American Capital Agency

Q1 2009 Stockholder Presentation

April 30, 2009

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 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 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, including our annual report on Form 10-K for the year ended December 31, 2008. Historical results discussed in this presentation are not indicative of future results.

Overview of AGNC

Structure and Investment Objective

- Agency REIT Externally-Managed by an Affiliate of American Capital, Ltd. (Nasdaq: ACAS)
- Generate Attractive Risk-Adjusted Returns
- Distribute Income Through Quarterly Dividends

Asset Class and Investment Portfolio

- Invest Exclusively in Agency Securities Guaranteed by Fannie Mae, Freddie Mac and Ginnie Mae
- Capitalize on Discrepancies in the Relative Valuations in the Agency Securities Market

---

Leverage and Capitalization

- Leverage of 7.0x as of 3/31/09*
- Board approval needed to exceed 10x leverage
- Repurchase agreements with 14 global financial institutions as of 3/31/09

* Leverage calculated as total repurchase agreements ($1,849 MM) plus payable for agency securities purchased but not yet settled ($207 MM) less receivable for agency securities sold but not yet settled ($38 MM) over total stockholders' equity ($289 MM).

Fundamentals of Mortgage Investing

Successful Agency Security Investing

Asset Selection

- **Superior Asset Selection is Critical to Generating Attractive Returns**
  - ✓ Relative Value Within Mortgage Market
  - ✓ Individual Security Selection Within Subsectors
- **Broad-based Analysis of Mortgage and Fixed Income Markets**
  - ✓ Macro Mortgage Market Trends
  - ✓ American Capital Provides Unique Insight Into Economy

Risk Management

- **Proper Assessment of Market Risks Integral to Generating Attractive Risk Adjusted Returns**
- **Understanding Spread Risk and Prepayment Uncertainty is Critical**
- **Balance Protecting Book Value While Managing Income at Risk**

Funding / Leverage

- **Prudent Use of Leverage**
- **Asset Selection is Critical to the Availability of Attractive Funding**
- **Appropriate Risk Management and Hedging Strategies are Crucial**

AGNC is Committed to Balancing the Protection of Book Value While Generating Attractive Returns

Organizational Changes

- **American Capital (ACAS) has initiated organizational changes that will transition certain employees to AGNC's management company, including:**
  - ✓ Gary Kain, who will be President and CIO of the manager
  - ✓ Residential Mortgage Investment Team
  - ✓ Other employees dedicated to supporting AGNC
  - ✓ All employees transferred to the manager will cease to be employees of ACAS
- **Employees of the manager will be compensated through management fees generated by AGNC**
- **Organizational changes provide:**
  - ✓ A dedicated investment team and support staff
  - ✓ Opportunity for employees to invest in / own AGNC common stock

Q1 2009 Highlights

- Declared a Dividend of $0.85 per Share
  - ✓ $0.87 per share of taxable income
  - ✓ $0.31 of undistributed taxable income
- $1.09 per Share of Net Income
  - ✓ $0.30 per share of other income predominately associated with repositioning the portfolio
  - ✓ No option income
- 24.1% annualized ROE*
- Annualized Net Interest Rate Spread of 3.02%
  - ✓ As of March 31, 2009 annualized net interest rate spread of 2.47%
- $2.3 B Investment Portfolio as of March 31, 2009
  - ✓ 39% hybrid ARMs
- 7.0x Leverage as of March 31, 2009**
  - ✓ 5.6x average leverage for Q1 2009
- $19.26 Book Value per Share as of March 31, 2009
  - ✓ Book value increased $2.06 from December 31, 2008

American Capital Agency

* Annualized ROE based on net income and average stockholders' equity for Q1 2009.

** Leverage calculated as total repurchase agreements ($1,849 MM) plus payable for agency securities purchased but not yet settled ($207 MM) less receivable for agency securities sold but not yet settled ($38 MM) over total stockholders' equity ($289 MM).

Market Commentary

- **Two major announcements during Q1 2009:**
  - ✓ The U.S. Treasury announced its Housing Affordability Stabilization Plan (HASP)
  - ✓ The FRB announced a significant expansion to its purchase of debt instruments which included:
    - $750 B in incremental purchases of fixed-rate agency securities
    - $300 B in purchases of longer term treasury securities
    - $100 B in incremental purchases of GSE debt
- **Both premium and current coupon agency securities performed very well during Q1 2009**
- **Prepayment speeds increased but remained below our expectations**
- **We expect faster prepayments in the future as a result of the combination of lower rates and the HASP program**

Security	12/31/08	3/31/09	Change
2 Year Treasury	0.77%	0.80%	0.03%
5 Year Treasury	1.55%	1.66%	0.11%
10 Year Treasury	2.21%	2.67%	0.46%
2 Year Swap	1.48%	1.38%	(0.10%)
5 Year Swap	2.13%	2.21%	0.08%
10 Year Swap	2.56%	2.86%	0.30%

Coupon*	12/31/08	3/31/09	Change	Comment
4.0	100.41	100.53	0.12	Coupons Not Represented in the AGNC Portfolio
4.5	101.53	102.19	0.66	
5.0	102.25	103.19	0.94	
5.5	102.66	103.81	1.15	Coupons Represented in the AGNC Portfolio
6.0	103.06	104.44	1.38	
6.5	103.81	105.31	1.50	

American Capital Agency

Source: Bloomberg LP.

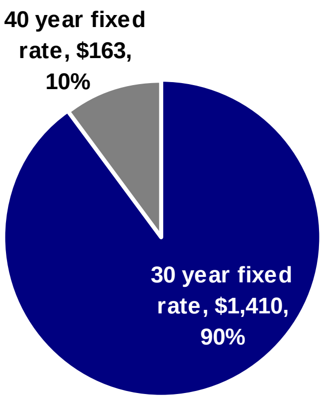
* Fixed rate agency securities

Portfolio Overview

- **We have diversified and increased the size of our portfolio**
  - ✓ Hybrid ARMs comprised 39% of the portfolio as of March 31, 2009
- **Significantly reduced our exposure to Ginnie Mae securities due to adverse prepay characteristics**

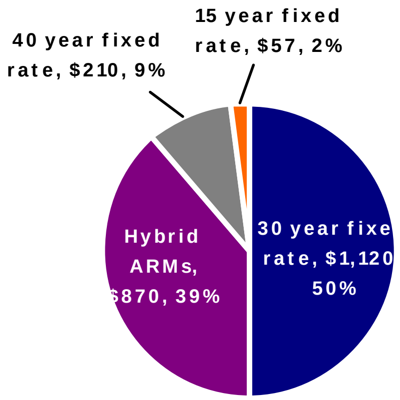
($ in millions)

$1,573 Portfolio as of 12/31/08



Breakout	Market Value	% Total
Fannie Mae	$762	49%
Freddie Mac	243	15%
Ginnie Mae	568	36%
Total	**$1,573**	**100%**

$2,257 Portfolio as of 3/31/09



Breakout	Market Value	% Total
Fannie Mae	$1,814	80%
Freddie Mac	428	19%
Ginnie Mae	15	1%
Total	**$2,257**	**100%**

Fixed Rate Agency Securities

- Diversified our fixed rate agency securities into other types of agency securities with underlying collateral less susceptible to prepay risk
- Actual prepayments of our fixed rate agency securities materially outperformed conventional agency securities

Fixed Rate Agency Securities

($ in Millions – as of March 31, 2009)

Coupon	Market Value	% Total	Amortized Cost Basis	Actual 1 Month CPR*	Actual 3 Month CPR*	Generic Prepay Speeds: Conv. '08 1 Month CPR**	Generic Prepay Speeds: Ginnie '08 1 Month CPR**
5.5%	$132	10%	102.6%	18.1%	17.3%	28.2%	28.8%
6.0%	1,167	84%	101.9%	14.0%	15.7%	30.4%	43.1%
6.5%	42	3%	103.7%	15.0%	15.6%	20.0%	49.0%
> 6.5%	46	3%	105.0%	5.1%	13.2%	22.6%	53.9%
Total	**$1,387**	**100%**	**102.1%**	**14.1%**	**15.7%**		

* As of April 1, 2009 for agency securities held as of March 31, 2009.

** Source: Wall Street investment banks, eMBS and filings from Fannie Mae and Freddie Mac.

American Capital Agency

30- and 40-Year Fixed Rate Portfolio

- Majority of our fixed rate holdings have loan characteristics that improve the prepayment profile of our securities
- Our size offers us the flexibility to source securities with compelling collateral attributes
- We maintain a core portfolio of TBA-eligible securities to manage our liquidity profile

30- & 40-Year Fixed Rate Portfolio

($ in Millions – as of March 31, 2009)

Product Type	Market Value	Actual 1M CPR	% Total Fixed Rate***
Lower Loan Balance*	$234	19.0%	17%
2005 and Earlier Vintages	67	23.3%	5%
2006 and 2007 Vintages	68	25.4%	5%
2008 and 2009 Vintages	15	0.1%	1%
TBA Eligible	**$384**	**20.1%**	**28%**
Interest Only (10/20)	$688	12.7%	50%
40-Year Securities	210	6.9%	15%
Other Securities**	48	8.3%	3%
Non-TBA Eligible	**$946**	**11.2%**	**68%**

* Lower loan balance pools are defined as having a maximum loan balance in the underlying pool of not more than $175,000 with most below $150,000. The lower balance loans includes loans from all vintages. However, those loans are excluded from the specific vintage buckets. The average loan size underlying these securities is $133,770.

** Other securities include non-TBA eligible agency securities such as those with collateral consisting of mortgages with prepayment penalties or irregular payment frequencies.

*** Does not total 100% as 15-year fixed rate agency securities are not included in this analysis.

Hybrid ARM Agency Securities

- **Strong focus on interest only and seasoned hybrid ARMs due to favorable prepayment characteristics**
  - ✓ Interest only 5/1s prepaid more than 40% slower than amortizing LIBOR hybrids*
- **Prefer higher coupons as the yields are attractive, even if prepayment speeds accelerate, and durations are shorter**
- **100% of our hybrid ARMs are indexed to LIBOR**

Hybrid ARMs

($ in Millions – as of March 31, 2009)

Coupon	Market Value	% Total	Amortized Cost Basis	Average Coupon	Average Age (Years)	% Interest Only	Actual 1 Month CPR	Actual 3 Month CPR
< 5.0%	$74	8%	101.8%	4.76%	3.7	45%	18.0%	20.8%
5.0%-5.9%	261	30%	103.3%	5.76%	2.0	96%	11.5%	12.3%
6.0%-6.5%	390	45%	103.8%	6.16%	2.1	86%	15.8%	13.4%
> 6.5%	145	17%	104.5%	6.67%	2.3	100%	24.7%	19.6%
Total / Wtd Avg	**$870**	**100%**	**103.6%**	**6.01%**	**2.2**	**88%**	**16.2%**	**14.7%**

Months to Next Reset	Market Value	% Total	Average Reset
0-23 Months	$0	0%	–
24-35 Months	324	37%	29
36-59 Months	374	43%	45
> 60 Months	172	20%	90
Total / Wtd Avg	**$870**	**100%**	**48**

Index	% Total
LIBOR**	100%
CMT / MTA	–
COFI / Other	–
Total	**100%**

American Capital Agency

* Average of 2005-2008 vintages with IOs at 13% CPR and amortizing at 23% CPR (from eMBS)
** Includes 6-month and 1-year LIBOR

Financing and Hedging Summary

- **7.0x Leverage as of March 31, 2009***
  - ✓ 0.81% weighted average repo cost of funds as of March 31, 2009
- **$700 MM Notional Swap Book as of March 31, 2009**
  - ✓ Extended the average maturity of the swap book to 2.6 years (from 1.8 years as of December 31, 2008)
    - Added $150 million of 5 year and $100 million of 3 year swaps
    - Terminated $200 million of 1 year swaps at a cost of $6.6 million (to be amortized over the original life of the swaps – through Q2 2010)

Repo and Hedges

($ in Millions – as of March 31, 2009)

Original Repo Maturities	Repo Outstanding	Interest Rate	WA Days to Maturity
30 Days or less	$724.6	0.77%	16 Days
31 – 59 Days	1,020.7	0.83%	20 Days
60 – 90 Days	74.6	0.81%	19 Days
Greater than 90 Days	29.6	1.00%	64 Days
Total / Wtd Avg	$1,849.5	0.81%	19 Days

Swap Term	Notional Amount	Pay Rate	Receive Rate	Average Maturity
1 – 2 Years	$350.0	3.43%	0.53%	1.1 years
3 – 4 Years	150.0	2.59%	0.49%	3.1 years
4 – 5 Years	200.0	2.93%	0.54%	4.7 years
Total / Wtd Avg	$700.0	3.10%	0.53%	2.6 years

American Capital Agency

* Leverage calculated as total repurchase agreements ($1,849 MM) plus payable for agency securities purchased but not yet settled ($207 MM) less receivable for agency securities sold but not yet settled ($38 MM) over total stockholders' equity ($289 MM).

Business Economics

(unaudited)	As of 3/31/09	Q1 2009	Q4 2008	Q3 2008
Asset Yield	4.52%	5.13%	4.24%	5.50%
Cost of Funds	(1.79)%	(2.03)%	(3.05)%	(2.45)%
Cost of Funds – Terminated Swap Amortization Expense*	(0.26)%	(0.08)%	(0.00)%	(0.00)%
Net Interest Rate Spread	**2.47%**	**3.02%**	**1.19%**	**3.05%**
Leverage	**7.0x****	**5.6x**	**5.1x**	**6.8x**
Leveraged Net Interest Rate Spread	17.25%	16.96%	6.11%	20.74%
Plus: Asset Yield	4.52%	5.13%	4.24%	5.50%
Gross ROE Before Expenses	**21.77%**	**22.09%**	**10.35%**	**26.24%**
Other Income, Net	**--**	**5.54%**	**9.32%**	**5.56%**
Management Fees as a % of Equity	(1.25)%	(1.34)%	(1.39)%	(1.37)%
Other Operating Expenses as a % of Equity	(2.06)%	(2.17)%	(1.82)%	(2.13)%
Total Operating Expenses as a % of Equity	**(3.31)%**	**(3.51)%**	**(3.21)%**	**(3.50)%**
Net Return on Equity	**18.46%**	**24.12%**	**16.46%**	**28.30%**

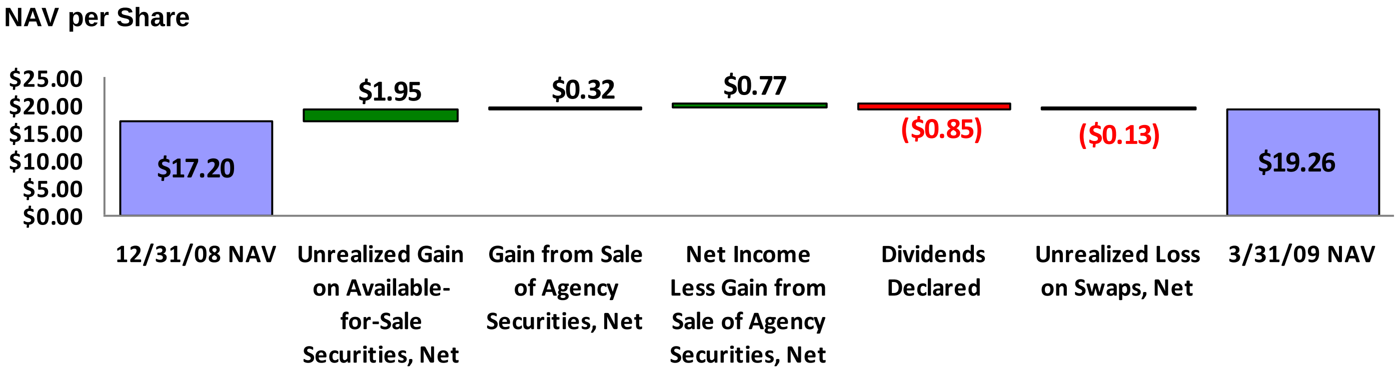
* Represents amortization expense associated with the termination of swaps ($1.3 MM per quarter as of 3/31/09 and $0.3 MM for Q1 2009).

** Leverage calculated as total repurchase agreements ($1,849 MM) plus payable for agency securities purchased but not yet settled ($207 MM) less receivable for agency securities sold but not yet settled ($38 MM) over total stockholders' equity ($289 MM).

Stockholders' Equity

($ in millions, except per share data) **Roll Forward of Stockholders' Equity**	**$'s**	**Per Share**
Balance – December 31, 2008	**$258.2**	**$17.20**
Unrealized Gain on Available-for-Sale Securities, Net	29.3	1.95
Gain from Sale of Agency Securities, Net	4.8	0.32
Net Income Less Gain from Sale of Agency Securities, Net	11.5	0.77
Dividends Declared	(12.8)	(0.85)
Unrealized Loss on Swaps, Net	(2.0)	(0.13)
Balance – March 31, 2009 (unaudited)	**$289.0**	**$19.26**

Components of Stockholders' Equity per Share



Prepayment Sensitivity

- **Prudent to accept incremental prepayment exposure rather than take additional extension risk**
  - ✓ Current monetary and fiscal policies may result in rising rates
  - ✓ The downside risk of new, low-coupon agency securities is not easily quantified
  - ✓ Returns on low-coupon agency securities has been significantly reduced by massive FRB purchases

- **Our base case weighted average life (WAL) CPR assumptions factor in substantially higher prepayments over the next 12 months**
  - ✓ At 140% of the WAL CPR, our portfolio generates a 3.93% blended yield
  - ✓ Asset selection strategies mitigate prepay risk

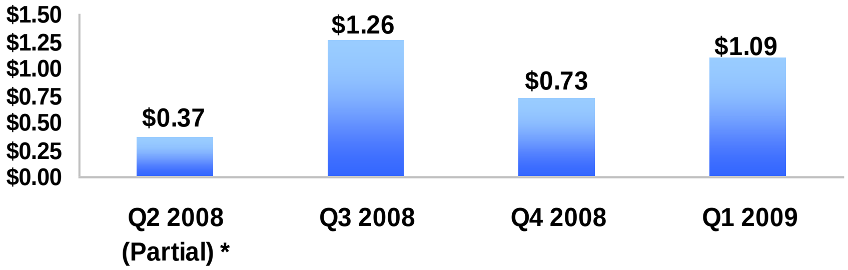
Prepay Sensitivities	CPR Multiplier (as of 3/31/09)				
	60%	80%	Actual as of 3/31/09	120%	140%
Estimated WAL CPR	18.6%	24.8%	31.0%	37.2%	43.4%
Blended Asset Yield*	**5.11%**	**4.82%**	**4.52%**	**4.22%**	**3.93%**

American Capital Agency

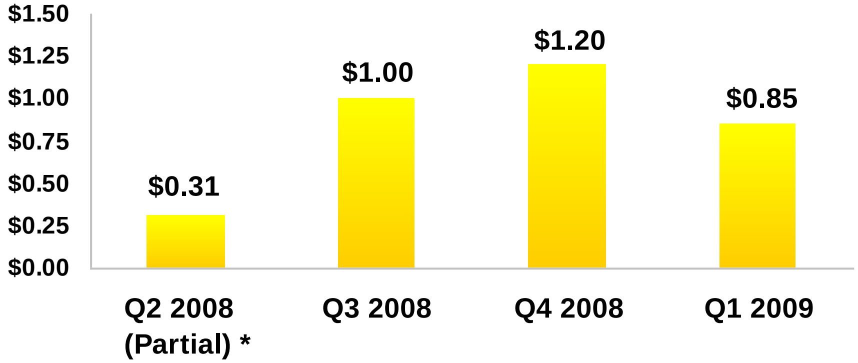
* At our cost basis as of March 31, 2009.

AGNC Historical Overview

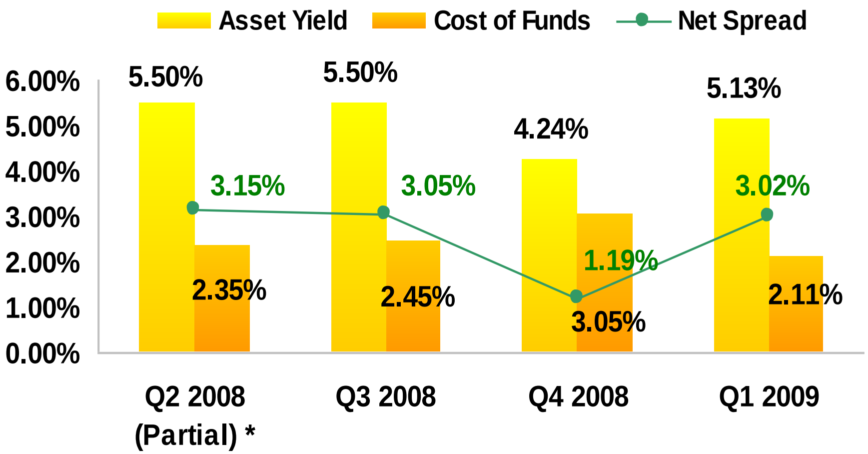
Earnings per Share



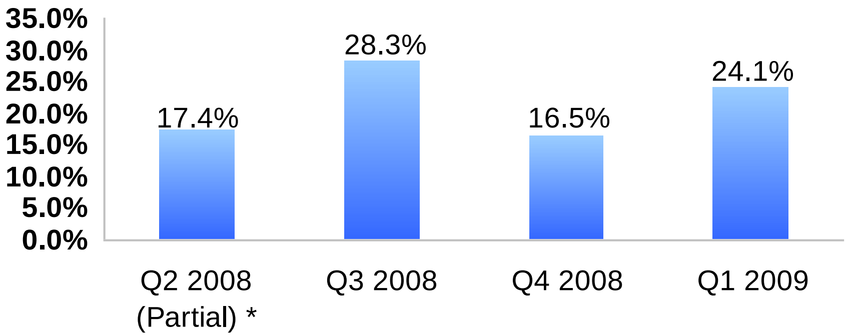
Dividend per Share



Net Spread



Return on Equity



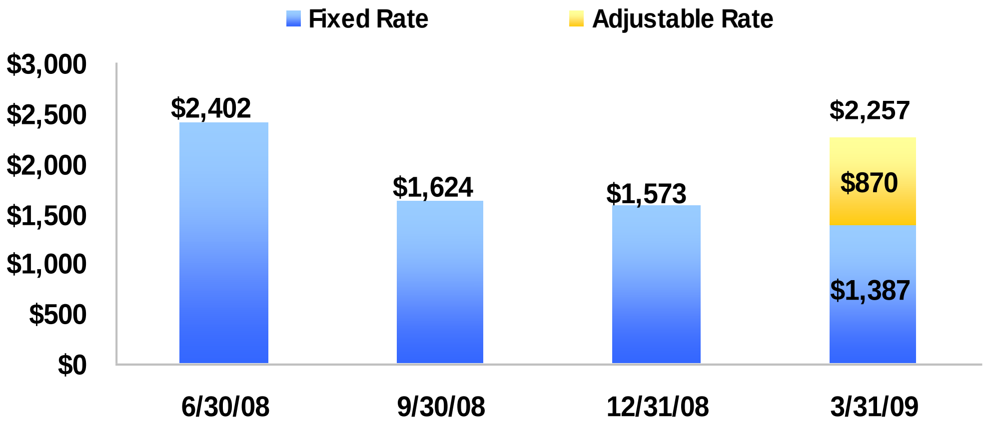
American Capital Agency

* Reflects the shortened "stub" period from the closing of the Company's initial public offering ("IPO") and concurrent private placement on May 20, 2008 through June 30, 2008. On average, the portfolio was deployed for approximately 27 days during the stub period.

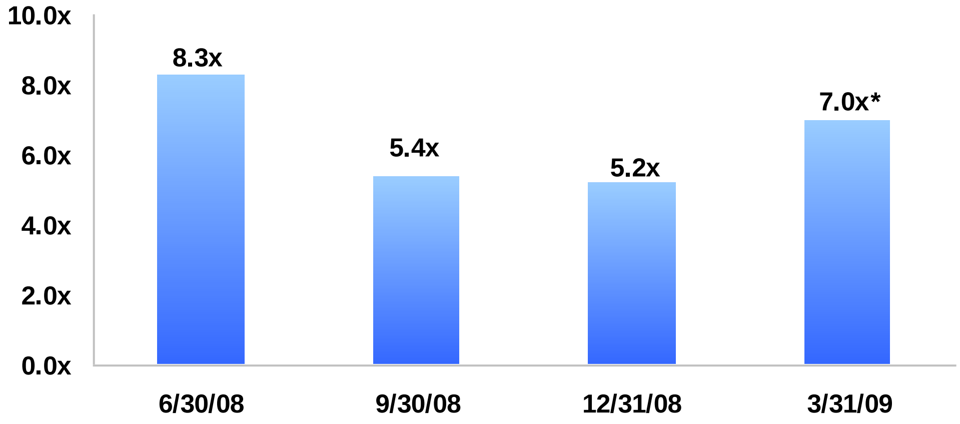
AGNC Historical Overview

($ in millions)

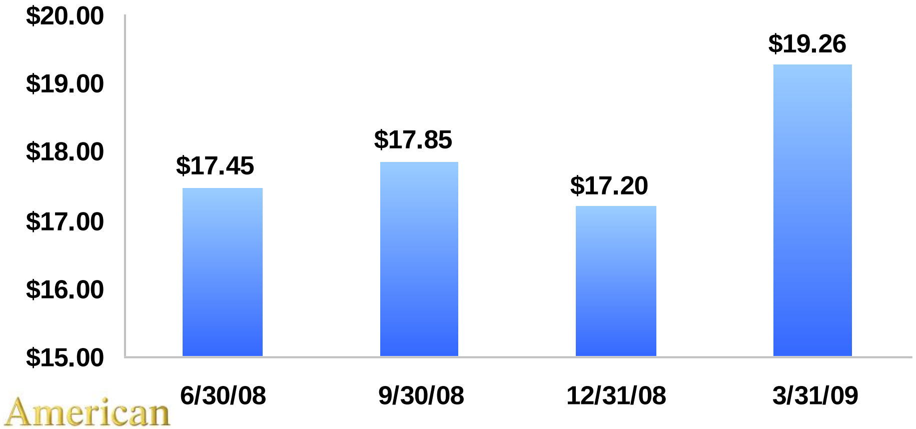
Agency Securities Portfolio



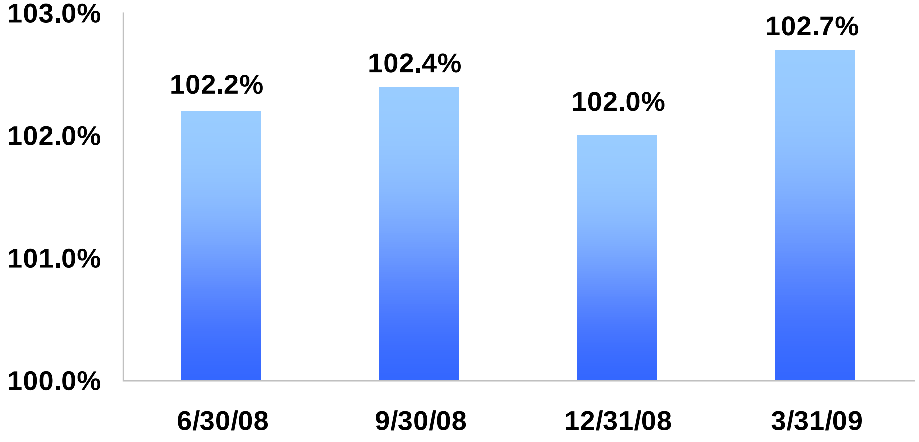
Leverage



Book Value Per Share



Amortized Cost Basis



* Leverage calculated as total repurchase agreements ($1,849 MM) plus payable for agency securities purchased but not yet settled ($207 MM) less receivable for agency securities sold but not yet settled ($38 MM) over total stockholders' equity ($289 MM).

Income Statement

($ in millions, except per share data) (unaudited)	Q1 2009	Q4 2008	Q3 2008
Interest Income	$22.4	$17.1	$28.1
Interest Expense	(8.1)	(10.3)	(11.0)
Net Interest Income	**14.3**	**6.8**	**17.1**
Gain (Loss) from Sale of Agency Securities, Net	4.8	0.0	(0.2)
(Loss) Gain from Derivative Instruments, Net	(0.4)	6.3	4.3
Total Other Income	**4.4**	**6.3**	**4.1**
Management Fee	(0.9)	(0.9)	(0.9)
General and Administrative Expenses	(1.5)	(1.2)	(1.4)
Total Operating Expenses	**(2.4)**	**(2.1)**	**(2.3)**
Net Income	**$16.3**	**$11.0**	**$18.9**
Basic and Diluted Shares Outstanding	15.0	15.0	15.0
Net Income per Share – Basic and Diluted	**$1.09**	**$0.73**	**$1.26**
Temporary Book to Tax Differences:			
Premium Amortization, Net	(0.8)	5.7	0.0
Realized Gain (Loss), Net	(1.9)	3.6	(3.5)
Other*	(0.5)	0.4	0.2
Estimated REIT Taxable Income	**$13.1**	**$20.7**	**$15.6**
Estimated REIT Taxable Income per Share – Basic and Diluted	**$0.87**	**$1.38**	**$1.04**
Dividends per Share	**$0.85**	**$1.20**	**$1.00**
Estimated Cumulative Undistributed REIT Taxable Income per Share	**$0.31**	**$0.29**	**$0.11**

American Capital Agency

* Other temporary book to tax differences consist of non-deductible adjustments to record hedge ineffectiveness for GAAP, start-up and organization costs and stock compensation expense.

Balance Sheet

($ in millions, except per share data)	As of 3/31/09 (unaudited)	12/31/08	9/30/08 (unaudited)
Agency Securities, at Fair Value (including pledged assets of $2,060.7, $1,522.0 and $1,500.4, respectively)	$2,257.5	$1,573.4	$1,624.1
Cash and Cash Equivalents ($25.2, $18.7 and $18.9 restricted, respectively)	79.0	74.7	36.0
Derivative Assets, at Fair Value	0.0	0.0	2.9
Receivable for Agency Securities Sold	38.1	0.0	53.5
Other Assets	10.7	8.2	9.0
Total Assets	**$2,385.3**	**$1,656.3**	**$1,725.5**
Repurchase Agreements	$1,849.5	$1,346.3	$1,434.4
Payable for Agency Securities Purchased	207.2	0.0	0.0
Derivative Liabilities, at Fair Value	24.4	29.3	5.1
Dividend Payable	12.8	18.0	15.0
Other Liabilities	2.4	4.5	3.1
Total Liabilities	**2,096.3**	**1,398.1**	**1,457.6**
Stockholders' Equity	289.0	258.2	267.9
Total Liabilities and Stockholders' Equity	**$2,385.3**	**$1,656.3**	**$1,725.5**
Leverage	7.0x *	5.2x	5.4x
Equity to MBS Portfolio	12.8%	16.4%	16.5%
Book Value Per Share	$19.26	$17.20	$17.85

American Capital Agency

* Leverage calculated as total repurchase agreements ($1,849 MM) plus payable for agency securities purchased but not yet settled ($207 MM) less receivable for agency securities sold but not yet settled ($38 MM) over total stockholders' equity ($289 MM).

30- and 40-Year Fixed Rate Portfolio

- **Majority of our holdings are 30- or 40-year agency pass-through securities that have loan characteristics that we believe will improve the prepayment profile of our securities**

30-Year Fixed Rate Agency Securities – TBA Eligible Securities *($ in Millions – as of March 31, 2009)*

	Lower Loan Balance*		2005 and Earlier Vintages		2006 and 2007 Vintages		2008 and 2009 Vintages		Sub Total	
Coupon	Market Value	Actual 1M CPR	Market Value	Actual 1M CPR	Market Value	Actual 1M CPR	Market Value	Actual 1M CPR	Market Value	Actual 1M CPR
5.5%	$ 11	0.1%	$ 67	23.4%	$ –	–	$ –	–	$ 78	20.0%
6.0%	223	19.9%	–	–	68	25.4%	15	0.1%	306	20.1%
6.5%	–	–	–	–	–	–	–	–	–	–
> 6.5%	–	–	–	–	–	–	–	–	–	–
Total	**$ 234**	**19.0%**	**$ 67**	**23.3%**	**$ 68**	**25.4%**	**$ 15**	**0.1%**	**$ 384**	**20.1%**
% of Total Fixed Rate	**17%**		**5%**		**5%**		**1%**		**28%*****	

30- and 40-Year Fixed Rate Agency Securities – Non-TBA Eligible Securities *($ in Millions – as of March 31, 2009)*

	Interest Only (10/20) Securities		40-Year Securities		Other Securities**		Sub Total	
Coupon	Market Value	Actual 1M CPR	Market Value	Actual 1M CPR	Market Value	Actual 1M CPR	Market Value	Actual 1M CPR
5.5%	$ 10	1.1%	$ –	–	$ –	–	**$ 10**	**1.1%**
6.0%	672	12.9%	148	7.2%	41	9.8%	**861**	**11.8%**
6.5%	–	–	23	10.4%	7	0%	**30**	**7.9%**
> 6.5%	6	13.5%	39	3.7%	–	–	**45**	**5.1%**
Total	**$ 688**	**12.7%**	**$ 210**	**6.9%**	**$ 48**	**8.3%**	**$ 946**	**11.2%**
% of Total Fixed Rate	**50%**		**15%**		**3%**		**68%*****	

* Lower loan balance pools are defined as having a maximum loan balance in the underlying pool of not more than $175,000 with most below $150,000. The lower balance loans includes loans from all vintages. However, those loans are excluded from the specific vintage buckets. The average loan size underlying these securities is $133,770.

** Other securities include non-TBA eligible agency securities such as those with collateral consisting of mortgages with prepayment penalties or irregular payment frequencies.

*** Does not total 100% as 15-year fixed rate agency securities are not included in this analysis.