



ARMOUR

RESIDENTIAL REIT

ARMOUR RESIDENTIAL REIT, Inc.

Company Update

December 19, 2014

PLEASE READ: Important Regulatory and Yield Estimate Risk Disclosures

Certain statements made in this presentation regarding ARMOUR Residential REIT, Inc. (“ARMOUR” or the “Company”), and any other statements regarding ARMOUR’s future expectations, beliefs, goals or prospects constitute forward-looking statements made within the meaning of Section 21E of the Securities Exchange Act of 1934. Any statements that are not statements of historical fact (including statements containing the words “believes,” “plans,” “anticipates,” “expects,” “estimates” and similar expressions) should also be considered forward-looking statements. Forward-looking statements include but are not limited to statements regarding the projections for ARMOUR’s business and plans for future growth and operational improvements. A number of important factors could cause actual results or events to differ materially from those indicated by such forward-looking statements. ARMOUR assumes no obligation to update the information in this communication, except as otherwise required by law. Readers are cautioned not to place undue reliance on these forward-looking statements, which speak only as of the date hereof.

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Actual realized yields, durations and net durations described herein will depend on a number of factors that cannot be predicted with certainty. Estimated yields do not reflect any of the costs of operation of ARMOUR.

THE INFORMATION PRESENTED HEREIN IS UNAUDITED AND UNREVIEWED.



ARMOUR Capitalization, Dividend Policy, Transparency and Manager

Market Capitalization

- 357,284,921 shares of common stock outstanding (NYSE: “ARR”).
- 2,180,572 shares of Series A Preferred Stock outstanding (NYSE: “ARR PrA”).
- 5,650,000 shares of Series B Preferred Stock outstanding (NYSE: “ARR PrB”).
- Market capitalization of \$1.3 billion of common and \$188.7 million of preferred.

Common Stock Dividend Policy and Taxable REIT Income

- ARMOUR pays common stock dividends monthly.
- Dividends are announced based on estimates of future taxable REIT income.

Transparency and Governance

- Portfolio and liability details are updated monthly at www.armourreit.com.
- Premium amortization is expensed monthly as it occurs. No yield smoothing.
- Hedge positions are marked-to-market daily (GAAP/Tax differences).
- Non-Executive Board Chairman and separate Lead Independent Director.

ARMOUR REIT Manager and Fee Structure

- ARMOUR REIT is externally managed by ARMOUR Residential Management LLC.
- Accretive fee structure: effective fee percentage declines as equity increases.
 - Gross equity raised up to \$1.0 billion, 1.5% (per annum) of gross equity raised.
 - Gross equity raised in excess of \$1.0 billion, 0.75% (per annum) of gross equity raised.



Information as of 12/17/2014.

ARMOUR Balance Sheet Targets

Assets

ARMOUR invests in Agency mortgage securities.

Duration

Net balance sheet weighted average duration target of 1.5 or less.

- 3.87 gross asset duration.
- -4.14 hedge duration.
- -0.27 net balance sheet duration.

Hedging

Hedge a minimum of 40% of assets and funding rate risk.

- \$13.0 billion in hedges (swaps and futures).
- 86.1% of assets hedged.
- 93.6% of repurchase agreements hedged.

Liquidity

Hold 40% of unlevered equity in cash between prepayment periods.

- \$974.9 million in total liquidity.
 - \$319.8 million in true cash.
 - \$470.9 million in unlevered securities.
 - \$184.2 million in short term Agency P&I.

Leverage

Long term debt to equity target of 8x - 9x.

- \$13.9 billion in net REPO borrowings.
- 7.6 x Q3 2014 shareholders' equity.

ARMOUR Portfolio Strategy and Investment Methodology

Management has a focused and disciplined approach to evaluating assets for inclusion in the ARMOUR portfolio. ARMOUR employs a strong bias toward a ‘buy and hold’ strategy rather than a ‘trading’ strategy. ARMOUR will strategically sell assets when it believes market conditions warrant.

➤ **Diversify Broadly**

- Diversification limits idiosyncratic pool risk.
- Over 1300 cusips.

➤ **Highly Liquid Assets**

- Purchase those Agency securities that are highly liquid (easily traded and priced).
- ARMOUR purchases “pass-through” securities.
- No collateralized mortgage obligations (“CMOs”).

➤ **Diversified Sources**

- Source assets through a mix of direct purchases from:
 - Originators.
 - Dealer inventories.
 - Institutional investors.

➤ **Loan Analysis – Inelasticity vs. Elasticity**

- Credit work on non-credit assets.
- Original and current loan balance.
- Year of origination.
- Originating company, third-party originators.
- Loan seasoning.
- Principal amortization schedule.
- Original loan-to-value ratio.
- Geography.
- 62% of our 15yr MBS are between 85K – 175K loan balances.

➤ **Pool Analysis**

- NO TBA pools – Only specified pools.
- Prepayment history.
- Prepayment expectations.
- Premium over par.
- “Hedgability.”
- Liquidity.

ARMOUR Portfolio and Derivatives Overview

Agency Asset Class	Current Value (millions)	Weighted Average Purchase Price	Weighted Average Current Market Price	Weighted Average Net/Gross Coupon	Estimated Effective Duration Using Current Values
ARMs (0 - 12 MTR, weighted average of 6 MTR)	\$ 131.4	104.6%	105.4%	3.38/3.81	1.19
Agency Multifamily Ballooning in 120 Months or Less	\$ 1,266.0	102.8%	105.0%	3.26/4.42	7.68
Fixed Rates Maturing in 120 Months or Less	\$ 6.1	104.7%	108.4%	4.53/5.02	2.50
Fixed Rates Maturing Between 121 and 180 Months	\$ 7,961.3	104.7%	105.6%	3.34/3.81	3.50
Fixed Rates Maturing Between 181 and 240 Months	\$ 4,941.7	105.9%	106.1%	3.60/4.11	3.41
Fixed Rates Maturing Between 241 and 360 Months	\$ 829.9	106.7%	107.2%	4.02/4.47	3.28
Total or Weighted Average	\$ 15,136.5	105.0%	105.8%	3.46/4.00	3.79

	Duration Contribution to Balance Sheet		Amount (millions)	Total Hedge %
Agency Assets	3.87	Assets	\$ 15,136.5	86.1%
Interest Rate Swaps & Eurodollar Futures	-4.14	Net Repo Balance	\$ 13,929.3	93.6%
Net Balance Sheet Duration	-0.27			

Duration estimates are derived from third-party software. Actual realized yields, durations and net durations described herein will depend on a number of factors that cannot be predicted with certainty. If rates decline, the value of our derivatives will typically decline. Inversely, if rates increase, the value of our derivatives will typically increase.

Information as of 12/17/2014. Portfolio value is based on independent third-party pricing. Portfolio information includes all forward settling trades. Some totals may not foot due to rounding.

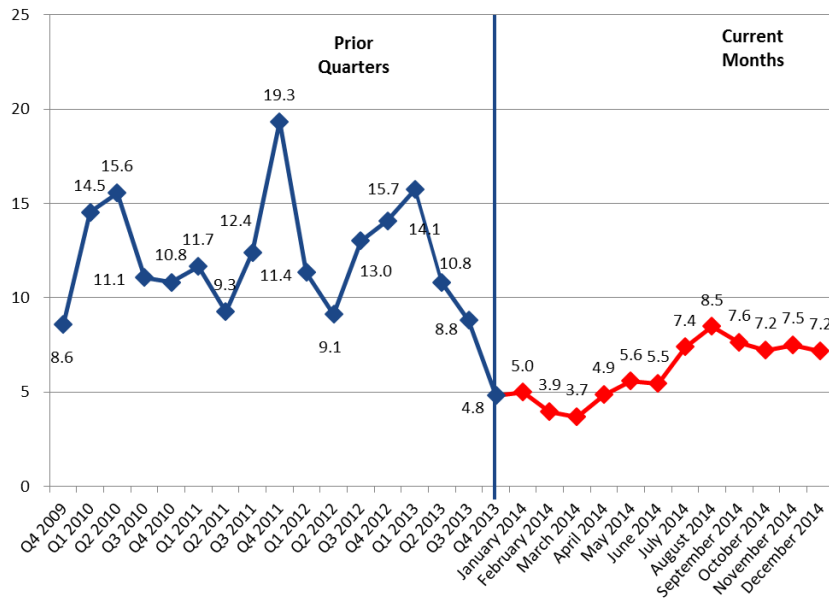
ARMOUR Hedge Detail

Derivative Type	Remaining Term	Weighted Average Remaining Term (Months)	Notional Amount (millions)	Weighted Average Rate
Interest Rate Swap	0-12 Months	6	\$ 905.0	1.12
Interest Rate Swap	13-24 Months	16	\$ 2,925.0	1.24
Interest Rate Swap	25-36 Months	32	\$ 350.0	0.63
Interest Rate Swap	37-48 Months	38	\$ 300.0	1.00
Interest Rate Swap	49-60 Months	59	\$ 2,000.0	1.56
Interest Rate Swap	61-72 Months	62	\$ 300.0	1.48
Interest Rate Swap	73-84 Months	0	\$ -	0.00
Interest Rate Swap	85-96 Months	91	\$ 2,450.0	1.47
Interest Rate Swap	97-108 Months	98	\$ 2,800.0	2.08
Interest Rate Swap	109-120 Months	0	\$ -	0.00
Interest Rate Swap	121-132 Months	121	\$ 1,000.0	2.66
Eurodollar Futures	0-9 Months	9	\$ 10.0	2.11
Total or Weighted Average		64	\$ 13,040.0	1.60

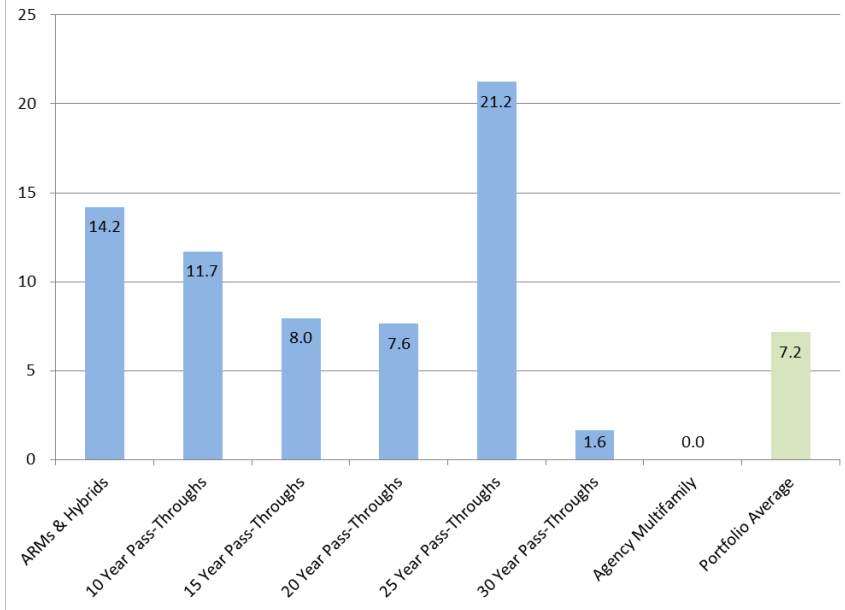
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ARMOUR Portfolio Constant Prepayment Rates (“CPR”)

Monthly Portfolio Constant Prepayment Rate



December 2014 Agency Asset CPR



ARMOUR expenses premium amortization monthly as it occurs.

Constant Prepayment Rate (“CPR”) is the annualized equivalent of single monthly mortality (“SMM”). CPR attempts to predict the percentage of principal that will prepay over the next twelve months based on historical principal pay downs.

CPR is reported on the 4th business day of the month for the previous month's prepayment activity.



ARMOUR REPO Composition

REPO Counter-Party ⁽¹⁾	Principal Borrowed (millions)	Percentage of REPO Positions with ARMOUR	Weighted Average Original Term in Days	Weighted Average Remaining Term in Days	Longest Remaining Term in Days
1 BNP Paribas Securities Corp.	\$ 1,172.5	8.4%	152	85	316
2 Merrill Lynch, Pierce, Fenner & Smith Inc.	\$ 1,072.4	7.7%	89	61	84
3 J.P. Morgan Securities LLC	\$ 1,058.1	7.6%	175	94	124
4 Mitsubishi UFJ Securities (USA), Inc.	\$ 1,017.9	7.3%	104	49	86
5 Wells Fargo Bank, N.A.	\$ 924.8	6.6%	31	6	20
6 ICBC Financial Services LLC	\$ 768.2	5.5%	158	40	106
7 Citibank, N.A.	\$ 700.0	5.0%	365	180	334
8 The Bank of Nova Scotia	\$ 694.5	5.0%	88	49	248
9 Nomura Securities International, Inc.	\$ 655.2	4.7%	90	43	76
10 Morgan Stanley & Co. LLC	\$ 639.4	4.6%	78	45	58
11 Barclays Capital Inc.	\$ 558.6	4.0%	90	79	85
12 The Bank of New York Mellon	\$ 500.0	3.6%	328	249	287
13 ING Financial Markets LLC	\$ 463.5	3.3%	75	48	75
14 Credit Suisse Securities (USA) LLC	\$ 461.7	3.3%	92	51	89
15 CRT Capital Group LLC	\$ 401.8	2.9%	60	37	37
16 South Street Securities LLC	\$ 364.0	2.6%	30	7	7
17 Daiwa Securities America Inc.	\$ 359.1	2.6%	83	67	86
18 Royal Bank of Canada	\$ 356.3	2.6%	91	61	82
19 KGS-Alpha Capital Markets, L.P.	\$ 328.5	2.4%	112	80	120
20 Mizuho Securities USA Inc.	\$ 308.8	2.2%	90	90	90
21 Pierpont Securities LLC	\$ 222.4	1.6%	76	52	64
22 Citigroup Global Markets Inc.	\$ 213.7	1.5%	91	51	62
23 Guggenheim Securities, LLC	\$ 182.9	1.3%	86	64	89
24 UBS Securities LLC	\$ 166.5	1.2%	82	38	58
25 Goldman, Sachs & Co.	\$ 158.0	1.1%	90	29	29
26 Natixis Financial Products LLC	\$ 79.4	0.6%	89	54	54
27 E D & F Man Capital Markets Inc.	\$ 66.2	0.5%	90	83	83
28 Deutsche Bank Securities Inc.	\$ 34.7	0.2%	58	23	23
Total or Weighted Average	\$ 13,929.3	100.0%	121	69	

Weighted Average Repo Rate	0.37%
Weighted Average Haircut	4.90%

Debt to Quarter End Shareholders' Equity Ratio	7.6
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(1) ARMOUR has signed MRAs with 38 counterparties.

Information as of 12/17/2014.
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