## A American <br> —Capital <br> $\square$ Agency

## Q2 2012 Stockholder Presentation

## August 3, 2012

## Safe Harbor Statement

## 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 forwardlooking statements are intended to be subject to the safe harbor protection provided by the Reform Act. Actual outcomes and results could differ materially from those forecast due to the impact of many factors beyond the control of American Capital Agency Corp. ("AGNC"). 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 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 our 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

## 1 American <br> $\square$ Capital $\square$ Agency

TYPE / Stock Ticker: Common Stock / AGNC

Exchange:
NASDAQ
IPO DATE:
MAY 2008
IPO Price:
\$20.00 Per Share
Total Dividends Paid Since IPO¹:
\$21.36 Per Share

Net Asset Value²:
\$29.41 Per Share
total Equity Capital²: \$9.0 Billion

## $\Lambda$ American <br> $\square$ Capital <br> Agency

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

Preferred Stock Ticker:
AGNCP
Exchange:
NASDAQ
Issue Date / Maturity Date:
April 2012 / Perpetual
Public Offering Price:
\$25.00 Per Share
Per Annum Dividend Rate: 8.000\% PAYABLE QUARTERLY

Total Dividends Paid Since Offering ${ }^{1}$
\$0.556 Per Share
Shares Outstanding ${ }^{1}$ :
6.9 MILLION

American

## Q2 2012 Highlights

- \$1.58 Comprehensive Income per Common Share, Comprised of:
$\checkmark \$(0.88)$ net loss per common share
$\checkmark \$ 2.46$ other comprehensive income per common share
- \$0.94 Net Spread Income per Common Share ${ }^{(1)}$
$\checkmark \$ 1.05$ per common share, excluding approximately $\$(0.11)$ per common share of "catch-up" premium amortization cost due to change in projected constant prepayment rate ("CPR") estimates
- \$1.62 Estimated Taxable Income per Common Share
- $\$ 1.25$ Dividend Declared per Common Share
- \$1.61 Estimated Undistributed Taxable Income per Common Share as of June 30, $2012{ }^{(2)}$
$\checkmark$ Increased $\$ 0.33$ per common share from Mar 31, 2012
$\checkmark$ Represents an increase of \$108 million from Mar 31, 2012 to $\$ 492$ million as of June 30, 2012
- \$29.41 Net Book Value per Common Share as of June 30, $2012{ }^{(3)}$
$\checkmark$ Increased $\$ 0.35$ per common share from $\$ 29.06$ per common share as of Mar 31, 2012
- 22\% Annualized Economic Return on Common Equity (4)
$\checkmark$ Comprised of $\$ 1.25$ dividend per common share and $\$ 0.35$ increase in net book value per common share

1. Net spread income is a non-GAAP measure that we define as adjusted net interest income, less total operating expenses. Adjusted net interest income is interest income less interest expense (or "GAAP net interest income"), less other periodic swap interest costs reported in other income (loss), net (or \$62 million for Q2). Please also refer to slides 21,22 and 30 for a reconciliation and further discussion of non-GAAP measures not yet declared on the Company's Series A Preferred Stock, divided by total common shares outstanding period over beginning net book value per common share on an annualized basis

## Q2 2012 Other Highlights

- \$78 Billion Investment Portfolio as of June 30, 2012
- 7.6x Leverage as of June 30, $2012{ }^{(1)}$
$\checkmark 7.5 x$ average leverage for the quarter
- 10\% Actual Portfolio CPR for the Quarter (2)
$\checkmark$ 8\% actual portfolio CPR for the month of July $2012{ }^{(3)}$
$\checkmark 12 \%$ average projected portfolio life CPR as of June 30, 2012
- 1.65\% Annualized Net Interest Rate Spread for the Quarter ${ }^{(4)}$
$\checkmark 1.83 \%$ annualized net interest rate spread for the quarter, excluding "catch-up" premium amortization cost due to change in projected CPR estimates
$\checkmark 1.62 \%$ net interest rate spread as of June 30, $2012{ }^{(4)(5)}$
- \$322 Million of Net Equity Proceeds Raised During the Second Quarter
$\checkmark \$ 155$ million of net proceeds raised from an at-the-market common stock offering
$\checkmark \$ 167$ million of net proceeds raised from a preferred stock offering
- \$1.2 Billion of Net Equity Proceeds Raised from a Common Stock Offering During July 2012

1. Leverage calculated as sum of repurchase agreements, net payable/receivable for agency securities not yet settled and other debt divided by total stockholders' equity as of June 30, 2012
2. Actual weighted average monthly annualized CPR published during Apr, May and June 2012 for agency securities held as of the preceding month-end
3. Actual weighted average 1 month annualized CPR published during July 2012 for agency securities held as of June 30, 2012
4. Net interest rate spread calculated as the average asset yield, less adjusted average cost of funds. Adjusted average cost of funds includes the sum of average repo and
5. average net interest rate swap rates. Please also refer to slides 21, 22 and 30 for a reconciliation and further discussion of non-GAAP measures
6. Incorporates the impact of forward starting interest rate swap agreements starting within 90 days of June 30, 2012, net of scheduled expirations

## Market Information




## Consistent Book Value Performance

## Our goal is to generate attractive risk adjusted returns over a wide range of interest rate scenarios through a combination of dividends and book value growth

## - Book value:

$\checkmark$ Increased 13 of the past 14 quarters, despite substantial interest rate and prepayment volatility
$\checkmark$ Increased 71\% since Dec 31, 2008 from $\$ 17.20$ to $\$ 29.41$ per common share

- Since Dec 31, 2008 we have paid \$18.85 in dividends per common share
- Historically, AGNC's book value performance has not been highly correlated with changes in interest rates
$\checkmark$ Our two "weakest" book value quarters (Q3 2010 and Q3 2011) were both characterized by substantial declines in interest rates
$\checkmark$ Hedging is critical to consistent book value performance


Capital
Agency
Note: Historical performance is not an indicator of future results and we would fully expect to have quarters with book value declines going forward. Source: 10 Year UST - Capital IQ

## Asset Selection is Critical To Prepayments

AGNC's portfolio comprised of 69\% HARP or lower loan balance ${ }^{(1)}$ securities as of June 30

- Pools backed by lower loan balance and HARP loans likely to
continue to exhibit favorable

Prepayment Speeds on 2011 FNMA 30yr 4.0\% Coupons ${ }^{(2)}$ prepayment characteristics

- Given current rate levels, prepayments on generic mortgages will likely exceed recent highs
$\checkmark$ However, the speed increase on lower coupon, lower loan balance and HARP securities should be relatively benign
- QE3 could drive prepayments on many sectors of the market to significant new highs


1. HARP securities defined as pools backed by $100 \%$ refinance loans with original LTVs $\geq 80 \%$. Lower loan balance securities defined as pools backed by max original loan balances of up to $\$ 150 \mathrm{~K}$.
2. Weighted average actual 1 month annualized CPR released at the beginning of the month

## Prepayments Drive ROE

Yields, spreads, and ROE are extremely sensitive to prepayments given current market prices and record low interest rates

|  | $\mathbf{3 0}$ Year 4.0\% MBS - At TBA Price |  |  |  |  |
| ---: | :---: | :---: | :---: | :---: | :---: |
|  | $\mathbf{1 0 . 0} \mathbf{C P R}$ | $\mathbf{2 0 . 0} \mathbf{C P R}$ | $\mathbf{2 5 . 0} \mathbf{C P R}$ | $\mathbf{3 0 . 0} \mathbf{C P R}$ | $\mathbf{4 0 . 0} \mathbf{C P R}$ |
| Asset Yield ${ }^{(1)}$ | $2.94 \%$ | $2.25 \%$ | $1.86 \%$ | $1.46 \%$ | $0.55 \%$ |
| Cost of Funds ${ }^{(2)}$ | $(0.70) \%$ | $(0.70) \%$ | $(0.70) \%$ | $(0.70) \%$ | $(0.70) \%$ |
| Net Margin | $2.24 \%$ | $1.55 \%$ | $1.16 \%$ | $0.76 \%$ | $-0.15 \%$ |
| ROE $(7.5 x$ Lev $)$ | $19.74 \%$ | $13.88 \%$ | $10.56 \%$ | $7.16 \%$ | $-0.58 \%$ |

Even 2 points above the TBA price, a slow prepaying mortgage-backed security can produce attractive spreads and ROEs


[^0]
## Q2 2012 Portfolio Update

## Our portfolio remains relatively well positioned against prepayments



[^1]Capital Agency

## Financing Summary

## Access to repo funding remained stable throughout the quarter

- Continued to extend maturity of repo funding
$\checkmark$ Increased original contractual average maturity of our repo funding to 121 days from 104 days as of March 31
- Average repo cost increased to 0.42\% as of June 30 from $0.37 \%$ as of March 31
- No material change to repo margin requirements during the quarter
- Increased number of repo counterparties to 31

| AGNC Repos (1) <br> (\$ in millions - as of June 30, 2012) |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Original Repo <br> Maturities | Repo <br> Outstanding <br> $\%$ | Repo <br> Outstanding <br> $\$$ | Interest <br> Rate | Remaining <br> Da Maturity | Original <br> (to |
| 1 Month or Less | $13 \%$ | $\$ 8,903$ | $0.40 \%$ | 15 | 25 |
| 1-3 Months | $28 \%$ | 19,795 | $0.40 \%$ | 30 | 58 |
| $4-6$ Months | $31 \%$ | 21,549 | $0.41 \%$ | 55 | 102 |
| $7-9$ Months | $18 \%$ | 12,690 | $0.45 \%$ | 108 | 188 |
| $10-12$ Months | $4 \%$ | 2,930 | $0.50 \%$ | 159 | 279 |
| $13-24$ Months | $5 \%$ | 3,129 | $0.56 \%$ | 282 | 370 |
| $25-36$ Months | $1 \%$ | 544 | $0.71 \%$ | 895 | 931 |
| Total / Wtd Avg | $100 \%$ | $\$ 69,540$ | $0.42 \%$ | 74 | 121 |

## Hedging Summary

Our primary objective is not to eliminate risk or to lock in a particular net interest margin, but to maintain our book value within reasonable bands over a wide range of interest rate scenarios

## - Interest Rate Swaps

$\checkmark$ \$48.6 B notional pay fixed swap book as of June $30{ }^{(1)}$

- \$12.0 B of swaps added during the quarter
o 6.7 yr average term, 1.37\% average pay rate
- \$1.6 B of swaps terminated or matured during the quarter
$\checkmark$ Covers $69 \%$ of repo and other debt balance
- An increase from 55\% as of March 31


## - Interest Rate Swaptions

$\checkmark$ \$8.8 B notional payer swaptions as of June 30

- \$2.2 B payer swaptions added at a cost of $\$ 33 \mathrm{MM}$
- \$3.9 B payer swaptions expired at an original cost of $\$ 21$ MM
$\checkmark \$ 37 \mathrm{MM}$ total market value as of June 30
$\checkmark$ Covers $12 \%$ of repo and other debt balance
- A decrease from $15 \%$ as of March 31

|  | Interest Rate Swaps (1)(2) <br> (\$ in millions - as of June 30, 2012) |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Maturity | Notional <br> Amount | Pay <br> Rate | Receive <br> Rate | Years to <br> Maturity |
| $0-3$ Years | $\$ 16,800$ | $1.21 \%$ | $0.29 \%$ | 2.0 |
| $4-5$ Years | 20,200 | $1.61 \%$ | $0.38 \%$ | 4.2 |
| $6-7$ Years | 6,350 | $1.45 \%$ | $0.50 \%$ | 6.1 |
| $8-10$ Years | 3,700 | $1.93 \%$ | $0.50 \%$ | 9.4 |
| $>10$ Years | 1,500 | $1.82 \%$ | $0.46 \%$ | 10.1 |
| Total / Wtd Avg | $\$ 48,550$ | $1.48 \%$ | $0.37 \%$ | 4.3 |


| Interest Rate Payer Swaptions (2) <br> (\$ in millions - as of June 30, 2012) |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Expiration | Notional Amount | Cost | Market Value | Pay <br> Rate | Swap Term (Years) |
| $\leq 3$ Months | \$2,250 | \$13 | \$-- | 2.52\% | 7.7 |
| 4-6 Months | 200 | 3 | -- | 3.02\% | 7.5 |
| 7-12 Months | 3,400 | 60 | 9 | 3.02\% | 8.1 |
| 19-24 Months | 2,400 | 38 | 23 | 3.12\% | 6.7 |
| 31-37 Months | 550 | 7 | 5 | 3.31\% | 4.3 |
| 12 Months | \$8,800 | \$121 | \$37 | 2.94\% | 7.4 |

## Other Hedge Instruments

We continue to use a variety of hedging instruments to manage interest rate risk

- Treasury Securities and Futures
$\checkmark$ \$3.2 B short treasury and futures position
$\checkmark$ Covers 5\% of repo and other debt balance
- TBA Mortgages
$\checkmark$ \$3.4 B net short TBA mortgage position ${ }^{(1)}$
$\checkmark$ Covers $5 \%$ of repo and other debt balance
- Total Hedge Portfolio
$\checkmark$ Positions actively managed
$\checkmark$ Covers $91 \%$ of repo and other debt balance
- An increase from $88 \%$ as of March 31

| Treasury Securities and Futures <br> (\$ in millions - as of June 30, 2012) |  |  |
| :---: | :---: | :---: |
| Face Amount <br> Long / (Short) |  |  |
| Maturity | $\mathbf{( \$ 6 0 0 )}$ | Market Value |
| 5 Years | $(650)$ | $\mathbf{( \$ 6 2 2 )}$ |
| 10 Years | $(1,919)$ | $(647)$ |
| Futures (10 Yr Trsy) | $\mathbf{( \$ 3 , 1 6 9 )}$ | $\mathbf{( 1 2 )}$ |
| Total |  | $\mathbf{( \$ 1 , 2 8 1 )}$ |


| TBA Hedges <br> (\$ in millions - as of June 30, 2012) |  |  |
| :---: | :---: | :---: |
| Face Amount <br> Long / (Short) |  |  |
| Term | $\$ 5,340$ | Market Value |
| 15 Year | $(8,743)$ | $\$ 5,506$ |
| 30 Year ${ }^{(1)}$ | $(\$ 3,403)$ | $(9,265)$ |
| Total |  | $(\$ 3,759)$ |

## Duration Gap Information

## Duration Gap is an estimate of the difference in the interest rate price sensitivity of our assets relative to our liabilities and hedges, excluding the impact of negative convexity and leverage

- Our duration gap was negative 0.44 years as of June 30
$\checkmark$ A shift from a positive duration gap of 0.41 years as of March 31
- The duration of our asset portfolio shortened to 2.7 years as of June 30 from 3.3 years as of March 31, primarily due to the decline in interest rates
- The duration of our liability and hedge portfolio increased to 3.1 years as of June 30 from 2.9 years as of March 31
$\checkmark$ The duration of our pay fixed swap portfolio increased to 4.1 years from 3.7 years as of March 31

| (\$ in billions, duration in years) | June 30, 2012 |  | March 31, 2012 |  |
| :---: | :---: | :---: | :---: | :---: |
| Asset | Market Value | Duration | Market Value | Duration |
| Fixed ${ }^{(1)}$ | \$76.3 | 2.76 | \$77.8 | 3.47 |
| ARM | 1.1 | 1.41 | 2.5 | 2.32 |
| CMO ${ }^{(2)}$ | 1.1 | 4.20 | 0.3 | -0.90 |
| Cash | 2.4 | 0.01 | 2.1 | 0.01 |
| Total | \$80.9 | 2.68 | \$82.7 | 3.33 |
| Liabilities \& Hedges | Market Value / Notional | Duration | Market Value / Notional | Duration |
| Liabilities | (\$70.0) | 0.20 | (\$69.8) | 0.17 |
| Liabilities (Other) ${ }^{(3)}$ | (0.9) | 1.46 | -- | -- |
| Swaps | (48.6) | 4.09 | (38.1) | 3.65 |
| Swaptions | (8.8) | 0.64 | (10.5) | 1.39 |
| Treasury / Futures | (3.8) | 6.37 | (6.0) | 6.99 |
| TBA | (4.3) | 2.06 | (7.7) | 4.55 |
| IOS | (0.1) | -3.44 | (0.2) | -3.53 |
| Total |  | -3.12 |  | -2.91 |
| Net Duration Gap |  | -0.44 |  | 0.41 |






 $10-K s$ and 10-Qs for a more complete discussion of duration (interest rate risk).

[^2]Agency
2. CMO balance includes interest-only, inverse interest-only and principal-only securities
3. Represents other debt which consists of other variable rate debt outstanding at Libor +25 bps in connection with the consolidation of structured transactions under GAAP

## Business Economics

| (unaudited) | $\begin{aligned} & \text { As of } \\ & 6 / 30 / 12^{(1)} \end{aligned}$ | As of 3/31/12 | Q2 2012 | Q1 2012 | Q4 2011 | Q3 2011 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Asset Yield | 2.81\% | 3.06\% | 2.73\% | 3.32\% | 3.06\% | 3.14\% |
| Cost of Funds ${ }^{(2)}$ | (1.19)\% | (0.99)\% | (1.08)\% | (1.01)\% | (1.16)\% | (1.00)\% |
| Net Interest Rate Spread | 1.62\% | 2.07\% | 1.65\% | 2.31\% | 1.90\% | 2.14\% |
| Leverage ${ }^{(3)}$ | 7.6x | 8.4x | 7.5x | 8.2x | 7.6x | 7.9x |
| Leveraged Net Interest Rate Spread | 12.35\% | 17.29\% | 12.37\% | 19.02\% | 14.44\% | 16.89\% |
| Plus Asset Yield | 2.81\% | 3.06\% | 2.73\% | 3.32\% | 3.06\% | 3.14\% |
| Gross Return on Equity ("ROE") Before Expenses and Other Income | 15.16\% | 20.34\% | 15.10\% | 22.34\% | 17.51\% | 20.03\% |
| Management Fees as a \% of Equity | (1.19)\% | (1.22)\% | (1.24)\% | (1.28)\% | (1.31)\% | (1.27)\% |
| Other Operating Expenses as a \% of Equity | (0.34)\% | (0.26)\% | (0.35)\% | (0.32)\% | (0.43)\% | (0.48)\% |
| Total Operating Expenses as a \% of Equity | (1.53)\% | (1.48)\% | (1.59)\% | (1.60)\% | (1.74)\% | (1.75)\% |
| Net Spread Income ROE | 13.63\% | 18.86\% | 13.51\% | 20.74\% | 15.77\% | 18.28\% |
| Other Miscellaneous ${ }^{(4)}$ | -- \% | -- \% | (0.86)\% | (1.11)\% | (1.14)\% | (1.27)\% |
| Realized Other Income, net of Tax ${ }^{(5)}$ | -- \% | -- \% | 4.80\% | 12.56\% | 6.37\% | 7.21\% |
| Unrealized Other (Loss)/Income | -- \% | -- \% | (28.96)\% | 4.61\% | (6.11)\% | (3.79)\% |
| Net Income ROE | 13.63\% | 18.86\% | (11.51)\% | 36.80\% | 14.88\% | 20.39\% |
| Other Comprehensive Income/(Loss) | -- \% | -- \% | 32.74\% | (3.10)\% | 19.12\% | 1.89\% |
| Comprehensive Income ROE | 13.63\% | 18.86\% | 21.23\% | 33.70\% | 34.00\% | 22.28\% |
| Comprehensive Return on Preferred Equity in Excess of Preferred Dividend | 0.11\% | -- \% | 0.24\% | -- \% | -- \% | -- \% |
| Net Comprehensive ROE Available to Common Shareholders | 13.74\% | 18.86\% | 21.47\% | 33.70\% | 34.00\% | 22.28\% |

1. As of $6 / 30 / 12$, the mark-to-market yield on our MBS portfolio was $2.36 \%$, the mark-to-market pay fixed rate on our swap portfolio was $1.01 \%$, and the mark-to-market cost of funds was $0.87 \%$
2. Cost of funds includes interest expense and other periodic swap interest costs reported in other income (loss). Cost of funds as of $6 / 30 / 12$ and $3 / 31 / 12$ includes the impact of swaps in effect as of each date ( $\$ 43.9 \mathrm{~B}$ and $\$ 31.0 \mathrm{~B}$, respectively), plus forward starting swaps becoming effective, net of swaps expiring, within three months of each date (\$4.1 B net and \$7.2 B net, respectively), but excludes costs associated with supplemental hedges such as swaptions and short treasury or TBA positions
3. Leverage as of $6 / 30 / 12$ and $3 / 31 / 12$ calculated as sum of repurchase agreements, net payable / receivable for unsettled agency securities and other debt divided by total stockholders' equity. Average leverage calculated as the daily weighted average sum of repurchases agreements and other debt outstanding divided by the average month-ended equity for the period
4. Other miscellaneous reflects the impact of differences between the use of daily averages used for investment securities and repurchase agreements and the month-end average used for shareholders' equity, cash and cash equivalents, restricted cash, other non investment assets and liabilities, and other immaterial rounding differences
5. Realized other income, net of tax, excludes other periodic swap interest costs included in cost of funds

## Looking Ahead - Positioning AGNC's Investment Portfolio

The composition of our mortgage portfolio, coupled with our hedges, should allow AGNC to continue to produce attractive returns over a range of interest rate environments

- AGNC's portfolio should continue to perform well in the current low rate, higher prepayment environment
$\checkmark 69 \%$ of the portfolio is backed by either lower loan balance loans or higher LTV HARP loans ${ }^{(1)}$
$\checkmark$ Less than 3\% of AGNC's portfolio is eligible for the HARP 2.0 program
- AGNC's portfolio is intended to be well positioned for a FED mortgage purchase program (QE3)
$\checkmark$ Of our remaining non-HARP/non-lower loan balance fixed rate pass through position, $73 \%$ is low coupon fixed rate MBS (2)
- AGNC has materially increased the amount and term of its hedges which is intended to help the performance of the portfolio if rates increase
$\checkmark$ Interest rate swaps cover 69\% of borrowings
$\checkmark$ Other hedges cover for an additional 22\% borrowings


## Supplemental Slides

(1) American
$\square$ Capital
$\square$ Agency

## AGNC Historical Overview



Net Spread (2)(3)


Net Book Value Per Common Share (4)


1. Comprehensive earnings per common share is a GAAP measure that consists of net income (loss) per common share plus unrealized gains/losses on agency MBS and designated hedges per common share recognized in other comprehensive income, a separate component of equity
 30 for additional information regarding non-GAAP financial measures
2. Represents average per quarter
3. Net book value per common share calculated as total shareholders' equity, less the Series A Preferred Stock liquidation preference, divided by total common shares outstanding

## AGNC Historical Overview

## Investment Portfolio



Leverage ${ }^{(1)}$


## Amortized Cost Basis



## Income Statements

| (\$ in millions, except per share data) (Unaudited) | Q2 2012 | Q1 2012 | Q4 2011 | Q3 2011 | Q2 2011 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Interest Income | \$504 | \$514 | \$353 | \$327 | \$265 |
| Interest Expense (1) | (120) | (106) | (90) | (95) | (64) |
| Net Interest Income | 384 | 408 | 263 | 232 | 201 |
| Gain on Sale of Agency Securities, Net | 417 | 216 | 112 | 263 | 94 |
| (Loss) Gain on Derivative Instruments and Other Securities, Net ${ }^{(1)}$ | $(1,029)$ | 47 | (137) | (222) | (100) |
| Total Other (Loss) Income, Net | (612) | 263 | (25) | 41 | (6) |
| Management Fee | (28) | (22) | (18) | (16) | (12) |
| General and Administrative Expenses | (8) | (6) | (6) | (6) | (5) |
| Total Operating Expenses | (36) | (28) | (24) | (22) | (17) |
| (Loss) Income before Income Tax Benefit (Provision) | (264) | 643 | 214 | 251 | 178 |
| Income Tax Benefit (Provision) | 3 | (2) | (5) | (1) | - |
| Net (Loss) Income | (261) | 641 | 209 | 250 | 178 |
| Dividend on Preferred Stock | (3) | - | - | - | - |
| Net (Loss) Income (Attributable) Available to Common Shareholders | \$(264) | \$641 | \$209 | \$250 | \$178 |
| Net (Loss) Income | \$(261) | \$641 | \$209 | \$250 | \$178 |
| Unrealized Gain (Loss) on Available-for-Sale Securities, Net | 689 | (106) | 214 | 536 | 319 |
| Unrealized Gain (Loss) on Derivative Instruments, Net (1) | 52 | 52 | 54 | (512) | (253) |
| Other Comprehensive Income (Loss) | 741 | (54) | 268 | 24 | 66 |
| Comprehensive Income | \$480 | \$587 | \$477 | \$274 | \$244 |
| Dividend on Preferred Stock | (3) | - | - | - | - |
| Comprehensive Income available to Common Shareholders | \$477 | \$587 | \$477 | \$274 | \$244 |
| Weighted Average Common Shares Outstanding - Basic and Diluted | 301.0 | 240.6 | 210.3 | 180.7 | 130.5 |
| Net (Loss) Income per Common Share | (\$0.88) | \$2.66 | \$0.99 | \$1.39 | \$1.36 |
| Comprehensive Income per Common Share | \$1.58 | \$2.44 | \$2.27 | \$1.51 | \$1.87 |
| Estimated REIT Taxable Income per Common Share | \$1.62 | \$2.03 | \$1.61 | \$1.86 | \$1.56 |
| Dividends Declared per Common Share | \$1.25 | \$1.25 | \$1.40 | \$1.40 | \$1.40 |

Note: Amounts may not total due to rounding

1. 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. For Q2 '12, Q1 '12, Q4 '11 and Q3 '11, other income (loss), net, included $\$ 62 \mathrm{MM}, \$ 39 \mathrm{MM}, \$ 33 \mathrm{MM}$ and $\$ 2 \mathrm{MM}$ of other periodic swap interest costs, respectively

## Reconciliation of GAAP Net Interest Income to Adjusted Net Interest Income and Net Spread Income ${ }^{(1)}$

| (\$ in millions, except per share data) (Unaudited) | Q2 2012 | Q1 2012 | Q4 2011 | Q3 2011 | Q2 2011 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Interest Income | \$504 | \$514 | \$353 | \$327 | \$265 |
| Interest Expense: |  |  |  |  |  |
| Repurchase Agreements and Other Debt | (68) | (54) | (36) | (24) | (18) |
| Interest Rate Swap Periodic Costs ${ }^{(2)}$ | (52) | (52) | (54) | (71) | (46) |
| Total Interest Expense | (120) | (106) | (90) | (95) | (64) |
| Net Interest Income | 384 | 408 | 263 | 232 | 201 |
| Other Interest Rate Swap Periodic Costs ${ }^{(3)}$ | (62) | (39) | (33) | (2) | -- |
| Adjusted Net Interest Income | 322 | 369 | 230 | 230 | 201 |
| Total Operating Expenses | (36) | (28) | (24) | (22) | (17) |
| Net Spread Income | 286 | 341 | 206 | 208 | 184 |
| Dividend on Preferred Stock | (3) | -- | -- | -- | -- |
| Net Spread Income Available to Common Shareholders | \$283 | \$341 | \$206 | \$208 | \$184 |
| Weighted Average Common Shares Outstanding - Basic and Diluted | 301.0 | 240.6 | 210.3 | 180.7 | 130.5 |
| Net Spread Income per Common Share - Basic and Diluted | \$0.94 | \$1.42 | \$0.98 | \$1.15 | \$1.41 |

Note: Amounts may not total due to rounding

1. Table includes non-GAAP financial measures. Please refer to slide 30 for additional information regarding non-GAAP financial measures
2. 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 included in the table above does not include termination fees or mark-to-market adjustments associated with interest rate swaps

## Reconciliation of GAAP Net Income to Estimated Taxable Income <br> ${ }^{(1)}$



Note: Amounts may not total due to rounding

1. Please refer to slide 30 on the use of Non-GAAP financial information
2. Other book to tax differences include GAAP net income/loss of wholly-owned taxable REIT subsidiary, net of corporate income tax; permanent difference for non-deductible excise tax expense; and other temporary differences for non-deductible adjustments

## Balance Sheets

|  |  |  |
| :--- | :--- | :--- |

American 1. Unaudited except for 12/31/2011



## Net Book Value Roll Forward

| (In millions, except per share data) (Unaudited) | Balance | Common Shares Outstanding | Preferred Shares Outstanding | Net Book Value per Common Share |
| :---: | :---: | :---: | :---: | :---: |
| March 31, 2012 Net Common Equity | \$8,718 | 300.0 | - | \$29.06 |
| Net Loss | (261) |  |  |  |
| Other Comprehensive Income | 741 |  |  |  |
| Dividend on Common Stock | (381) |  |  |  |
| Dividend on Preferred Stock | (3) |  |  |  |
| Balance before Capital Transactions | 8,814 | 300.0 | - | \$29.60 |
| Issuance of Common Stock, Net of Offering Costs | 155 | 4.8 | - | \$32.37 |
| Issuance of Preferred Stock, Net of Offering Costs | 167 | - | 6.9 | - |
| Preferred Stock \$25 per Share Liquidation Preference | (173) | - | - | - |
| June 30, 2012 Net Common Equity | \$8,963 | 304.8 | 6.9 | \$29.41 |

## Fixed Rate Agency Securities Portfolio

\$ in millions - as of June 30, 2012

| MBS <br> Coupon ${ }^{(1)(2)}$ | Par Value | Market Value | \% Lower <br> Loan <br> Balance / <br> HARP ${ }^{(5)}$ <br> (5) | Amortized Cost Basis | Average WAC (3) | Average Age (Months) | Actual 1 Month CPR ${ }^{(4)}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| s15 YR Mortgage Securities |  |  |  |  |  |  |  |
| 2.5\% | \$6,008 | \$6,197 | 2\% | 102.9\% | 3.14\% | 2 | 1.1\% |
| 3.0\% | 2,002 | 2,111 | 97\% | 104.0\% | 3.45\% | 6 | 5.2\% |
| 3.5\% | 7,126 | 7,631 | 91\% | 103.0\% | 3.93\% | 16 | 9.3\% |
| 4.0\% | 9,289 | 9,990 | 80\% | 104.6\% | 4.40\% | 19 | 16.0\% |
| 4.5\% | 847 | 920 | 98\% | 105.1\% | 4.86\% | 22 | 13.8\% |
| 5.0\% | 4 | 5 | 100\% | 104.7\% | 5.38\% | 28 | 29.1\% |
| $\geq 5.5 \%$ | 8 | 9 | 0\% | 104.5\% | 6.81\% | 64 | 1.1\% |
| Subtotal | \$25,284 | \$26,863 | 67\% | 103.7\% | 3.91\% | 13 | 9.9\% |
| 20 YR Mortgage Securities |  |  |  |  |  |  |  |
| 3.0\% | \$277 | \$287 | 2\% | 103.5\% | 3.65\% | 3 | 1.9\% |
| 3.5\% | 1,958 | 2,072 | 5\% | 103.8\% | 3.95\% | 6 | 8.2\% |
| 4.0\% | 457 | 497 | 53\% | 104.7\% | 4.57\% | 13 | 12.1\% |
| 4.5\% | 154 | 170 | 95\% | 107.0\% | 4.89\% | 19 | 10.6\% |
| 5.0\% | 43 | 48 | 87\% | 105.0\% | 5.47\% | 22 | 6.1\% |
| 6.0\% | 6 | 6 | 0\% | 108.7\% | 6.42\% | 69 | 48.7\% |
| Subtotal | \$2,894 | \$3,080 | 19\% | 104.1\% | 4.10\% | 8 | 8.5\% |
| 30 YR Mortgage Securities |  |  |  |  |  |  |  |
| 3.5\% | \$15,246 | \$16,074 | 53\% | 103.8\% | 4.00\% | 4 | 4.0\% |
| 4.0\% | 20,210 | 21,854 | 96\% | 106.4\% | 4.46\% | 7 | 4.7\% |
| 4.5\% | 5,674 | 6,221 | 83\% | 105.8\% | 4.94\% | 17 | 12.6\% |
| 5.0\% | 851 | 932 | 54\% | 106.3\% | 5.41\% | 36 | 17.3\% |
| 5.5\% | 355 | 391 | 43\% | 107.7\% | 6.04\% | 67 | 24.1\% |
| $\geq 6.0 \%$ | 289 | 317 | 100\% | 107.3\% | 6.23\% | 52 | 29.7\% |
| Subtotal | \$42,625 | \$45,789 | 77\% | 105.4\% | 4.41\% | 9 | 6.2\% |
|  |  |  |  |  |  |  |  |
| Total Fixed | \$70,803 | \$75,732 | 71\% | 104.8\% | 4.22\% | 10 | 7.6\% |

Ainerican 1. Excludes net TBA and forward settling securities of $\$ 5.3$ B 15-year net long position, $\$ 450 \mathrm{MM}$ 20-year net long position and $\$ 9.2 \mathrm{~B} 30$-year net short position

## Hybrid ARM Securities Portfolio

\$ in millions - as of June 30, 2012

| New Issue Hybrid ARMs (2009/2010/2011/2012 Vintage) |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Type | Par Value | Market Value | Amortized Cost Basis | Average MBS Coupon | Average <br> Age (1) | \% Interest Only | 1 Month CPR ${ }^{(2)}$ |
| FH/FN 5/1 | \$10 | \$11 | 102.8\% | 3.56\% | 31 | 0\% | 27.2\% |
| GN 5/1 | 266 | 280 | 104.7\% | 3.73\% | 17 | 0\% | 17.3\% |
| FH/FN 7/1 | 166 | 176 | 103.3\% | 3.65\% | 19 | 25\% | 21.1\% |
| GN 7/1 | 2 | 2 | 104.4\% | 4.00\% | 23 | 0\% | 0.2\% |
| FH/FN 10/1 | 152 | 162 | 103.6\% | 3.98\% | 23 | 17\% | 31.0\% |
| Subtotal | \$596 | \$631 | 104.0\% | 3.77\% | 19 | 11\% | 22.2\% |
| Seasoned Hybrid ARMs (Pre 2009 Vintage) |  |  |  |  |  |  |  |
| $\leq 4.0 \%-4.9 \%$ | \$273 | \$290 | 102.6\% | 4.54\% | 76 | 14\% | 12.1\% |
| 5.0\%-5.9\% | 126 | 135 | 103.7\% | 5.36\% | 64 | 25\% | 26.2\% |
| $\geq 6.0 \%$ | 15 | 16 | 104.2\% | 6.12\% | 66 | 67\% | 36.5\% |
| Subtotal | \$414 | \$441 | 103.0\% | 4.84\% | 72 | 19\% | 17.6\% |
|  |  |  |  |  |  |  |  |
| Total ARMs | \$1,010 | \$1,072 | 103.6\% | 4.21\% | 41 | 14\% | 20.4\% |


| Reset | Market Value | \% Total | Average Reset | Average Coupon |
| :---: | :---: | :---: | :---: | :---: |
| 0-23 Months | \$317 | 30\% | 17 | 4.66\% |
| 24-35 Months | 136 | 12\% | 29 | 4.86\% |
| 36-60 Months | 297 | 28\% | 51 | 3.80\% |
| > 60 Months | 322 | 30\% | 83 | 3.87\% |
| Total | \$1,072 | 100\% | 48 | 4.21\% |


| Index | \% Total |
| :---: | :---: |
| LIBOR | 54\% |
| CMT / MTA | 46\% |
| COFI / Other | --\% |
| Total | 100\% |

## Repo Counterparty Credit Risk

## Our funding is well diversified by counterparty and geographically

- Repo counterparties well diversified
- Maintained excess capacity with most of our counterparties
- Less than 4\% of our equity is at risk with any one counterparty
- Less than 16\% of our equity is at risk with the top 5 counterparties

| Counterparty <br> Region | Number of <br> Counterparties | Percent of Repo <br> Funding |
| :---: | :---: | :---: |
| North <br> America | 17 | $53 \%$ |
| Asia | 5 | $17 \%$ |
| Europe | 9 | $30 \%$ |


| Counterparty <br> Region | Counterparty <br> Rank | Counterparty <br> Exposure as a <br> \% of NAV |
| :---: | :---: | :---: |
|  | 1 | $3.47 \%$ |
| North | 2 | $3.34 \%$ |
| America | 3 | $3.26 \%$ |
|  | 4 | $2.25 \%$ |
|  | 5 | $1.62 \%$ |
|  | $6-17$ | $8.12 \%$ |
|  | 1 | $2.62 \%$ |
| Asia | 2 | $1.71 \%$ |
|  | 3 | $1.17 \%$ |
|  | 4 | $0.82 \%$ |
|  | 5 | $0.79 \%$ |
|  | 1 | $2.74 \%$ |
|  | 2 | $2.54 \%$ |
|  | 3 | $2.36 \%$ |
|  | 4 | $1.76 \%$ |
|  | 5 | $1.04 \%$ |
|  | $6-9$ | $2.07 \%$ |


| Total Exposure | $41.69 \%$ |
| :---: | :---: |
| Top 5 Exposure | $15.36 \%$ |

Note: All figures as of June 30, 2012

1. Excludes $\$ 954 \mathrm{MM}$ of other debt which consists of other variable rate debt outstanding at Libor +25 bps 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

## NAV Interest Rate Sensitivity

## Given the negative convexity of our mortgage assets, an instantaneous parallel shock to interest rates will adversely impact the market value of our equity

- The duration of a mortgage changes with interest rates and tends to increase when rates rise and decrease when rates fall
- This negative convexity generally increases the interest rate exposure of a mortgage portfolio over what would be indicated by the duration gap alone
- The estimated impact on the market value of the asset portfolio, net of hedges, is based on model predictions and assumes that no portfolio rebalancing actions are taken
- The estimated change to equity (NAV) includes the impact of leverage and incorporates the dual effects of both duration and convexity

| Interest Rate Sensitivity <br> (based on instantaneous parallel change in interest rates) |  |  |
| :---: | :---: | :---: |
| Interest Rate <br> Shock (bps) | Estimated <br> Change in Portfolio <br> Market Value (1) | Estimated <br> Change <br> Equity NAV (2) |
| -100 | $-1.18 \%$ | $-10.58 \%$ |
| -50 | $-0.45 \%$ | $-4.05 \%$ |
| 50 | $0.02 \%$ | $0.18 \%$ |
| 100 | $-0.39 \%$ | $-3.47 \%$ |

[^3]
## Duration Gap

- The duration of an asset or liability measures how much its price is expected to change if interest rates move in a parallel manner
$\checkmark \quad$ For example, an instrument with a 1 yr duration is expected to change $1 \%$ in price for a 100 bp move in rates
- 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)
$\checkmark \quad$ It is calculated using relatively complex models and different models can produce substantially different results. Furthermore, actual performance of both assets and hedges may differ materially from the model estimates
$\checkmark$ Duration and convexity calculations generally assume all rates move together (2 yr rates, 10 yr rates, swap rates, treasury rates etc.) and this is typically not the case. As such, these calculations do not measure the "basis risk" or yield curve exposure, embedded in these positions
$\checkmark$ Higher leverage increases the exposure of our book value (or equity) to a given duration gap
- The duration of mortgage assets also changes as interest rates move. The duration generally extends when interest rates rise and contracts when interest rates fall. This is called "negative convexity" and is generally driven by changes in prepayment expectations, which have historically been correlated with interest rates. Interest rate caps embedded in ARM securities also increase negative convexity
$\checkmark \quad$ Negative convexity generally increases the interest rate exposure of a mortgage portfolio significantly over what would be indicated by the duration gap alone
- 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
$\checkmark$ Base models, settings and market inputs are provided by Blackrock
$\checkmark \quad$ Blackrock periodically adjusts these models as new information becomes available
$\checkmark \quad$ AGNC management makes adjustments to the Blackrock model for certain securities as needed
$\checkmark \quad$ Please refer to our most recent Form 10-K and 10-Q filed with the SEC for additional information on risk measures
- The inputs and results from these models are not audited by our independent auditors


## Use of Non-GAAP Financial Information

In addition to the results presented in accordance with GAAP, this presentation includes certain non-GAAP financial information, including net spread income, estimated taxable income and certain financial metrics derived from non-GAAP information, such as estimated undistributed taxable income, which the Company's management uses in its internal analysis of results, and believes may be informative to investors.

Net spread income consists of adjusted net interest income, less total operating expenses. Adjusted net interest income is interest income less interest expense (or "GAAP net interest income"), less other periodic interest rate swap interest costs reported in other income (loss), net.

Estimated taxable income is pre-tax income calculated in accordance with the requirements of the Internal Revenue Code rather than GAAP. Estimated taxable income differs from GAAP income because of both temporary and permanent differences in income and expense recognition. Examples include (i) unrealized gains and losses associated with interest rate swaps and other derivatives and securities marked-to-market in current income for GAAP purposes, but excluded from estimated taxable income until realized or settled, (ii) temporary differences related to the amortization of premiums paid on investments and (iii) timing differences in the recognition of certain realized gains and losses. Furthermore, estimated taxable income can include certain information that is subject to potential adjustments up to the time of filing of the appropriate tax returns, which occurs after the end of the calendar year of the Company.

The Company believes that these non-GAAP financial measures provide information useful to investors because net spread income is a financial metric used by management and investors and estimated taxable income is directly related to the amount of dividends the Company is required to distribute in order to maintain its REIT tax qualification status. The Company also believes that providing investors with net spread income, estimated taxable income and certain financial metrics derived based on such estimated taxable income, in addition to the related GAAP measures, gives investors greater transparency to the information used by management in its financial and operational decision-making. However, because net spread income and estimated taxable income are an incomplete measure of the Company's financial performance and involve differences from net income computed in accordance with GAAP, net spread income and estimated taxable income should be considered as supplementary to, and not as a substitute for, the Company's net income computed in accordance with GAAP as a measure of the Company's financial performance. In addition, because not all companies use identical calculations, the Company's presentation of net spread income and estimated taxable income may not be comparable to other similarly-titled measures of other companies. A reconciliation of non-GAAP net spread income and taxable income measures to GAAP net income is set forth on slides 21 and 22.


[^0]:    *The hypothetical ROEs listed above are for illustrative purposes only to show the effect of prepayment speeds on yields, spreads, and ROEs at two different price levels with the cost of funds held constant to simplify the analysis. The prepayment speeds displayed on tables are hypothetical and actual speeds for both generic and slower
     Securities purchased at higher prices would produce substantially worse returns in the absence of significant prepayment differences.

[^1]:    1. Excludes net TBA and forward settling securities of $\$ 5.3$ B 15-year net long position, $\$ 450 \mathrm{MM} 20$-year net long position and $\$ 9.2$ B 30-year net short position 2. Includes interest-only, inverse interest-only and principal-only securities
    2. Weighted average actual 1 month annualized CPR released at the beginning of the month based on the securities held as of the preceding month-end
    3. Lower loan balance securities defined as pools backed by max original loan balances of up to $\$ 150 \mathrm{~K}$. Weighted average original loan balance of $\$ 99 \mathrm{~K}$ and $\$ 103 \mathrm{~K}$ for 15 and 30-year securities, respectively, as of June 30
    4. HARP securities defined as pools backed by $100 \%$ refinance loans with original LTVs $\geq 80 \%$. Weighted average original LTV of $95 \%$ and $97 \%$ for 15 and $30-$ year
    securities, respectively, as of June 30
    5. Includes total of $\$ 689$ MM and $\$ 960$ MM of securities backed by loans with original loan balances $\leq \$ 175 \mathrm{~K}$ for 15 and 30 -year securities, respectively, as of June 30
    6. Average projected life CPR as of June 30
[^2]:    American 1.
    Capital
    Includes $\$ 450$ MM of 20-year forward settling securities and $\$ 50$ MM of 30-year forward settling securities as of June 30, 2012 and $\$ 101$ MM of 30 -year forward settling securities as of Mar 31, 2012

[^3]:    
    
    
    
    
     discussion of duration (interest rate risk)

