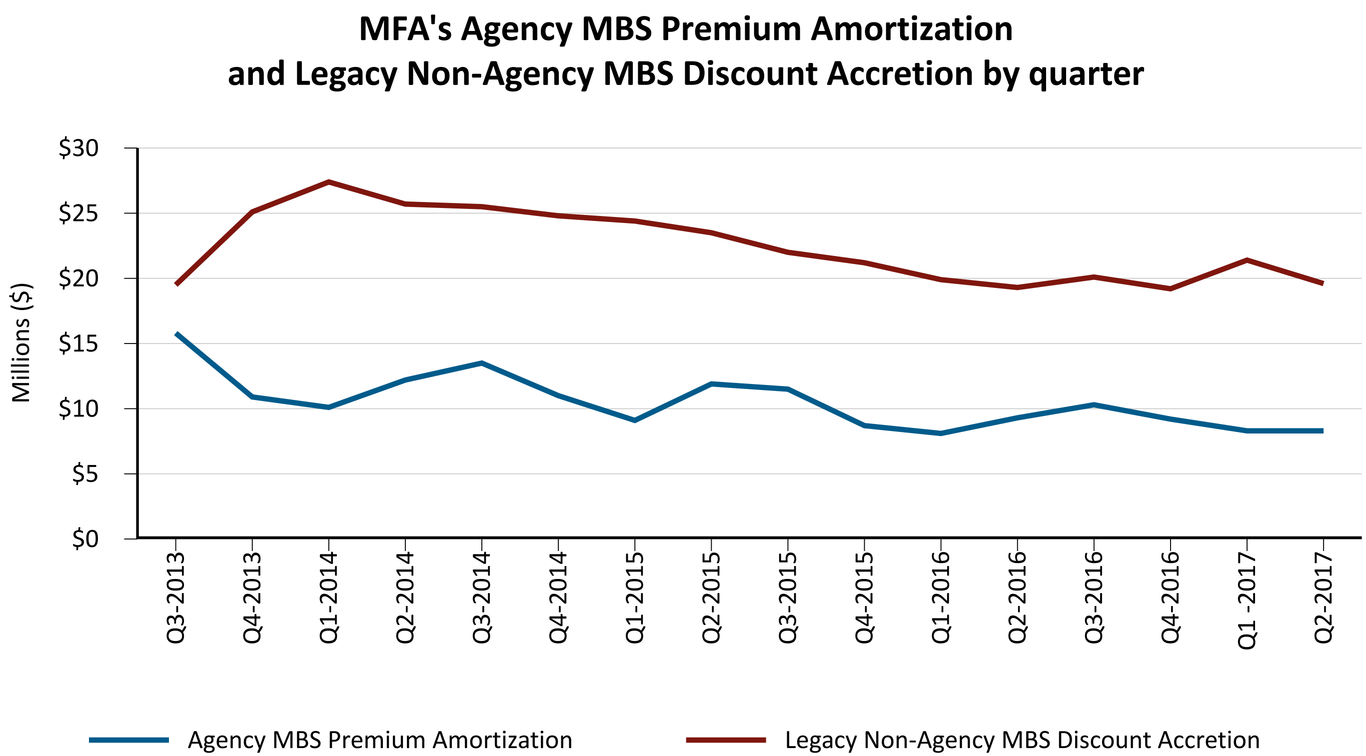
Assets	Market Value	Average Coupon	Duration
Non-Agency ARMs and CRTs (12 months or less MTR)	$2,606	3.62%	0.4
3 Year Step-up Securities	$1,695	4.23%	0.4
Non-Agency Fixed Rate	$928	5.80%	3.0
Residential Whole Loans	$1,694	4.50%	2.7
Agency ARMs (12 months or less MTR)	$1,338	3.33%	0.6
Agency ARMs (13-120 MTR)	$621	2.86%	1.7
Agency 15-Year Fixed Rate	$1,287	3.04%	3.0
Cash, Cash Equivalents and Other Assets	$963		—
TOTAL ASSETS	**$11,133**		1.33

Hedging Instruments	Notional Amount	Duration
Swaps (Less than 3 years)	$950	-1.5
Swaps (3-10 years)	$1,600	-3.2
TOTAL HEDGES	**$2,550**	**-2.5**
Estimated Net Duration		**0.76**

MTR: Months to reset

Low sensitivity to prepayment rates

Legacy Non-Agency MBS discount accretion has exceeded Agency MBS premium amortization since 2013.



Increasing Other Income contribution to Net Income

Summary Income Statement	Q2 2017 $m	Q1 2017 $m
Net Interest Income	**61.1**	**66.9**
Other Income (net)		
MBS sale gains	5.9	9.7
Income from fair value loans	16.2	13.8
CRT securities held at fair value	13.8	5.6
Other loan and REO related income and OTTI	0.4	(1.5)
Total Other Income (net)[1]	**36.3**	**27.6**
Expenses and Preferred Dividends	(21.3)	(20.2)
Net Income Available to Common Shareholders	**76.2**	**74.3**
Earnings Per Common Share	**$ 0.20**	**$ 0.20**

(1) Includes Other-Than-Temporary Impairments of $618,000 and $414,000 for the three month periods ended June 30, 2017 and March 31, 2017, respectively

- Other Income is making a greater contribution to overall net income due to:
  - Run-off in assets that generate net interest income;
  - Continued acquisition of assets accounted for under the fair value option (changes in fair value are reflected in Other Income rather than Net Interest Income); and
  - Higher funding costs impacting overall net interest spreads.
- In Q2 2017, the sequential quarter decrease in Net Interest Income was more than offset by higher Other Income, including from:
  - Increases in unrealized gains in CRT securities and NPL whole loans accounted for at fair value; and
  - Gains recognized on early payoff of RPL whole loans accounted for at carrying value.
- The increased contribution of Other Income items may lead to fluctuations in overall Net Income going forward.

Continued positive fundamentals for residential mortgage credit

- Fundamental ***and*** technical support for residential credit assets and home prices.
- According to the National Association of Realtors:
  - Existing-home sales for June 2017 increased 0.7% year over year to a seasonally adjusted annual rate of 5.5 million units.
  - The median existing home price in June 2017 was up 6.5% versus June 2016.
  - Total housing inventory at the end of June 2017 was 1.96 million units, down 7.1% versus June 2016.
- According to the June 2017 Corelogic Loan Performance Insights Report, nationwide delinquencies continue to decline. 30+ day delinquency rates have dropped to 4.8% versus 5.3% a year ago.

Recent trends in credit sensitive loan trading

- Despite continued strong bid pricing for re-performing and non-performing whole loans, we identified some attractive investment opportunities, purchasing (or committing to purchase) four whole loans pools for a total investment of $341 million.

- By seeking in some cases smaller pools or “special situation” sales, we were able to find assets at cheaper prices than are typically available in larger well-publicized offerings.

- Continued expected future supply should afford us ample opportunity to continue to grow this portfolio.

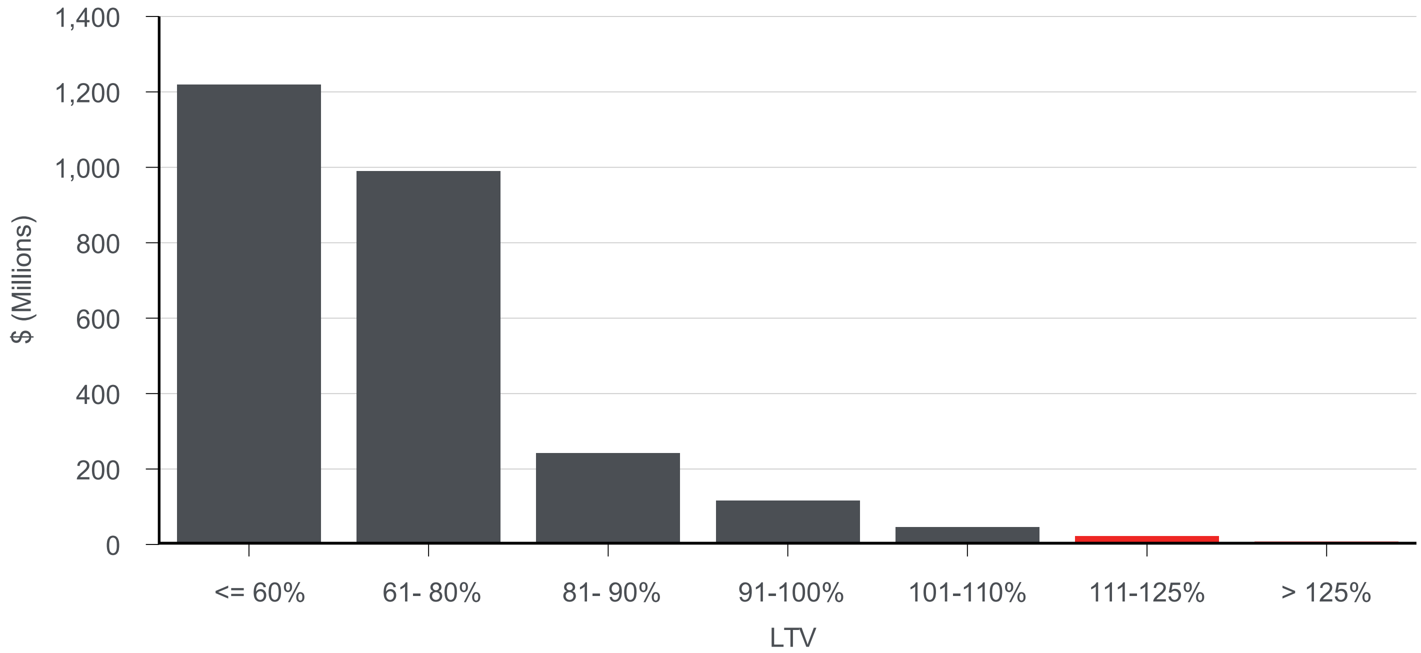
Credit sensitive residential whole loan portfolio

- Returns to date are consistent with our expectation of 5-7%.
- We believe that our oversight of servicing decisions (loan modifications, short sales, etc.) produces better NPV outcomes.
- Actively managing loan portfolio through in-house asset management professionals utilizing third-party special servicers.
- Additional opportunities to achieve attractive term financing through securitization of re-performing loans.

3 year step-up securities portfolio

- Current market yields of low to mid 3% for A1 classes and low to mid 5% for A2 classes.
- Well protected portfolio with substantial credit enhancement.
- Growing number of repo providers for this asset class.
- Very short assets with an average of 20 months remaining to step-up.
- We have witnessed very low levels of price volatility.

LTV breakdown of non-delinquent mortgage loans underlying MFA's Legacy Non-Agency MBS



- These loans are up to date on all required mortgage payments.
- Underlying loans are nearly eleven years seasoned on average.

Source: CoreLogic
Data as of June 30, 2017

Summary

- We successfully invested or committed to purchase over $1 billion of investments.
- We completed a rated securitization of re-performing loans, achieving attractive term financing for these assets.
- We executed a well received follow-on equity offering in May.
- Our credit sensitive assets continue to perform well.
- MFA is well-positioned for changes in prepayment rates, monetary policy and/or interest rates.

Additional Information

Book value increased due to impact of fair value changes in Legacy Non-Agency MBS

Book value per common share as of 3/31/17	$7.66
Net income available to common shareholders	0.20
Common dividend declared during the quarter	(0.20)
Net change attributable to Agency MBS	(0.03)
Net change attributable to Non-Agency MBS and CRT securities	0.13
Net change in value of swap hedges	—
Book value per common share as of 6/30/17	$7.76

Second Quarter Non-Agency MBS impact on MFA book value

	Impact Per Share(1)
Impact of change in market prices	$0.19
Realized gains from asset sales: Reallocation from OCI to Retained Earnings	(0.01)
Discount Accretion: Primarily income in excess of coupon on Non-Agency MBS purchased at a discount. This income increases amortized cost and lowers unrealized gains	(0.05)
Principal Paydowns	0.03
Realized Credit Losses	(0.03)
Total	**$0.13**

(1) Does not include impact of swap hedges.