



Q1 2018 Stockholder Presentation

April 26, 2018

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

Tangible Net Book Value²:
\$18.63 Per Share

IPO Date:
May 2008

Total Dividends Paid Since IPO¹:
\$37.70 Per Share

Total Equity Capital²:
\$7.8 B



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:
\$7.626 Per Share

Public Offering Price: **\$25.00 Per Depositary Share** Depository Shares Outstanding³:
7.0 Million



Type / Name:
**7.000% Series C Fixed-to-Floating Rate
Cumulative Redeemable Preferred Stock**

Preferred Stock Ticker: **AGNCN** Per Annum Dividend Rate:
7.000% Payable Quarterly⁴

Exchange: **Nasdaq** Total Dividends Paid Since Offering¹:
\$1.133 Per Depositary Share

Public Offering Price: **\$25.00 Per Depositary Share** Depository Shares Outstanding³:
13.0 Million

Note: Information as of March 31, 2018 unless otherwise indicated

1. As of Apr 17, 2018
2. "Tangible Net Book Value" and "Total Equity Capital" are net of 7.750% Series B Cumulative Redeemable Preferred Stock ("Series B Preferred Stock") and 7.000% Series C Fixed-to-Floating Rate Cumulative Redeemable Preferred Stock ("Series C Preferred Stock") liquidation preference of \$175 and \$325 million, respectively
3. Each depositary share outstanding represents a 1/1,000th interest in a share of preferred stock
4. The Series C Preferred Stock accrues dividends at a fixed rate of 7.000% per annum to (but excluding) October 15, 2022 and, from and including October 15, 2022, at a floating rate equal to three-month LIBOR plus a spread of 5.111% per annum

- **\$(0.53) Comprehensive Loss per Share, Comprised of:**
 - \$1.06 net income per share
 - \$(1.59) other comprehensive loss ("OCI") per share on investments marked-to-market through OCI
- **\$0.60 Net Spread and Dollar Roll Income per Share, Excluding Estimated "Catch-Up" Premium Amortization Benefit ¹**
 - Includes \$0.16 per share of dollar roll income associated with a \$15.6 B average net long position in forward purchases and sales of Agency MBS in the "to-be-announced" ("TBA") market ²
 - Excludes \$0.05 per share of estimated "catch-up" premium amortization benefit due to change in projected constant prepayment rate ("CPR") estimates
- **\$18.63 Tangible Net Book Value per Share as of Mar 31, 2018**
 - Decreased \$(1.06) per share, or -5.4%, from \$19.69 per share as of Dec 31, 2017
 - Excludes \$550 MM, or \$1.41 per share, of goodwill and other intangible assets as of Mar 31, 2018
- **\$0.54 in Dividends Declared per Share**
- **-2.6% Economic Return on Tangible Common Equity for the Quarter**
 - Comprised of \$0.54 dividend per share and \$(1.06) decrease 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 (loss) is based on our net long (short) TBA position and is recognized in gain (loss) on derivative instruments and other securities, net

- **\$69.3 B Investment Portfolio as of Mar 31, 2018**
 - \$54.8 B Agency MBS
 - \$13.6 B TBA mortgage position
 - \$0.9 B credit risk transfer and non-Agency securities
- **8.2x Tangible Net Book Value “At Risk” Leverage as of Mar 31, 2018 ¹**
 - 8.2x average tangible net book value “at risk” leverage for the quarter
- **8.6% Portfolio CPR for the Quarter**
 - 7.6% average projected portfolio life CPR as of Mar 31, 2018
- **1.26% Annualized Net Interest Margin and TBA Dollar Roll Income for the Quarter, Excluding Estimated “Catch-Up” Premium Amortization Benefit ²**
 - Excludes 12 bps of “catch-up” premium amortization benefit due to change in projected CPR estimates
 - Decreased from 1.36% for the prior quarter, excluding -2 bps of “catch-up” premium amortization cost

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

2. Net interest margin 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

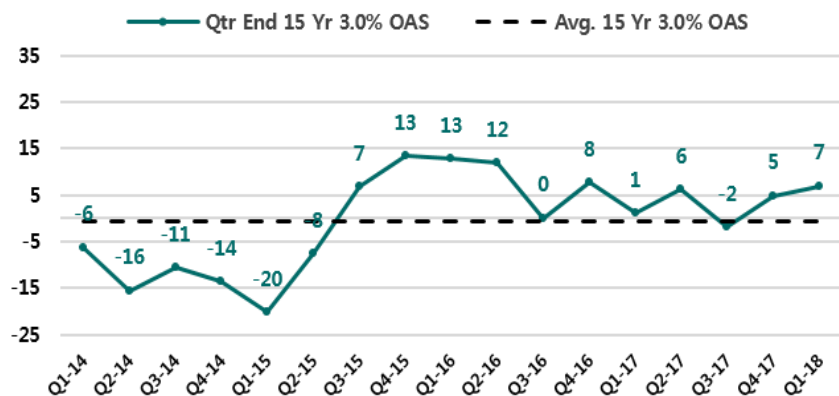
Security	3/31/17	6/30/17	9/30/17	12/31/17	3/31/18	Q1 2018	
						Δ Rate % / Price ¹	
Treasury Rates							
2 Yr UST	1.26%	1.38%	1.48%	1.89%	2.27%	0.38%	-0.74
3 Yr UST	1.50%	1.55%	1.61%	1.98%	2.39%	0.41%	-1.16
5 Yr UST	1.93%	1.89%	1.93%	2.21%	2.57%	0.36%	-1.66
10 Yr UST	2.39%	2.30%	2.33%	2.41%	2.74%	0.33%	-2.85
30 Yr UST	3.02%	2.84%	2.86%	2.74%	2.97%	0.23%	-4.53

15 Year Fixed Rate Mortgages							
2.50%	100.03	100.53	100.69	99.88	97.98		-1.90
3.00%	102.51	102.64	102.75	101.88	99.88		-2.00
3.50%	104.06	104.06	104.14	103.23	101.94		-1.29
4.00%	103.29	103.44	103.13	102.72	102.63		-0.09

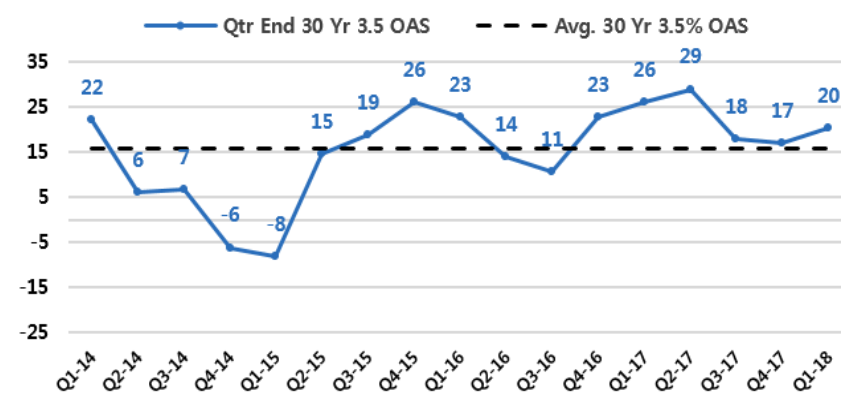
Security	3/31/17	6/30/17	9/30/17	12/31/17	3/31/18	Q1 2018	
						Δ Rate % / Price ¹	
Swap Rates							
2 Yr Swap	1.62%	1.61%	1.73%	2.08%	2.58%	0.50%	-0.98
3 Yr Swap	1.81%	1.74%	1.84%	2.17%	2.65%	0.48%	-1.41
5 Yr Swap	2.06%	1.95%	2.00%	2.24%	2.71%	0.47%	-2.18
10 Yr Swap	2.39%	2.27%	2.28%	2.40%	2.78%	0.38%	-3.40
30 Yr Swap	2.65%	2.53%	2.52%	2.53%	2.82%	0.29%	-6.14

30 Year Fixed Rate Mortgages							
3.00%	99.15	99.88	100.33	100.02	97.52		-2.50
3.50%	102.29	102.70	103.09	102.70	100.20		-2.50
4.00%	104.90	105.12	105.27	104.59	102.61		-1.98
4.50%	107.24	107.27	107.33	106.40	104.70		-1.70

15 Year 3.0% MBS OAS ²



30 Year 3.5% MBS OAS ²

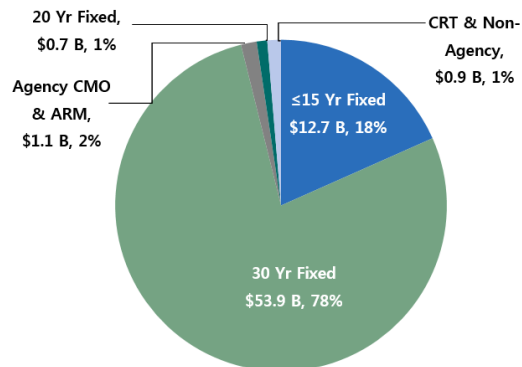


1. Note: Price information is provided for illustrative purposes only. Pricing information is as of 3:00 PM on such date, is for generic instruments and is not meant to be reflective of securities held by AGNC. Prices can vary materially depending on the source. Source: Barclays; Change in Treasury and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

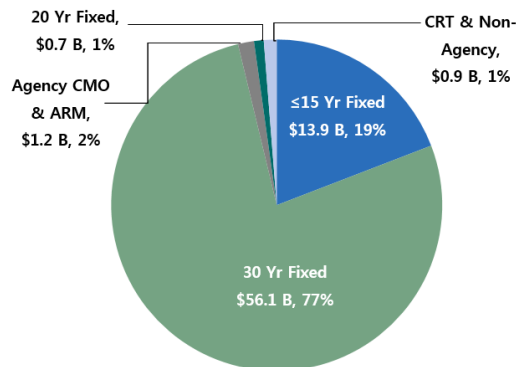
2. Source: Unweighted average of Citi, JP Morgan, Credit Suisse and Barclays LIBOR OAS close valuations

Q1 2018 Portfolio Update

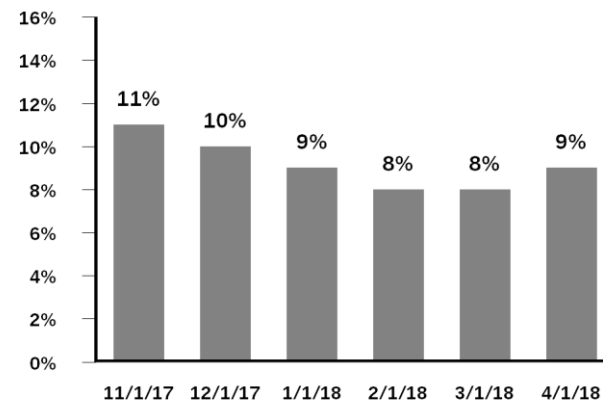
As of 3/31/18
\$69.3 B Portfolio
Including Net TBA Position



As of 12/31/17
\$72.8 B Portfolio
Including Net TBA Position



AGNC Actual CPR ¹



<=15 Year - \$12.7 B Portfolio (18% of Total) as of 3/31/18

Coupon	FMV	%	% LB / HARP ^{2,3}	WALA ⁴	Apr '18 1 M Actual CPR ¹	Life Forecast CPR ⁵
2.5%	\$1,571	12%	58%	66	11%	9%
3.0%	3,133	25%	74%	51	10%	9%
3.5%	1,881	15%	91%	67	14%	10%
≥ 4.0%	2,204	17%	90%	88	15%	11%
≤ 15 Year MBS	8,789	69%	79%	66	12%	10%
Net TBA	3,926	31%	N/A	N/A	N/A	N/A
Total ≤ 15 Year	\$12,715	100%	N/A	N/A	N/A	N/A

30 Year - \$53.9 B Portfolio (78% of Total) as of 3/31/18

Coupon	FMV	%	% LB / HARP ^{2,3}	WALA ⁴	Apr '18 1 M Actual CPR ¹	Life Forecast CPR ⁵
3.0%	\$3,132	6%	3%	46	7%	6%
3.5%	21,122	39%	67%	37	8%	6%
4.0%	18,421	34%	74%	32	9%	7%
≥ 4.5%	1,521	3%	66%	74	12%	9%
30 Year MBS	44,196	82%	65%	37	9%	7%
Net TBA	9,685	18%	N/A	N/A	N/A	N/A
Total 30 Year	\$53,881	100%	N/A	N/A	N/A	N/A

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. Lower balance ("LB") loans defined as pools backed by original loan balances of up to \$150K. Wtd/avg original loan balance of \$98 K for ≤15-year and \$109 K for 30-year securities as of Mar 31, 2018
3. HARP defined as pools backed by 100% refinance loans with original LTVs ≥ 80%, issued between May 2009 and Sept 2017. Wtd/avg original LTV of 114% for ≤ 15-year and 136% for 30-year securities as of Mar 31, 2018
4. WALA represents the weighted average loan age presented in months, excluding net TBA position
5. Average projected life CPR as of Mar 31, 2018, excludes net TBA position

Financing Summary

AGNC has significant access to attractive funding across a wide range of counterparties and financing terms

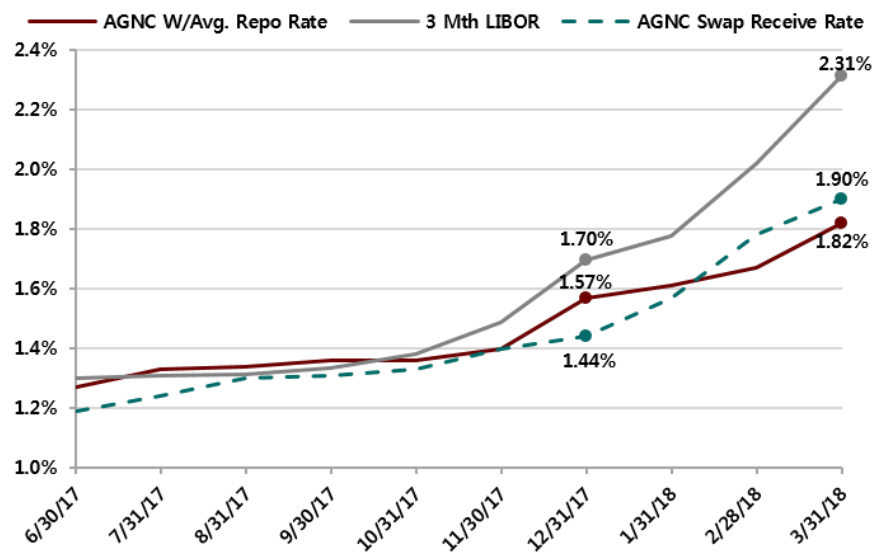
- **Weighted average Agency repo cost totaled 1.82% as of Mar 31, 2018, compared to 1.57% as of Dec 31, 2017**
- **\$18.8 B of Agency repo funded through captive broker-dealer subsidiary, Bethesda Securities, as of Mar 31, 2018, compared to \$16.6 B as of Dec 31, 2017**
- **Weighted average Agency repo days to maturity totaled 109 days as of Mar 31, 2018, compared to 116 days as of Dec 31, 2017**
- **46 repo counterparties as of Mar 31, 2018**

Agency Repurchase Agreements				
As of Mar 31, 2018				
Maturity	%	Amount (\$ MM)	Interest Rate	Avg. Days to Maturity
≤ 3 Mths	77%	\$37,820	1.76%	29
> 3 to ≤ 6	7%	3,381	1.76%	134
> 6 to ≤ 12	9%	4,163	1.97%	288
> 1 to ≤ 3 Yrs	7%	3,592	2.28%	722
Total / Wtd Avg	100%	\$48,956	1.82%	109
As of Dec 31, 2017				
Total / Wtd Avg	100%	\$50,296	1.57%	116

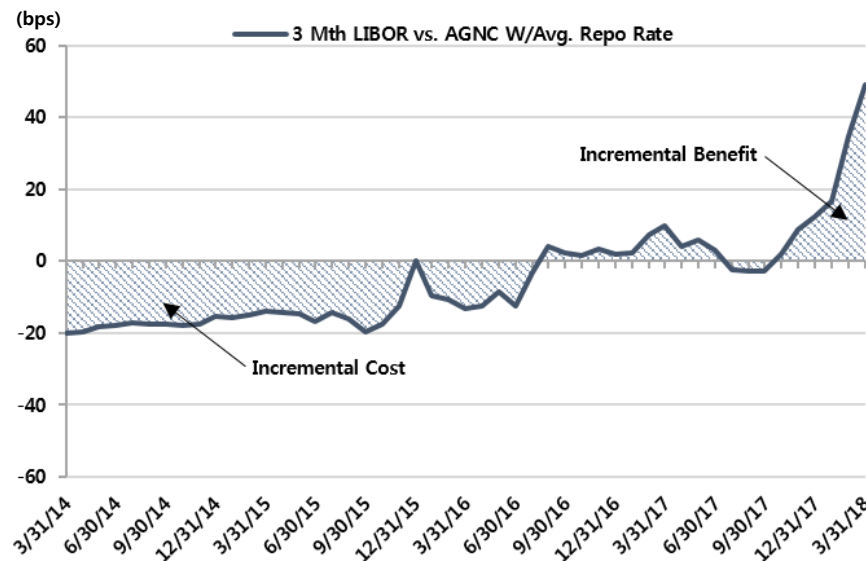
Favorable Funding Dynamic Increased in Q1 2018

- Repo funding levels relative to 3 month LIBOR improved substantially late in the first quarter
- As the receive-floating legs of our swaps reset over time, our aggregate cost of funds will benefit from the favorable spread differential between our repo rate and 3 month LIBOR

Repo Rate vs. 3 Month LIBOR



Spread Differential



Hedging Summary

- **Our hedge portfolio totaled \$65.0 B and covered 103% of our funding liabilities (Agency repo, other debt and net TBA position) as of Mar 31, 2018, compared to 97% as of Dec 31, 2017**
- **Interest Rate Swaps**
 - \$45.3 B pay fixed swaps as of Mar 31, 2018
 - Increase of \$1.6 B from Dec 31, 2017
 - Covered 72% of funding liabilities as of Mar 31, 2018
- **Payer Swaptions**
 - \$6.8 B payer swaptions
 - Increase of \$0.1 B from Dec 31, 2017
- **U.S. Treasury Securities and Futures**
 - \$13.0 B Treasury position
 - Decrease of \$1.1 B from Dec 31, 2017

Hedge Portfolio Summary				
As of Mar 31, 2018				
\$ in MM	Notional/ Market Value 3/31/2018	Duration 3/31/2018 ¹	Net Hedge Gains/ (Losses) Q1 2018 ²	Net Hedge Gains/ (Losses) Per Share Q1 2018
Interest Rate Swaps	\$45,250	(3.9)	\$672	\$1.72
Payer Swaptions	6,750	(4.1)	91	0.23
U.S. Treasuries, Net Short	12,963	(6.4)	274	0.70
Total / Q1 2018 ³	\$64,963	(4.2)	\$1,037	\$2.65
As of Dec 31, 2017 / Q4 2017				
Total / Q4 2017 ³	\$64,368	(3.9)	\$323	\$0.83

Interest Rate Swaps				
As of Mar 31, 2018				
Years to Maturity	Notional Amount (\$ MM) ⁴	Pay Rate ⁵	Receive Rate	Average Maturity (Years)
≤ 3 Years	\$21,075	1.51%	1.90%	1.5
> 3 to ≤ 5	8,375	1.84%	1.87%	4.1
> 5 to ≤ 7	5,075	2.16%	1.96%	6
> 7 to ≤ 10	7,550	2.17%	1.88%	8.9
> 10	3,175	2.49%	1.91%	12.9
Total / Wtd Avg	\$45,250	1.82%	1.90%	4.5
As of Dec 31, 2017				
Total / Wtd Avg	\$43,700	1.74%	1.44%	4.5

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 \$2.5 B and \$4.6 B as of Mar 31, 2018 and Dec 31, 2017, respectively, with an average forward start date of 0.4 and 0.3 years, respectively

5. Weighted average pay rate includes forward starting swaps. Excluding forward starting swaps, the weighted average pay rate was 1.77% and 1.68% as of Mar 31, 2018 and Dec 31, 2017, respectively

We manage our exposure to interest rate fluctuations over a wide range of scenarios through disciplined risk management

Duration Gap Sensitivity ^{1,2}			
As of Mar 31, 2018			
	Rates - 100 bps	Duration 3/31/2018	Rates + 100 bps
Mortgage Assets: ³			
30-Year MBS	3.0	5.2	6.4
15-Year MBS and Other Securities	2.9	3.5	3.8
Total Mortgage Assets	3.0	4.8	5.8
Liabilities and Hedges	(4.1)	(4.3)	(4.5)
Net Duration Gap	(1.1)	0.5	1.3
As of Dec 31, 2017			
Net Duration Gap	(1.8)	0.1	1.2

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

Balance Sheets

(\$ in millions, except per share data, unaudited except 12/31/17)	3/31/18	12/31/17	9/30/17	6/30/17	3/31/17
Agency Securities, at Fair Value	\$54,141	\$55,506	\$51,638	\$45,226	\$43,856
Agency Securities Transferred to Consolidated Variable Interest Entities, at Fair Value	621	662	700	737	777
Credit Risk Transfer Securities, at Fair Value	884	876	717	572	383
Non-Agency Securities, at Fair Value	36	36	36	31	31
U.S. Treasury Securities, at Fair Value	224	—	—	—	—
REIT Equity Securities, at Fair Value	42	29	4	4	—
Cash and Cash Equivalents	972	1,046	1,098	1,122	1,073
Restricted Cash	386	317	294	261	219
Derivative Assets, at Fair Value	410	205	183	214	205
Receivable for Investment Securities Sold	—	—	521	353	688
Receivable under Reverse Repurchase Agreements	10,770	10,961	9,226	7,489	8,908
Goodwill and Other Intangible Assets, Net	550	551	552	553	554
Other Assets	185	187	521	149	144
Total Assets	\$69,221	\$70,376	\$65,490	\$56,711	\$56,838
Repurchase Agreements	\$48,956	\$50,296	\$45,505	\$39,058	\$39,375
Debt of Consolidated Variable Interest Entities, at Fair Value	336	357	380	405	434
Payable for Investment Securities Purchased	457	95	1,373	2,005	693
Derivative Liabilities, at Fair Value	32	28	62	73	69
Dividends Payable	80	80	77	71	66
Obligation to Return Securities Borrowed under Reverse Repurchase Agreements, at Fair Value	10,352	10,467	9,119	7,221	8,792
Accounts Payable and Other Liabilities	670	299	183	133	117
Total Liabilities	60,883	61,622	56,699	48,966	49,546
Preferred Equity at Aggregate Liquidation Preference	500	500	500	348	348
Common Equity	7,838	8,254	8,291	7,397	6,944
Total Stockholders' Equity	8,338	8,754	8,791	7,745	7,292
Total Liabilities and Stockholders' Equity	\$69,221	\$70,376	\$65,490	\$56,711	\$56,838
Other Supplemental Data:					
Net Long TBA, at Fair Value ¹	\$13,611	\$15,742	\$19,409	\$17,271	\$14,447
Tangible Net Book Value "At Risk" Leverage ²	8.2x	8.1x	8.0x	8.1x	8.0x
Tangible Net Book Value Per Common Share ³	\$18.63	\$19.69	\$19.78	\$19.25	\$19.31

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 and other intangible assets and the fair value of investments in REIT equity securities.
3. Calculated as stockholders' equity, less the Preferred Stock liquidation preference and goodwill and other intangible assets, divided by total common shares outstanding

Income Statements

(\$ in millions, except per share data) (Unaudited)	Q1 2018	Q4 2017	Q3 2017	Q2 2017	Q1 2017
Interest Income	\$431	\$386	\$318	\$293	\$296
Interest Expense	(206)	(174)	(140)	(112)	(98)
Net Interest Income	225	212	178	181	198
Realized Gain (Loss) on Sale of Investment Securities, Net	(2)	(16)	22	15	(84)
Unrealized Gain (Loss) on Investment Securities Measured at Fair Value through Net Income, Net	(523)	(65)	(31)	9	16
Gain (Loss) on Derivative Instruments and Other Securities, Net	738	271	131	(169)	(40)
Management Fee Income	4	4	4	4	4
Total Other Gain (Loss), Net	217	194	126	(141)	(104)
Compensation and Benefits	(10)	(12)	(10)	(10)	(10)
Other Operating Expenses	(8)	(9)	(8)	(6)	(8)
Total Operating Expenses	(18)	(21)	(18)	(16)	(18)
Net Income	424	385	286	24	76
Dividend on Preferred Stock	(9)	(9)	(9)	(7)	(7)
Issuance Costs of Redeemed Preferred Stock	—	—	(6)	—	—
Net Income Available to Common Stockholders	\$415	\$376	\$271	\$17	\$69
Net Income	\$424	\$385	\$286	\$24	\$76
Unrealized Gain (Loss) on Available-for-Sale Securities Measured at Fair Value through Other Comprehensive Income (Loss), Net	(621)	(205)	90	121	46
Comprehensive Income (Loss)	(197)	180	376	145	122
Dividend on Preferred Stock	(9)	(9)	(9)	(7)	(7)
Issuance Costs of Redeemed Preferred Stock	—	—	(6)	—	—
Comprehensive Income (Loss) Available (Attributable) to Common Stockholders	\$(206)	\$171	\$361	\$138	\$115
Weighted Average Common Shares Outstanding – Basic	391.3	391.3	364.7	346.4	331.0
Weighted Average Common Shares Outstanding – Diluted	391.5	391.5	364.9	346.5	331.1
Net Income per Common Share – Basic and Diluted	\$1.06	\$0.96	\$0.74	\$0.05	\$0.21
Comprehensive Income (Loss) per Common Share – Basic and Diluted	\$(0.53)	\$0.44	\$0.99	\$0.40	\$0.35
Dividends Declared per Common Share	\$0.54	\$0.54	\$0.54	\$0.54	\$0.54

Note: During Q1 2018, AGNC adopted new accounting guidance on revenue recognition, which resulted in reclassification of expense reimbursements from MTGE Investment Corp. from an operating expense offset to management fee income. Net income was not impacted. Prior periods have been revised accordingly, as applicable.

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



(\$ in millions, except per share data) (Unaudited)	Q1 2018	Q4 2017	Q3 2017	Q2 2017	Q1 2017
GAAP Net Interest Income:					
Interest Income	\$431	\$386	\$318	\$293	\$296
Interest Expense	(206)	(174)	(140)	(112)	(98)
GAAP Net Interest Income	225	212	178	181	198
TBA Dollar Roll Income, Net ¹	62	78	87	93	71
Interest Rate Swap Periodic Costs ¹	(9)	(21)	(26)	(35)	(45)
Dividend Income from REIT Equity Securities ¹	1	1	—	—	—
Adjusted Net Interest and Dollar Roll Income	279	270	239	239	224
Management Fee Income	4	4	4	4	4
Operating Expenses	(18)	(21)	(18)	(16)	(18)
Total Operating Income (Expense), Net	(14)	(17)	(14)	(12)	(14)
Net Spread and Dollar Roll Income	265	253	225	227	210
Dividend on Preferred Stock	(9)	(9)	(9)	(7)	(7)
Net Spread and Dollar Roll Income Available to Common Stockholders	256	244	216	220	203
Estimated "Catch Up" Premium Amortization Cost (Benefit) due to Change in CPR Forecast ²	(21)	3	12	13	9
Net Spread and Dollar Roll Income, Excluding "Catch Up" Amortization, Available to Common Stockholders	\$235	\$247	\$228	\$233	\$212
Weighted Average Common Shares Outstanding – Basic	391.3	391.3	364.7	346.4	331.0
Weighted Average Common Shares Outstanding – Diluted	391.5	391.5	364.9	346.5	331.1
Net Spread and Dollar Roll Income per Common Share – Basic	\$0.65	\$0.62	\$0.59	\$0.64	\$0.61
Net Spread and Dollar Roll Income per Common Share – Diluted	\$0.65	\$0.62	\$0.59	\$0.63	\$0.61
Net Spread and Dollar Roll Income, Excluding "Catch Up" Amortization, per Common Share – Basic	\$0.60	\$0.63	\$0.63	\$0.67	\$0.64
Net Spread and Dollar Roll Income, Excluding "Catch Up" Amortization, per Common Share – Diluted	\$0.60	\$0.63	\$0.62	\$0.67	\$0.64

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 Margin Components by Funding Source

\$ in millions (Unaudited)	Q1 2018	Q4 2017	Q3 2017	Q2 2017	Q1 2017
Adjusted Net Interest and Dollar Roll Income, Excluding "Catch-Up" Amortization:					
Economic Interest Income:					
Investment Securities - GAAP Interest Income	\$431	\$386	\$318	\$293	\$296
Estimated "Catch-Up" Premium Amortization Cost (Benefit) due to Change in CPR Forecast ¹	(21)	3	12	13	9
TBA Dollar Roll Income - Implied Interest Income ^{2,3}	120	134	139	130	90
Economic Interest Income, Excluding "Catch-Up" Amortization	\$530	\$523	\$469	\$436	\$395
Economic Interest Expense:					
Repurchase Agreements and Other Debt - GAAP Interest Expense	\$(206)	\$(174)	\$(140)	\$(112)	\$(98)
TBA Dollar Roll Income - Implied Interest Expense ^{2,3}	(58)	(56)	(52)	(37)	(19)
Interest Rate Swap Periodic Costs ²	(9)	(21)	(26)	(35)	(45)
Economic Interest Expense	\$(273)	\$(251)	\$(218)	\$(184)	\$(162)
Dividend Income from REIT Equity Securities ²	1	1	—	—	—
Adjusted Net Interest and Dollar Roll Income, Excluding "Catch-Up" Amortization	\$258	\$273	\$251	\$252	\$233
Net Interest Margin, Excluding "Catch-Up" Amortization:					
Average Asset Yield:					
Investment Securities - Average Asset Yield	3.05%	2.84%	2.72%	2.66%	2.68%
Estimated "Catch-Up" Premium Amortization Cost (Benefit) due to Change in CPR Forecast	(0.15)%	0.02%	0.10%	0.12%	0.08%
Investment Securities Average Asset Yield, Excluding "Catch-Up" Amortization	2.90%	2.86%	2.82%	2.78%	2.76%
TBA Securities - Average Implied Asset Yield	3.08%	2.93%	2.99%	3.08%	2.69%
Average Asset Yield, Excluding "Catch-Up" Amortization ⁴	2.94%	2.88%	2.87%	2.86%	2.74%
Average Total Cost of Funds:					
Repurchase Agreements and Other Debt - Average Funding Cost	1.69%	1.43%	1.34%	1.15%	1.01%
TBA Securities - Average Implied Funding Cost	1.49%	1.23%	1.12%	0.88%	0.58%
Average Cost of Funds, Before Interest Rate Swap Periodic Costs ⁴	1.62%	1.39%	1.28%	1.07%	0.89%
Interest Rate Swap Periodic Costs ⁵	0.06%	0.13%	0.18%	0.24%	0.34%
Average Total Cost of Funds	1.68%	1.52%	1.46%	1.31%	1.23%
Net Interest Margin, Excluding "Catch-Up" Amortization	1.26%	1.36%	1.41%	1.55%	1.51%

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 Barclays 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 costs measured as a percent of total mortgage funding (Agency repurchase agreements, other debt and TBA securities)

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



(\$ in millions, except per share data) (Unaudited)	Q1 2018	Q4 2017	Q3 2017	Q2 2017	Q1 2017
Net Income	\$424	\$385	\$286	\$24	\$76
Book to Tax Differences:					
Premium Amortization, Net	(23)	(7)	(3)	4	(3)
Realized Gain / Loss, Net	(652)	(262)	(112)	99	(379)
Net Capital Loss / (Utilization of Net Capital Loss Carryforward) ¹	245	20	(159)	(232)	276
Unrealized Gain / Loss, Net	108	(55)	41	160	77
Other	(13)	1	(2)	(2)	(10)
Total Book to Tax Differences	(335)	(303)	(235)	29	(39)
Estimated REIT Taxable Income	89	82	51	53	37
Dividend on Preferred Stock	(9)	(9)	(9)	(7)	(7)
Estimated REIT Taxable Income, net of Preferred Stock Dividend	\$80	\$73	\$42	\$46	\$30
Weighted Average Common Shares Outstanding – Basic	391.3	391.3	364.7	346.4	331.0
Weighted Average Common Shares Outstanding – Diluted	391.5	391.5	364.9	346.5	331.1
Estimated REIT Taxable Income per Common Share – Basic and Diluted	\$0.20	\$0.19	\$0.12	\$0.13	\$0.09
Beginning Cumulative Non-Deductible Net Capital Loss					
	\$357	\$337	\$496	\$728	\$452
Net Capital Loss / (Utilization of Net Capital Loss Carryforward)	245	20	(159)	(232)	276
Ending Cumulative Non-Deductible Net Capital Loss	\$602	\$357	\$337	\$496	\$728
Ending Cumulative Non-Deductible Net Capital Loss per Common Share	\$1.54	\$0.91	\$0.86	\$1.39	\$2.20

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

1. 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 March 31, 2018, \$0.4 B and \$0.2 B of net capital losses were available through Dec 2018 and Dec 2023, respectively

Net Book Value Roll Forward

(In millions, except per share data) (Unaudited)	Q1 2018		
	Balance	Common Shares Outstanding	Net Book Value per Common Share
Beginning Net Common Equity ¹	\$8,254	391.3	\$21.09
Net Income	424		
Other Comprehensive Loss	(621)		
Common Stock Dividend	(211)		
Preferred Stock Dividend	(9)		
Stock-based Compensation	1		
Ending Net Common Equity	\$7,838	391.3	\$20.03
Goodwill and Other Intangible Assets, Net	(550)		
Ending Tangible Net Common Equity	\$7,288	391.3	\$18.63
Series B Preferred Stock Liquidation Preference	175		
Series C Preferred Stock Liquidation Preference	325		
Ending Tangible Total Stockholders' Equity	\$7,788		
Ending Total Stockholders' Equity	\$8,338		

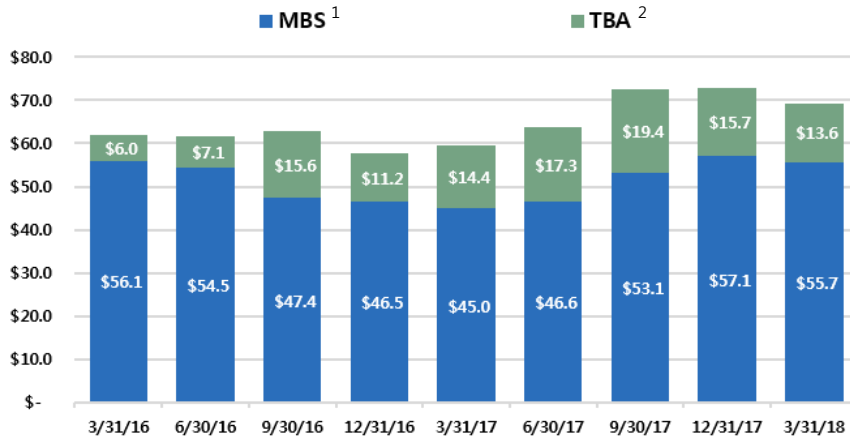
Amounts may not total due to rounding

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

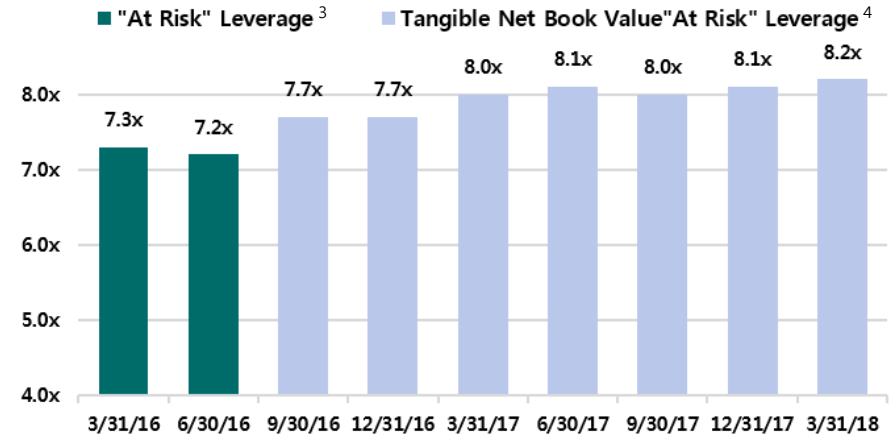
Supplemental Slides

AGNC Historical Overview

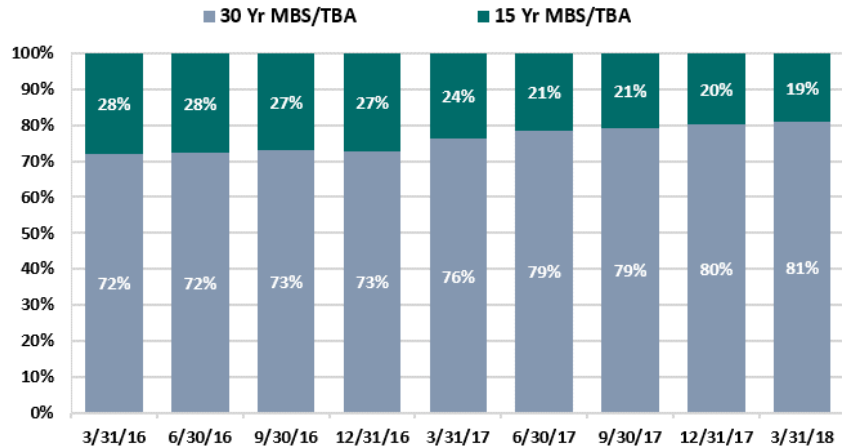
Asset Composition (\$ B)



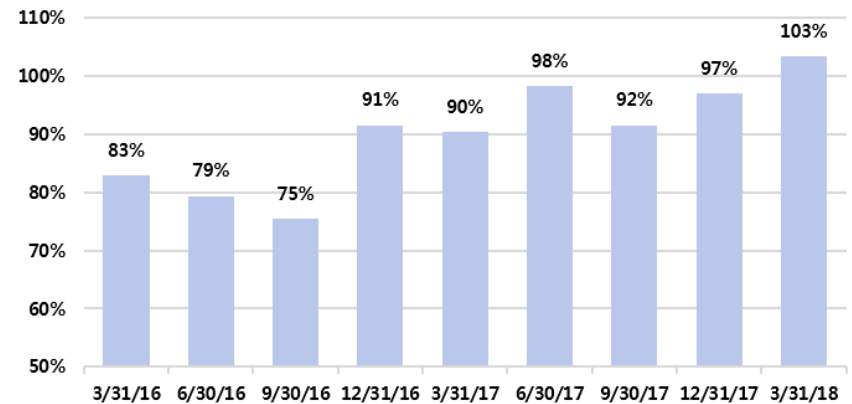
Leverage



Fixed Rate Securities⁵



Hedge Ratio⁶



1. MBS includes CRT securities

2. TBA position is net of short TBAs

3. "At risk" leverage calculated as sum of Agency MBS repurchase agreements, other debt, net payable/receivable for investment securities not yet settled and TBA dollar roll position (at cost) 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

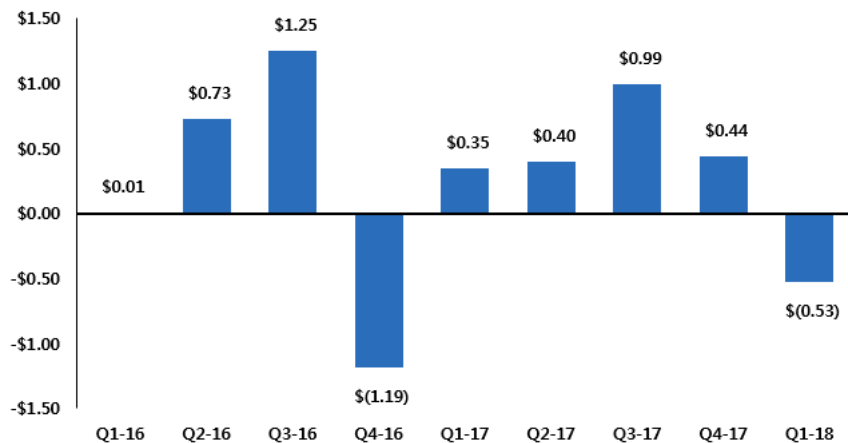
4. Tangible net book value "at risk" leverage includes the components of "at risk" leverage with stockholders equity adjusted to exclude goodwill and other intangible assets, net

5. Chart excludes 20 Yr fixed rate MBS

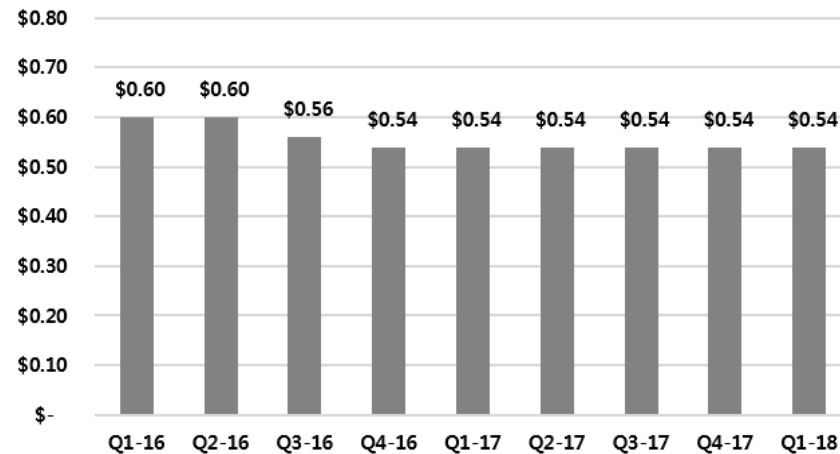
6. Measured as the ratio of interest rate swaps, swaptions and net U.S. Treasury position over repo agreements, other debt and net TBA position, at cost

AGNC Historical Overview

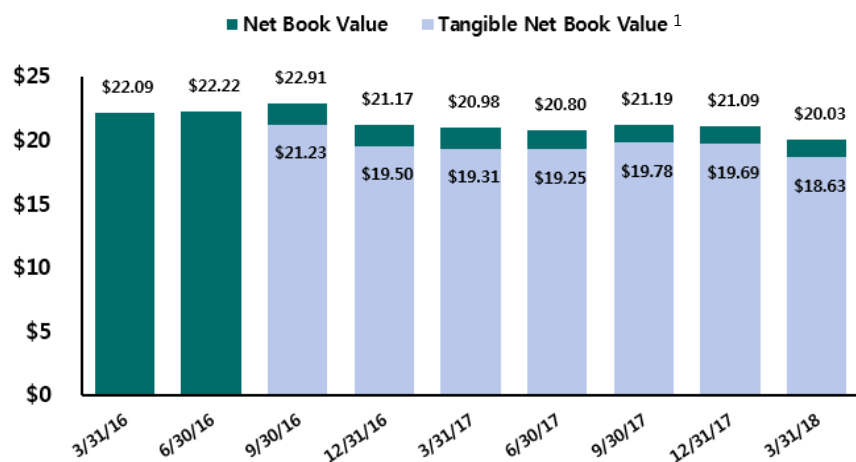
Comprehensive Income (Loss) per Share



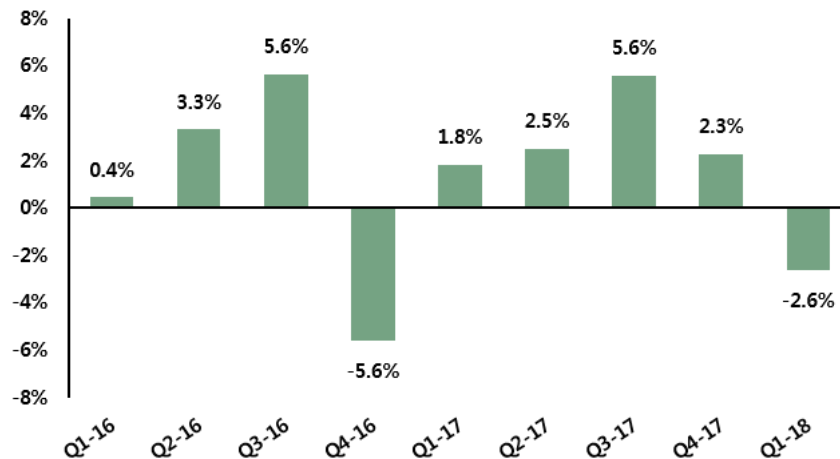
Dividend per Share



Net Book Value per Share



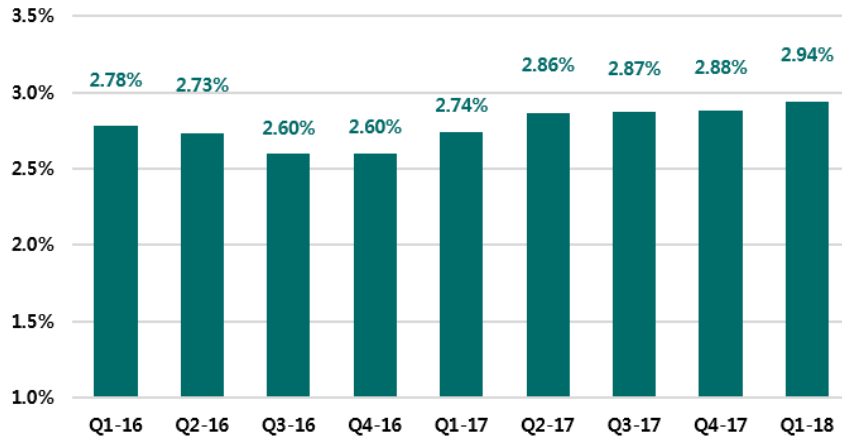
Economic Return²



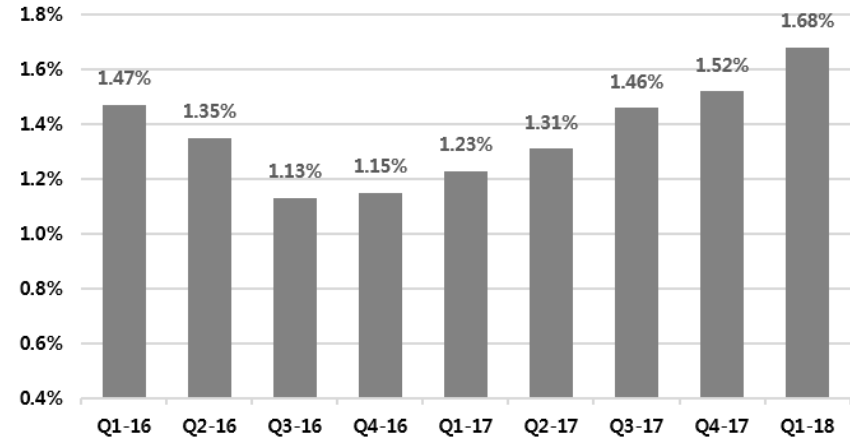
1. Tangible net book value per common share excludes goodwill and other intangible assets, net

2. Economic return represents the change in NAV per share plus dividends declared. Starting Q4 2016 economic return represents the change in tangible NAV per share plus dividends declared.

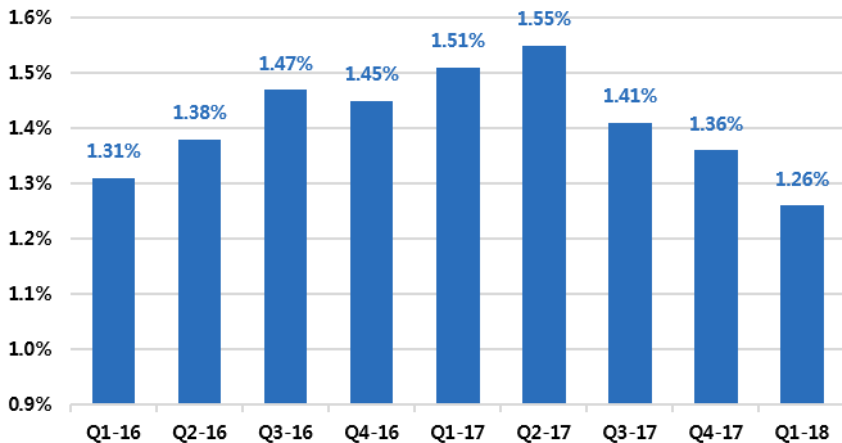
Average Asset Yield ¹



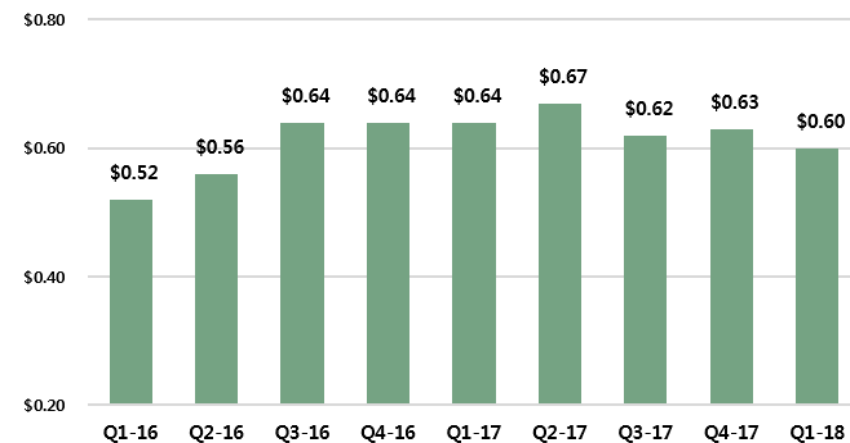
Average Cost of Funds ²



Net Interest Margin ^{1,2}



Net Spread and TBA Dollar Roll Income per Common Share, Excluding "Catch-Up" Premium Amortization ³



1. Asset yields include investment and TBA securities on a weighted average basis. Amounts exclude "catch-up" premium amortization

2. Cost of funds include repo and implied TBA funding costs on a weighted average basis and periodic swap costs. TBA implied fund cost is derived from AGNC's executed roll levels and TBA delivery assumptions sourced from Barclays 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 Mar 31, 2018

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%	\$1,991	\$1,965	44%	8%	101.2%	2.98%	66	11%	3.6
3.0%	5,895	5,901	43%	4%	102.1%	3.50%	51	10%	3.9
3.5%	2,592	2,645	65%	1%	103.7%	3.98%	67	14%	3.4
4.0%	1,928	1,993	85%	6%	103.8%	4.40%	87	14%	2.6
4.5%	200	208	93%	6%	104.3%	4.87%	90	17%	2.6
≥ 5.0%	3	3	100%	—%	102.7%	6.61%	126	39%	1.8
Subtotal ≤15 YR	\$12,609	\$12,715	55%	5%	102.7%	3.75%	66	12%	3.5
20 YR Mortgage Securities									
≤ 3.0%	\$188	\$187	21%	10%	99.4%	3.55%	58	6%	4.4
3.5%	352	359	69%	12%	102.1%	4.05%	61	10%	3.7
4.0%	104	108	70%	9%	103.9%	4.47%	34	7%	3.4
4.5%	52	55	99%	—%	106.5%	4.90%	88	8%	2.6
≥ 5.0%	2	2	—%	—%	106.0%	5.95%	119	2%	1.8
Subtotal 20 YR	\$698	\$711	59%	10%	102.0%	4.06%	58	8%	3.7
30 YR Mortgage Securities									
3.0%	\$7,015	\$6,858	—%	2%	100.2%	3.58%	46	7%	6.3
3.5%	24,235	24,398	67%	2%	104.5%	4.04%	37	8%	5.4
4.0%	20,473	21,140	62%	8%	106.6%	4.47%	32	9%	4.7
4.5%	1,218	1,289	66%	6%	107.7%	4.97%	66	12%	4.2
5.0%	93	100	36%	30%	106.9%	5.45%	119	15%	4.1
≥ 5.5%	88	96	41%	18%	110.4%	6.18%	138	15%	3.4
Subtotal 30 YR	\$53,122	\$53,881	56%	5%	105.1%	4.22%	37	9%	5.2
Total Fixed	\$66,429	\$67,307	56%	5%	104.7%	4.14%	42	9%	4.8

1. The wtd/avg coupon on fixed rate securities held as of Mar 31, 2018 was 3.63% excluding the net long TBA mortgage position and 3.57% including the net long TBA position

2. Excluding net TBA position, total fixed-rate MBS as of Mar 31, 2018 had a par value of \$52,794, market value of \$53,695 and avg duration of 4.8 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%, issued between May 2009 and Sept 2017 and loans 100% originated in N.Y. and Puerto Rico

4. Other specified pools include pools backed by orig. loan balances of > \$150K and ≤ \$200K; HARP securities with 100% refi. loans and orig. LTVs of ≥ 80 and <100%, issued between May 2009 and Sept 2017; low FICO loans with a max orig. credit score of 700; 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 Apr 2018 for Agency securities held as of Mar 31, 2018

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

- **Our repo funding is well diversified by counterparty and geography**
 - Less than 5% of our tangible stockholders' equity is at risk with any one counterparty
 - Less than 15% of our tangible stockholders' equity is at risk with top 5 counterparties

Counterparty Region	Number of Counterparties	% of Agency Repo Funding	Counterparty Exposure as a % of Tangible Equity ¹
North America:			
FICC	1	35%	5%
Other	26	44%	17%
North America	27	79%	22%
Asia	5	8%	3%
Europe	14	13%	5%
Total	46	100%	30%

Note: All figures as of Mar 31, 2018

1. Counterparty exposure includes collateral pledged under Agency repo agreements. Amounts do not include collateral pledged or received under derivative agreements, prime brokerage agreements, reverse repurchase agreements or other debt

Other Hedge and Derivative Instruments

U.S. Treasury Position

- \$10.1 B short U.S. Treasury securities
- \$2.8 B short U.S. Treasury futures

Payer Swaptions

- \$6.8 B notional payer swaptions as of Mar 31, 2018
- 0.8 year average remaining option term, 8.2 years average underlying swap term

U.S. Treasury Position Net Long / (Short) As of Mar 31, 2018 (\$ MM)		
Maturity	Face Amount	Market Value
5 Year	\$(680)	\$(782)
7 Year	(6,451)	(6,235)
10 Year	(5,822)	(5,946)
Total	\$(12,953)	\$(12,963)
As of Dec 31, 2017		
Total	\$(13,609)	\$(14,018)

Payer Swaptions As of Mar 31, 2018 (\$ MM)					
Current Option Expiration Date ¹	Notional Amount	Cost	Market Value	Pay Rate	Swap Term (Years)
≤ 1 Year	\$5,050	\$110	\$104	2.74%	8.0
> 1 Year ≤ 2 Years	1,200	24	29	2.83%	8.1
> 2 Year ≤ 3 Years	500	18	20	2.78%	10.0
Total	\$6,750	\$152	\$153	2.76%	8.2
As of Dec 31, 2017					
Total / Wtd Avg	\$6,650	\$159	\$75	2.72%	8.9

1. As of Mar 31, 2018, ≤ 1 year payer swaption notional amount includes \$700 million of Bermudan swaptions where the options may be exercised on predetermined dates up to their final exercise date, which is six months prior to the underlying swaps' maturity date

NAV Sensitivity to Rates and MBS Spreads

Changes in interest rates and MBS spreads relative to U.S. Treasury securities and interest rate swaps 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, incorporates the dual effects of both duration and convexity and assumes 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 spread sensitivity is based on model predictions and assumes a spread duration of 5.7 years, which is based on interest rates and MBS prices as of Mar 31, 2018

Interest Rate Sensitivity ¹ As of Mar 31, 2018 (based on instantaneous parallel shift in interest rates)		
Interest Rate Shock (bps)	Estimated Change in Portfolio Market Value ²	Estimated Change as a % of Tangible Equity ³
-100	(0.1)%	(1.4)%
-50	0.1%	1.2%
+50	(0.4)%	(3.9)%
+100	(1.0)%	(9.8)%

MBS Spread Sensitivity (“Basis Risk”) ¹ As of Mar 31, 2018		
MBS Spread Shock (bps)	Estimated Change in Portfolio Market Value ²	Estimated Change as a % of Tangible Equity ³
-25	1.4%	13.4%
-10	0.6%	5.4%
+10	(0.6)%	(5.4)%
+25	(1.4)%	(13.4)%

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 percent of tangible stockholders’ equity incorporates the impact of leverage

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" (both components of "net spread and dollar roll income"), "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 margin."

"Net spread and dollar roll income" is measured as (i) net interest income (GAAP measure) adjusted to include TBA dollar roll income, interest rate swap periodic costs and dividend income from REIT equity securities (referred to as "adjusted net interest and dollar roll income"), plus (ii) management fee income (GAAP measure) and less (iii) total operating expense (GAAP measure). "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. Related amounts available to common stockholders exclude non-recurring issuance costs of redeemed preferred stock.

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 transactions 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, 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 periodic interest rate swap settlement costs 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 issuance costs of redeemed preferred stock reported as reduction to net income available to common stockholders under GAAP is meaningful as they represent non-recurring costs associated capital transactions and are not representative of our ongoing 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.