



# Q4 2022 Stockholder Presentation

January 31, 2023

## Safe harbor statement under the private securities litigation reform act of 1995

**This presentation contains statements that, to the extent they are not recitations of historical fact, constitute "forward-looking statements" within the meaning of the Private Securities Litigation Reform Act of 1995 (the "Reform Act"). All such forward-looking statements are intended to be subject to the safe harbor protection provided by the Reform Act. Actual outcomes and results could differ materially from such forecasts due to the impact of many factors beyond the control of AGNC Investment Corp. ("AGNC" or the "Company"). All forward-looking statements included in this presentation are made only as of the date of this presentation and are subject to change without notice. Certain important factors that could cause actual results to differ materially from those contained in the forward-looking statements are included in our periodic reports filed with the Securities and Exchange Commission ("SEC"). Copies are available on the SEC's website at [www.sec.gov](http://www.sec.gov). AGNC disclaims any obligation to update such forward-looking statements unless required by law.**

**The following slides contain summaries of certain financial and statistical information about AGNC. They should be read in conjunction with our periodic reports that are filed from time to time with the SEC. Historical results discussed in this presentation are not indicative of future results.**



Type:  
**Common Stock**

Exchange / Ticker:  
**Nasdaq / AGNC**

IPO Price:  
**\$20.00 Per Share**

Tangible Net Book Value<sup>2</sup>:  
**\$9.84 Per Share**

IPO Date:  
**May 2008**

Total Dividends Paid Since IPO<sup>1</sup>:  
**\$45.76 Per Share**

Total Common Equity Capital<sup>2</sup>:  
**\$6.2 B**



Type:  
**Preferred Stock**

Preferred Stock:	Type:	Issue Date:	Ticker:	Annual Dividend Rate <sup>1</sup> :	Depository Shares Outstanding <sup>6</sup> :	Aggregate Liquidation Preference:
Series C <sup>4</sup>	Fixed-to-Floating Rate	Aug 22, 2017	AGNCN	9.94071%	13.0 Million	\$325 Million
Series D <sup>5</sup>	Fixed-to-Floating Rate	Mar 6, 2019	AGNCM	6.875%	9.4 Million	\$235 Million
Series E <sup>5</sup>	Fixed-to-Floating Rate	Oct 3, 2019	AGNCO	6.500%	16.1 Million	\$403 Million
Series F <sup>5</sup>	Fixed-to-Floating Rate	Feb 11, 2020	AGNCP	6.125%	23.0 Million	\$575 Million
Series G <sup>5</sup>	Fixed-Rate Reset	Sept 14, 2022	AGNCL	7.750%	6.0 Million	\$150 Million

Note: Information as of Dec 31, 2022 unless otherwise indicated

- As of Jan 15, 2023
- "Tangible Net Book Value" and "Total Common Equity Capital" are net of preferred stock liquidation preference
- Series C, D, E, F and G preferred stock are redeemable at the Company's option, in whole or in part, at their liquidation preference of \$25 per depository share, plus any accumulated and unpaid dividends, on or after Oct 15, 2022, April 15, 2024, Oct 15, 2024, April 15, 2025 and Oct 15, 2027, respectively
- Series C accrues at a floating rate equal to 3M LIBOR plus a spread of 5.111%, per annum. The annual dividend rate is as of the most recent dividend determination date
- At the conclusion of the Series D, E, and F fixed rate period on Apr 15, 2024, Oct 15, 2024 and Apr 15, 2025, respectively, the preferred stock dividend will accrue at a floating rate equal to 3M LIBOR plus a spread of 4.332%, 4.993% and 4.697%, respectively, per annum. At the conclusion of the Series G initial fixed rate period on Oct 15, 2027, and every five years thereafter, the Series G dividend rate will reset to a rate equal to the five-year US Treasury rate plus a spread of 4.39%, per annum
- Each depository share outstanding represents a 1/1,000th interest in a share of preferred stock

- **\$1.17 Comprehensive Income per Share, Comprised of:**
  - \$0.93 net income per share
  - \$0.24 other comprehensive income (“OCI”) per share on investments marked-to-market through OCI
- **\$0.74 Net Spread and Dollar Roll Income per Share, Excluding Estimated “Catch-Up” Premium Amortization Cost <sup>1</sup>**
  - Includes \$0.11 per share of dollar roll income associated with a \$19.0 B average net long position in forward purchases and sales of Agency MBS in the “to-be-announced” (“TBA”) market <sup>2</sup>
  - Excludes \$(0.01) per share of estimated “catch-up” premium amortization cost due to change in projected constant prepayment rate (“CPR”) estimates
- **\$9.84 Tangible Net Book Value per Share as of Dec 31, 2022**
  - Increased \$0.76 per share, or 8.4%, from \$9.08 per share as of Sep 30, 2022
  - Excludes \$526 MM, or \$0.92 per share, of goodwill as of Dec 31, 2022
- **\$0.36 Dividends Declared per Share for the Fourth Quarter**
- **12.3% Economic Return on Tangible Common Equity for the Quarter**
  - Comprised of \$0.36 dividends per share and \$0.76 increase in tangible net book value per share

Note: Per share amounts included throughout this presentation are per share of common stock, unless otherwise indicated. Income and loss per share amounts included throughout this presentation are per diluted common share, unless otherwise indicated

1. Represents a non-GAAP measure. Refer to the supplemental slides later in this presentation for a reconciliation and further discussion of non-GAAP measures

2. Dollar roll income is recognized in gain (loss) on derivative instruments and other securities, net

- **\$59.5 B Investment Portfolio as of Dec 31, 2022**
  - \$39.5 B Agency MBS
  - \$18.6 B net TBA mortgage position
  - \$1.4 B credit risk transfer (“CRT”) and non-Agency securities
- **7.4x Tangible Net Book Value “At Risk” Leverage as of Dec 31, 2022 <sup>1</sup>**
  - 7.8x average tangible net book value “at risk” leverage for the quarter
- **Cash and Unencumbered Agency MBS Totaled \$4.3 B as of Dec 31, 2022**
  - Excludes unencumbered CRT and non-Agency securities
  - Represents 59% of tangible equity as of Dec 31, 2022
- **7.4% Average Projected Portfolio Life CPR as of Dec 31, 2022**
  - 6.8% actual portfolio CPR for the quarter
- **2.74% Annualized Net Interest Spread and TBA Dollar Roll Income for the Quarter, Excluding Estimated “Catch-Up” Premium Amortization Cost <sup>2</sup>**
  - Excludes -3 bps of “catch-up” premium amortization cost due to change in projected CPR estimates
- **Capital Markets Activity**
  - Issued 23.3 MM common shares through At-the-Market (“ATM”) Offerings at an average offering price of \$8.02 per share, net of costs, or \$187 MM

1. Tangible net book value “at risk” leverage calculated as sum of repurchase agreements used to fund Agency and non-Agency MBS and CRT investments (collectively “Agency Repo”), net TBA position and forward settling non-Agency securities (at cost), net payable/receivable for investment securities not yet settled, and other debt divided by the sum of total stockholders’ equity less goodwill

2. Net interest spread and TBA dollar roll income calculated as the average asset yield, less average cost of funds (actual and implied). Average cost of funds includes Agency Repo, TBA implied cost of funds, other debt and periodic swap cost. Cost of funds excludes other supplemental hedges (such as swaptions), U.S. Treasury positions and U.S. Treasury repurchase agreements

- **\$(4.22) Comprehensive Loss per Share, Comprised of:**
  - \$(2.41) net loss per share
  - \$(1.81) OCI per share
- **\$3.11 Net Spread and Dollar Roll Income per Share, Excluding Estimated "Catch-Up" Premium Amortization Benefit <sup>1</sup>**
  - Includes \$0.96 per share of dollar roll income
  - Excludes \$0.44 per share of estimated "catch-up" amortization benefit
- **\$1.44 in Dividends Declared per Share**
- **(28.4)% Economic Return on Tangible Common Equity for the Year, Comprised of:**
  - \$1.44 dividends per share
  - \$(5.91) decrease in tangible net book value per share, or (37.5)%, from \$15.75 per share as of Dec 31, 2021
- **(21.7)% Total Stock Return <sup>2</sup>**
- **Capital Markets Activity**
  - Repurchased 4.7 MM common shares, at an average repurchase price of \$10.78 per share, net of costs, or \$51 MM
  - Issued 56.0 MM common shares, through ATM Offerings at an average offering price of \$9.39 per share, net of costs, or \$526 MM
  - Issued \$150 MM of 7.75% Series G Fixed-Rate Reset preferred equity

1. Represents a non-GAAP measure. Refer to the supplemental slides later in this presentation for a reconciliation and further discussion of non-GAAP measures

2. Total stock return includes common stock price appreciation and dividend reinvestment. Dividends assumed to be reinvested at the closing price on the ex-dividend date. Source Bloomberg

Q4 2022							Q4 2022						
Security	12/31/21	3/31/22	6/30/22	9/30/22	12/31/22	Δ Rate % / Price <sup>2</sup>	Security	12/31/21	3/31/22	6/30/22	9/30/22	12/31/22	Δ Rate % / Price <sup>2</sup>
<b>SOFR Swap Rates <sup>1</sup></b>							<b>Treasury Rates <sup>1</sup></b>						
2 Yr Swap	0.74%	2.28%	2.99%	4.25%	4.45%	+0.20% / -0.36	2 Yr UST	0.73%	2.34%	2.96%	4.28%	4.43%	+0.15% / -0.28
5 Yr Swap	1.12%	2.25%	2.79%	3.85%	3.75%	-0.10% / +0.49	5 Yr UST	1.26%	2.46%	3.04%	4.09%	4.01%	-0.08% / +0.39
10 Yr Swap	1.32%	2.13%	2.81%	3.59%	3.56%	-0.03% / +0.27	10 Yr UST	1.51%	2.34%	3.02%	3.83%	3.88%	+0.05% / -0.37
30 Yr Swap	1.46%	1.97%	2.66%	3.07%	3.21%	+0.14% / -2.65	30 Yr UST	1.90%	2.45%	3.19%	3.78%	3.97%	+0.19% / -3.28
<b>Agency 30 Year Fixed Rate MBS Price <sup>3</sup></b>							<b>Mortgage Rates and Credit Spreads <sup>4</sup></b>						
2.00%	99.79	92.84	86.96	80.91	81.69	+0.78	CC to 5 Yr UST Spread	81	103	134	159	138	-21
2.50%	102.12	95.45	90.09	83.94	84.96	+1.02	CC to 10 Yr UST Spread	56	115	136	185	151	-34
3.00%	103.68	97.86	93.27	86.97	88.02	+1.05	CC to 5/10 Yr UST Spread	68	109	136	171	145	-26
3.50%	105.32	100.21	96.29	89.95	91.10	+1.15	30 Yr Agency CC	2.07%	3.49%	4.38%	5.68%	5.39%	-0.29%
4.00%	106.44	102.10	98.74	92.73	94.03	+1.30	30 Yr Mortgage Rate	3.27%	4.90%	5.83%	7.06%	6.66%	-0.40%
4.50%	107.19	103.73	100.51	95.21	96.59	+1.38	CRT M2	175	385	544	633	514	-119
5.00%	109.22	105.13	102.17	97.39	98.80	+1.41	CMBS AAA	74	101	131	145	127	-18
5.50%	111.77	105.72	103.87	99.46	100.47	+1.01	CDX IG	49	67	101	108	82	-26
6.00%	109.25	106.56	104.63	101.61	101.69	+0.08	CDX HY	291	373	581	614	486	-128

Note: Price information is provided for illustrative purposes only, is for generic instruments and is not meant to be reflective of securities held by AGNC. Prices can vary materially depending on the source

1. Source: Bloomberg

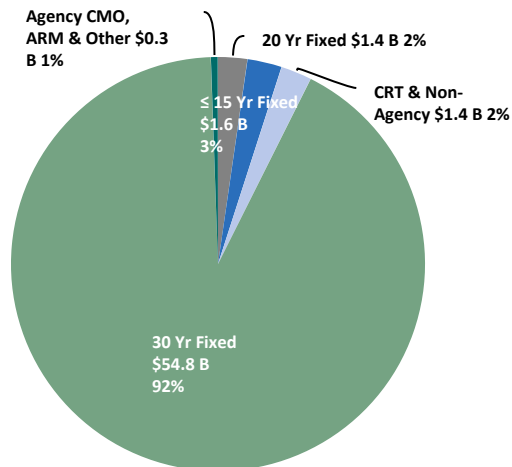
2. Change in Treasury and swap prices derived from Constant Maturity Treasury and Constant Maturity Swap and DV01 from JP Morgan

3. Source: Barclays

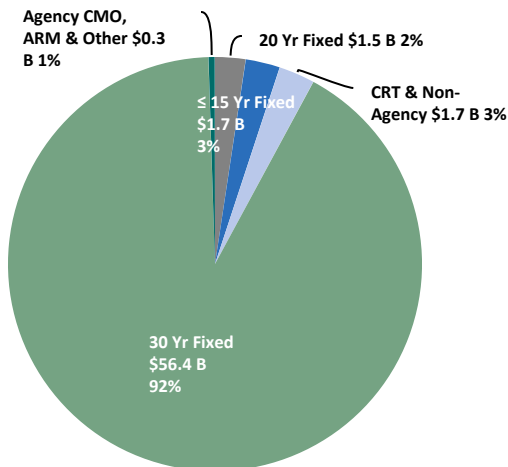
4. CC represents the current coupon yield. Current Coupon yields and 30 Yr Mortgage Rates are sourced from Bloomberg. CRT spreads are the average spread on M2s at quarter end from deals priced in that quarter using spread or price data from JP Morgan. CMBS spreads are spreads to the Treasury curve and are averages of JP Morgan and Wells Fargo. CDX spreads are sourced from JP Morgan.

# Agency Portfolio Update

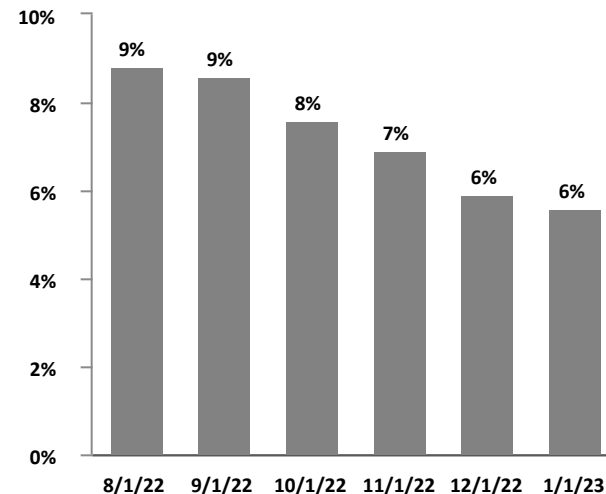
As of 12/31/22  
\$59.5 B Portfolio  
Including Net TBA Position



As of 9/30/22  
\$61.5 B Portfolio  
Including Net TBA Position



AGNC Actual CPR <sup>1</sup>



## 30 Year - \$54.8 B Portfolio (92% of Total) as of 12/31/22

(\$ In Millions)					Jan '23	12 M	Life
Coupon	FMV	%	Specified Pool % <sup>2</sup>	WALA <sup>3</sup>	1 M Actual CPR <sup>1</sup>	Forecast CPR <sup>4</sup>	Forecast CPR <sup>4</sup>
≤ 2.5%	\$5,264	10%	37%	20	4%	4%	6%
3.0% - 4.0%	15,925	29%	86%	70	6%	6%	7%
≥ 4.5%	15,018	27%	62%	20	5%	4%	8%
<b>30 Year MBS</b>	<b>36,207</b>	<b>66%</b>	<b>69%</b>	<b>42</b>	<b>6%</b>	<b>5%</b>	<b>7%</b>
<b>Net TBA</b>	<b>18,574</b>	<b>34%</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>
<b>Total 30 Year</b>	<b>\$54,781</b>	<b>100%</b>	<b>46%</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>

## ≤15 Year - \$1.6 B Portfolio (3% of Total) as of 12/31/22

(\$ In Millions)					Jan '23	12 M	Life
Coupon	FMV	%	Specified Pool % <sup>2</sup>	WALA <sup>3</sup>	1 M Actual CPR <sup>1</sup>	Forecast CPR <sup>4</sup>	Forecast CPR <sup>4</sup>
≤ 2.5%	\$281	18%	100%	36	6%	4%	8%
3.0% - 4.0%	1,313	82%	98%	59	9%	7%	11%
≥ 4.5%	3	—%	97%	144	13%	15%	17%
<b>≤ 15 Year MBS</b>	<b>1,597</b>	<b>100%</b>	<b>98%</b>	<b>55</b>	<b>8%</b>	<b>7%</b>	<b>11%</b>
<b>Net TBA</b>	<b>—</b>	<b>—%</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>
<b>Total ≤ 15 Year</b>	<b>\$1,597</b>	<b>100%</b>	<b>98%</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>

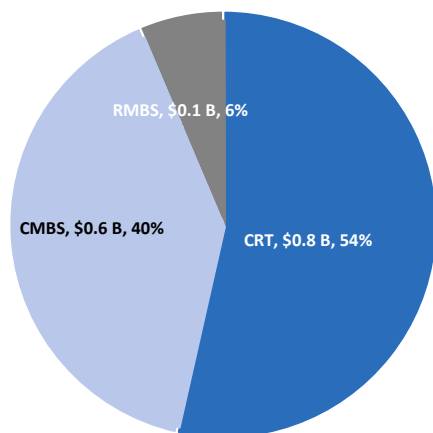
Note: Amounts may not total due to rounding

1. Wtd/avg actual 1 month annualized CPR released at the beginning of each month based on securities held as of the preceding month-end, excludes net TBA position
2. Specified pools include pools backed by lower balance loans with original loan balances of up to \$200K, HARP pools (defined as pools that were issued between May 2009 and Dec 2018 and backed by 100% refinance loans with original LTVs ≥ 80%) and pools backed by loans 100% originated in N.Y. and Puerto Rico. Lower balance pools have a wtd. avg. original loan balance of \$123 K for ≤15-year and \$140 K for 30-year securities as of Dec 31, 2022. HARP pools have a wtd. avg. original LTV of 128% for ≤15-year and 138% for 30-year securities as of Dec 31, 2022
3. WALA represents the weighted average loan age presented in months, excluding net TBA position
4. Average projected CPR as of Dec 31, 2022 excludes net TBA position

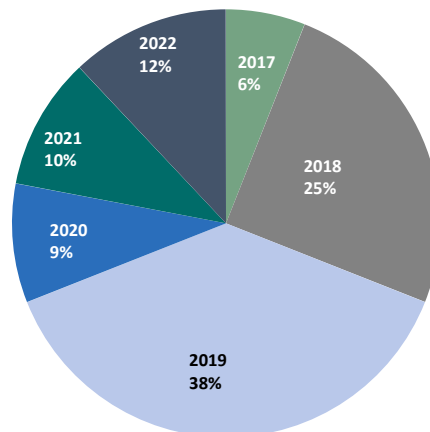


# Credit Portfolio Update<sup>1</sup>

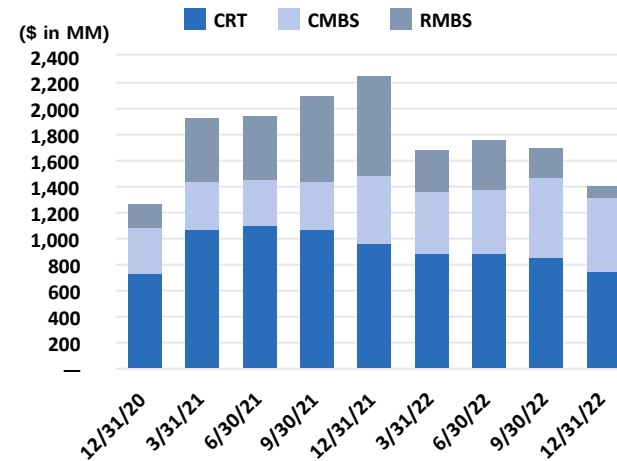
## Credit Portfolio \$1.4 B as of Dec 31, 2022



## GSE CRT Portfolio by Issuance Year



## Historical Credit Portfolio



## Credit Portfolio Characteristics<sup>2</sup>

Sector	Current Face	FMV	%	Price	Coupon	Credit Enhancement <sup>5</sup>	60+ DQ <sup>5</sup>	HPI LTV <sup>6</sup>
GSE Credit Risk Transfer	\$772	\$757	54%	98.08	8.49%	2.15%	2.05%	53.12%
New Issue Jumbo/Conforming	113	90	6%	79.48	4.28%	10.76%	2.04%	45.35%
<b>Residential Credit Total</b>	<b>885</b>	<b>847</b>	<b>60%</b>	<b>95.71</b>	<b>8.04%</b>	<b>3.05%</b>	<b>2.05%</b>	<b>52.31%</b>
Conduit	135	118	8%	87.72	4.20%	22.75%	3.02%	N/A
Single Asset/Single Borrower	354	332	23%	93.92	6.76%	36.16%	0.00%	N/A
CRE CLO	120	117	8%	97.19	6.17%	46.37%	0.00%	N/A
<b>Commercial Credit Total</b>	<b>609</b>	<b>567</b>	<b>40%</b>	<b>93.19</b>	<b>6.10%</b>	<b>35.47%</b>	<b>0.63%</b>	<b>N/A</b>
<b>Total</b>	<b>\$1,494</b>	<b>\$1,414</b>	<b>100%</b>	<b>94.68</b>	<b>7.26%</b>	<b>16.06%</b>	<b>1.48%</b>	<b>52.31%</b>

## Ratings Distribution by Sector<sup>2,3</sup>

Sector	AAA	AA	A	BBB	Below Investment Grade	Total
GSE Credit Risk Transfer	0%	0%	2%	12%	86%	100%
New Issue Jumbo/Conforming	10%	3%	15%	44%	28%	100%
<b>Residential Credit Total</b>	<b>1%</b>	<b>1%</b>	<b>3%</b>	<b>15%</b>	<b>80%</b>	<b>100%</b>
Conduit	4%	73%	13%	5%	5%	100%
Single Asset/Single Borrower	19%	9%	7%	18%	47%	100%
CRE CLO	100%	0%	0%	0%	0%	100%
<b>Commercial Credit Total</b>	<b>33%</b>	<b>20%</b>	<b>7%</b>	<b>11%</b>	<b>29%</b>	<b>100%</b>
<b>Total</b>	<b>14%</b>	<b>8%</b>	<b>5%</b>	<b>14%</b>	<b>59%</b>	<b>100%</b>

- Amounts exclude limited partnership interest in a mortgage credit investment fund totaling \$25 million as of Dec 31, 2022 reported in Non-Agency Securities, at Fair Value, and Other Mortgage Credit Investments on the Consolidated Balance Sheet
- As of Dec 31, 2022
- Represents the lowest of Standard and Poor's ("S&P"), Moody's, Fitch, DBRS, Kroll Bond Rating Agency ("KBRA") and Morningstar credit ratings, stated in terms of the S&P equivalent rating
- Excludes interest only securities (face value of \$58MM as of Dec 31, 2022)
- Credit Enhancement and Delinquencies are sourced from Remittance Reports/INTEX/Bloomberg; interest only securities are excluded
- Source: Bloomberg

- **Our average Agency Repo cost for the fourth quarter was 3.55%, compared to 1.89% for the third quarter**
  - As of Dec 31, 2022, our Agency Repo cost was 4.31%, compared to 2.85% as of Sep 30, 2022, and the average maturity was 23 days compared to 35 days, respectively
- **Our total cost of funds, inclusive of our TBA dollar roll funding and interest rate swaps, for the fourth quarter was 0.94%, compared to 0.50% for the third quarter**
- **\$17.8 B of Agency Repo funded through captive broker-dealer subsidiary, Bethesda Securities, as of Dec 31, 2022, compared to \$19.6 B as of Sep 30, 2022**

Agency Repurchase Agreements <sup>1</sup>				
As of Dec 31, 2022				
Maturity	%	Amount (\$ MM)	Interest Rate	Days to Maturity
≤ 3 Mths	96%	\$34,475	4.43%	18
> 3 to ≤ 6	4%	1,433	1.42%	141
<b>Total / Wtd Avg</b>	<b>100%</b>	<b>\$35,908</b>	<b>4.31%</b>	<b>23</b>
As of Sep 30, 2022				
<b>Total / Wtd Avg</b>	<b>100%</b>	<b>\$39,072</b>	<b>2.85%</b>	<b>35</b>

Average Cost of Funds <sup>2</sup>			
For Q4 2022			
	%	Amount (\$ MM)	Interest Rate <sup>2</sup>
Agency Repo	65%	\$35,486	3.55%
TBA Funding	35%	18,988	3.41%
<b>Total Funding Liabilities</b>	<b>100%</b>	<b>\$54,474</b>	<b>3.50%</b>
Interest Rate Swaps	84%	\$45,921	(2.56)%
<b>Total Avg. Cost of Funds</b>	<b>N/A</b>	<b>N/A</b>	<b>0.94%</b>

1. Includes CRT and non-Agency MBS repurchase agreements and excludes debt of consolidated VIE's and U.S. Treasury repurchase agreements

2. Refer to slide 17 for additional information regarding our average cost of funds

# Hedging Summary

- **Our hedge portfolio totaled \$67.6 B and covered 124% of our funding liabilities (Agency Repo, other debt and net TBA position) as of Dec 31, 2022, compared to 118% as of Sep 30, 2022**
- **Interest Rate Swaps**
  - \$47.8 B pay fixed swaps as of Dec 31, 2022, an increase of \$0.7 B from Sep 30, 2022
  - Covered 88% of funding liabilities as of Dec 31, 2022, as compared to 81% as of Sep 30, 2022
  - 81% and 19% of swaps indexed to SOFR and OIS, respectively, as of Dec 31, 2022
- **Payer Swaptions**
  - \$3.1 B payer swaptions
  - Decrease of \$0.4 B from Sep 30, 2022
- **U.S. Treasury Securities and Futures**
  - \$16.7 B short Treasury position
  - Decrease of \$1.7 B from Sep 30, 2022

Hedge Portfolio Summary As of Dec 31, 2022				
\$ in MM	Amount 12/31/2022	Duration 12/31/2022 <sup>1</sup>	Net Hedge Gains/ (Losses) Q4 2022 <sup>2</sup>	Net Hedge Gains/ (Losses) Per Share Q4 2022
Interest Rate Swaps	\$47,825	(2.7)	\$(191)	\$(0.34)
Payer Swaptions	3,050	(5.7)	(9)	(0.02)
U.S. Treasuries, Net Short	16,686	(7.5)	(145)	(0.25)
<b>Total / Q4 2022 <sup>3</sup></b>	<b>\$67,561</b>	<b>(4.6)</b>	<b>\$(345)</b>	<b>\$(0.61)</b>
As of Sep 30, 2022 / Q3 2022				
<b>Total / Q3 2022 <sup>3</sup></b>	<b>\$68,927</b>	<b>(4.4)</b>	<b>\$2,459</b>	<b>\$4.65</b>

Interest Rate Swaps As of Dec 31, 2022				
Years to Maturity	Notional Amount (\$ MM)	Pay Rate	Receive Rate	Average Maturity (Years)
≤ 3 Years	\$27,500	0.12%	4.31%	1.6
> 3 to ≤ 5	10,550	0.22%	4.31%	3.8
> 5 to ≤ 7	5,625	0.85%	4.30%	6.1
> 7 to ≤ 10	3,650	1.60%	4.31%	8.4
> 10	500	3.54%	4.30%	10.0
<b>Total / Wtd Avg</b>	<b>\$47,825</b>	<b>0.37%</b>	<b>4.31%</b>	<b>3.2</b>
As of Sep 30, 2022				
<b>Total / Wtd Avg</b>	<b>\$47,125</b>	<b>0.21%</b>	<b>3.00%</b>	<b>3.5</b>

1. Duration is a model estimate of interest rate sensitivity measured in years as of a point in time.

2. Net hedge gains/losses exclude periodic swap costs and TBA dollar roll income (both components of net spread income) and mark-to-market gains/losses on our net TBA dollar roll position

3. Total duration is expressed in the asset unit equivalent

<b>Duration Gap Sensitivity<sup>1,2</sup></b>			
<b>As of Dec 31, 2022</b>			
	<b>Rates - 100 bps</b>	<b>Duration 12/31/2022</b>	<b>Rates + 100 bps</b>
Mortgage Assets: <sup>3</sup>			
30-Year MBS	4.3	5.2	5.8
15-Year MBS and Other Securities	3.5	3.7	3.6
<b>Total Mortgage Assets</b>	<b>4.2</b>	<b>5.1</b>	<b>5.6</b>
Liabilities and Hedges	(4.7)	(4.7)	(4.6)
<b>Net Duration Gap</b>	<b>(0.5)</b>	<b>0.4</b>	<b>1.0</b>
<b>As of Sep 30, 2022</b>			
<b>Net Duration Gap</b>	<b>0.6</b>	<b>1.2</b>	<b>1.5</b>

1. Duration is a model estimate of interest rate sensitivity measured in years as of a point in time. The sensitivity analysis assumes an instantaneous parallel shift in interest rates and, consequently, does not include the potential impact of ongoing portfolio rebalancing actions
2. Durations are expressed in years. Liability and hedge durations are expressed in asset unit equivalents
3. Mortgage assets include net TBA position.

# Financial Results

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# Balance Sheets



(\$ in millions, except per share data, unaudited except 12/31/21)	12/31/22	9/30/22	6/30/22	3/31/22	12/31/21
Agency Securities, at Fair Value	\$39,346	\$41,740	\$43,459	\$47,214	\$52,396
Agency Securities Transferred to Consolidated Variable Interest Entities, at Fair Value	144	149	167	184	208
Credit Risk Transfer Securities, at Fair Value	757	860	894	885	974
Non-Agency Securities, at Fair Value, and Other Mortgage Credit Investments	682	869	881	804	843
U.S. Treasury Securities, at Fair Value	353	1,213	1,882	684	471
Cash and Cash Equivalents	1,018	976	906	1,004	998
Restricted Cash	1,316	2,186	1,333	1,087	527
Derivative Assets, at Fair Value	617	851	536	647	317
Receivable for Investment Securities Sold	120	1,169	2,006	2,317	—
Receivable under Reverse Repurchase Agreements	6,622	7,577	8,438	10,645	10,475
Goodwill	526	526	526	526	526
Other Assets	247	408	212	397	414
<b>Total Assets</b>	<b>\$51,748</b>	<b>\$58,524</b>	<b>\$61,240</b>	<b>\$66,394</b>	<b>\$68,149</b>
Repurchase Agreements	\$36,262	\$40,306	\$43,153	\$44,715	\$47,381
Debt of Consolidated Variable Interest Entities, at Fair Value	95	98	107	116	126
Payable for Investment Securities Purchased	302	1,279	547	857	80
Derivative Liabilities, at Fair Value	99	1,221	237	668	86
Dividends Payable	100	92	88	88	88
Obligation to Return Securities Borrowed under Reverse Repurchase Agreements, at Fair Value	6,534	7,469	8,265	10,277	9,697
Accounts Payable and Other Liabilities	486	837	803	743	400
<b>Total Liabilities</b>	<b>43,878</b>	<b>51,302</b>	<b>53,200</b>	<b>57,464</b>	<b>57,858</b>
Preferred Equity at Aggregate Liquidation Preference	1,688	1,688	1,538	1,538	1,538
Common Equity	6,182	5,534	6,502	7,392	8,753
<b>Total Stockholders' Equity</b>	<b>7,870</b>	<b>7,222</b>	<b>8,040</b>	<b>8,930</b>	<b>10,291</b>
<b>Total Liabilities and Stockholders' Equity</b>	<b>\$51,748</b>	<b>\$58,524</b>	<b>\$61,240</b>	<b>\$66,394</b>	<b>\$68,149</b>
<b>Other Supplemental Data:</b>					
<b>Net Long TBA and Forward Settling Securities, at Fair Value <sup>1</sup></b>	<b>\$18,574</b>	<b>\$17,902</b>	<b>\$15,893</b>	<b>\$19,543</b>	<b>\$27,578</b>
<b>Tangible Net Book Value "At Risk" Leverage <sup>2</sup></b>	<b>7.4x</b>	<b>8.7x</b>	<b>7.4x</b>	<b>7.5x</b>	<b>7.7x</b>
<b>Tangible Net Book Value Per Common Share <sup>3</sup></b>	<b>\$9.84</b>	<b>\$9.08</b>	<b>\$11.43</b>	<b>\$13.12</b>	<b>\$15.75</b>

1. Reported in derivative assets/liabilities at net carrying value (fair value less cost basis)

2. Calculated as the sum of Agency MBS repurchase agreements, net payable/receivable for investment securities not yet settled, net TBA dollar roll position (at cost) and debt of consolidated variable interest entities divided by the sum of total stockholders' equity less goodwill.

3. Calculated as stockholders' equity, less the Preferred Stock liquidation preference and goodwill, divided by total common shares outstanding

# Income Statements



(\$ in millions, except per share data) (Unaudited)	Q4 2022	Q3 2022	Q2 2022	Q1 2022	Year 2022
Interest Income	\$347	\$373	\$395	\$475	\$1,590
Interest Expense	(322)	(196)	(80)	(27)	(625)
<b>Net Interest Income</b>	<b>25</b>	<b>177</b>	<b>315</b>	<b>448</b>	<b>965</b>
Realized Loss on Sale of Investment Securities, Net	(1,068)	(560)	(946)	(342)	(2,916)
Unrealized Gain (Loss) on Investment Securities Measured at Fair Value through Net Income, Net	1,462	(1,738)	(987)	(2,532)	(3,795)
Gain on Derivative Instruments and Other Investments, Net	156	1,474	1,204	1,796	4,630
<b>Total Other Gain (Loss), Net</b>	<b>550</b>	<b>(824)</b>	<b>(729)</b>	<b>(1,078)</b>	<b>(2,081)</b>
Compensation and Benefits	(5)	(11)	(12)	(13)	(41)
Other Operating Expenses	(9)	(8)	(8)	(8)	(33)
<b>Total Operating Expenses</b>	<b>(14)</b>	<b>(19)</b>	<b>(20)</b>	<b>(21)</b>	<b>(74)</b>
<b>Net Income (Loss)</b>	<b>561</b>	<b>(666)</b>	<b>(434)</b>	<b>(651)</b>	<b>(1,190)</b>
Dividend on Preferred Stock	(29)	(26)	(25)	(25)	(105)
<b>Net Income (Loss) Available (Attributable) to Common Stockholders</b>	<b>\$532</b>	<b>\$(692)</b>	<b>\$(459)</b>	<b>\$(676)</b>	<b>\$(1,295)</b>
<b>Net Income (Loss)</b>	<b>\$561</b>	<b>\$(666)</b>	<b>\$(434)</b>	<b>\$(651)</b>	<b>\$(1,190)</b>
Unrealized Gain (Loss) on Available-for-Sale Securities Measured at Fair Value through Other Comprehensive Income, Net	135	(372)	(245)	(491)	(973)
<b>Comprehensive Income (Loss)</b>	<b>\$696</b>	<b>\$(1,038)</b>	<b>\$(679)</b>	<b>\$(1,142)</b>	<b>\$(2,163)</b>
Dividend on Preferred Stock	(29)	(26)	(25)	(25)	(105)
<b>Comprehensive Income (Loss) Available (Attributable) to Common Stockholders</b>	<b>\$667</b>	<b>\$(1,064)</b>	<b>\$(704)</b>	<b>\$(1,167)</b>	<b>\$(2,268)</b>
<b>Weighted Average Common Shares Outstanding – Basic</b>	<b>568.4</b>	<b>528.7</b>	<b>526.2</b>	<b>524.3</b>	<b>537.0</b>
<b>Weighted Average Common Shares Outstanding – Diluted</b>	<b>569.5</b>	<b>528.7</b>	<b>526.2</b>	<b>524.3</b>	<b>537.0</b>
<b>Net Income (Loss) per Common Share – Basic</b>	<b>\$0.94</b>	<b>\$(1.31)</b>	<b>\$(0.87)</b>	<b>\$(1.29)</b>	<b>\$(2.41)</b>
<b>Net Income (Loss) per Common Share – Diluted</b>	<b>\$0.93</b>	<b>\$(1.31)</b>	<b>\$(0.87)</b>	<b>\$(1.29)</b>	<b>\$(2.41)</b>
<b>Comprehensive Income (Loss) per Common Share – Basic</b>	<b>\$1.17</b>	<b>\$(2.01)</b>	<b>\$(1.34)</b>	<b>\$(2.23)</b>	<b>\$(4.22)</b>
<b>Comprehensive Income (Loss) per Common Share – Diluted</b>	<b>\$1.17</b>	<b>\$(2.01)</b>	<b>\$(1.34)</b>	<b>\$(2.23)</b>	<b>\$(4.22)</b>
<b>Dividends Declared per Common Share</b>	<b>\$0.36</b>	<b>\$0.36</b>	<b>\$0.36</b>	<b>\$0.36</b>	<b>\$1.44</b>

# Reconciliation of GAAP Comprehensive Income (Loss) to Net Spread and Dollar Roll Income (a Non-GAAP Measure)



(\$ in millions, except per share data) (Unaudited)	Q4 2022	Q3 2022	Q2 2022	Q1 2022	Year 2022
<b>Comprehensive Income (Loss) Available (Attributable) to Common Stockholders</b>	<b>\$667</b>	<b>\$(1,064)</b>	<b>\$(704)</b>	<b>\$(1,167)</b>	<b>\$(2,268)</b>
<b>Adjustments to Exclude Realized and Unrealized (Gains) Losses Reported Through Net Income:</b>					
Realized Loss on Sale of Investment Securities, Net	1,068	560	946	342	2,916
Unrealized (Gain) Loss on Investment Securities Measured at Fair Value through Net Income, Net	(1,462)	1,738	987	2,532	3,795
Gain on Derivative Instruments and Other Investments Net	(156)	(1,474)	(1,204)	(1,796)	(4,630)
<b>Adjustment to Exclude Unrealized (Gains) Losses Reported Through Other Comprehensive Income</b>					
Unrealized (Gain) Loss on Available-for-Sale Securities Measured at Fair Value through Other Comprehensive Income, Net	(135)	372	245	491	973
<b>Other Adjustments:</b>					
TBA Dollar Roll Income <sup>1</sup>	65	119	182	152	518
Interest Rate Swap Periodic Income (Cost) <sup>1</sup>	356	211	49	(18)	598
Other Interest Income, Net <sup>1</sup>	12	—	—	—	12
<b>Net Spread and Dollar Roll Income Available to Common Stockholders</b>	<b>415</b>	<b>462</b>	<b>501</b>	<b>536</b>	<b>1,914</b>
Estimated "Catch Up" Premium Amortization Cost (Benefit) due to Change in CPR Forecast <sup>2</sup>	5	(18)	(66)	(159)	(238)
<b>Net Spread and Dollar Roll Income, Excluding "Catch Up" Amortization, Available to Common Stockholders</b>	<b>420</b>	<b>444</b>	<b>435</b>	<b>377</b>	<b>1,676</b>
<b>Weighted Average Common Shares Outstanding – Basic</b>	<b>568.4</b>	<b>528.7</b>	<b>526.2</b>	<b>524.3</b>	<b>537.0</b>
<b>Weighted Average Common Shares Outstanding – Diluted</b>	<b>569.5</b>	<b>529.8</b>	<b>527.1</b>	<b>525.7</b>	<b>538.1</b>
<b>Net Spread and Dollar Roll Income per Common Share – Basic</b>	<b>\$0.73</b>	<b>\$0.87</b>	<b>\$0.95</b>	<b>\$1.02</b>	<b>\$3.56</b>
<b>Net Spread and Dollar Roll Income per Common Share – Diluted</b>	<b>\$0.73</b>	<b>\$0.87</b>	<b>\$0.95</b>	<b>\$1.02</b>	<b>\$3.56</b>
<b>Net Spread and Dollar Roll Income, Excluding "Catch Up" Amortization, per Common Share – Basic</b>	<b>\$0.74</b>	<b>\$0.84</b>	<b>\$0.83</b>	<b>\$0.72</b>	<b>\$3.12</b>
<b>Net Spread and Dollar Roll Income, Excluding "Catch Up" Amortization, per Common Share – Diluted</b>	<b>\$0.74</b>	<b>\$0.84</b>	<b>\$0.83</b>	<b>\$0.72</b>	<b>\$3.11</b>

Note: Table includes non-GAAP financial measures. Please refer to additional information regarding non-GAAP financial measures at the end of this presentation

1. Reported in gain (loss) on derivative instruments and other securities, net in the accompanying income statement
2. "Catch-up" premium amortization (cost)/benefit is reported in interest income on the accompanying income statement



# Net Interest Spread Components by Funding Source



\$ in millions (Unaudited)	Q4 2022	Q3 2022	Q2 2022	Q1 2022	Year 2022
<b>Adjusted Net Interest and Dollar Roll Income, Excluding "Catch-Up" Amortization:</b>					
<b>Economic Interest Income:</b>					
Investment Securities - GAAP Interest Income	\$347	\$373	\$395	\$475	\$1,590
Estimated "Catch-Up" Premium Amortization Cost (Benefit) due to Change in CPR Forecast <sup>1</sup>	5	(18)	(66)	(159)	(238)
TBA Dollar Roll Income - Implied Interest Income <sup>2,3</sup>	230	213	180	123	746
<b>Economic Interest Income, Excluding "Catch-Up" Amortization</b>	<b>\$582</b>	<b>\$568</b>	<b>\$509</b>	<b>\$439</b>	<b>\$2,098</b>
<b>Economic Interest (Expense) Benefit:</b>					
Repurchase Agreements and Other Debt - GAAP Interest Expense	\$(322)	\$(196)	\$(80)	\$(27)	\$(625)
TBA Dollar Roll Income - Implied Interest (Expense) Benefit <sup>2,3</sup>	(165)	(94)	2	29	(228)
Interest Rate Swap Periodic (Cost) Income <sup>2</sup>	356	211	49	(18)	598
<b>Economic Interest (Expense) Benefit</b>	<b>\$(131)</b>	<b>\$(79)</b>	<b>\$(29)</b>	<b>\$(16)</b>	<b>\$(255)</b>
<b>Adjusted Net Interest and Dollar Roll Income, Excluding "Catch-Up" Amortization</b>	<b>\$451</b>	<b>\$489</b>	<b>\$480</b>	<b>\$423</b>	<b>\$1,843</b>
<b>Net Interest Spread, Excluding "Catch-Up" Amortization:</b>					
<b>Average Asset Yield:</b>					
Investment Securities - Average Asset Yield	3.14%	3.09%	3.09%	3.55%	3.23%
Estimated "Catch-Up" Premium Amortization Cost (Benefit) due to Change in CPR Forecast	0.03%	(0.15)%	(0.51)%	(1.19)%	(0.48)%
Investment Securities Average Asset Yield, Excluding "Catch-Up" Amortization	3.17%	2.94%	2.58%	2.36%	2.75%
TBA Securities - Average Implied Asset Yield	4.86%	4.18%	3.66%	2.09%	3.60%
<b>Average Asset Yield, Excluding "Catch-Up" Amortization <sup>4</sup></b>	<b>3.68%</b>	<b>3.31%</b>	<b>2.88%</b>	<b>2.28%</b>	<b>3.00%</b>
<b>Average Total Cost (Benefit) of Funds:</b>					
Repurchase Agreements and Other Debt - Average Funding Cost	3.55%	1.89%	0.74%	0.23%	1.49%
TBA Securities - Average Implied Funding Cost (Benefit)	3.41%	1.80%	(0.04)%	(0.49)%	1.08%
Average Cost (Benefit) of Funds, Before Interest Rate Swap Periodic Cost <sup>4</sup>	3.50%	1.86%	0.49%	(0.01)%	1.35%
Interest Rate Swap Periodic Cost (Income) <sup>5</sup>	(2.56)%	(1.36)%	(0.31)%	0.10%	(0.95)%
<b>Average Total Cost (Benefit) of Funds</b>	<b>0.94%</b>	<b>0.50%</b>	<b>0.18%</b>	<b>0.09%</b>	<b>0.40%</b>
<b>Net Interest Spread, Excluding "Catch-Up" Amortization</b>	<b>2.74%</b>	<b>2.81%</b>	<b>2.70%</b>	<b>2.19%</b>	<b>2.60%</b>

Note: Table includes non-GAAP financial measures. Please refer to additional information regarding non-GAAP financial measures at the end of this presentation

- "Catch-up" premium amortization cost/(benefit) is reported in interest income on the accompanying income statement
- Reported in gain (loss) on derivative instruments and other securities, net in the accompanying income statement
- TBA implied cost of funds derived from the Company's executed TBA roll levels and TBA delivery assumptions sourced from JP Morgan for the associated weighted average coupon, weighted average maturity and 1 month projected CPR. TBA implied asset yields derived from the implied funding costs and gross executed TBA roll levels
- Calculated on a weighted basis relative to the average TBA balance and, as applicable, the average investment securities or average repo balance outstanding
- Represents interest rate swap periodic cost measured as a percent of total mortgage funding (Agency repurchase agreements, other debt and TBA securities)

# Reconciliation of GAAP Net Income to Taxable Income (Loss) (Non-GAAP Measure)



(\$ in millions, except per share data) (Unaudited)	Q4 2022	Q3 2022	Q2 2022	Q1 2022	Year 2022
<b>Net Income / (Loss)</b>	<b>\$561</b>	<b>\$(666)</b>	<b>\$(434)</b>	<b>\$(651)</b>	<b>\$(1,190)</b>
<b>Book to Tax Differences:</b>					
Premium Amortization, Net	20	(15)	(78)	(176)	(249)
Realized Gain / Loss, Net	(114)	(1,454)	(1,210)	(2,365)	(5,143)
Net Capital Loss / (Utilization of Net Capital Loss Carryforward)	1,441	353	1,666	868	4,328
Unrealized (Gain) / Loss, Net	(1,672)	2,034	78	2,294	2,734
Other	(7)	(2)	—	(13)	(22)
<b>Total Book to Tax Differences</b>	<b>(332)</b>	<b>916</b>	<b>456</b>	<b>608</b>	<b>1,648</b>
<b>REIT Taxable Income (Loss)</b>	<b>229</b>	<b>250</b>	<b>22</b>	<b>(43)</b>	<b>458</b>
REIT Taxable Income Attributed to Preferred Stock	(29)	(76)	—	—	(105)
<b>REIT Taxable Income (Loss) Attributed to Common Stock</b>	<b>\$200</b>	<b>\$174</b>	<b>\$22</b>	<b>\$(43)</b>	<b>\$353</b>
Weighted Average Common Shares Outstanding – Basic	568.4	528.7	526.2	524.3	537.0
Weighted Average Common Shares Outstanding – Diluted	569.5	529.8	527.1	524.3	538.1
<b>REIT Taxable Income (Loss) per Common Share – Basic</b>	<b>\$0.35</b>	<b>\$0.33</b>	<b>\$0.04</b>	<b>(\$0.08)</b>	<b>\$0.66</b>
<b>REIT Taxable Income (Loss) per Common Share – Diluted</b>	<b>\$0.35</b>	<b>\$0.33</b>	<b>\$0.04</b>	<b>(\$0.08)</b>	<b>\$0.66</b>
<b>Beginning Net Capital Loss Carryforward</b>	<b>\$2,887</b>	<b>\$2,534</b>	<b>\$868</b>	<b>\$—</b>	<b>\$—</b>
Increase (Decrease) in Net Capital Loss Carryforward	1,441	353	1,666	868	4,328
<b>Ending Net Capital Loss Carryforward</b>	<b>\$4,328</b>	<b>\$2,887</b>	<b>\$2,534</b>	<b>\$868</b>	<b>\$4,328</b>
<b>Ending Net Capital Loss Carryforward per Common Share</b>	<b>\$7.53</b>	<b>\$5.24</b>	<b>\$4.85</b>	<b>\$1.66</b>	<b>\$7.53</b>

Amounts may not total due to rounding

Table includes non-GAAP financial measures. Please refer to information regarding non-GAAP financial measures at the end of this presentation

# Net Book Value Roll Forward



(In millions, except per share data) (Unaudited)	Q4 2022			Year 2022		
	Balance	Common Shares Outstanding	Net Book Value per Common Share	Balance	Common Shares Outstanding	Net Book Value per Common Share
<b>Beginning Net Common Equity <sup>1</sup></b>	<b>\$5,534</b>	<b>551.3</b>	<b>\$10.04</b>	<b>\$8,753</b>	<b>522.2</b>	<b>\$16.76</b>
Net Income (Loss)	561			(1,190)		
Other Comprehensive Income (Loss), Net	135			(973)		
Common Stock Dividend	(206)			(775)		
Preferred Stock Dividend	(29)			(105)		
Common Stock Issuances	187	23.3	\$8.02	526	56.0	\$9.39
Common Stock Repurchases	—	—	—	(51)	(4.7)	\$10.78
Preferred Stock Issuance Costs	—			(5)		
Stock-Based Compensation, Net	—			2	1.1	
<b>Ending Net Common Equity</b>	<b>\$6,182</b>	<b>574.6</b>	<b>\$10.76</b>	<b>\$6,182</b>	<b>574.6</b>	<b>\$10.76</b>
Goodwill	(526)			(526)		
<b>Ending Tangible Net Common Equity</b>	<b>\$5,656</b>	<b>574.6</b>	<b>\$9.84</b>	<b>\$5,656</b>	<b>574.6</b>	<b>\$9.84</b>
Preferred Stock Liquidation Preference	1,688			1,688		
<b>Ending Tangible Total Stockholders' Equity</b>	<b>\$7,344</b>			<b>\$7,344</b>		
<b>Ending Total Stockholders' Equity</b>	<b>\$7,870</b>			<b>\$7,870</b>		

Amounts may not total due to rounding

1. Common equity is net of the Company's Preferred Stock liquidation preference

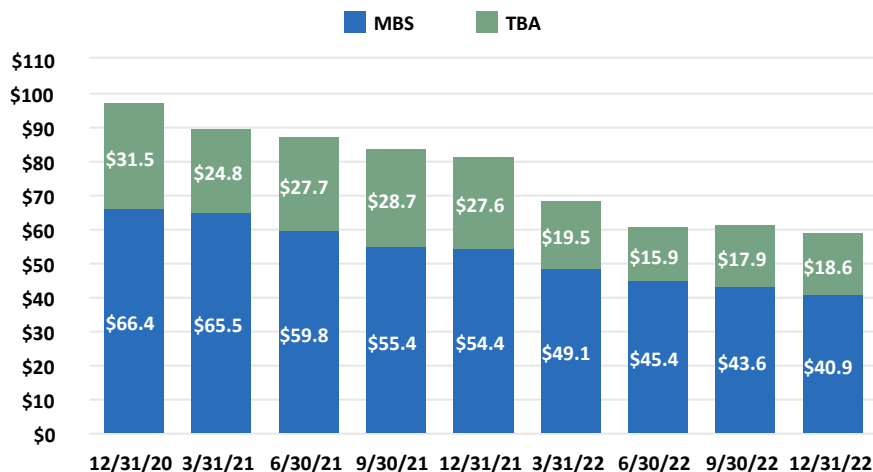
# Supplemental Slides

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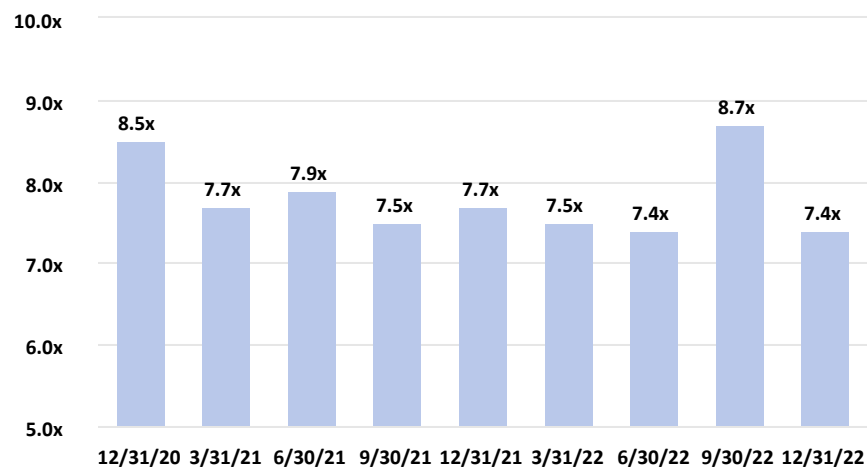
# AGNC Historical Overview



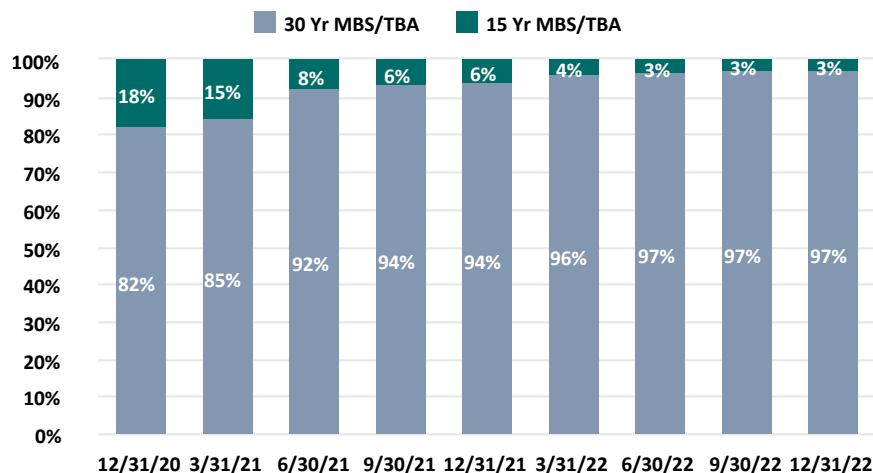
### Asset Composition (\$ B) <sup>1</sup>



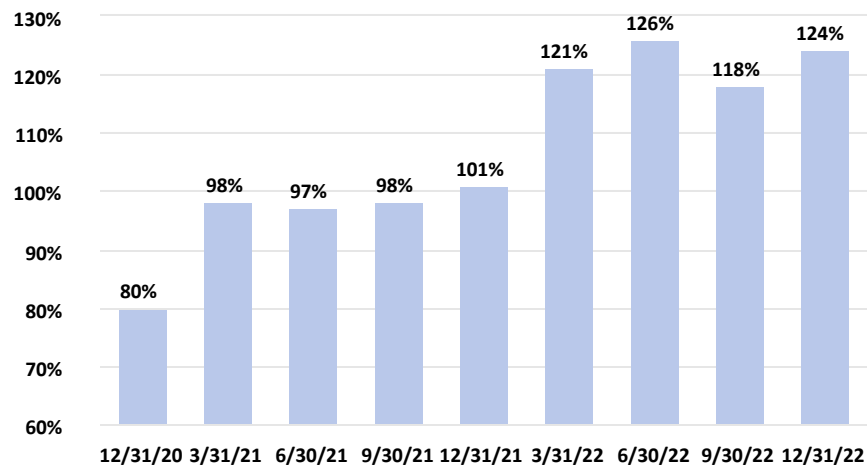
### Tangible Net Book Value "At Risk" Leverage <sup>2</sup>



### Agency MBS Fixed Rate Securities <sup>3</sup>



### Hedge Ratio <sup>4</sup>



1. MBS includes CRT securities; TBA includes forward settling non-Agency securities

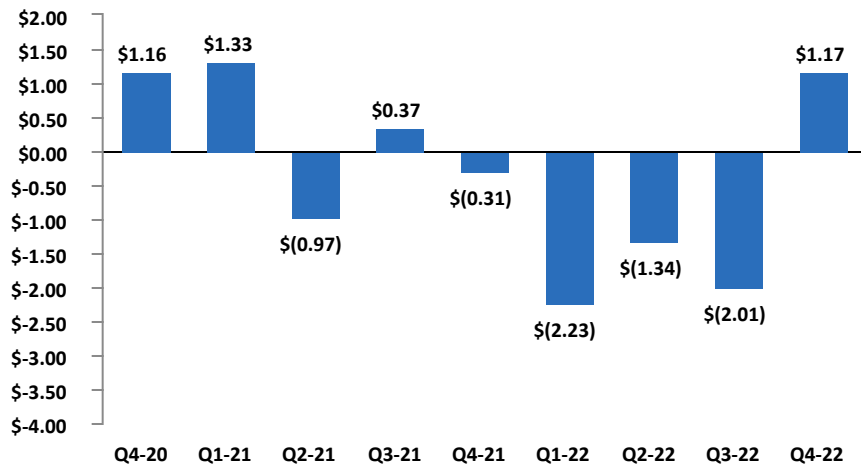
2. Tangible net book value "at risk" leverage calculated as sum of Agency Repo, other debt, net payable/receivable for investment securities not yet settled and net TBA and forward settling non-Agency positions (at cost) divided by the sum of total stockholders' equity less goodwill. Leverage excludes U.S. Treasury repurchase agreements

3. Chart excludes 20 Yr fixed rate MBS

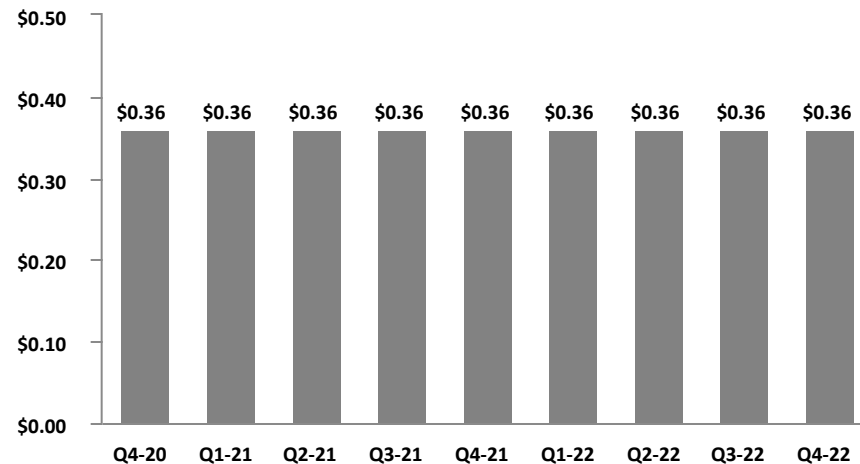
4. Measured as the ratio of interest rate swaps, swaptions and net U.S. Treasury position over Agency Repo, other debt, net TBA and forward settling securities positions (at cost)

# AGNC Historical Overview

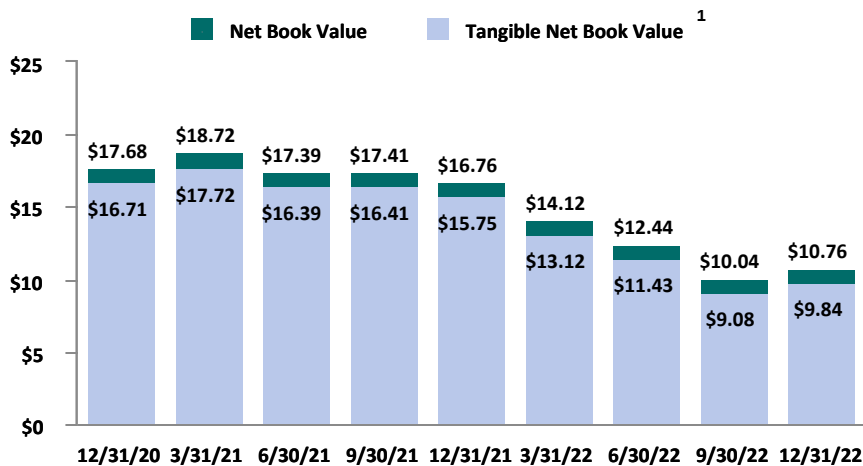
## Comprehensive Income (Loss) per Common Share



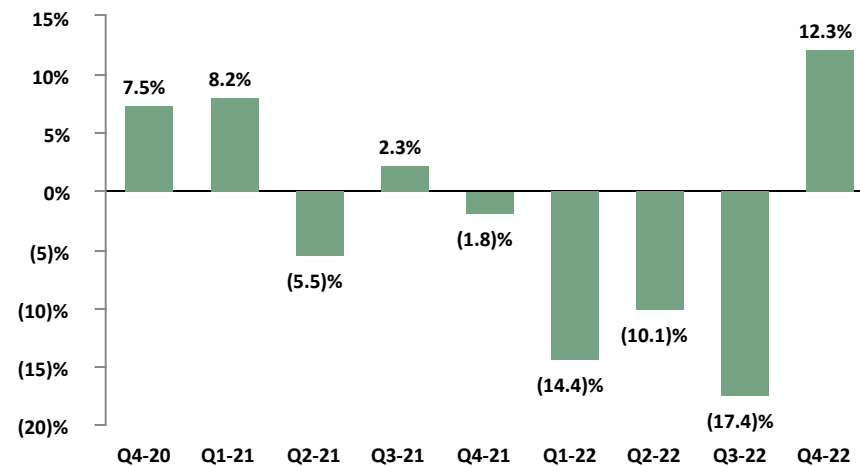
## Dividends per Common Share



## Net Book Value per Common Share



## Economic Return <sup>2</sup>

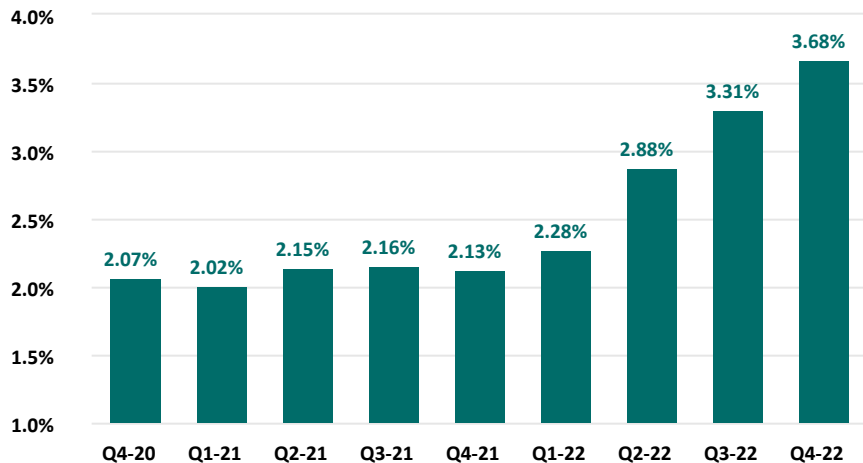


1. Tangible net book value per common share excludes goodwill

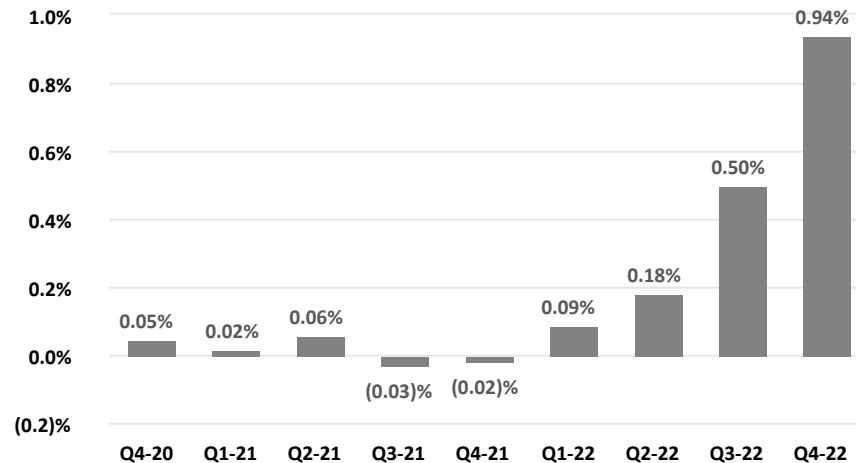
2. Economic return represents the change in tangible net book value per common share plus dividends per common share declared

# AGNC Historical Overview

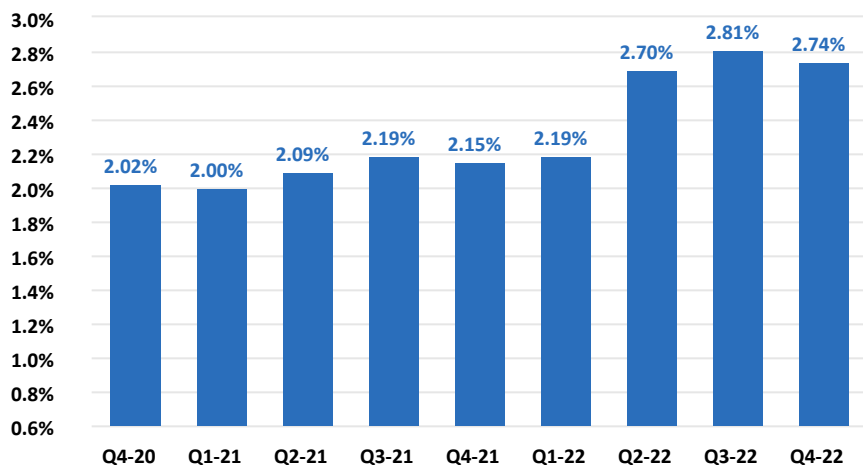
### Average Asset Yield <sup>1</sup>



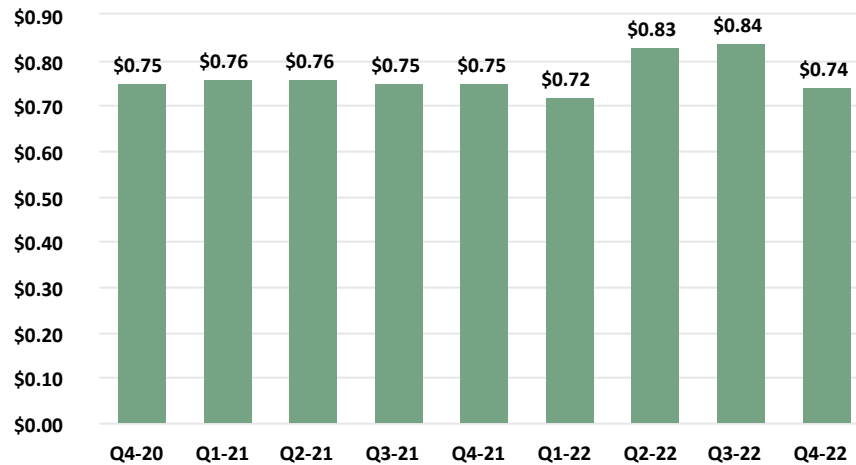
### Average Cost of Funds <sup>2</sup>



### Net Interest Spread <sup>1,2</sup>



### Net Spread and TBA Dollar Roll Income per Share, Excluding "Catch-Up" Premium Amortization <sup>3</sup>



1. Asset yields include actual and implied yields on investment securities and net TBA position calculated on a weighted average basis. Amounts exclude "catch-up" premium amortization
2. Cost of funds include Agency Repo, implied funding costs for the net TBA position and periodic swap costs calculated on a weighted average basis. TBA implied fund cost is derived from AGNC's executed roll levels and TBA delivery assumptions sourced from JP Morgan for the associated weighted average coupon, weighted average maturity and 1 month projected CPR
3. Represents a non-GAAP measure. Please refer to the supplemental slides within this presentation for a reconciliation and further discussion of non-GAAP measures

# Fixed Rate Agency Securities – MBS and Net TBA Position



\$ in millions – as of Dec 31, 2022

MBS Coupon <sup>1</sup>	Par Value <sup>2</sup>	Market Value <sup>2</sup>	Specified Pools <sup>3</sup>	Weighted Average Coupon <sup>1</sup>	MBS Amortized Cost Basis <sup>4</sup>	MBS WALA (Months) <sup>4,5</sup>	MBS Actual 1 Month CPR <sup>4,6</sup>	Duration (Years) <sup>2,7</sup>
<b>≤15 YR Mortgage Securities</b>								
≤ 2.5%	\$307	\$281	100%	2.42%	105.2%	36	6%	4.1
3.0% - 4.0%	1,363	1,313	98%	3.43%	102.2%	59	9%	3.3
≥ 4.5%	3	3	97%	4.55%	102.4%	144	13%	1.1
<b>Subtotal ≤15 YR</b>	<b>\$1,673</b>	<b>\$1,597</b>	<b>98%</b>	<b>3.25%</b>	<b>102.7%</b>	<b>55</b>	<b>8%</b>	<b>3.5</b>
<b>20 YR Mortgage Securities</b>								
≤ 2.5%	\$1,213	\$1,044	—%	2.15%	103.6%	28	4%	6.1
3.0% - 4.0%	246	235	86%	3.60%	102.7%	90	8%	3.8
≥ 4.5%	87	86	99%	4.50%	105.1%	74	12%	3.7
<b>Subtotal 20 YR</b>	<b>\$1,546</b>	<b>\$1,365</b>	<b>21%</b>	<b>2.51%</b>	<b>103.6%</b>	<b>40</b>	<b>5%</b>	<b>5.5</b>
<b>30 YR Mortgage Securities</b>								
≤ 2.5%	\$7,017	\$5,883	33%	2.25%	102.0%	20	4%	7.1
3.0% - 4.0%	18,775	17,605	78%	3.66%	104.6%	70	6%	5.8
≥ 4.5%	31,649	31,293	30%	4.96%	102.9%	20	5%	4.6
<b>Subtotal 30 YR</b>	<b>\$57,441</b>	<b>\$54,781</b>	<b>46%</b>	<b>4.20%</b>	<b>103.5%</b>	<b>42</b>	<b>6%</b>	<b>5.2</b>
<b>Total Fixed</b>	<b>\$60,660</b>	<b>\$57,743</b>	<b>46%</b>	<b>4.13%</b>	<b>103.5%</b>	<b>43</b>	<b>6%</b>	<b>5.2</b>

1. The wtd/avg coupon on fixed rate securities held as of Dec 31, 2022 was 3.81%, excluding the net long TBA mortgage position
2. Excluding net TBA position, total fixed-rate MBS as of Dec 31, 2022 had a par value of \$41,609, market value of \$39,169 and average duration of 5.5 years
3. Specified pools include pools backed by lower balance loans with original loan balances of up to \$200K, HARP pools (defined as pools that were issued between May 2009 and Dec 2018 and backed by 100% refinance loans with original LTVs ≥ 80%), and pools backed by loans 100% originated in N.Y. and Puerto Rico. Lower balance pools have a wtd/avg original loan balance of \$123 K for ≤15-year and \$140 K for 30-year securities as of Dec 31, 2022. HARP pools have a wtd/avg original LTV of 128% for ≤15-year and 138% for 30-year securities as of Dec 31, 2022
4. Average MBS cost basis, WALA and CPR exclude net TBA position
5. WALA represents the weighted average loan age presented in months
6. Actual 1 month annualized CPR published during Jan 2023 for Agency securities held as of Dec 31, 2022
7. Duration 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



## U.S. Treasury Position

- \$6.2 B short U.S. Treasury securities, net
- \$10.5 B short U.S. Treasury futures

## Payer Swaptions

- \$3.1 B notional payer swaptions as of Dec 31, 2022
- 1.1 years average remaining option term, 9.8 years average underlying swap term

U.S. Treasury Position Net Long / (Short) As of Dec 31, 2022 (\$ MM)		
Maturity	Face Amount	Market Value
5 Year	\$356	\$353
7 Year	(545)	(473)
10 Year	(14,131)	(14,493)
20 Year	(1,909)	(2,073)
<b>Total</b>	<b>\$(16,229)</b>	<b>\$(16,686)</b>
As of Sep 30, 2022		
<b>Total</b>	<b>\$(18,306)</b>	<b>\$(18,402)</b>

Payer Swaptions As of Dec 31, 2022 (\$ MM)					
Current Option Expiration Date	Notional Amount	Cost	Market Value	Pay Rate	Swap Term (Years)
≤ 1 Year	\$1,300	\$26	\$145	2.04%	9.4
> 1 Year ≤ 2 Years	1,750	39	148	2.52%	10.0
<b>Total</b>	<b>\$3,050</b>	<b>\$65</b>	<b>\$293</b>	<b>2.32%</b>	<b>9.8</b>
As of Sep 30, 2022					
<b>Total / Wtd Avg</b>	<b>\$3,400</b>	<b>\$69</b>	<b>\$357</b>	<b>2.28%</b>	<b>9.8</b>

## Changes in interest rates and MBS spreads relative to our hedges can impact the market value of our equity

### Interest Rate Sensitivity

- The estimated change in the market value of our asset portfolio, net of hedges, assuming no portfolio rebalancing actions

### MBS Spread Sensitivity (“Basis Risk”)

- The MBS spread sensitivity is the sensitivity of our assets to changes in MBS spreads
- The estimated change in the market value of our assets based on model predictions and assuming a spread duration of 5.8 years, based on interest rates and MBS prices as of Dec 31, 2022

Interest Rate Sensitivity <sup>1</sup> As of Dec 31, 2022 (based on instantaneous parallel shift in interest rates)		
Interest Rate Shock (bps)	Estimated Change in Portfolio Market Value <sup>2</sup>	Estimated Change in Tangible Common Equity
-75	0.1%	1.4%
-50	0.1%	1.5%
-25	0.1%	1.0%
+25	(0.1)%	(1.4)%
+50	(0.3)%	(3.3)%
+75	(0.5)%	(5.4)%

MBS Spread Sensitivity (“Basis Risk”) <sup>1</sup> As of Dec 31, 2022		
MBS Spread Shock (bps)	Estimated Change in Portfolio Market Value <sup>2</sup>	Estimated Change in Tangible Common Equity
-50	2.9%	30.6%
-25	1.5%	15.3%
-10	0.6%	6.1%
+10	(0.6)%	(6.1)%
+25	(1.5)%	(15.3)%
+50	(2.9)%	(30.6)%

1. Interest rate and MBS spread sensitivity are 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. Rates are floored at zero percent

2. Estimated dollar change in value expressed as a percentage of the total market value of “at risk” assets

# Use of Non-GAAP Financial Information

In addition to the results presented in accordance with GAAP, the Company's results of operations discussed in this presentation include certain non-GAAP financial information, including "net spread and dollar roll income," "net spread and dollar roll income, excluding 'catch-up' premium amortization," "economic interest income" and "economic interest expense", "estimated taxable income" and the related per common share measures and certain financial metrics derived from such non-GAAP information, such as "cost of funds" and "net interest spread."

Net spread and dollar roll income available to common stockholders is measured as comprehensive income (loss) available (attributable) to common stockholders (GAAP measure) adjusted to: (i) exclude gains/losses on investment securities recognized through net income or other comprehensive income and gains/losses on derivative instruments and other securities (GAAP measures) and (ii) include interest rate swap periodic income/cost, TBA dollar roll income and other miscellaneous interest income/expense. As defined, net spread and dollar roll income available to common stockholders represents net interest income (GAAP measure) adjusted to include TBA dollar roll income, interest rate swap periodic income/cost and other miscellaneous interest income/expense, less total operating expense (GAAP measure) and dividends on preferred stock (GAAP measure). Net spread and dollar roll income, excluding 'catch-up' premium amortization, available to common stockholders further excludes retrospective "catch-up" adjustments to premium amortization cost due to changes in projected CPR estimates.

By providing users of our financial information with such measures in addition to the related GAAP measures, we believe users have greater transparency into the information used by our management in its financial and operational decision-making. We also believe that it is important for users of our financial information to consider information related to our current financial performance without the effects of certain transactions that are not necessarily indicative of our current investment portfolio performance and operations.

Specifically, the Company believes the inclusion of TBA dollar roll income is meaningful as TBAs are economically equivalent to holding and financing generic Agency MBS using short-term repurchase agreements but are recognized under GAAP in gain/loss on derivative instruments in the Company's statement of operations. Similarly, the Company believes that the inclusion of periodic interest rate swap settlements in such measure, which are recognized under GAAP in gain/loss on derivative instruments, is meaningful as interest rate swaps are the primary instrument the Company uses to economically hedge against fluctuations in the Company's borrowing costs and inclusion of periodic interest rate swap settlements is more indicative of the Company's total cost of funds than interest expense alone. In the case of net spread and dollar roll income, excluding "catch-up" premium amortization, the Company believes the exclusion of "catch-up" adjustments to premium amortization cost is meaningful as it excludes the cumulative effect from prior reporting periods due to current changes in future prepayment expectations and, therefore, exclusion of such "catch-up" cost or benefit is more indicative of the current earnings potential of the Company's investment portfolio. In the case of estimated taxable income (loss), the Company believes it is meaningful information as it is directly related to the amount of dividends the Company is required to distribute in order to maintain its REIT qualification status.

However, because such measures are incomplete measures of the Company's financial performance and involve differences from results computed in accordance with GAAP, they should be considered as supplementary to, and not as a substitute for, results computed in accordance with GAAP. In addition, because not all companies use identical calculations, the Company's presentation of such non-GAAP measures may not be comparable to other similarly-titled measures of other companies. Furthermore, estimated taxable income can include certain information that is subject to potential adjustments up to the time of filing the Company's income tax returns, which occurs after the end of its fiscal year.

A reconciliation of GAAP comprehensive income (loss) to non-GAAP "net spread and dollar roll income, excluding 'catch-up' premium amortization" and a reconciliation of GAAP net income to non-GAAP "estimated taxable income" is included in this presentation.