



Q4 2009 Stockholder Presentation

February 8, 2010

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/A for the period from May 20, 2008 (commencement of operations) through December 31, 2008, and our quarterly report on Form 10-Q for the quarter ended September 30, 2009. Historical results discussed in this presentation are not indicative of future results.

Overview of AGNC

Structure and Investment Objective

- ◆ Externally-managed Agency REIT (Nasdaq: AGNC)
 - ◆ Committed to Generating Attractive Risk Adjusted Returns While Balancing Book Value Preservation
 - ◆ 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 by Investing Throughout the Agency Securities Market
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Leverage and Capitalization

- ◆ Leverage of 7.3x as of 12/31/09*
- ◆ Repurchase Agreements with 18 Global Financial Institutions as of 12/31/09

* Leverage calculated as total repurchase agreements plus payable for agency securities purchased but not yet settled less receivable for agency securities sold but not yet settled divided by total stockholders' equity.

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**

Committed to Generating Attractive Risk Adjusted Returns While Balancing Book Value Preservation

Q4 2009 Highlights

- ◆ **\$1.79 per Share of Net Income***
 - ✓ Includes \$0.78 per share of other income, net of excise tax
- ◆ **\$1.69 per Share of Taxable Income***
- ◆ **\$1.40 per Share Dividend Declared**
- ◆ **Undistributed Taxable Income Increased \$4.4 MM from September 30, 2009**
 - ✓ \$0.90 per share of undistributed taxable income as of December 31, 2009
- ◆ **\$127 MM of Net Proceeds Raised in a Follow-on Offering**
- ◆ **30.3% Annualized ROE****
 - 19.4% annualized ROE, net of other income and excise tax
- ◆ **2.63% Annualized Net Interest Rate Spread**
- ◆ **\$4.3 B Investment Portfolio as of December 31, 2009**
- ◆ **7.3x Leverage as of December 31, 2009*****
- ◆ **\$22.48 Book Value per Share as of December 31, 2009**
 - ✓ Increased \$0.25 per share from September 30, 2009

2009 Highlights

- ◆ **48% Total Return to Shareholders**
- ◆ **\$6.78 per Share of Net Income***
 - ✓ Includes \$2.59 per share of other income, net of excise tax
- ◆ **31.8% ROE**
 - ✓ 21.6% ROE, net of other income and excise tax
- ◆ **\$5.15 per Share Dividends Declared**
- ◆ **\$5.28 Increase in Net Book Value per Share**
- ◆ **61% Economic Return****
- ◆ **\$222 MM of Net Proceeds Raised in Follow-on Offerings**
- ◆ **Strategically Managed Portfolio Through Evolving Prepayment Landscape**
 - ✓ Early in the year increased leverage by selectively purchasing higher coupon ARM and fixed-rate securities
 - ✓ Our portfolio CPR's remained considerably slower than expectations and significantly outperformed more generic securities
 - ✓ Late in the year, we proactively sold higher coupon securities which allowed AGNC to lock in significant gains while reducing prepayment exposure in particular with respect to GSE buyouts.
- ◆ **Significantly Increased the Size and Duration of the Swap Book to Protect Against a Rise in Interest Rates**
 - ✓ Benefited from strategic decision to terminate 1 year swaps and replace them with 2 to 5 year maturities as the yield curve steepened significantly during 2009
 - ✓ Ended the year with 53% of our repo balances swapped with a 2.8 year average maturity

Market Commentary

Security*	3/31/09	6/30/09	9/30/09	12/31/09	Q4 2009 Change	Coupon*	3/31/09	6/30/09	9/30/09	12/31/09	Q4 2009 Change
2 Yr UST	0.80%	1.11%	0.95%	1.14%	.19%	Fixed Rate (30 Years)*					
5 Yr UST	1.66%	2.56%	2.31%	2.68%	.37%	4.0%	100.53	96.98	99.05	96.64	-2.41
10 Yr UST	2.67%	3.54%	3.31%	3.84%	.53%	5.0%	103.19	101.77	103.30	102.67	-0.63
						6.0%	104.44	104.52	105.52	106.02	+0.50
2 Yr Swap	1.38%	1.53%	1.29%	1.42%	.13%	Hybrid ARMs**					
5 Yr Swap	2.21%	2.97%	2.65%	2.98%	.33%	4.0% 60 MTR	101.88	102.00	103.75	102.69	-1.06
10 Yr Swap	2.86%	3.78%	3.46%	3.97%	.51%	6.0% 36 MTR	104.00	105.25	106.06	105.81	-0.25

- ◆ **Interest Rates Rose Significantly in December Hurting Mortgage Prices**
- ◆ **Higher Coupon Fixed Rate Securities were Still Slightly Higher for the Quarter While Lower Coupons were Significantly Lower in Price**
 - ✓ Since quarter end, mortgages have appreciated significantly
- ◆ **Lower Coupon Hybrid ARMs were Down Over a Point for the Quarter. Higher Coupon ARMs were Also Down Marginally with the Best Performing Sectors Being Shorter Reset ARMs and Seasoned 7/1 and 10/1s**
 - ✓ During January, most sectors of the ARM market have performed well

* Source: Bloomberg

** Source: Agency Hybrid ARM securities were priced using the median of several dealer indications

Q4 2009 Portfolio Update

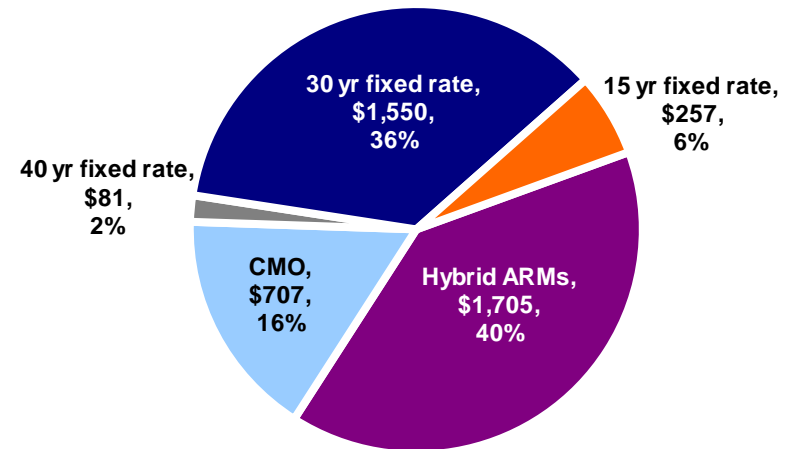
◆ \$4.3 B Investment Portfolio as of 12/31/09

- ✓ **Reduced overweight to hybrid ARMs, by diversifying portfolio, minimizing exposure to GSE Buyouts**
 - Reduced hybrid ARM position by \$199 MM, despite overall portfolio growth, and reduced exposure to higher coupon, IO ARMs
 - Selectively added lower coupon 30 year and 15 year fixed-rate securities
 - Structured many of our highest coupon assets into CMO classes with structural protection from short term prepayment spikes
- ✓ **Proactively addressed exposure to rising rates**
 - Increased swap position by \$650 MM in conjunction with increase in portfolio size and addition of lower coupon securities
 - Purchased the option to enter into \$300 MM in swaps (“swaptions”) intended to further protect against large interest rate moves

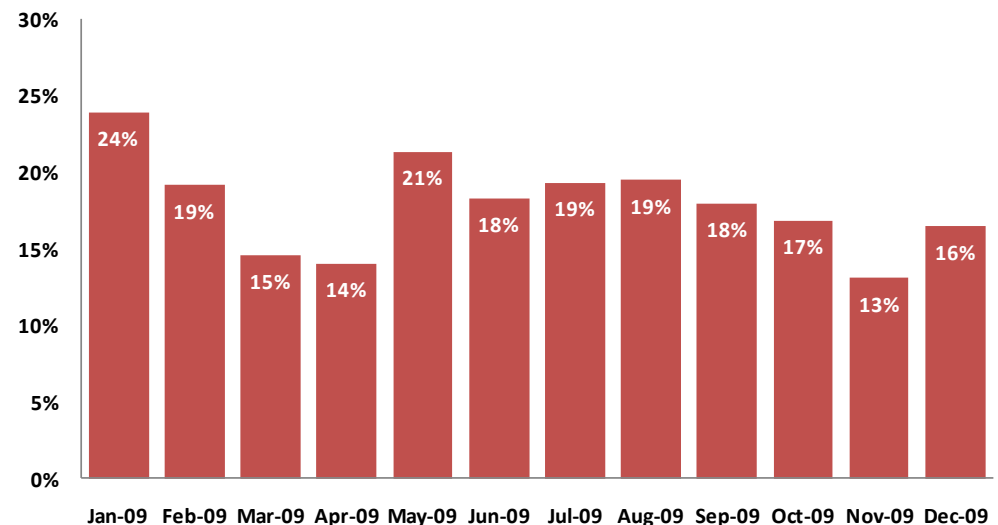
◆ Prepayment Speeds on AGNC’s Portfolio Remained Contained Throughout the Quarter

- ✓ **Q4 speeds slowed on average 3 CPR despite a significant pickup in FNMA speeds in December**

\$4.3 B Portfolio as of 12/31/09 (\$ in millions)



Actual 1 Month CPR*



* 1 month CPRs based on factors issued the following month for securities held as of month-end

Fixed Rate Agency Securities

- ◆ **Our Fixed-Rate Portfolio Continued to Prepay Well Below Generic Securities Despite the Drop in Rates and Faster Speeds on the Mortgage Universe**
 - ✓ Our speeds averaged only 16.6% in December versus 27.4% on 30 year 5.5s (approximately 40% slower)
- ◆ **Reduced Exposure to GSE Buyouts in Higher Coupon Fixed-Rate Securities**
 - ✓ Majority of our fixed-rate securities are TBA eligible, which enhances our liquidity profile

AGNC Fixed Rate MBS

(\$ in millions – as of December 31, 2009)

<i>\$ in millions</i>							Generic Prepay Speeds	
Coupon	Par Value	Market Value	% Total	Amortized Cost Basis	Average WAC*	Actual 1 Month CPR**	Fannie '08 1 Month CPR***	Ginnie '08 1 Month CPR***
< 5.0%	\$127	\$131	7%	103.7%	4.86%	5.6%	14.3%	18.5%
5.0%	788	814	43%	103.3%	5.45%	15.8%	22.1%	37.2%
5.5%	266	280	15%	104.1%	5.95%	16.1%	27.4%	53.7%
6.0%	588	623	33%	102.3%	6.64%	20.4%	28.9%	56.7%
≥ 6.5%	38	40	2%	103.9%	7.07%	13.7%	28.0%	54.9%
Total	\$1,807	\$1,888	100%	103.1%	5.91%	16.6%		

* Average WAC represents the weighted average coupon of the underlying collateral. The weighted average coupon of the fixed-rate securities held as of December 31, 2009 was 5.40%.

** As of January 1, 2010 for agency securities held as of December 31, 2009

*** Source: Wall Street Investment banks and filings from Fannie Mae and Freddie Mac

Hybrid ARM Securities

- ◆ **Our ARM Prepayment Speeds Continued to Significantly Outperform the Universe of Hybrid ARMs**
 - ✓ Our portfolio prepaid at 18.2% versus 27.5% for FNMA 5/1s (approximately 34% slower)
- ◆ **Continued to Reduce the Percentage of Higher Coupon and IO Securities in an Effort to Protect Against the Potential for Increased GSE Buyouts**
 - ✓ Lowered average coupon 26 bps to 5.17%
 - ✓ Lowered % of IO securities by 22 percentage points to 30%
- ◆ **Remaining Higher Coupon ARMs are Concentrated in 2005 and Earlier Vintages and Longer Reset Hybrids that Offer Prepayment Protection Under Most Scenarios**

AGNC Hybrid ARMs								
(\$ in millions – as of December 31, 2009)								
Coupon	Par Value	Market Value	% Total	Amortized Cost Basis	Average Coupon	Average Age	% Interest Only	Actual 1 Month CPR*
0%-4.9%	\$539	561	33%	103.7%	4.71%	39	30%	4.7%
5.0%-6.0%	1,037	1,092	64%	105.0%	5.36%	44	27%	24.6%
6.0%-6.5%	49	52	3%	104.5%	6.15%	31	71%	29.0%
Total	\$1,625	\$1,705	100%	104.6%	5.17%	42	30%	18.2%

Reset	Market Value	% Total	Average Reset	Average Coupon
0-23 Months	\$24	1%	18	5.19%
24-35 Months	253	15%	31	5.20%
36-60 Months	648	38%	45	5.07%
> 60 Months	780	46%	82	5.24%
Total	\$1,705	100%	59	5.17%

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

* As of January 1, 2010 for agency securities held as of December 31, 2009.

Financing Summary

As of December 31, 2009

- ◆ **Repurchase Agreements with 18 Global Financial Institutions**
- ◆ **7.0 Leverage**
 - ✓ 7.3x Leverage including net payable for unsettled purchases and sales of securities
- ◆ **0.24% Weighted Average Repo Cost of Funds**
 - ✓ Decreased 11 bps from 0.35% as of September 30, 2009

AGNC Repos			
<i>(\$ in millions – as of December 31, 2009)</i>			
Original Repo Maturities	Repo Outstanding	Interest Rate	WA Days to Maturity
30 Days or less	\$ 1,997.3	0.22%	15 Days
31 – 60 Days	967.6	0.25%	20 Days
61 – 90 Days	327.9	0.28%	40 Days
Greater than 90 Days	549.0	0.27%	52 Days
Total / Wtd Avg	\$ 3,841.8	0.24%	24 Days

Hedging Summary

◆ \$2.1 B Notional Swap Book as of December 31, 2009

- ✓ Increased swap book by \$650 MM due to the increase in the portfolio and the addition of lower coupon securities
- ✓ 2.8 year average maturity of the swap book
- ✓ 53% of repo balance hedged
 - Approximately 60% including payer swaptions

◆ \$300 MM in Swaptions Added to Help Mitigate Convexity Risk

- ✓ \$200 MM in payer swaptions
- ✓ \$100 MM in receiver swaptions

AGNC Interest Rate Swaps

(\$ in millions – as of December 31, 2009)

Original Swap Term	Notional Amount	Pay Rate	Receive Rate	WA Years to Maturity
1 Year	\$ 250	1.51%	0.23%	1.5
2 – 3 Years	1,300	1.86%	0.23%	2.3
4 – 5 Years	500	2.53%	0.23%	4.6
Total / Wtd Avg	\$ 2,050	1.98%	0.23%	2.8

AGNC Interest Rate Swaptions

(\$ in millions – as of December 31, 2009)

Swaption	Option		Underlying Swap			
	Cost	Months to Expiration	Notional Amount	Pay Rate	Receive Rate	Term (Years)
Payer	\$ 2.2	10	\$ 200	4.23%	1M Libor	5.0
Receiver	\$ 0.2	2	\$ 100	1M Libor	2.54%	5.0

Business Economics

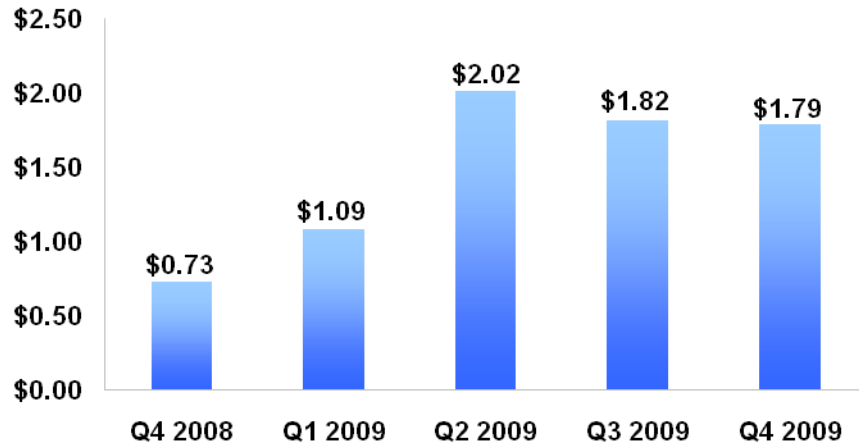
(unaudited)	As of 12/31/09	As of 9/30/09	Q4 2009	Q3 2009	Q2 2009	Q1 2009
Asset Yield	3.99%	4.13%	4.20%	4.38%	5.35%	5.13%
Cost of Funds	(1.17)%	(1.20)%	(1.17)%	(1.16)%	(1.30)%	(2.03)%
Net Interest Rate Spread before Terminated Swap Expense	2.82%	2.93%	3.03%	3.22%	4.05%	3.10%
Cost of Funds – Terminated Swap Expense*	(0.39)%	(0.48)%	(0.40)%	(0.54)%	(0.50)%	(0.08)%
Net Interest Rate Spread	2.43%	2.45%	2.63%	2.68%	3.55%	3.02%
Leverage**	7.3x	7.3x	6.8x	7.2x	7.0x	5.6x
Leveraged Net Interest Rate Spread	17.77%	17.80%	17.94%	19.15%	24.88%	16.96%
Plus: Asset Yield	3.99%	4.13%	4.20%	4.38%	5.35%	5.13%
Gross ROE Before Expenses	21.76%	21.93%	22.14%	23.53%	30.23%	22.09%
Other Income, Net	--%	--%	10.83%	12.19%	12.86%	5.54%
Management Fees as a % of Equity	(1.20)%	(1.15)%	(1.23)%	(1.23)%	(1.23)%	(1.34)%
Other Operating Expenses as a % of Equity	(1.45)%	(1.30)%	(1.47)%	(1.55)%	(2.04)%	(2.17)%
Total Operating Expenses as a % of Equity	(2.65)%	(2.45)%	(2.70)%	(2.78)%	(3.27)%	(3.51)%
Net Return on Equity	19.11%	19.48%	30.27%	32.94%	39.82%	24.12%

* Represents amortization expense associated with the termination of interest rate swaps during 2009 (\$16.6 million total cost with \$3.7 million, \$3.7 million, \$2.7 million and \$0.3 million expensed in Q4 2009, Q3 2009, Q2 2009 and Q1 2009, respectively) with the remaining termination fees (\$6.2 million) amortized into GAAP and taxable income over the next two quarters.

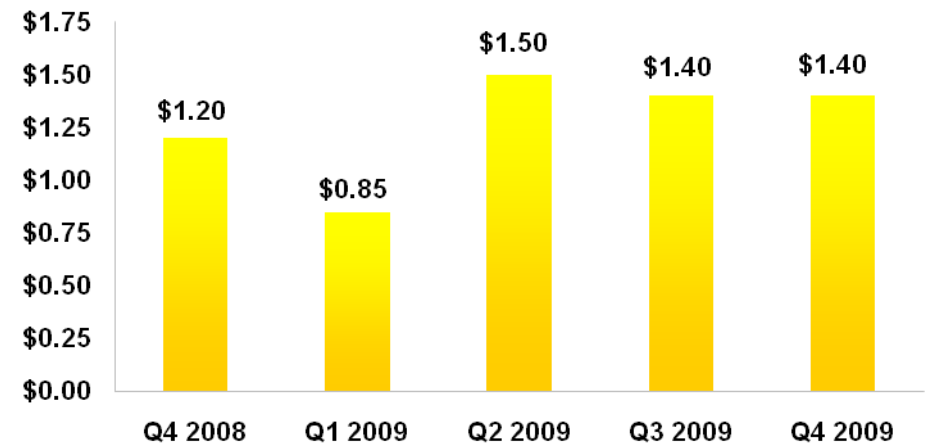
** Leverage calculated as total repurchase agreements plus payable for agency securities purchased but not yet settled less receivable for agency securities sold but not yet settled divided by total stockholders' equity.

AGNC Historical Overview

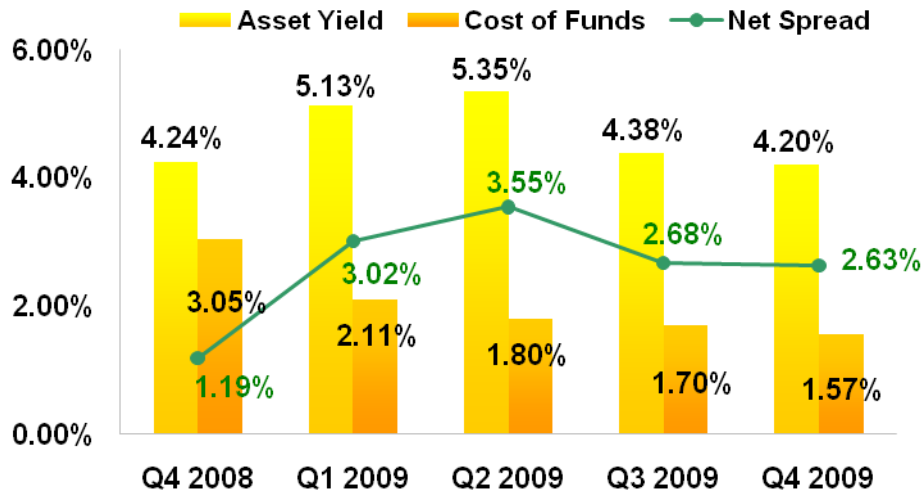
Earnings per Share



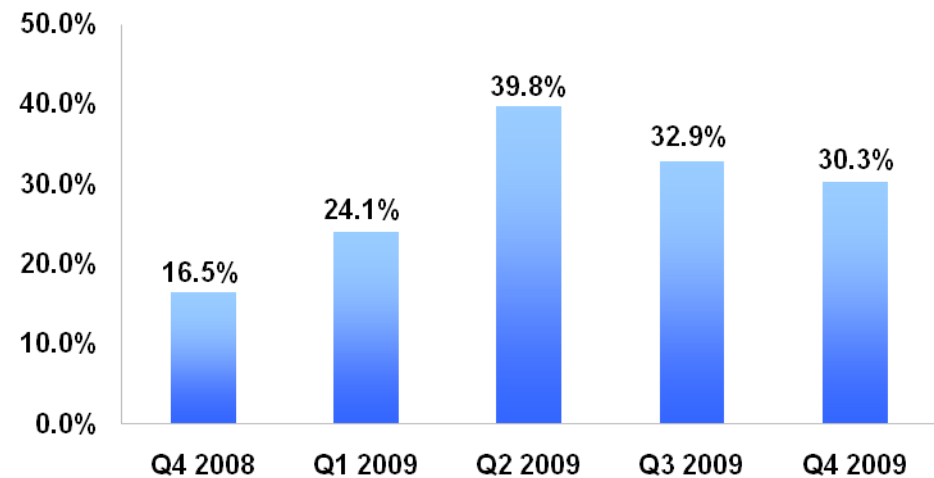
Dividend per Share



Net Spread

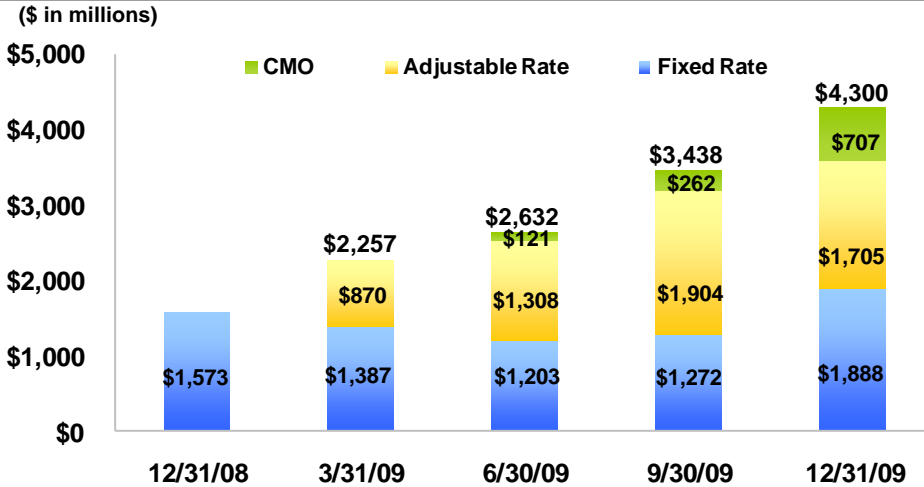


Return on Equity

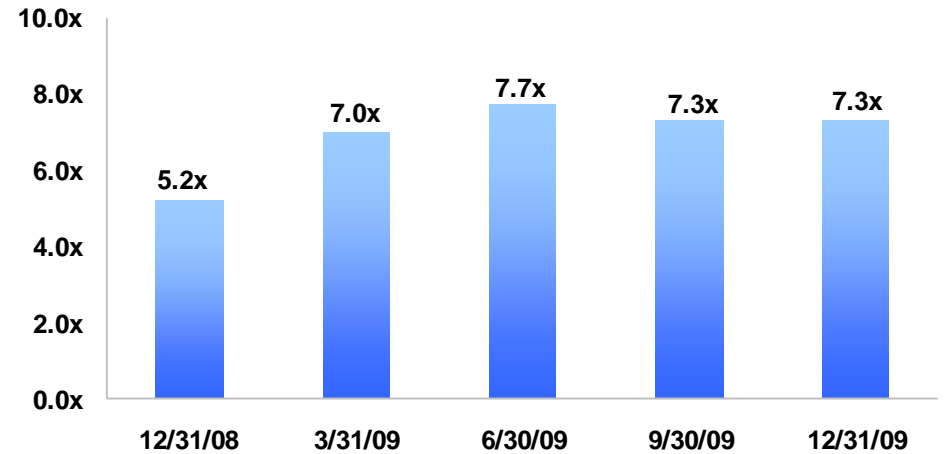


AGNC Historical Overview

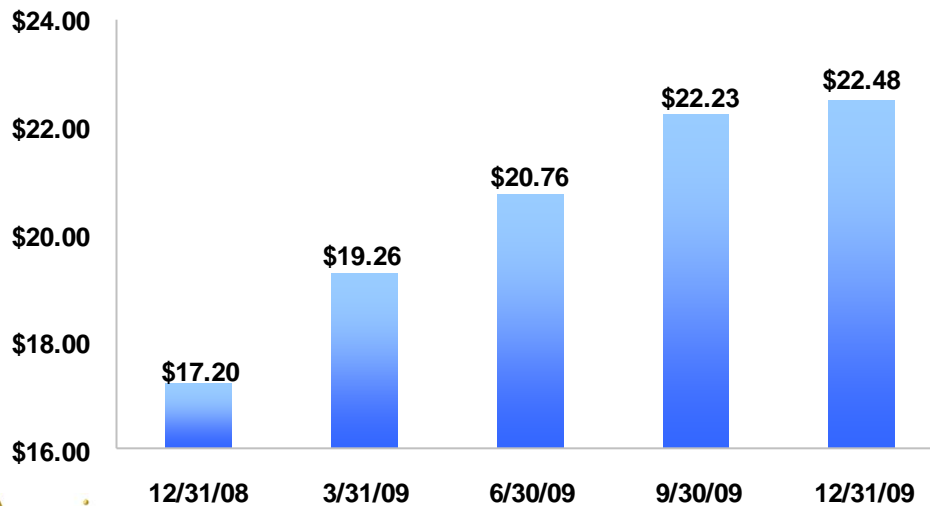
Investment Portfolio



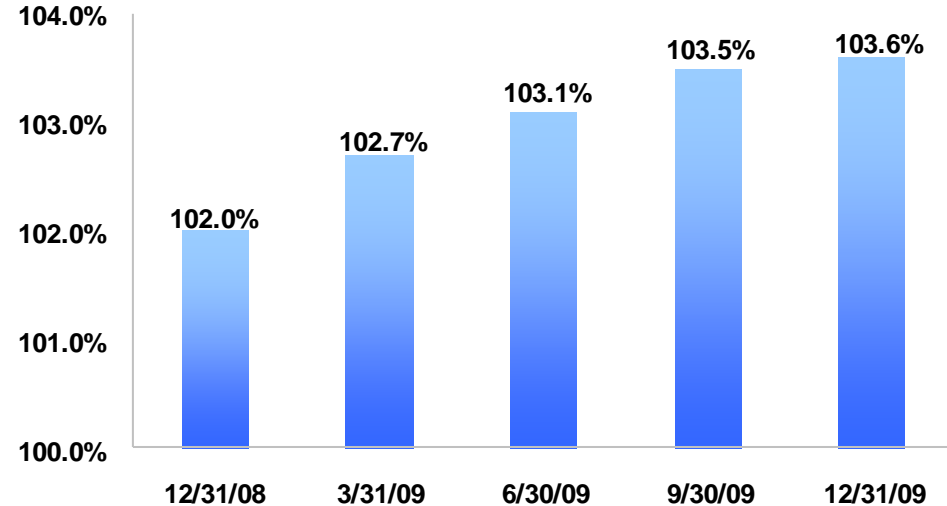
Leverage*



Book Value Per Share



Amortized Cost Basis



* Leverage calculated as total repurchase agreements plus payable for agency securities purchased but not yet settled less receivable for agency securities sold but not yet settled divided by total stockholders' equity.

Income Statements

(\$ in millions, except per share data) (unaudited)	Q4 2009	Q3 2009	Q2 2009	Q1 2009
Interest Income	\$41.1	\$32.8	\$31.7	\$22.4
Interest Expense	(14.3)	(11.6)	(9.6)	(8.1)
Net Interest Income	26.8	21.2	22.1	14.3
Gain from Sale of Agency Securities, Net	19.5	16.1	9.5	4.8
(Loss) Gain from Derivative Instruments, Net	(1.6)	(3.4)	1.3	(0.4)
Total Other Income, Net	17.9	12.7	10.8	4.4
Management Fee	(1.7)	(1.2)	(0.9)	(0.9)
General and Administrative Expenses	(2.0)	(1.5)	(1.6)	(1.5)
Total Operating Expenses	(3.7)	(2.7)	(2.5)	(2.4)
Income before excise tax	41.0	31.2	30.4	16.3
Excise tax	(0.3)	--	--	--
Net Income	\$40.7	\$31.2	\$30.4	\$16.3
Weighted Average Shares Outstanding – Basic and Diluted	22.7	17.2	15.0	15.0
Net Income per Share – Basic and Diluted	\$1.79	\$1.82	\$2.02	\$1.09
Dividends Declared per Share	\$1.40	\$1.40	\$1.50	\$0.85

Note: Total quarterly net income per share may not agree to total annual net income per share due to rounding. Amounts may not foot due to rounding.

* Based on shares outstanding as of December 31, 2009.

Reconciliation of Taxable Income

(\$ in millions, except per share data) (unaudited)	Q4 2009	Q3 2009	Q2 2009	Q1 2009
Net Income	\$40.7	\$31.2	\$30.4	\$16.3
Book to Tax Differences:				
Premium Amortization, Net	3.2	3.1	(0.6)	(0.8)
Realized (Loss) Gain, Net	(5.7)	(2.1)	--	(1.9)
Other*	0.3	0.2	--	(0.5)
Total Book to Tax Differences	(2.2)	1.2	(0.6)	(3.2)
Estimated REIT Taxable Income	\$38.5	\$32.4	\$29.8	\$13.1
Weighted Average Shares Outstanding – Basic and Diluted	22.7	17.2	15.0	15.0
Estimated REIT Taxable Income per Share – Basic and Diluted	\$1.69	\$1.89	\$1.98	\$0.87
Estimated Cumulative Undistributed REIT Taxable Income per Share**	\$0.90	\$0.90	\$0.62	\$0.24

Note: Amounts may not foot due to rounding

* Other book to tax differences include temporary differences for non-deductible adjustments, such as GAAP ineffectiveness, start-up/organization costs and stock compensation expense, and permanent differences for non-deductible excise tax expense

** Based on shares outstanding as of December 31, 2009

Estimated Undistributed Taxable Income*

- ◆ **\$0.90 Per Share of Undistributed Taxable Income as of December 31, 2009**
 - ✓ Undistributed taxable income increased \$4.4 MM from September 30, 2009
 - ✓ Accrued a \$0.3 MM excise tax

- ◆ **AGNC Will Distribute Remaining 2009 Taxable Income in 2010 in Accordance with REIT Distribution Requirements**

Reconciliation of Estimated Undistributed Taxable Income

<i>(\$ in millions, except per share)</i>	\$ Amt	Per Share
2008 Undistributed Taxable Income	\$4.3	\$0.18
YTD 2009 Ordinary Taxable Income	\$77.2	\$3.18
YTD 2009 Net Capital Gains	<u>36.6</u>	<u>1.50</u>
YTD 2009 Estimated Taxable Income	\$113.8	4.68
YTD 2009 Dividends Declared or Paid	(\$96.4)	(\$3.96)
Estimated Undistributed Taxable Income as of December 31, 2009	\$21.7	\$0.90

* Per share amounts based on 24.3 million shares outstanding as of December 31, 2009.

Balance Sheets

(\$ in millions, except per share data)	As of *				
	12/31/09	9/30/09	6/30/09	3/31/09	12/31/08
Agency Securities, at Fair Value (including pledged assets of \$4,136.6, \$3,189.8, \$2,535.2, \$2,060.7 and \$1,522.0, respectively)	\$4,300.1	\$3,438.1	\$2,631.9	\$2,257.5	\$1,573.4
Cash and Cash Equivalents (\$19.6, \$9.7, \$5.2, \$25.2 and \$18.7 restricted, respectively)	222.4	113.3	74.4	79.0	74.7
Derivative Assets, at Fair Value	12.0	--	3.3	--	--
Receivable for Agency Securities Sold	47.1	84.9	73.5	38.1	--
Receivable from Prime Broker	20.5	22.7	7.8	--	--
Other Assets	23.6	21.1	12.9	10.7	8.2
Total Assets	\$4,625.7	\$3,680.1	\$2,803.8	\$2,385.3	\$1,656.3
Repurchase Agreements	\$3,841.8	\$2,949.0	\$2,346.9	\$1,849.5	\$1,346.3
Payable for Agency Securities Purchased	180.3	254.3	110.9	207.2	--
Derivative Liabilities, at Fair Value	17.8	17.5	9.8	24.4	29.3
Dividend Payable	34.1	27.1	22.5	12.8	18.0
Other Liabilities	4.9	2.7	2.3	2.4	4.5
Total Liabilities	4,078.9	3,250.6	2,492.4	2,096.3	1,398.1
Stockholders' Equity	546.8	429.5	311.4	289.0	258.2
Total Liabilities and Stockholders' Equity	\$4,625.7	\$3,680.1	\$2,803.8	\$2,385.3	\$1,656.3
Leverage **	7.3x	7.3x	7.7x	7.0x	5.2x
Equity to Agency Securities Portfolio	12.7%	12.5%	11.8%	12.8%	16.4%
Book Value Per Share	\$22.48	\$22.23	\$20.76	\$19.26	\$17.20

* Unaudited except for 12/31/08

** Leverage calculated as total repurchase agreements plus payable for agency securities purchased but not yet settled less receivable for agency securities sold but not yet settled divided by total stockholders' equity.

Book Value

Roll Forward of Net Book Value Per Share*

Balance – September 30, 2009 (unaudited)	\$22.23
Unrealized Loss on Available-for-Sale Securities, Net	(1.07)
Unrealized Gain on Swaps, Net	0.41
Net Income Less Other Income and Less Expense from Terminated Swaps, Net	1.10
Other Income, Net	0.73
Expense from Terminated Swaps	(0.15)
Dividends Declared	(1.40)
Accretion from Issuance of Common Stock	0.63
Balance – December 31, 2009 (unaudited)	\$22.48