



Q3 2016 Stockholder Presentation

October 25, 2016

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. 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.

Capital Stock Highlights



Type / Stock Ticker:
Common Stock / AGNC

Exchange:
NASDAQ

IPO Price:
\$20.00 Per Share

Net Asset Value²:
\$22.91 Per Share

IPO Date:
May 2008

Total Dividends Paid Since IPO¹:
\$34.46 Per Share

Total Equity Capital²:
\$7.6 B



Type / Name:
8.000% Series A Cumulative Redeemable Preferred Stock

Preferred Stock Ticker:
AGNCP

Per Annum Dividend Rate:
8.000% Payable Quarterly

Exchange:
NASDAQ

Total Dividends Paid Since Offering¹:
\$9.056 Per Share

Public Offering Price:
\$25.00 Per Share

Shares Outstanding:
6.9 Million



Type / Name:
7.750% Series B Cumulative Redeemable Preferred Stock

Preferred Stock Ticker:
AGNCB

Per Annum Dividend Rate:
7.750% Payable Quarterly

Exchange:
NASDAQ

Total Dividends Paid Since Offering¹:
\$4.71997 Per Depositary Share

Public Offering Price:
\$25.00 Per Depositary Share³

Depositary Shares Outstanding:
7.0 Million

1. As of Oct 17, 2016.

2. "Net Asset Value" and "Total Equity Capital" are net of the 8.000% Series A Cumulative Redeemable Preferred Stock ("Series A Preferred Stock") and the 7.750% Series B Cumulative Redeemable Preferred Stock ("Series B Preferred Stock") liquidation preference of \$173 and \$175 million, respectively.

3. Each depositary share outstanding represents a 1/1,000th interest in a share of Series B Preferred Stock.

Note: As of Sept 30, 2016 unless otherwise indicated.

- ▶ **\$1.25 Comprehensive Income per Share, Comprised of:**
 - ✓ \$1.52 net income per share
 - ✓ \$(0.27) other comprehensive loss (“OCI”) per share
 - Includes net unrealized losses on investments marked-to-market through OCI
- ▶ **\$0.64 Net Spread and Dollar Roll Income per Share, Excluding Estimated “Catch-Up” Premium Amortization Cost ¹**
 - ✓ Includes \$0.16 of dollar roll income per share associated with a \$10.7 B average net long position in forward purchases and sales of Agency MBS in the “to-be-announced” (“TBA”) market ²
 - ✓ Excludes \$(0.02) of estimated “catch-up” premium amortization cost per share due to change in projected constant prepayment rate (“CPR”) estimates
- ▶ **\$22.91 Net Book Value per Share as of Sept 30, 2016**
 - ✓ Increased \$0.69 per share, or 3.1%, from \$22.22 per share as of June 30, 2016
- ▶ **\$21.23 Tangible Net Book Value per Share as of Sept 30, 2016**
 - ✓ Excludes \$555 million, or \$1.68 per share, of goodwill and other intangible assets recognized in connection with AGNC’s acquisition of AGNC Mortgage Management, LLC (formerly known as American Capital Mortgage Management, LLC) on July 1, 2016
- ▶ **\$0.56 Dividend Declared per Share**
- ▶ **5.6% Economic Return on Common Equity for the Quarter, or 22.4% Annualized**
 - ✓ Comprised of \$0.56 dividend per share and \$0.69 increase in net book value per share

Note: Per share amounts included throughout this presentation are per share of common stock, 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 (loss) is based on our net long (short) TBA position and is recognized in gain (loss) on derivative instruments and other securities, net. TBA position includes forward purchases of Agency MBS specified pools

Q3 2016 Other Highlights

- ▶ **\$62.9 B Investment Portfolio as of Sept 30, 2016**
 - ✓ \$47.2 B Agency MBS
 - ✓ \$15.6 B TBA mortgage position ¹
 - ✓ \$0.1 B AAA non-Agency MBS and GSE credit risk transfer (“CRT”) securities
- ▶ **7.7x Tangible Net Book Value “At Risk” Leverage as of Sept 30, 2016 ²**
 - ✓ Unchanged from pro-forma tangible net book value “at risk” leverage as of June 30, 2016
 - ✓ 7.6x average tangible net book value “at risk” leverage for the quarter
- ▶ **14.3% Portfolio CPR for the Quarter**
 - ✓ 10.6% average projected portfolio life CPR as of Sept 30, 2016, a decrease from 10.8% projected CPR as of June 30, 2016 due to portfolio repositioning
- ▶ **1.47% Annualized Net Interest Rate Spread and TBA Dollar Roll Income for the Quarter, Excluding Estimated “Catch-Up” Premium Amortization Cost ³**
 - ✓ Excludes -5 bps of “catch-up” premium amortization cost due to change in projected CPR estimates
 - ✓ Increased from 1.38% for the prior quarter, excluding -22 bps of “catch-up” premium amortization cost

1. TBA mortgage position includes \$2.6 billion of forward purchases of Agency MBS specified pools

2. Tangible net book value “at risk” leverage calculated as sum of Agency MBS repurchase agreements (“Agency repo”), FHLB advances, net TBA position (at cost), net payable/receivable for Agency securities not yet settled, and other debt divided by the sum of total stockholders’ equity less goodwill and other intangible assets, net. Leverage excludes U.S. Treasury repo

3. Net interest rate 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 MBS repo, TBA implied cost of funds, other debt and periodic swap interest costs. Cost of funds excludes other supplemental hedges (such as swaptions), U.S. Treasury positions and U.S. Treasury repurchase agreements

Market Update

Security	9/30/15	12/31/15	3/31/16	6/30/16	9/30/16	Q3 2016 Δ Rate % / Price ¹
Treasury Rates						
2 Yr UST	0.64%	1.06%	0.73%	0.59%	0.76%	0.17% / -0.35
3 Yr UST	0.92%	1.32%	0.86%	0.70%	0.87%	0.17% / -0.50
5 Yr UST	1.37%	1.77%	1.22%	1.01%	1.15%	0.14% / -0.68
10 Yr UST	2.06%	2.27%	1.78%	1.49%	1.61%	0.12% / -1.01
30 Yr UST	2.88%	3.01%	2.62%	2.31%	2.33%	0.02% / -0.44

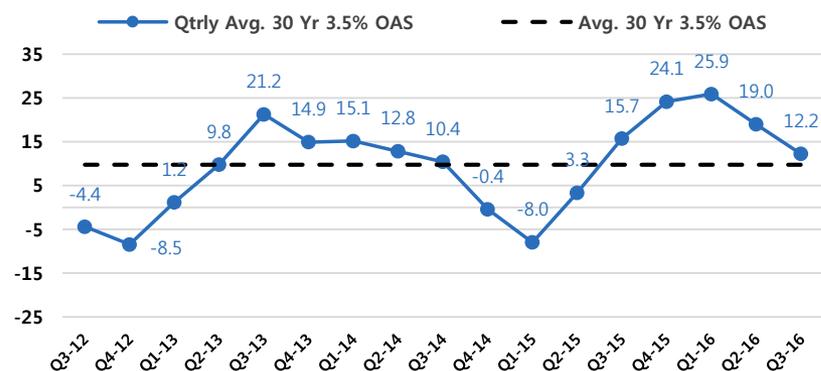
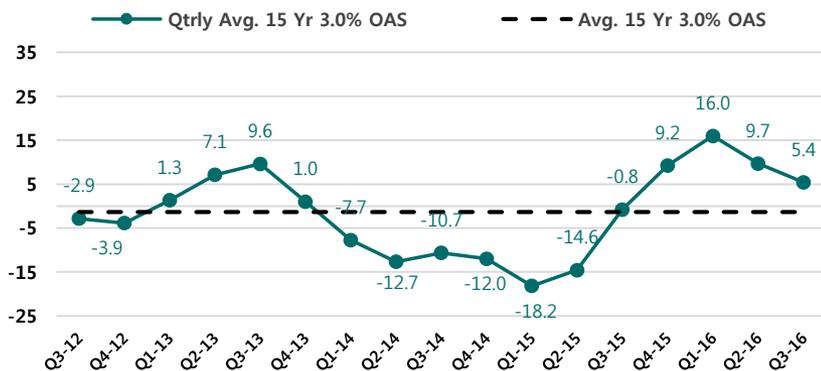
Security	9/30/15	12/31/15	3/31/16	6/30/16	9/30/16	Q3 2016 Δ Rate % / Price ¹
Swap Rates						
2 Yr Swap	0.76%	1.17%	0.85%	0.74%	1.01%	0.27% / -0.54
3 Yr Swap	0.99%	1.41%	0.96%	0.81%	1.07%	0.26% / -0.75
5 Yr Swap	1.40%	1.73%	1.18%	0.99%	1.18%	0.19% / -0.94
10 Yr Swap	2.01%	2.19%	1.64%	1.38%	1.46%	0.08% / -0.76
30 Yr Swap	2.53%	2.62%	2.13%	1.84%	1.78%	-0.06% / +1.41

15 Year Fixed Rate Mortgages						
2.50%	101.94	100.80	102.66	103.48	103.56	+0.08
3.00%	104.11	103.02	104.47	104.84	104.99	+0.15
3.50%	105.61	104.72	105.59	105.97	105.41	-0.56
4.00%	104.77	104.41	104.31	103.81	103.73	-0.08

30 Year Fixed Rate Mortgages						
3.00%	101.34	100.01	102.59	103.75	103.95	+0.20
3.50%	104.31	103.18	104.86	105.50	105.53	+0.03
4.00%	106.67	105.83	106.86	107.23	107.41	+0.18
4.50%	108.41	108.00	108.82	109.17	109.52	+0.35

15 Year 3.0% MBS OAS ²

30 Year 3.5% MBS OAS ²

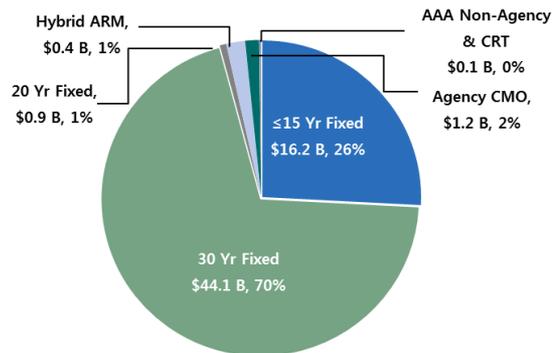


1. Note: Price information is provided for illustrative purposes only. Pricing information is as of 3:00 PM on such date, is for generic instruments and is not meant to be reflective of securities held by AGNC. Prices can vary materially depending on the source. Source: Barclays; Change in Treasury and swap prices derived from Constant Maturity Treasury and Constant Maturity Swap and DV01 from JPM

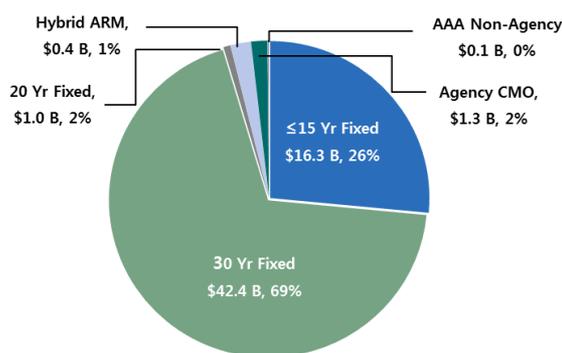
2. Source: Unweighted average of Citi, JP Morgan, Credit Suisse and Barclays daily OAS close valuations

Q3 2016 Portfolio Update

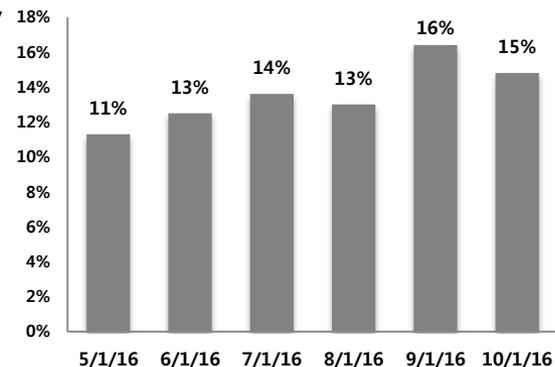
As of 9/30/16
\$62.9 B Portfolio
MBS (\$47.4 B, 75%) & Net TBA Position (\$15.6 B, 25%)



As of 6/30/16
\$61.5 B Portfolio
MBS (\$54.5 B, 89%) & Net TBA Position (\$7.1 B, 11%)



AGNC Actual CPR ¹



≤15 Year - \$16.2 B Portfolio (26% of Total) as of 9/30/16

(\$ In Millions)						
Coupon	FMV	%	% LB / HARP ^{2,3}	WALA ⁴	Oct '16 1 M Actual CPR ¹	Life Forecast CPR ⁵
2.5%	\$3,323	20%	41%	47	11%	10%
3.0%	3,528	22%	79%	52	14%	11%
3.5%	3,724	23%	91%	60	14%	12%
≥ 4.0%	3,367	21%	90%	70	16%	13%
≤ 15 Year MBS	13,942	86%	76%	57	14%	11%
Net Long TBA	2,306	14%	N/A	N/A	N/A	N/A
Total ≤ 15 Year	\$16,248	100%	N/A	N/A	N/A	N/A

30 Year - \$44.1 B Portfolio (70% of Total) as of 9/30/16

(\$ in Millions)						
Coupon	FMV	%	% LB / HARP ^{2,3}	WALA ⁴	Oct '16 1 M Actual CPR ¹	Life Forecast CPR ⁵
≤ 3.0%	\$2,783	6%	5%	40	14%	8%
3.5%	15,978	36%	81%	36	13%	9%
4.0%	10,384	24%	91%	42	18%	11%
≥ 4.5%	1,643	4%	87%	72	20%	13%
30 Year MBS	30,788	70%	78%	40	15%	10%
Net Long TBA ⁶	13,280	30%	N/A	N/A	N/A	N/A
Total 30 Year	\$44,068	100%	N/A	N/A	N/A	N/A

Note: Amounts may not total due to rounding

1. Wtd/avg actual 1 mth annualized CPR released at the beginning of the mth based on the securities held as of the preceding mth-end, excluding net TBA position
2. Lower balance ("LB") loans defined as pools backed by original loan balances of up to \$150K. Wtd/avg original loan balance of \$97 K for ≤15-year and \$100 K for 30-year securities as of Sept 30, 2016
3. HARP defined as pools backed by 100% refinance loans with original LTVs ≥ 80%. Wtd/avg original LTV of 113% for ≤ 15-year and 135% for 30-year securities as of Sept 30, 2016
4. WALA represents the weighted average loan age presented in mths, excluding net TBA position
5. Average projected life CPR as of Sept 30, 2016, excluding net TBA position
6. Includes \$2.6 billion of forward purchases of Agency MBS specified pools

Financing Summary

Our financing position is very strong, with significant access to attractive funding across a wide range of counterparties and financing terms

- ▶ **Weighted average agency repo cost totaled 0.83% as of Sept 30, 2016, compared to 0.78% as of June 30, 2016**
- ▶ **38 repo counterparties as of Sept 30, 2016**
- ▶ **Agency repo weighted average days to maturity totaled 199 days as of Sept 30, 2016, compared to 202 days as of June 30, 2016**
- ▶ **FHLB advances totaled \$3.0 B with a weighted average maturity of 123 days as of Sept 30, 2016 ²**

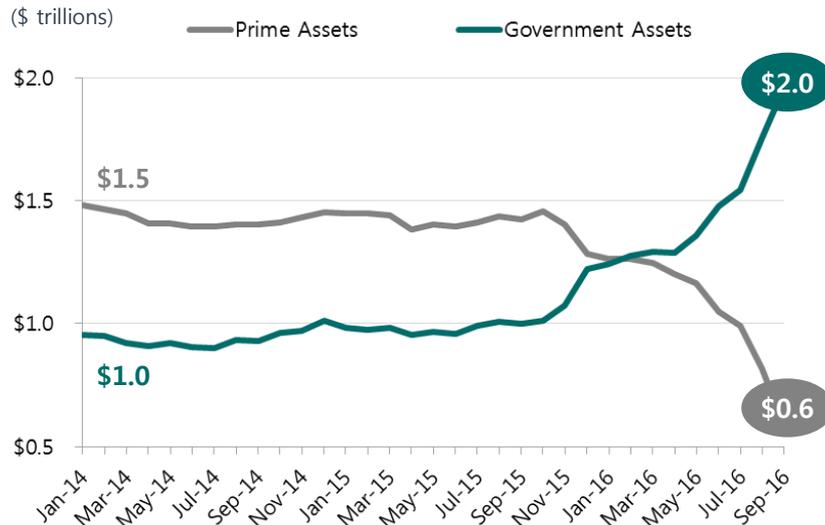
Mortgage Funding ¹				
As of Sept 30, 2016				
	%	Amount (\$ MM)	Interest Rate	Avg. Days to Maturity
Agency Repo	67%	\$37,623	0.83%	199
FHLB Advances ²	5%	3,037	0.63%	123
Total Bal. Sheet - Mortgage Funding	72%	40,660	0.82%	193
TBA Dollar Roll - Mortgage Funding	28%	15,540	N/A	N/A
Total Mortgage Funding	100%	\$56,200	N/A	N/A
As of June 30, 2016				
Total Mortgage Funding	100%	\$51,949	N/A	N/A
Agency Repurchase Agreements ¹				
As of Sept 30, 2016				
Maturity	%	Amount (\$ MM)	Interest Rate	Avg. Days to Maturity
≤ 3 Mths	70%	\$26,516	0.75%	25
> 3 to ≤ 6	10%	3,617	0.90%	126
> 6 to ≤ 9	2%	765	0.85%	221
> 9 to ≤ 12	2%	615	0.95%	309
> 1 to ≤ 3 Yrs	8%	3,085	1.13%	649
> 3 to ≤ 5	8%	3,025	1.18%	1,321
Total / Wtd Avg	100%	\$37,623	0.83%	199
As of June 30, 2016				
Total / Wtd Avg	100%	\$41,937	0.78%	202

1. Table excludes Treasury repurchase agreements of \$45 M and \$10 M associated with U.S. Treasury positions as of Sept 30, 2016 and June 30, 2016, respectively, and \$0.5 B of debt of consolidated VIE's as of Sept 30, 2016 and June 30, 2016
2. On January 12, 2016, the Federal Housing Finance Agency ("FHFA") released its final rule on FHLB membership, which requires the termination of the Company's captive insurance subsidiary's FHLB membership and repayment of all FHLB advances after a one year period ending in February 2017

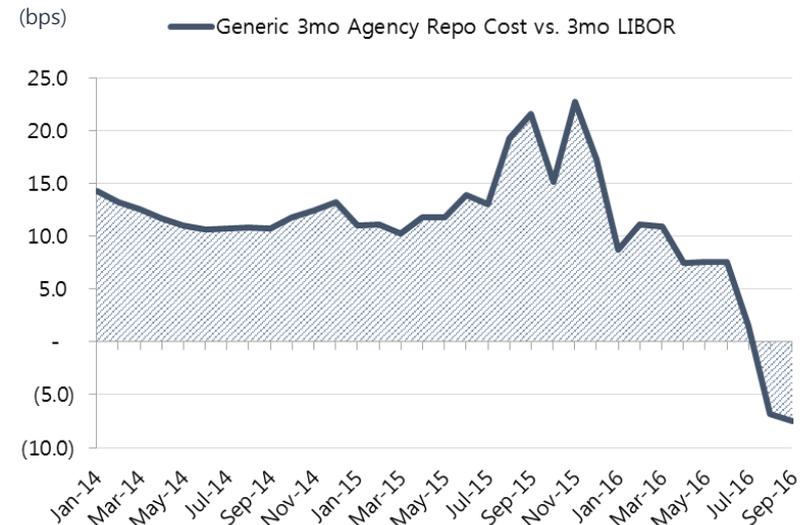
Our Funding Outlook Has Improved

- ▶ **Recent money market reform has caused a shift from prime funds to government funds**
 - ✓ Since mid-2015, government funds have gained approximately \$1 trillion in assets, while prime funds have lost a corresponding amount
- ▶ **The shift to government assets is supportive of the Agency MBS repo market and thus favorable to AGNC's business model**
- ▶ **Agency MBS funding costs have decreased substantially relative to LIBOR**
 - ✓ Within the past year, the spread differential between the cost of Agency repo and LIBOR has decreased over 30 bps to a negative spread of approximately 7 bps as of Sept 2016

Money Market Fund Assets



Generic Repo Cost Spread to LIBOR ¹



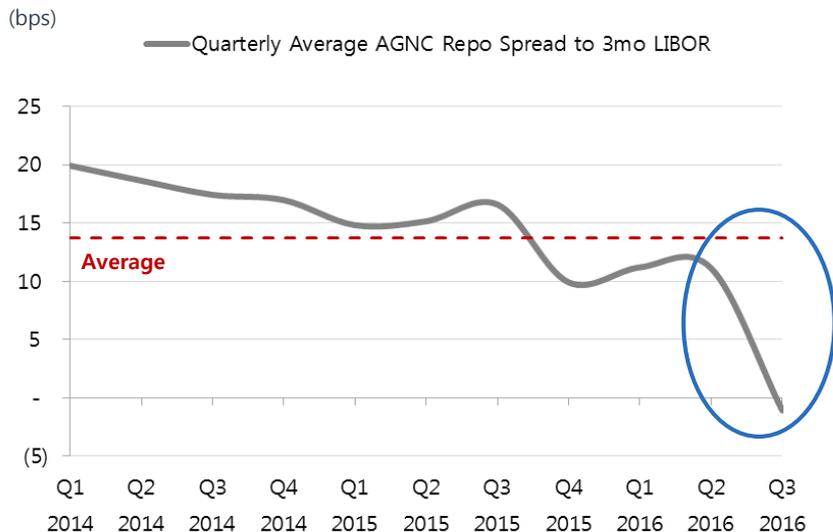
Source: Bloomberg, Credit Suisse and management estimates.

1. Represents monthly average of generic Agency 3 month repo cost relative to 3 month LIBOR

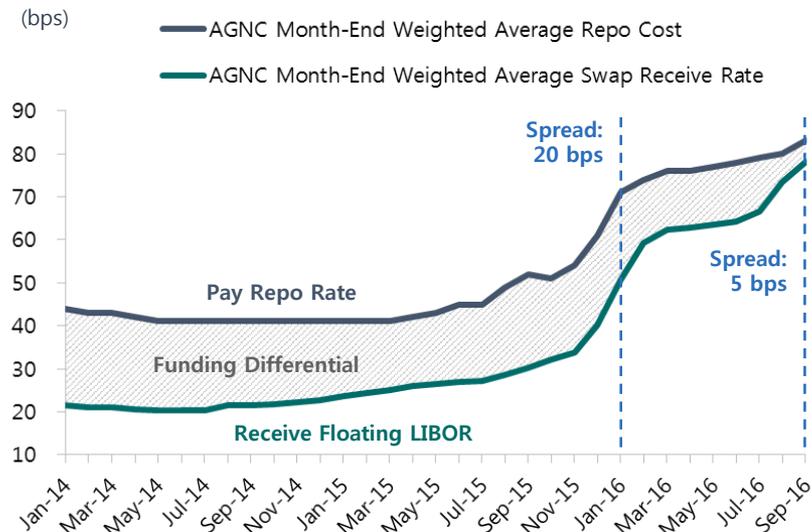
Quantifying AGNC's Funding Improvement

- ▶ Favorable funding dynamics have benefited AGNC's overall cost of funds on the portion of our debt that is hedged with pay fixed swaps
 - ✓ \$34.2 billion notional pay fixed swaps as of Sept 30, 2016
- ▶ AGNC's weighted average repo cost relative to 3-month LIBOR has improved by approximately 15 bps from the historical average
- ▶ As a result, the spread differential between AGNC's weighted average repo cost and the floating rate receive leg of our pay fixed swaps narrowed to 5 bps in the 3rd quarter
 - ✓ Changes in the receive floating leg occur gradually as swaps reset

AGNC Repo Cost Spread to LIBOR



AGNC Repo Cost Spread to Swap Receive Rate



Hedging Summary

▶ **Our interest rate hedge portfolio totaled \$42.7 B and covered 75% of our funding liabilities (repo, FHLB advances, other debt and net TBA position) as of Sept 30, 2016, compared to 79% as of June 30, 2016**

✓ **Interest Rate Swaps**

- \$34.2 B notional pay fixed swaps as of Sept 30, 2016
- \$2.4 B of swaps added during the quarter
- \$3.4 B of swaps terminated or expired during the quarter
- Covered 60% of funding liabilities as of Sept 30, 2016

✓ **Payer Swaptions**

- \$0.7 B notional payer swaptions
- Decrease of \$0.4 B from prior quarter

✓ **U.S. Treasury Securities and Futures**

- \$7.9 B net short treasury position market value
- Increase of \$2.4 B from June 30, 2016

Hedge Portfolio Summary As of Sept 30, 2016				
\$ in MM	Notional/ Market Value 9/30/2016	Duration 9/30/2016 ¹	Net Hedge Gains/ (Losses) Q3 2016 ²	Net Hedge Gains/ (Losses) Per Share Q3 2016
Interest Rate Swaps	\$(34,150)	(3.3)	\$211	\$0.64
Payer Swaptions	(700)	(0.8)	(1)	--
U.S. Treasuries	(7,878)	(5.8)	30	0.09
Total / Q3 2016 ³	\$(42,728)	(2.6)	\$240	\$0.73
As of June 30, 2016 / Q2 2016				
Total / Q2 2016 ³	\$(41,656)	(2.8)	\$(395)	\$(1.19)

Interest Rate Swaps As of Sept 30, 2016				
Years to Maturity	Notional Amount (\$ MM) ⁴	Pay Rate ⁵	Receive Rate ⁶	Average Maturity (Years) ⁷
≤ 3 Years	\$19,025	1.05%	0.79%	1.4
> 3 to ≤ 5	5,050	1.55%	0.76%	3.5
> 5 to ≤ 7	7,075	2.23%	0.76%	5.8
> 7 to ≤ 10	1,825	2.46%	0.83%	8.6
> 10	1,175	3.20%	0.80%	14.0
Total / Wtd Avg	\$34,150	1.52%	0.78%	3.5
As of June 30, 2016				
Total / Wtd Avg	\$35,125	1.64%	0.64%	4.0

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/loss (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
4. Notional amount includes forward starting swaps of \$2.2 B and \$2.7 B as of Sept 30 and June 30, 2016, respectively, with an average forward start date of 0.5 and 0.7 years, respectively, and an average maturity of 6.8 and 7.1 years from Sept 30 and June 30, 2016, respectively
5. Weighted average pay rate includes forward starting swaps. Excluding forward starting swaps, the weighted average pay rate was 1.40% and 1.51% as of Sept 30 and June 30, 2016, respectively
6. Weighted average receive rate excludes forward starting swaps
7. Average maturity includes forwarding starting swaps

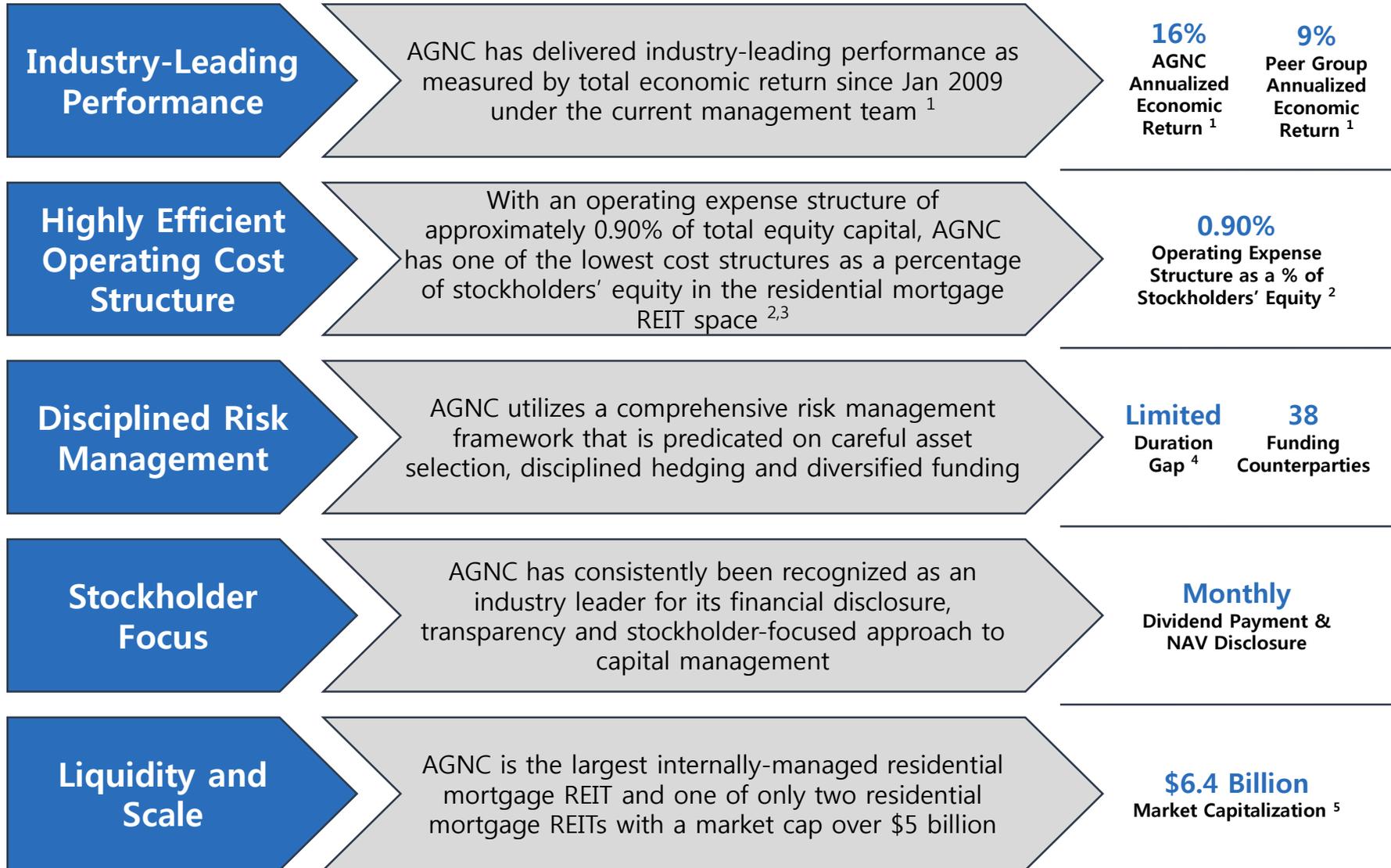
We do not eliminate interest rate risk or lock in a particular net interest margin, but we instead seek to maintain our net book value within reasonable bands over a range of interest rate scenarios

Duration Gap Sensitivity ^{1,2} As of Sept 30, 2016			
	Rates - 100 bps	Duration 9/30/2016	Rates + 100 bps
Mortgage Assets: ³			
30-Year MBS	1.4	3.2	5.3
15-Year MBS	1.4	2.6	3.5
Total Mortgage Assets	1.4	3.0	4.7
Liabilities and Hedges	(2.8)	(2.7)	(2.6)
Net Duration Gap	(1.4)	0.3	2.1

As of June 30, 2016			
Net Duration Gap	(1.5)	0.0	1.8

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. 15-year MBS position includes 20-year fixed rate MBS, AAA non-agency MBS, CRT, ARMs and CMOs

The AGNC Value Proposition



Endnotes to slide 13

- 1) Annualized economic return measured from Dec 31, 2008 through June 30, 2016. Total economic return represents the change in net book value ("net asset value" or "NAV") per common share and dividends declared on common stock during the period over the beginning NAV per common share. For agency-focused residential mortgage REIT peer comparison purposes, AGNC's peer group is comprised of ANH, ARR, CMO, CYS and NLY.
- 2) AGNC's operating expense structure projection is based on total stockholders' equity as of Sep 30, 2016 and excludes nonrecurring transaction-related charges (including retention or stay bonuses), other one-time or transitional expenses, and non-cash expenses, such as non-cash amortization charges, associated with the internalization transaction. Projection also excludes the net economic benefit associated with receipt of the MTGE management fee and incremental G&A expenses associated with AGNC's management of MTGE that will be reimbursed by MTGE.
- 3) Mortgage REIT universe comprised of AJX, ANH, ARR, CHMI, CIM, CMO, CYS, DX, EARN, IVR, MFA, MITT, MTGE, NLY, NRZ, NYMT, OAKS, ORC, PMT, RWT, TWO and WMC. Mortgage REIT cost structures based on last twelve months' operating expenses and average stockholders' equity over the same period as publicly reported by such REITs. Operating costs include expenses for compensation and benefits, management fees and G&A and may include one-time or nonrecurring expenses. Operating costs exclude direct costs such as loan acquisition costs, securitization costs, servicing expenses, etc. to the extent publicly disclosed by such REITs.
- 4) The duration of an asset or liability measures how much its price is expected to change if interest rates move in a parallel manner; it is a model estimate and is measured in years as of a point in time. Duration gap is a measure of the difference in the interest rate exposure, or estimated price sensitivity, of our assets and our liabilities (including hedges). AGNC uses a risk management system and models provided by BlackRock Solutions to generate these calculations and as a tool for helping us to measure other exposures, including exposure to larger interest rate moves and yield curve changes. The inputs and results from these models are not audited by our independent auditors.
- 5) Market capitalization as of Oct 19, 2016.

Financial Results

Balance Sheets

(\$ in millions, except per share data, unaudited except 12/31/15)	9/30/16	6/30/16	3/31/16	12/31/15	9/30/15
Agency Securities, at Fair Value	\$46,328	\$53,418	\$54,950	\$51,331	\$53,729
Agency Securities Transferred to Consolidated Variable Interest Entities, at Fair Value	890	945	993	1,029	1,088
Non-Agency Securities, at Fair Value	102	107	112	113	--
Agency Credit Risk Transfer Securities, at Fair Value	36	--	--	--	--
U.S. Treasury Securities, at Fair Value	45	62	--	25	787
REIT Equity Securities, at Fair Value	--	19	38	33	34
Cash and Cash Equivalents	1,254	1,131	1,109	1,110	1,505
Restricted Cash	681	1,399	1,686	1,281	1,413
Derivative Assets, at Fair Value	61	111	55	81	143
Receivable for Securities Sold	228	--	--	--	147
Receivable under Reverse Repurchase Agreements	5,441	2,982	3,163	1,713	1,463
Goodwill and Other Intangible Assets, Net	555	--	--	--	--
Other Assets	268	301	290	305	300
Total Assets	\$55,889	\$60,475	\$62,396	\$57,021	\$60,609
Repurchase Agreements	\$37,668	\$41,947	\$45,276	\$41,754	\$41,014
Federal Home Loan Bank Advances	3,037	3,037	3,037	3,753	3,502
Debt of Consolidated Variable Interest Entities, at Fair Value	494	528	562	595	626
Payable for Securities Purchased	251	2,581	889	182	4,178
Derivative Liabilities, at Fair Value	947	1,519	1,652	935	1,536
Dividends Payable	66	73	73	74	76
Obligation to Return Securities Borrowed under Reverse Repurchase Agreements, at Fair Value	5,424	3,017	3,175	1,696	1,309
Accounts Payable and Other Accrued Liabilities	71	71	72	61	52
Total Liabilities	47,958	52,773	54,736	49,050	52,293
Preferred Equity at Aggregate Liquidation Preference	348	348	348	348	348
Common Equity	7,583	7,354	7,312	7,623	7,968
Total Stockholders' Equity	7,931	7,702	7,660	7,971	8,316
Total Liabilities and Stockholders' Equity	\$55,889	\$60,475	\$62,396	\$57,021	\$60,609
Other Supplemental Data:					
Net TBA Long, at Fair Value ¹	\$15,586	\$7,072	\$6,024	\$7,444	\$7,385
Tangible Net Book Value "At Risk" Leverage ²	7.7x	7.2x	7.3x	6.8x	6.8x
Tangible Net Book Value Per Common Share ³	\$21.23	\$22.22	\$22.09	\$22.59	\$23.00

1. TBAs are reported in derivative assets/liabilities in the above balance sheet at their net carrying value (fair value less cost basis)

2. Tangible net book value "at risk" leverage is calculated as sum of Agency MBS repurchase agreements, FHLB advances, net payable/receivable for Agency MBS not yet settled, net TBA dollar roll position (at cost) and debt of consolidated variable interest entities ("other debt") divided by the sum of total stockholders' equity less goodwill and other intangible assets, net and the fair value of investments in REIT equity securities. Tangible "at risk" leverage excludes U.S. Treasury repurchase agreements of \$45 M, \$10 M, \$0, \$25 M and \$0.5 B as of Sept, Jun 30, Mar 31, 2016 and Dec 31 and Sept 30, 2015, respectively

3. Tangible Net book value per common share calculated as stockholders' equity, less goodwill and other intangible assets, net and the Series A and Series B Preferred Stock liquidation preference, divided by total common shares outstanding

Income Statements

(\$ in millions, except per share data) (Unaudited)	Q3 2016	Q2 2016	Q1 2016	Q4 2015	Q3 2015
Interest Income	\$315	\$318	\$295	\$374	\$295
Interest Expense	(96)	(101)	(99)	(86)	(77)
Net Interest Income	219	217	196	288	218
Gain (Loss) on Sale of Agency Securities, Net	61	55	(2)	2	(39)
Gain (Loss) on Derivative Instruments and Other Securities, Net	242	(367)	(933)	331	(778)
Management Fee Income	4	--	--	--	--
Total Other Gain (Loss), Net	307	(312)	(935)	333	(817)
Management Fee Expense	--	(25)	(27)	(28)	(29)
Compensation and Benefits	(9)	--	--	--	--
Other Operating Expenses	(6)	(15)	(6)	(5)	(5)
Total Operating Expenses	(15)	(40)	(33)	(33)	(34)
Net Income (Loss)	511	(135)	(772)	588	(633)
Dividend on Preferred Stock	(7)	(7)	(7)	(7)	(7)
Net Income (Loss) Available (Attributable) to Common Stockholders	\$504	\$(142)	\$(779)	\$581	\$(640)
Net Income (Loss)	\$511	\$(135)	\$(772)	\$588	\$(633)
Unrealized Gain (Loss) on Available-for-Sale Securities, Net	(97)	370	765	(583)	467
Unrealized Gain on Derivative Instruments, Net	7	12	19	22	24
Other Comprehensive Income (Loss)	(90)	382	784	(561)	491
Comprehensive Income (Loss)	421	247	12	27	(142)
Dividend on Preferred Stock	(7)	(7)	(7)	(7)	(7)
Comprehensive Income (Loss) Available (Attributable) to Common Stockholders	\$414	\$240	\$5	\$20	\$(149)
Weighted Average Common Shares Outstanding – Basic and Diluted	331.0	331.0	334.4	341.6	347.8
Net Income (Loss) per Common Share	\$1.52	\$(0.43)	\$(2.33)	\$1.70	\$(1.84)
Comprehensive Income (Loss) per Common Share	\$1.25	\$0.73	\$0.01	\$0.06	\$(0.43)
Dividends Declared per Common Share	\$0.56	\$0.60	\$0.60	\$0.60	\$0.60

Reconciliation of GAAP Net Interest Income to Net Spread and Dollar Roll Income ¹



(\$ in millions, except per share data) (Unaudited)	Q3 2016	Q2 2016	Q1 2016	Q4 2015	Q3 2015
Interest Income	\$315	\$318	\$295	\$374	\$295
Interest Expense:					
Repurchase Agreements and Other Debt	(89)	(89)	(80)	(64)	(53)
Interest Rate Swap Periodic Costs ²	(7)	(12)	(19)	(22)	(24)
Interest Expense	(96)	(101)	(99)	(86)	(77)
Net Interest Income	219	217	196	288	218
Other Interest Rate Swap Periodic Costs ^{3,4}	(51)	(69)	(89)	(102)	(107)
TBA Dollar Roll Income, Net ⁴	54	44	50	53	73
Dividend on REIT Equity Securities ⁴	--	1	1	1	1
Management Fee Income	4	--	--	--	--
Adjusted Net Interest and Dollar Roll Income	226	193	158	240	185
Operating Expenses:					
Total Operating Expenses	(15)	(40)	(33)	(33)	(34)
Less Non-Recurring Transaction Costs	--	9	--	--	--
Adjusted Total Operating Expenses	(15)	(31)	(33)	(33)	(34)
Net Spread and Dollar Roll Income	211	162	125	207	151
Dividend on Preferred Stock	(7)	(7)	(7)	(7)	(7)
Net Spread and Dollar Roll Income Available to Common Stockholders	204	155	118	200	144
Estimated "Catch Up" Premium Amortization Cost (Benefit) due to Change in CPR Forecast	8	32	55	(14)	33
Net Spread and Dollar Roll Income, Excluding "Catch Up" Amortization, Available to Common Stockholders	\$212	\$187	\$173	\$186	\$177
Weighted Average Common Shares Outstanding – Basic and Diluted	331.0	331.0	334.4	341.6	347.8
Net Spread and Dollar Roll Income per Common Share	\$0.62	\$0.46	\$0.36	\$0.58	\$0.41
Net Spread and Dollar Roll Income, Excluding "Catch Up" Amortization, per Common Share	\$0.64	\$0.56	\$0.52	\$0.54	\$0.51

Note: Amounts may not total due to rounding

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

2. We voluntarily discontinued hedge accounting under GAAP as of Sept 30, 2011. Accumulated OCI on de-designated interest rate swaps is being amortized on a straight-line basis over the remaining swap terms into interest expense. All other periodic interest costs, termination fees and mark-to-market adjustments associated with interest rate swaps are reported in other income (loss), net pursuant to GAAP

3. Other interest rate swap periodic costs represent periodic interest costs on the Company's interest rate swap portfolio in excess of amortized amounts reclassified from accumulated OCI into interest expense. Other interest rate swap periodic costs exclude interest rate swap termination fees and mark-to-market adjustments on interest rate swaps

4. Reported in gain (loss) on derivative instruments and other securities, net in the accompanying income statement

Reconciliation of GAAP Net Income to Estimated Taxable Income ¹



(\$ in millions, except per share data) (Unaudited)	Q3 2016	Q2 2016	Q1 2016	Q4 2015	Q3 2015
Net Income (Loss)	\$511	\$(135)	\$(772)	\$588	\$(633)
Book to Tax Differences:					
Premium Amortization, Net	(15)	20	55	(18)	15
Realized Gain / Loss, Net	249	391	93	154	12
Utilization of Net Capital Loss Carryforward ²	(127)	(99)	(99)	(83)	--
Unrealized Gain / Loss, Net	(540)	(106)	804	(543)	672
Other	(8)	9	--	--	--
Total Book to Tax Differences	(441)	215	853	(490)	699
Estimated REIT Taxable Income	70	80	81	98	66
Dividend on Preferred Stock	(7)	(7)	(7)	(7)	(7)
Estimated REIT Taxable Income, net of Preferred Stock Dividend	\$63	\$73	\$74	\$91	\$59
Weighted Average Common Shares Outstanding – Basic and Diluted	331.0	331.0	334.4	341.6	347.8
Estimated REIT Taxable Income per Common Share	\$0.19	\$0.22	\$0.22	\$0.27	\$0.17
Beginning Cumulative Non-Deductible Net Capital Loss					
	\$486	\$585	\$684	\$767	\$767
Utilization of Net Capital Loss Carryforward	(127)	(99)	(99)	(83)	--
Ending Cumulative Non-Deductible Net Capital Loss	\$359	\$486	\$585	\$684	\$767
Ending Cumulative Non-Deductible Net Capital Loss per Common Share	\$1.08	\$1.47	\$1.77	\$2.03	\$2.21

Amounts may not total due to rounding

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

2. Capital losses in excess of capital gains are not deductible from ordinary taxable income, but may be carried forward for up to five years and applied against future net capital gains. As of Sept 30, 2016, \$0.4 B of net capital losses were available through Dec 2018

Net Book Value Roll Forward

(In millions, except per share data) (Unaudited)	Q3 2016		
	Balance	Common Shares Outstanding	Net Book Value per Common Share
Beginning Net Common Equity ¹	\$7,354	331.0	\$22.22
Net Income	511		
Other Comprehensive Loss	(90)		
Dividend on Common Stock	(185)		
Dividend on Preferred Stock	(7)		
Ending Net Common Equity	\$7,583	331.0	\$22.91
Goodwill and Other Intangible Assets, Net	555		
Ending Tangible Net Common Equity	\$7,028	331.0	\$21.23
Series A Preferred Stock Liquidation Preference	173		
Series B Preferred Stock Liquidation Preference	175		
Ending Tangible Total Stockholders' Equity	\$7,376		
Ending Total Stockholders' Equity	\$7,931		

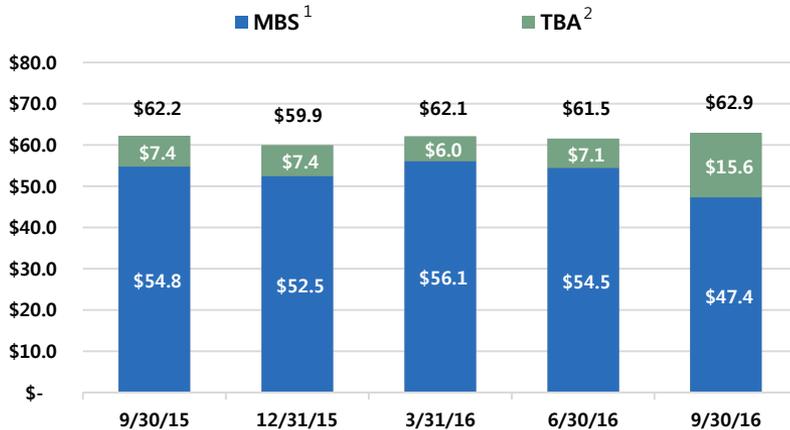
Amounts may not total due to rounding

1. Common equity is net of the Company's Series A and Series B Preferred Stock liquidation preference

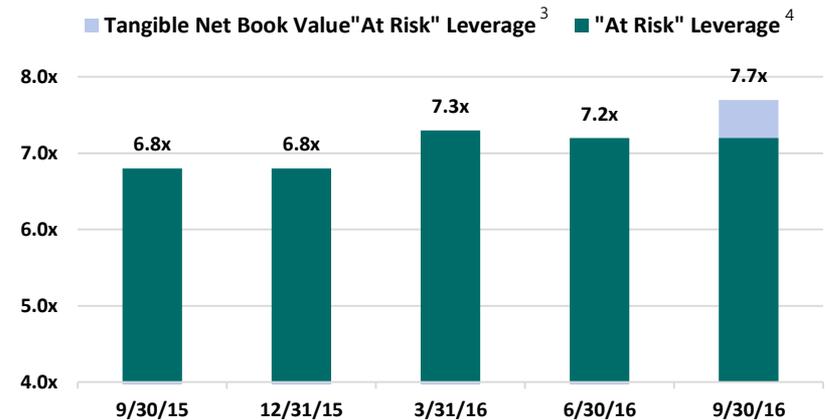
Supplemental Slides

AGNC Historical Overview

Asset Composition (\$ B)

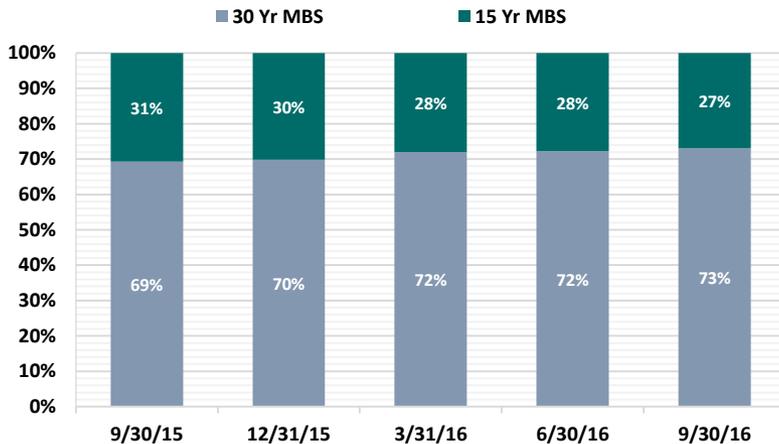


Leverage

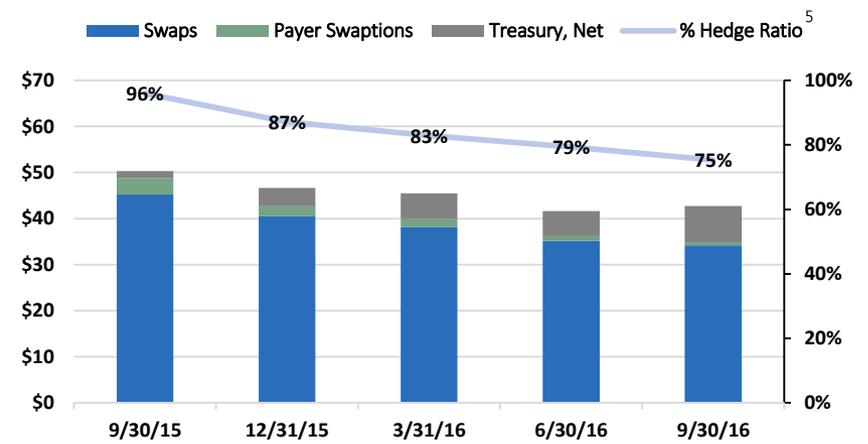


Fixed Rate Securities

15 Yr vs. 30 Yr Composition



Interest Rate Hedge Composition (\$ B)



1. MBS includes Agency MBS, AAA non-agency MBS and GSE credit risk transfer securities

2. TBA includes forward purchase's of Agency MBS specified pools. Amount is net of short TBA position

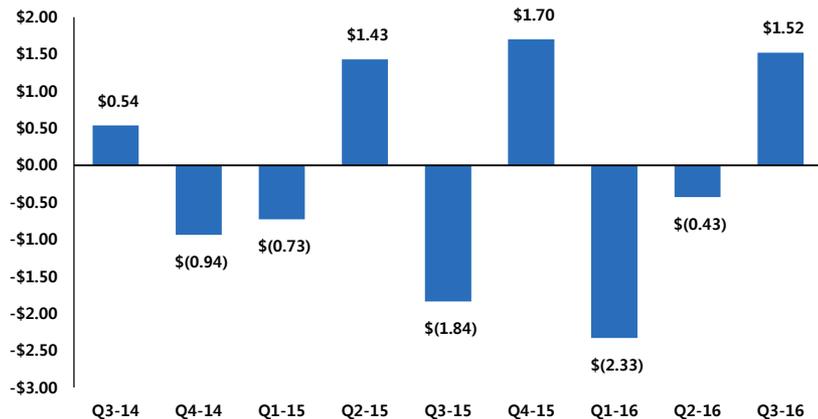
3. Tangible net book value "at risk" leverage includes the components of "at risk" leverage with stockholders equity adjusted to exclude goodwill and other intangible assets, net

4. "At risk" leverage calculated as sum of Agency MBS repurchase agreements, FHLB advances, net payable/receivable for Agency MBS not yet settled, TBA dollar roll position (at cost) and other debt divided by the sum of total stockholders' equity less the fair value of investments in REIT equity securities. Leverage excludes U.S. Treasury repurchase agreements of \$45 M, \$10 M, \$0, \$25 M and \$0.5 B as of Sept 30, June 30 and Mar 31, 2016 and Dec 31 and Sept 30, 2015, respectively

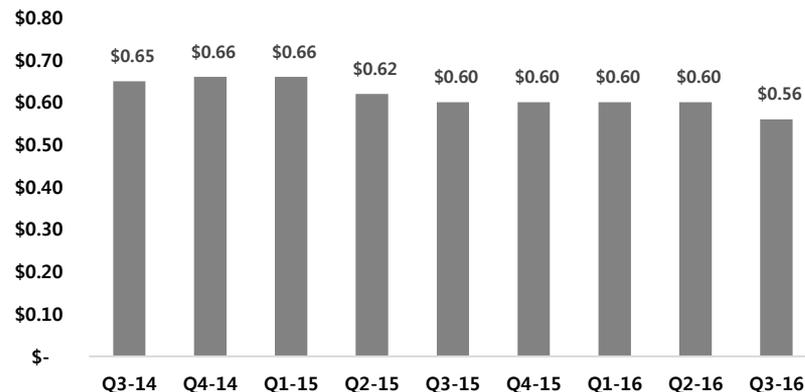
5. Measured as the ratio of interest rate swaps, swaptions and net U.S. Treasury position over repo agreements, FHLB advances, other debt and net TBA position, at cost

AGNC Historical Overview

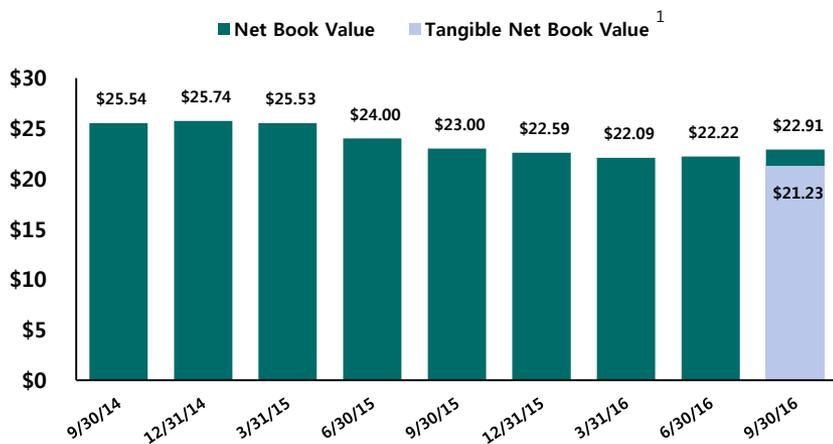
Comprehensive Income per Share



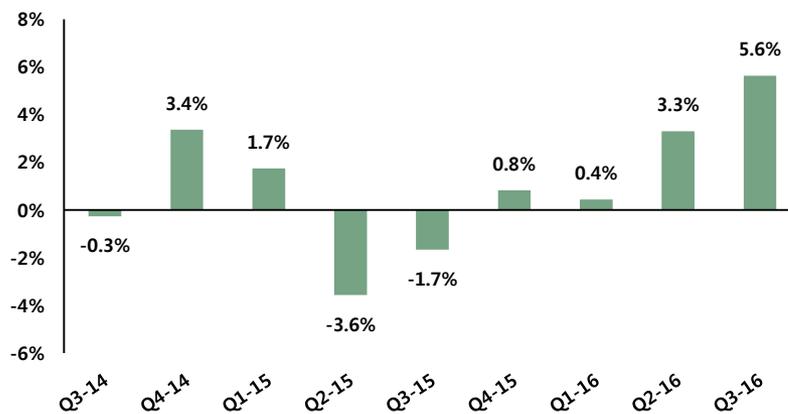
Dividend per Share



Net Book Value per Share



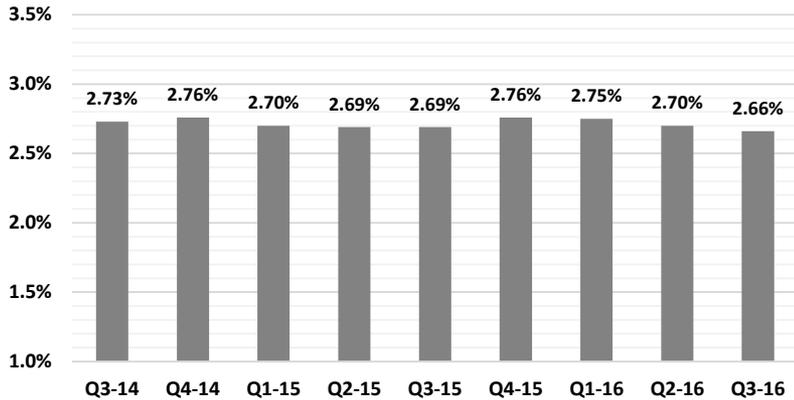
Economic Return ²



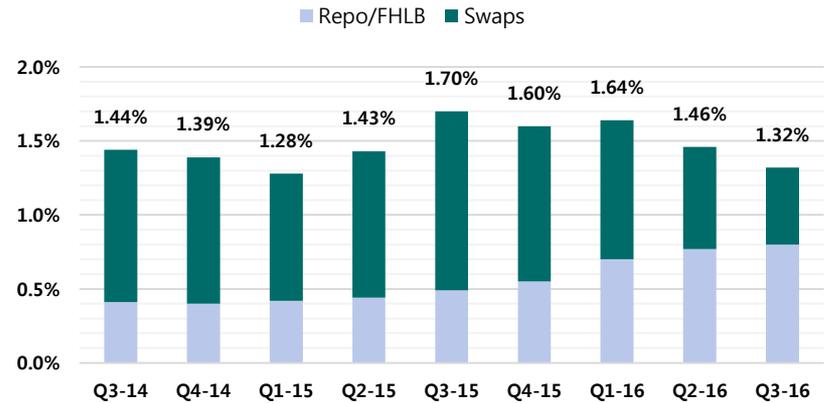
1. Tangible net book value per common share excludes goodwill and other intangible assets, net
 2. Economic return represents the change in NAV per share plus dividends declared.

AGNC Historical Overview

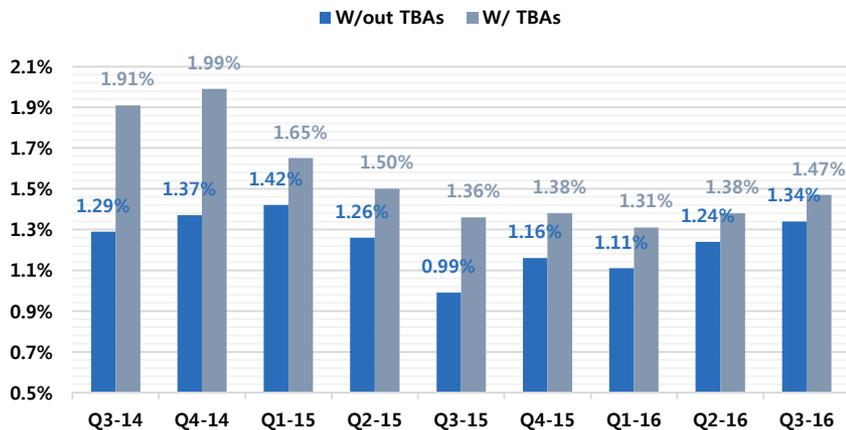
Average Asset Yield
(Excludes "Catch-up" Premium Amortization and TBAs)



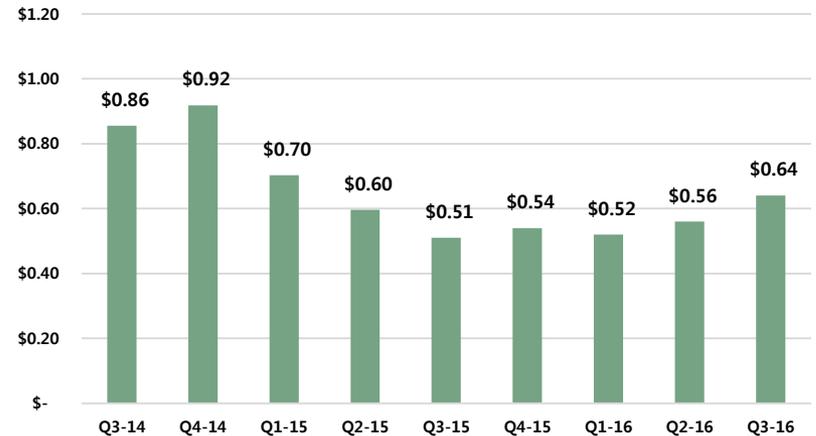
Average Cost of Funds
(Excludes TBAs)



Net Interest Rate Spread
(Excludes "Catch-up" Premium Amortization)



Net Spread and TBA Dollar Roll Income per Common Share
(Excludes "Catch-up" Premium Amortization)



Fixed Rate Agency Securities – MBS and NET TBA Position



\$ in millions – as of Sept 30, 2016

MBS Coupon ¹	Par Value ²	Market Value ²	Higher Quality Specified Pools ³	Other Specified Pools ⁴	MBS Amortized Cost Basis ⁵	MBS Average WAC ^{5,6}	MBS Average Age (Months) ⁵	MBS Actual 1 Month CPR ^{5,7}	Duration (Years) ^{2,8}
≤15 YR Mortgage Securities									
2.5%	\$5,041	\$5,222	23%	6%	101.6%	2.96%	47	11%	2.8
3.0%	3,639	3,834	71%	9%	102.9%	3.50%	52	14%	2.3
3.5%	3,597	3,825	88%	3%	103.4%	3.95%	60	14%	2.5
4.0%	2,843	3,034	84%	7%	104.0%	4.40%	69	16%	2.2
4.5%	306	328	92%	6%	104.5%	4.87%	73	16%	2.4
≥ 5.0%	4	5	25%	75%	103.4%	6.57%	107	45%	2.1
Subtotal ≤15 YR	\$15,430	\$16,248	63%	6%	103.0%	3.72%	57	14%	2.5
20 YR Mortgage Securities									
≤ 3.0%	\$234	\$247	20%	10%	99.4%	3.55%	40	11%	2.3
3.5%	458	489	70%	12%	102.1%	4.06%	43	16%	2.2
4.0%	57	62	38%	11%	103.9%	4.54%	61	11%	1.7
4.5%	72	80	99%	--%	106.3%	4.90%	70	11%	2.2
≥ 5.0%	3	3	--%	--%	105.8%	5.92%	100	44%	1.6
Subtotal 20 YR	\$824	\$881	56%	10%	101.8%	4.03%	46	14%	2.2
30 YR Mortgage Securities									
≤ 3.0%	\$9,702	\$10,086	--%	1%	100.6%	3.59%	40	14%	3.5
3.5%	18,127	19,305	66%	2%	105.3%	4.07%	36	13%	3.4
4.0%	11,900	12,926	62%	15%	106.9%	4.51%	42	18%	2.7
4.5%	1,320	1,465	81%	8%	106.3%	4.97%	64	21%	2.8
5.0%	126	141	36%	29%	106.0%	5.45%	101	13%	3.4
≥ 5.5%	128	145	38%	13%	109.1%	6.20%	119	23%	2.8
Subtotal 30 YR	\$41,303	\$44,068	50%	6%	105.4%	4.23%	40	15%	3.2
Total Fixed	\$57,557	\$61,197	53%	6%	104.6%	4.07%	46	15%	3.0

1. The wtd/avg coupon on fixed rate securities held as of Sept 30, 2016 was 3.55% excluding the net long TBA mortgage position and 3.46% including the net long TBA position

2. Excluding net TBA position, total fixed-rate MBS as of Sept 30, 2016 had a par value of \$42,676, market value of \$45,611 and avg duration of 3.1 years

3. Higher quality specified pools include pools backed by orig. loan balances of up to \$150K and HARP securities backed by 100% refi. loans with orig. LTVs ≥ 100%

4. Other specified pools include pools backed by orig. loan balances of > \$150K and ≤ \$175K; HARP securities with 100% refi. loans and orig. LTVs of ≥ 80 and <100%; low FICO loans with a max orig. credit score of 700; loans 100% originated in N.Y. and Puerto Rico; and 100% investor occupancy status loans

5. Average MBS cost basis, WAC, Age and CPR exclude net TBA position

6. Average WAC represents the weighted average coupon of the underlying collateral

7. Actual 1 month annualized CPR published during Oct 2016 for Agency securities held as of Sept 30, 2016

8. 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

Repo Counterparty Credit Risk

- ▶ Our repo funding is well diversified by counterparty and geography
- ▶ Less than 5% of our equity at risk with any one counterparty
- ▶ Less than 12% of our equity at risk with top 5 counterparties

Counterparty Region	Number of Counterparties	Percent of Agency Repo Funding
North America	20	63%
Asia	5	12%
Europe	13	25%
Total	38	100%

Counterparty Region	Counterparty Rank	Counterparty Exposure as a % of NAV ^{1,2}
North America	1	4.8%
	2	2.0%
	3	1.6%
	4	1.4%
	5	1.3%
	6-19	7.7%
Asia	1	1.3%
	2	0.9%
	3	0.8%
	4	0.7%
	5	0.3%
Europe	1	2.0%
	2	1.5%
	3	0.9%
	4	0.7%
	5	0.7%
	6-13	1.7%

Total Exposure	30.3%
Top 5 Exposure	11.9%

Note: All figures as of Sept 30, 2016

1. Excludes FHLB advances and other debt in connection with the consolidation of a structured transaction under GAAP
2. Counterparty exposure with regard to Agency collateral pledged under repo agreements. Amounts do not include exposure with regard to collateral pledged under derivative agreements, prime brokerage agreements and other debt

Other Hedge and Derivative Instruments

▶ U.S. Treasury Position

- ✓ \$5.4 B net short U.S. Treasury securities
- ✓ \$2.5 B short U.S Treasury futures

▶ Payer Swaptions

- ✓ \$0.7 B notional payer swaptions as of Sept 30, 2016
 - \$0.4 B payer swaptions expired during the quarter
 - 0.4 year average remaining option term, 7.0 years average underlying swap term

▶ TBA Mortgages

- ✓ \$15.6 B net long position market value ¹

U.S. Treasury Position As of Sept 30, 2016 (\$ MM)		
Maturity	Face Amount	Market Value
	Net Long / (Short)	Net Long / (Short)
5 Year	\$(2,400)	\$(2,575)
7 Year	(2,941)	(2,959)
10 Year	(1,930)	(2,344)
Total	\$(7,271)	\$(7,878)

As of June 30, 2016		
Total	\$(4,828)	\$(5,481)

Payer Swaptions As of Sept 30, 2016 (\$ in MM)					
Years to Expiration	Notional Amount	Cost	Market Value	Pay Rate	Swap Term (Years)
≤ 1 Year	\$700	\$44	\$6	3.10%	7.0

As of June 30, 2016					
Total / Wtd Avg	\$1,050	\$55	\$7	3.38%	6.7

Net TBA Position As of Sept 30, 2016 (\$ MM)		
Term	Face Amount	Market Value
	Net Long / (Short)	Net Long / (Short)
15 Year	\$2,227	\$2,306
30 Year ¹	12,654	13,280
Total	\$14,881	\$15,586

As of June 30, 2016		
Total	\$6,756	\$7,072

1. Includes \$2.6 billion of forward purchases of Agency MBS specified pools

NAV Sensitivity to Rates and MBS Spreads

Changes in interest rates and changes in MBS spreads relative to Treasury and swap rates can impact the market value of our equity

▶ Interest Rate Sensitivity

- ✓ Interest rate sensitivity is the sensitivity of our assets to changes in interest rates
- ✓ The estimated change in the market value of our asset portfolio, net of hedges, incorporates the dual effects of both duration and convexity and assumes no portfolio rebalancing actions

Interest Rate Sensitivity ¹ As of Sept 30, 2016 (based on instantaneous parallel shift in interest rates)		
Interest Rate Shock (bps)	Estimated Change in Portfolio Market Value ²	Estimated Change as a % of NAV ³
-100	-0.6%	-5.3%
-50	-0.1%	-0.8%
+50	-0.4%	-3.4%
+100	-1.3%	-10.5%

▶ MBS Spread Sensitivity (“Basis Risk”)

- ✓ The MBS spread sensitivity is the sensitivity of our assets to changes in MBS spreads
- ✓ Our estimated spread sensitivity is based on model predictions and assumes a spread duration of 4.5 years, which is based on interest rates and MBS prices as of Sept 30, 2016
- ✓ The spread sensitivity is also sensitive to interest rates and increases as interest rates rise and prepayments slow

MBS Spread Sensitivity (“Basis Risk”) ¹ As of Sept 30, 2016		
MBS Spread Shock (bps)	Estimated Change in Portfolio Market Value ²	Estimated Change as a % of NAV ³
-25	1.1%	9.3%
-10	0.5%	3.7%
+10	-0.5%	-3.7%
+25	-1.1%	-9.3%

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

Use of Non-GAAP Financial Information

In addition to the results presented in accordance with GAAP, our results of operations discussed in this presentation include certain non-GAAP financial information, including “adjusted net interest expense,” “net spread and dollar roll income,” “net spread and dollar roll income, excluding ‘catch-up’ premium amortization,” “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 rate spread.”

“Adjusted net interest expense” is measured as interest expense (GAAP measure) adjusted to include other interest rate swap periodic costs. “Net spread and dollar roll income” is measured as (i) net interest income (GAAP measure) adjusted to include other interest rate swap periodic costs, TBA dollar roll income, dividends on REIT equity securities and management fee income (referred to as “adjusted net interest and dollar roll income”) less (ii) total operating expenses (GAAP measure) adjusted to exclude non-recurring transaction costs (referred to as “adjusted operating expenses”). “Net spread and dollar roll income, excluding ‘catch-up’ premium amortization,” further excludes retrospective “catch-up” adjustments to premium amortization cost or benefit 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 will 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 measures that are not necessarily indicative of our current investment portfolio performance and operations.

Specifically, in the case of “adjusted net interest and dollar roll income,” we believe the inclusion of TBA dollar roll income is meaningful as TBAs, which are accounted for under GAAP as derivative instruments with gains and losses recognized in other gain (loss) in our statement of operations, are economically equivalent to holding and financing generic agency MBS using short-term repurchase agreements. Similarly, we believe that the inclusion of periodic interest rate swap settlements in such measure and in “adjusted net interest expense,” which are recognized under GAAP in other gain (loss), is meaningful as interest rate swaps are the primary instrument we use to economically hedge against fluctuations in our borrowing costs and inclusion of all periodic interest rate swap settlement cost is more indicative of our total cost of funds than interest expense alone. In the case of “net spread and dollar roll income, excluding ‘catch-up’ premium amortization,” we believe the exclusion of “catch-up” adjustments to premium amortization cost or benefit 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 cost or benefit is more indicative of the current earnings potential of our investment portfolio. We also believe the exclusion of non-recurring transactions costs reported in operating expense under GAAP is meaningful as they represent non-recurring transaction costs associated with our acquisition of AGNC Mortgage Management, LLC (formerly known as American Capital Mortgage Management, LLC) and are not representative of ongoing operating costs. In the case of estimated taxable income, we believe it is meaningful information as it is directly related to the amount of dividends we are required to distribute in order to maintain our REIT qualification status.

However, because such measures are incomplete measures of our 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, our 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 our income tax returns, which occurs after the end of our fiscal year.

A reconciliation of GAAP net interest income 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.