

AG Mortgage Investment Trust, Inc. Investor Presentation NYSE: MITT

November 2018

Forward Looking Statements and Non-GAAP Financial Information

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 related to dividends, book value, our investments and our investment and portfolio strategy, investment returns, return on equity, liquidity and financing, taxes, our assets, our interest rate sensitivity, and our views on certain macroeconomic trends, among others. Forward-looking statements are based on estimates, projections, beliefs and assumptions of management of the Company at the time of such statements and are not guarantees of future performance. Forward-looking statements due to a variety of factors, including, without limitation, changes in interest rates, changes in the yield curve, changes in prepayment rates, the availability and terms of financing, changes in the market value of our assets, general economic conditions, conditions in the market for Agency RMBS, Non-Agency RMBS, ABS and CMBS securities and loans, our ability to integrate newly acquired rental assets into the investment portfolio, our ability to predict and control costs, conditions in the real estate market, and legislative and regulatory changes that could adversely affect the business of the Company. Additional information concerning these and other risk factors are contained in the Company's filings with the Securities and Exchange Commission ("SEC"), including its most recent Annual Report on Form 10-K and subsequent filings. Copies are available free of charge on the SEC's website, http://www.sec.gov/. All information in this presentation is as of November 7, 2018. The Company undertakes no duty to update any forward-looking statements to reflect any change in its expectations or any change in events, conditions or circumstances on which any such statement is based.

Non-GAAP Financial Information: In addition to the results presented in accordance with GAAP, this presentation includes certain non-GAAP financial results and financial metrics derived therefrom, which are calculated by including or excluding unconsolidated investments in affiliates, TBAs, and U.S. Treasuries, or by allocating non-investment portfolio related items based on their respective characteristics, as described in the footnotes. Our management team believes that this non-GAAP financial information, when considered with our GAAP financials, provide supplemental information useful for investors in evaluating our results of operations. This presentation also contains Core Earnings, a non-GAAP financial measure. Our presentation of non-GAAP financial information may not be comparable to similarly-titled measures of other companies, who may use different calculations. This non-GAAP financial information should not be considered a substitute for, or superior to, the financial measures calculated in accordance with GAAP. Our GAAP financial results and the reconciliations from these results should be carefully evaluated.

Who is Angelo Gordon?

A leading privately held alternative investment firm with a focus on Credit and Real Estate strategies

- 1988 company founded
- 100% owned by AG founders and employees, and their related parties
- \$32 billion Assets Under Management^(a)
- Over 450 employees^(a)
- Headquartered in New York with offices globally
- Angelo Gordon and employees have approximately \$1 billion of capital in our funds^(b)



(a) As of September 30, 2018

(b) Approximate as of September 30, 2018. Includes GP, affiliate and employee related investments and accrued performance allocations. Includes committed, but uncalled capital.

MITT Builds Upon Angelo Gordon's Expansive Real Estate Platform

- MITT benefits from Angelo Gordon's real estate, residential mortgage and real estate debt team expertise
 - 5 PMs, 60 investment professionals
- Bottom-up idea selection
- Broad investment pipeline
- Fluid, daily interaction supplemented by ongoing investment and risk meetings

Portfolio Manager(s)

Team Avg. Experience

Team Size

AG AUM^(a)

om Angelo state, residential eal estate debt estment		MITT David Roberts, CEO T.J. Durkin, CIO Brian Sigman, CFO		
selection nt pipeline				
action y ongoing				
risk meetings	Residential / Consumer Debt	Commercial Real Estate Debt	Private Equity Real Estate (U.S./EUR)	
	T.J. Durkin Yong Joe Jason Biegel	Andrew Solomon	Adam Schwartz	
	22	5	33	
	13 years	16 years	11 years	
	\$3.9 bn	\$1.3 bn	\$8.2 bn	

(a) As of September 30, 2018. Figures represent assets across the firm including commingled multi-strategy funds and multi-strategy separate accounts.



Angelo Gordon Platform Provides MITT a Competitive Advantage in Sourcing Residential and Consumer Debt Opportunities

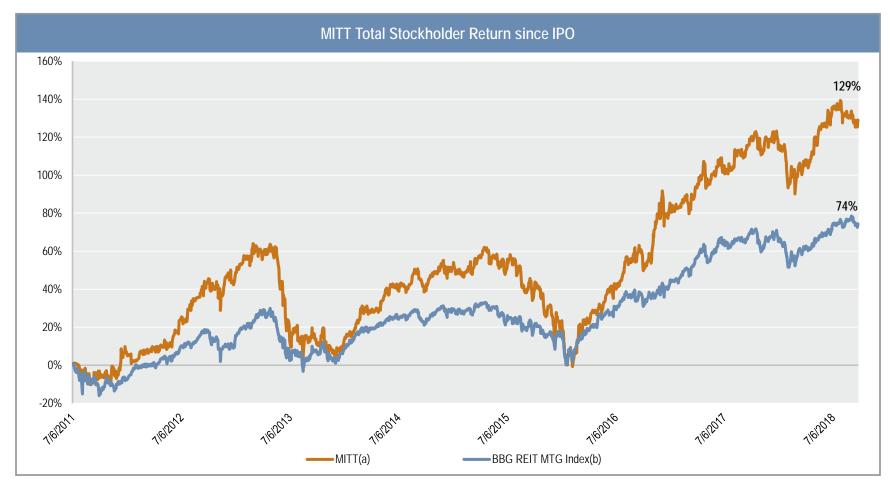
Experienced Residential and Consumer Debt Team	 Integrated mortgage credit team that has expanded to 22 professionals in order to meet the broadening opportunity set As one of the most active managers across the mortgage credit markets, Angelo Gordon has robust insight into market trends, fundamental performance and relative value
Prominent participant in the mortgage credit market as both a buyer and an issuer	 Angelo Gordon has purchased approximately \$63 billion^(a) of residential credit and consumer ABS since the MITT IPO As a buyer, we are a top counterparty to sell-side firms resulting in proprietary and offmarket deal flow Angelo Gordon has issued 14 transactions totaling approximately \$2.5 billion^(a) under its GCAT program since the MITT IPO Angelo Gordon was selected as one of nine PPIP managers by the U.S. Treasury in 2009 Net IRR of 24.8% and Net Multiple of Paid in Capital of 1.69x^(b)
Angelo Gordon Platform includes Arc Home, a licensed residential mortgage servicer and originator, and Red Creek, a wholly-owned asset management affiliate	 Arc Home and Red Creek offer additional insight into the U.S. residential mortgage market and the behavior of the U.S. consumer Arc Home gives MITT direct access to a captive, affiliated fully licensed mortgage originator for products such as Mortgage Servicing Rights, Non-QM whole loans and other residential mortgage credit Red Creek actively manages approximately 10,100 modified or distressed residential whole loans^(a) that MITT and other Angelo Gordon Funds own, providing real time, on the ground information about local housing markets

Angelo Gordon Platform Provides MITT a Competitive Advantage in Sourcing Commercial Real Estate Opportunities

Experienced Commercial Real Estate Debt team	 The team has purchased approximately \$9 billion^(a) of CMBS and Commercial Real Estate Debt since the MITT IPO 5 investment professionals with experience across all major segments of the real estate debt market including loan origination, special servicing, trading, CDO structuring, and private equity real estate investing
Experienced Private Equity Real Estate team	 The team has acquired over 160 properties at an aggregate purchase price of approximately \$11 billion^(b) since the MITT IPO 33 investment professionals Leveraging the resources of the Angelo Gordon platform, MITT acquired a stabilized portfolio of 1,225 Single-Family Rental properties from funds affiliated with Connorex-Lucinda, LLC ("Conrex"). The purchase price was approximately \$140 million and the portfolio was financed with approximately \$37 million of cash on hand and approximately \$103 million of 5-year, fixed rate debt
Angelo Gordon's Real Estate groups provide MITT the ability to source Commercial Real Estate lending opportunities	 The depth of the Private Equity Real Estate platform allows for sharing of local market information across real estate strategies Real estate is a "local business" – Angelo Gordon network includes 50 joint-venture operating partners with geographic and product type expertise Angelo Gordon's operating partner model offers critical and timely insight into local markets and sub-markets The Commercial Real Estate Debt investment team utilizes this local knowledge when analyzing individual loans in CMBS transactions CRE is an inefficient market and Angelo Gordon's broad relationships provide unique sourcing advantage to MITT

(a) As of 9/30/18 (b) As of 6/30/18

Focus on Driving Strong Long-Term Returns

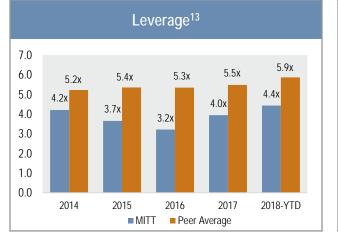


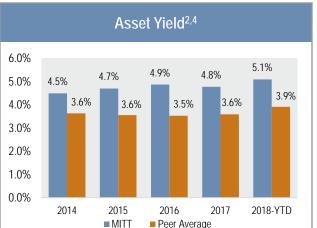
Data as of September 30, 2018.

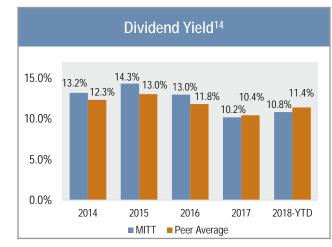
a) MITT's total stockholder return is calculated for the period July 6, 2011 through September 30, 2018. Total stockholder return is defined as stock price appreciation including reinvestment of dividends. Source: Bloomberg. b) Bloomberg REIT Mortgage Index total stockholder return for the period July 6, 2011 through September 30, 2018. The Bloomberg REIT Mortgage Index tracks publicly traded REITs whose principal business consists of originating, servicing or investing in residential mortgage interests. The index uses a modified market capitalization weighted methodology, and components are reviewed quarterly for eligibility. Source: Bloomberg.

MITT Delivers Attractive Returns with Lower Risk

- MITT has the ability to opportunistically allocate capital to drive long term stockholder value
- The Angelo Gordon platform has enabled MITT to maintain lower leverage, higher asset yield, and higher or comparable dividend yield versus the peer group
- MITT's diversified business model takes advantage of the evolving mortgage credit landscape







Note: Peers include MFA, IVR, WMC, DX, TWO, and NLY. MITT and peer financial data for Leverage and Asset Yield is based on available financial information in the company earnings presentation or as filed with the SEC and represents the average for all reportable quarters per respective fiscal year through September 30, 2018. Peer dividend data based on peer company press releases and Bloomberg data.



Quarterly Performance and Highlights

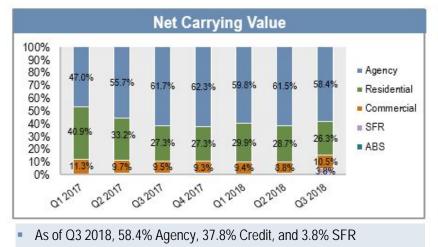
Q3 2018 Investment Portfolio Composition^{1,2}

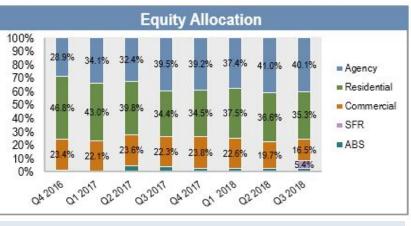
	Amortized Cost (mm)	Net Carrying Value (mm)	Percent of Net Carrying Value	Allocated Equity (mm) ³	Percent of Equity	Weighted Average Yield ⁴	Funding Cost ^(a)	NIM ^(a)	Leverage Ratio ^(b)
Agency RMBS ^(c)	\$2,163.6	\$2,136.8	58.4%	\$285.4	40.1%	3.9%	2.3%	1.6%	6.7x
Residential Investments ^(c)	904.2	962.2	26.3%	251.3	35.3%	6.7%	3.6%	3.1%	3.0x
Commercial Investments ^(c)	368.9	383.8	10.5%	117.2	16.5%	7.9%	3.7%	4.2%	2.3x
ABS	37.3	37.5	1.0%	19.4	2.7%	9.4%	3.6%	5.8%	1.0x
Single-Family Rental Properties	140.1	140.1	3.8%	38.5	5.4%	6.1%	4.8%	1.3%	2.7x
Total Investment Portfolio	\$3,614.1	\$3,660.4	100.0%	\$711.9	100.0%	5.2%	2.7%	2.5%	4.3x

(a) Funding cost and NIM shown in each investment category line exclude the costs of our interest rate hedges, however these costs are included in the total funding cost and NIM lines. The total funding cost and NIM lines excluding the cost of our interest rate hedges would be 2.8% and 2.4%, respectively.

(b) The leverage ratio on Agency RMBS includes any net receivables on TBA. The leverage ratio by type of investment is calculated based on allocated equity.³

(c) The table above includes fair value of \$0.9 million of Agency RMBS, \$159.6 million of Residential Investments and \$3.1 million of Commercial Investments that are included in the "Investments in debt and equity of affiliates" line item on our consolidated balance sheet.





As of Q3 2018, 40.1% Agency, 54.5% Credit and 5.4% SFR

Q3 2018 Performance and Highlights

- Third quarter 2018:
 - \$0.70 of Net Income/(Loss) per diluted common share⁵
 - \$0.59 of Core Earnings per diluted common share^{5,6}
 - Includes \$0.03 positive impact from payoffs of certain prime securities
 - Includes \$0.01 retrospective adjustment
 - 3.6% economic return on equity for the quarter, 14.4% annualized⁷
 - \$19.16 book value per share⁵ as of September 30, 2018, inclusive of our current quarter \$0.50 common dividend
 - Book value increased \$0.18 or 0.9% from the prior quarter primarily due to:
 - \$0.36 or 1.9% due to our Credit Investments
 - CRT and CMBS securities saw broad-based tightening during the quarter, while Legacy RMBS spreads remained at tight levels
 - \$(0.26) or (1.4)% due to our investments in Agency RMBS and associated derivative hedges
 - Agency RMBS spreads widened modestly during the quarter due to increased interest rates and market technical
 - \$0.09 or 0.5% due to core earnings above the \$0.50 dividend
- Issued approximately 512,000 shares of common stock for net proceeds of \$9.5 million through ATM Program

Q3 2018 Performance and Highlights² (cont'd)

- \$3.7 billion investment portfolio as of September 30, 2018 as compared to the \$3.6 billion investment portfolio as of June 30, 2018¹
 - Increase in portfolio size primarily due to the acquisition of the Single-Family Rental portfolio (SFR) and the purchase of commercial real estate loans
- 2.5% Net Interest Margin ("NIM") as of September 30, 2018⁸
 - Net Interest Margin declined primarily due to the increase in cost of funds related to a 25 bps increase in the federal funds rate in September and the addition of the SFR portfolio
- 4.3x "At Risk" Leverage as of September 30, 2018⁹

	9/30/2017	12/31/2017	3/31/2018	6/30/2018	9/30/2018
Yield on Investment Portfolio ⁴	4.7%	4.6%	5.0%	5.1%	5.2%
Cost of Funds ¹⁰	2.1%	2.2%	2.3%	2.4%	2.7%
NIM ⁸	2.6%	2.4%	2.7%	2.7%	2.5%
"At Risk" Leverage9	4.2x	4.4x	4.6x	4.4x	4.3x

Q3 2018 Activity

(\$ in millions)	Purch	ased Sold/Payo	off Net Activity
Description			
30 Year Fixed Rate	\$ 479	9.4 \$ (428.3)	\$ 51.1
Inverse Interest Only	11	1.1 (0.7)	10.4
Fixed Rate 30 Year TBA	497	7.8 (588.8)	<u>(91.0)</u>
Total Agency RMBS	988	3.3 (1,017.8)	(29.5)
Prime		- (69.9)	(69.9)
Alt-A/Subprime		- (6.9)	(6.9)
Credit Risk Transfer	ł	5.9 —	5.9
RPL/NPL Securities		- (5.5)	(5.5)
Re/Non-Performing Loans		- (4.0)	(4.0)
New Origination Loans	3'	<u> </u>	<u>31.5</u>
Total Residential Investments	37	7.4 (86.3)	(48.9)
Freddie Mac K-Series		2.6 —	2.6
CMBS Interest Only		— (0.7)	(0.7)
Commercial Loans	<u>5</u> ′	<u> </u>	<u>51.4</u>
Total Commercial Investments	54	4.0 (0.7)	53.3
Total Single-Family Rental Properties	140	0.6 —	140.6
Total Q3 Activity	\$1,220	0.3 \$(1,104.8)	\$115.5

- Acquired portfolio of single-family rental properties
- Purchased two commercial real estate loans
- Purchased several Non-QM pools alongside other Angelo Gordon funds
- Sold and received payoffs of prime securities

Note: The chart above is based on trade date.



Single-Family Rental Transaction Overview

Background

- Acquired a stabilized portfolio of 1,225 single-family homes from funds affiliated with Conrex
- The properties are located in Alabama, Georgia, Indiana, North Carolina, Ohio, South Carolina and Tennessee
- The aggregate purchase price of the portfolio was approximately \$140 million
- MITT entered into a property management services agreement with Conrex, whereby Conrex continues to provide property management services related to the leasing, management, maintenance and day-to-day operations of the properties

Portfolio Benefits

- We expect targeted levered returns of approximately 10% with upside to increasing rents and continued operating efficiencies
- The stabilized portfolio provides MITT with strong initial cash flow stream in excess of our financing cost
- Conrex is incentivized to maximize the portfolio performance as the property manager, as it only receives a performance-based fee if certain hurdles are met

Portfolio Statistics as of 9/30/18 Gross Carrying Value^(a) \$140.6 Accumulated Depreciation and Amortization^(a) (0.5)Net Carrying Value^(a) \$140.1 Total Number of Homes 1,225 89.3% Occupancy Average Square Footage 1,460 Average Monthly Rental Income per Home \$1,007 **Operating Margin** 57.3%

(a) \$ in millions

Duration Gap¹¹

Duration gap was approximately 1.12 years as of September 30, 2018

Duration	Years
Agency	3.11
Hedges	<u>(3.03)</u>
Agency Gap Subtotal	0.08
Credit	<u>1.04</u>
Duration Gap	1.12

Duration gap was approximately 1.08 years as of June 30, 2018

Duration	Years
Agency	2.93
Hedges	<u>(2.95)</u>
Agency Gap Subtotal	(0.02)
Credit	<u>1.10</u>
Duration Gap	1.08

Investment Opportunity Set

Agency RMBS	 Hypothetical Duration Hedged Levered ROE: 8-14%^{(a)(b)} 30/20/15 Year Fixed Rate, Hybrid ARM, Fixed Rate CMO, Agency IO, Inverse IO, Excess MSRs
Residential Investments	 Hypothetical Levered ROE: 8-14%^(b) CRT, NPL, RPL, Non-QM, Legacy
Commercial Investments	 Hypothetical Levered ROE: 10-16%^(b) Conduit, Single Asset/Single Borrower, Freddie Mac K-series, Commercial Loans
ABS	 Hypothetical Levered ROE: 8-14%^(b) Consumer, auto backed debt, credit card, other non-residential ABS
Single-Family Rental Properties	 Hypothetical Levered ROE: 8-12%^(b)
(a) Hypothetical levered returns on Agency RMBS are presente	d on a duration hedged basis, net of related costs.

(a) Hypothetical levered returns on Agency RMBS are presented on a duration hedged basis, net of related costs.

(b) ROE values are presented gross of management fee and other corporate expenses.

Note: The above-listed investment opportunity set represents a subset of the types of assets that the Company can acquire. The hypothetical Levered Returns on Equity ("ROE") depicted above are dependent on a variety of inputs and assumptions, which are assumed to be static, and do not reflect the impact of operating expenses. Actual returns could differ materially from those presented based on a number of factors, including changes in interest rates, spreads, prepayments, asset values, funding levels, risk positions, hedging costs, expenses, occupancy, rental rates and other factors.





Footnotes

- 1. The investment portfolio at period end is calculated by summing the net carrying value of our Agency RMBS, any long positions in TBAs, Residential Investments, Commercial Investments, ABS Investments are held at fair market value and our SFR portfolio is held at historical cost less depreciation and amortization and any adjustments related to impairment. Our Credit Investments refer to our Residential Investments, Commercial Investments and Single-Family Rental. Refer to footnote 2 for more information on the GAAP accounting for certain items included in our investment portfolio. The percentage of net carrying value includes any net TBA positions and securities and mortgage loans owned through investments in affiliates and is exclusive of AG Arc LLC. Agency RMBS include fair value of \$0.9 million of investment in debt and equity of affiliates related to Excess MSRs. Credit Investments include fair value of \$162.7 million of investment in debt and equity of affiliates comprised of \$97.4 million of Re/Non-Performing Loans, \$62.2 million of New Origination Loans, \$0.4 mm of Interest Only and \$2.7 million of Freddie Mac K-Series. These items, inclusive of our investment in AG Arc LLC and other items, net to \$79.7 million which is included in the "Investments in debt and equity of affiliates" line item on our GAAP Balance Sheet. See footnote 12 for further details on AG Arc LLC.
- 2. Generally, when we purchase an investment and employ leverage, the investment is included in our assets and the leverage is reflected in our liabilities on our consolidated balance sheet as either "Financing arrangements" or "Securitized debt, at fair value." Throughout this presentation where we disclose our investment portfolio and the related financing, we have presented this information inclusive of (i) securities and mortgage loans owned through our investments in affiliates that are accounted for under GAAP using the equity method and (ii) long positions in TBAs, which are accounted for as derivatives under GAAP. This presentation excludes investments through AG Arc LLC unless otherwise noted. This presentation of our investment portfolio is consistent with how our management evaluates the business, and we believe this presentation, when considered with the GAAP presentation, provides supplemental information useful for investors in evaluating our investment portfolio and financial condition. See footnote 12 for further details on AG Arc LLC.
- 3. The Company allocates its equity by investment using the net carrying value of its investment portfolio, less any associated leverage, inclusive of any long TBA position (at cost). The Company allocates all noninvestment portfolio related items based on their respective characteristics in order to sum to the Company's stockholders' equity per the consolidated balance sheets. The Company's equity allocation method is a non-GAAP methodology and may not be comparable to similarly titled measures or concepts of other companies, who may use different calculations.
- 4. The yield on our debt investments represents an effective interest rate, which utilizes all estimates of future cash flows and adjusts for actual prepayment and cash flow activity as of quarter-end. The yield on our SFR portfolio represents annualized net operating income for the quarter. This calculation excludes cash held by the Company and excludes any net TBA position. The calculation of weighted average yield is weighted based on net carrying value.
- 5. Diluted per share figures are calculated using weighted average outstanding shares in accordance with GAAP. Per share figures are calculated using a denominator of all outstanding common shares including all shares granted to our Manager and our independent directors under our equity incentive plans as of quarter-end. Book value uses stockholders' equity less net proceeds of the Company's 8.25% Series A and 8.00% Series B Cumulative Redeemable Preferred Stock as the numerator.
- 6. Core Earnings are defined as Net Income/(loss) available to common stockholders excluding (i) unrealized and realized gains/(losses) on the sale or termination of securities, if any, on such sale or termination, loans, derivatives and other instruments, (ii) beginning with Q2 2018, any transaction related expenses incurred in connection with the acquisition or disposition of our investments, (iii) beginning with Q3 2018, any depreciation or amortization expense related to our SFR portfolio and, (iv) beginning with Q3 2018, accrued deal related performance fees payable to Arc Home and third party operators to the extent the primary component of the accrual relates to items that are excluded from core earnings, such as unrealized and realized gains/(losses). Items (i) through (iv) above include any amounts related to those items held in affiliated entities. Management considers the transaction related expenses referenced in (ii) above to be similar to realized losses incurred at acquisition or disposition and do not view them as being part of its core operations. Management also acknowledges that while deal related performance fees may be a material operating expense, they have been excluded from core because the primary component of the computation of the expense relates to items (such as gains or losses) that are excluded from core earnings. As defined, Core Earnings include the net interest income and other income earned on our investments on a yield adjusted basis, including TBA dollar roll income or any other investment activity that may earn or pay net interest or its economic equivalent. Core Earnings includes earnings from AG Arc LLC. Earnings from AG Arc LLC were \$0.3 million in the third quarter of 2018. See footnote 12 for further details on AG Arc LLC.
- 7. The economic return on equity for the quarter represents the change in book value per share from June 30, 2018 to September 30, 2018, plus the common dividends declared over that period, divided by book value per share as of June 30, 2018. The annualized economic return on equity is the quarterly return on equity multiplied by four.

Footnotes (cont.)

- 8. Net interest margin is calculated by subtracting the weighted average cost of funds from the weighted average yield for the Company's investment portfolio, which excludes cash held by the Company. Net interest margin also excludes any net TBA position. See footnotes 4 and 10 for further detail.
- 9. "At Risk" Leverage is calculated by dividing total financing, including any net TBA position, by our GAAP stockholders' equity at quarter-end. Our net TBA position (at cost) was \$75.2 million, \$166.2 million, \$143.7 million, \$102.5 million, and \$121.6 million for the periods ending September 30, 2018, June 30, 2018, March 31, 2018, December 31, 2017, and September 30, 2017, respectively. Total financing at quarter-end, and when shown, daily weighted average total financing, includes financing arrangements inclusive of financing arrangements through affiliated entities, exclusive of any financing utilized through AG Arc LLC, plus the payable on all unsettled buys less the financing on all unsettled sells, securitized debt, and any net TBA position (at cost). Total financing excludes any financing arrangements and unsettled trades on U.S. Treasuries.
- 10. The cost of funds during the quarter is calculated by annualizing the sum of our interest expense and net interest component on all derivative instruments and dividing that sum by our daily weighted average total financing for the period. Interest earning/paying derivative instruments may include interest rate swaps and U.S. Treasuries. The cost of funds at quarter-end is calculated as the sum of (i) the weighted average funding costs on total financing outstanding at quarter-end and (ii) the weighted average of the net pay rate on our interest rate swaps, the net receive rate on our Treasury long positions, the net pay rate on our Treasury short positions and the net receivable rate on our IO index derivatives, if any. Both elements of the cost of funds at quarter-end are weighted by the outstanding financing arrangements and securitized debt outstanding at quarter-end, excluding financing arrangements associated with U.S. Treasury positions. The cost of funds excludes any net TBA position.
- 11. The Company estimates duration based on third-party models. Different models and methodologies can produce different effective duration estimates for the same securities. We allocate the net duration by asset type based on the interest rate sensitivity. Duration includes any net TBA position. Duration does not include our equity interest in AG Arc LLC or our investment in SFR. Duration related to financing agreements is netted within its respective agency and credit line items.
- 12. The Company invests in Arc Home LLC through AG Arc LLC, one of its indirect subsidiaries.
- 13. "Leverage" in the heading of the chart on slide 7 for us refers to our "At Risk" Leverage. See footnote 9 for a description of our "At Risk" Leverage. For our peers, "Leverage" refers to the most comparable disclosed leverage for each peer for each period based on available financial information in the company earnings presentation or as filed with the SEC.
- 14. Each quarter's dividend yield is calculated by annualizing such quarter's dividend and dividing by that quarter end stock price. Dividend yield represents the average for all reported quarters per respective fiscal year.



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