

**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, D.C. 20549**

FORM 8-K

**CURRENT REPORT PURSUANT
TO SECTION 13 OR 15(d) OF
THE SECURITIES EXCHANGE ACT OF 1934**

Date of Report (Date of earliest event reported) **October 11, 2011**

ARMOUR Residential REIT, Inc.

(Exact Name of Registrant as Specified in Its Charter)

Maryland

001-33736

26-1908763

(State or Other Jurisdiction
of Incorporation)

(Commission File Number)

(I.R.S. Employer Identification No.)

**3001 Ocean Drive, Suite 201
Vero Beach, Florida**

32963

(Address of Principal Executive Offices)

(Zip Code)

(772) 617-4340

(Registrant's Telephone Number, Including Area Code)

n/a

(Former Name or Former Address, if Changed Since Last Report)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions (see General Instruction A.2. below):

- Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17CFR 240.14a-12)
- Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Item 7.01. Regulation FD Disclosure.

On October 11, 2011, ARMOUR Residential REIT, Inc. (“ARMOUR”) posted a slide deck presentation on its website, which contains updates on ARMOUR’s financial position, business and operations. Attached as Exhibit 99.1 to this report is the slide deck presentation posted by ARMOUR.

The slide deck presentation attached to this report as Exhibit 99.1 is furnished pursuant to this Item 7.01 and shall not be deemed filed in this or any other filing of ARMOUR under the Securities Exchange Act of 1934, as amended, unless expressly incorporated by specific reference in any such filing.

Item 9.01. Financial Statements and Exhibits.

(c) Exhibits

Exhibit No. Description

99.1 Slide Deck Presentation, dated October 11, 2011

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the Registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

Dated: October 11, 2011

ARMOUR RESIDENTIAL REIT, INC.

By: /s/ Jeffrey J. Zimmer

Name: Jeffrey J. Zimmer

Title: Co-Chief Executive Officer, President and Co-Vice
Chairman

Exhibit Index

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99.1 Slide Deck Presentation, dated October 11, 2011



ARMOUR RESIDENTIAL REIT, Inc.
Company Update
October 11, 2011

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.

This material is for information purposes only and does not constitute an offer to sell, a solicitation of an offer to buy, or a recommendation for any securities, financial instruments, or common or privately issued stock. The statements, information and estimates contained herein are based on information that the presenter believes to be reliable as of today’s date, but cannot be represented that such statements, information or estimates are complete or accurate.

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 NUMBERS PRESENTED HEREIN ARE UNAUDITED AND UNREVIEWED.



ARMOUR Capitalization and Dividend Policy

- **Market Capitalization and Additional Paid-In Capital**
 - Closing price per share \$7.09.
 - 84,758,505 shares of common stock outstanding (NYSE: "ARR")⁽¹⁾.
 - Market capitalization of \$600.9 million.
 - Additional paid-in capital⁽²⁾ estimate: \$7.16 per share or \$606.5 million.
- **Dividend Policy and Taxable REIT Income**
 - ARMOUR pays dividends monthly.
 - Dividends are declared based on estimates of future taxable REIT income.
 - The company estimates that taxable REIT income for the first three quarters of 2011 will exceed dividends declared and paid.
 - Dividends are reviewed and set each quarter.
- **Q4 2011 Monthly Dividends**
 - \$0.11 per month.

2011 Dividend Record Date and Payment Schedule

	Record Date	Payment Date		Record Date	Payment Date
January	15th	28th	July	15th	28th
February	15th	25th	August	15th	30th
March	15th	30th	September	15th	29th
April	15th	28th	October	15th	28th
May	15th	27th	November	15th	29th
June	15th	29th	December	15th	29th

(1) ARR also has 32,500,000 warrants outstanding (NYSE/AMEX: ARR/WS) with a conversion price of \$11.00 that expire on November 7, 2013.

(2) Additional paid-in capital is equal to historic book value.

Information as of 10/10/2011.



ARMOUR Targets, Strategy and Governance Review

Balance Sheet Targets

- ASSETS
 - ARMOUR invests in Agency mortgage securities.
- DURATION
 - Net balance sheet weighted average duration target of 1.5 or less.
- HEDGING
 - Hedge asset and funding rate risk on a minimum of 40% of non-ARM assets.
- LIQUIDITY
 - Hold up to 40% of unlevered equity in cash between prepayment periods.
- LEVERAGE
 - Debt to equity target of 9.0x vs. additional paid-in-capital.

Portfolio Strategy

- Invest in low duration Agency mortgage securities.
- Diversify broadly to limit idiosyncratic pool risk.
- Close focus on prepayment profile – credit, structure and other characteristics – to select better performing assets.

Transparency and Governance

- Portfolio and liability details are updated monthly at www.armourreit.com.
- Premium amortization is expensed monthly as it occurs.
- Hedge positions are marked-to-market daily.
- Non-Executive Board Chairman.



ARMOUR Balance Sheet Highlights

Agency Mortgage Portfolio (billions)	\$5.75	817 Separate CUSIPS
Net REPO Borrowings⁽¹⁾ (billions)	\$5.40	8.90x debt to additional paid-in capital ratio
Interest Rate Hedges (billions)	\$2.90	51.6% of non-true ARMs hedged 53.7% of REPO borrowing hedged
Gross Asset Duration	2.14	
Net Balance Sheet Duration	0.07	
Liquidity Total (millions)	\$297.7	49.1% of additional paid-in capital
True Cash	\$119.2	19.7% of additional paid-in capital
Unlevered Securities	\$19.4	3.2% of additional paid-in capital
Short term Agency P&I receivables ⁽²⁾	\$159.1	26.2% of additional paid-in capital

Portfolio value is based on independent third-party pricing. Portfolio and liability information is as of 10/07/2011. Portfolio information does not include \$98.5 million of forward settle trades.

(1) Repo borrowings are net after subtracting principal paydown information released on 10/6/2011.

(2) \$31.8 million due on 10/17/2011, \$11.2 million due on 10/20/2011, \$105.9 million due on 10/25/2011 and \$10.1 million due on 11/15/2011.

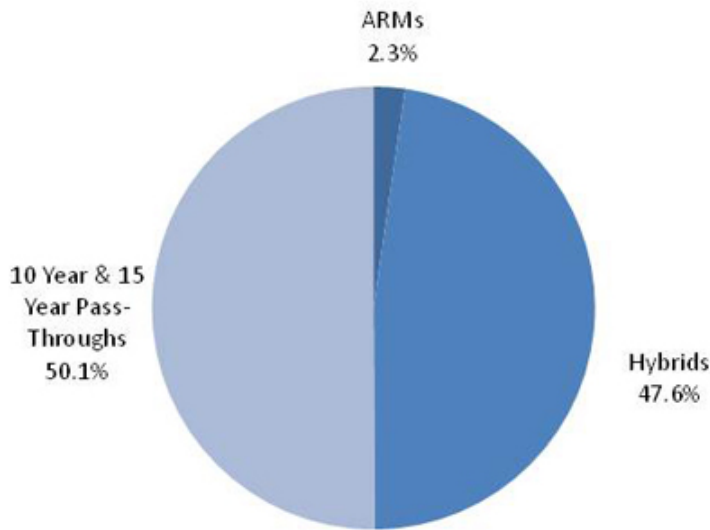


ARMOUR Investment Methodology

Management has a focused and disciplined approach to evaluating assets for inclusion in the ARMOUR portfolio. ARMOUR employs a 'buy and hold' strategy rather than a 'trading' strategy.

- **Agency Securities**
 - ARMOUR invests in Agency Securities.
- **Low Duration Assets**
 - Target a portfolio of low duration assets to reduce gross interest rate exposure.
- **Highly Liquid Assets**
 - Purchase those Agency Securities that are highly liquid (easily traded and priced).
 - ARMOUR purchases “pass-through” securities and does not own any collateralized mortgage obligations (“CMOs”).
- **Diversified Sources**
 - Source assets through a mix of direct purchases from:
 - Originators
 - Dealer inventories
 - Bid lists
- **Loan Analysis**
 - Original loan balance size.
 - Year of origination.
 - Originating company, third-party originators.
 - Loan seasoning.
 - Principal amortization schedule.
 - Original loan-to-value ratio.
 - Geography.
- **Pool Analysis**
 - Prepayment history.
 - Prepayment expectations.
 - Premium over par.
 - “Hedgability.”
 - Liquidity.
 - No TBA Pools – Only specified.

ARMOUR Agency Asset Class Composition



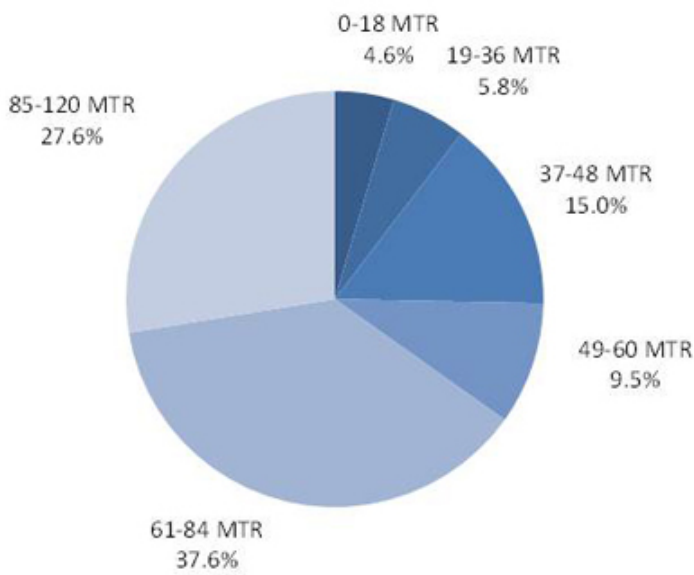
Agency Asset Class	Current Value (millions)
ARM's (0-18 Months to Reset)	\$ 131.3
Hybrids (19 Months and Longer to Reset)	\$ 2,738.3
10 Year & 15 Year Pass-Throughs	\$ 2,878.4
Total	\$ 5,748.0

Agency Type	Current Value (millions)	Percentage of Total Portfolio
Fannie Mae	\$ 4,098.4	71.3%
Freddie Mac	\$ 1,219.7	21.2%
Ginnie Mae	\$ 430.0	7.5%
Total	\$ 5,748.0	100.0%

Information as of 10/7/2011. There was no bond market trading on 10/10/2011.



ARMOUR ARM and Hybrid Security Composition



Months to Reset	Current Value (millions)	Weighted Average Months to Reset
0-18	\$ 131.3	7
19-36	\$ 166.4	28
37-48	\$ 429.1	43
49-60	\$ 273.2	54
61-84	\$ 1,077.8	74
85-120	\$ 791.7	115
Total	\$ 2,869.6	73

Percentages are based on the total market value of both ARMs and Hybrids.

Information as of 10/7/2011. There was no bond market trading on 10/10/2011.



ARMOUR Portfolio and Interest Rate Hedges Duration Detail

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 (0-18 Months to Reset)	\$ 131.3	104.6%	105.2%	3.32/3.92	0.66
Hybrids (19 Months and Longer to Reset)	\$ 2,738.3	104.0%	104.7%	3.73/4.17	1.81
10 Year & 15 Year Pass-Throughs	\$ 2,878.4	104.3%	104.9%	4.00/4.34	2.52
Total or Weighted Average	\$ 5,748.0	104.2%	104.8%	3.85/4.25	2.14

Estimated Balance Sheet Duration	Amount (millions)	Duration Effect on Balance Sheet
Agency Assets	\$ 5,748.0	2.14
Interest Rate Hedges	\$ 2,899.0	-4.02
Net Balance Sheet Duration		0.07

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. Market prices for our securities are obtained from independent third-party sources.

If rates decline, the value of our swaps and Eurodollar futures will typically decline. Inversely, if rates increase, the value of our swaps and Eurodollar futures will typically increase.

Portfolio information as of 10/7/2011. There was no bond market trading on 10/10/2011. Interest rate hedge information as of 10/11/2011.



ARMOUR Interest Rate Swap and Eurodollar Futures Detail

Hedge Type	Remaining Term	Weighted Average Remaining Term (months)	Notional Amount (millions)	Weighted Average Rate
Interest Rate Swap	0-12 Months	0	\$ -	0.00
Interest Rate Swap	13-24 Months	15	\$ 20.0	0.53
Interest Rate Swap	25-36 Months	28	\$ 290.0	1.09
Interest Rate Swap	37-48 Months	44	\$ 905.0	1.12
Interest Rate Swap	49-60 Months	56	\$ 1,550.0	1.74
Eurodollar Futures	0-49 Months	29	\$ 134.0	1.80
Total or Weighted Average		48	\$ 2,899.0	1.48

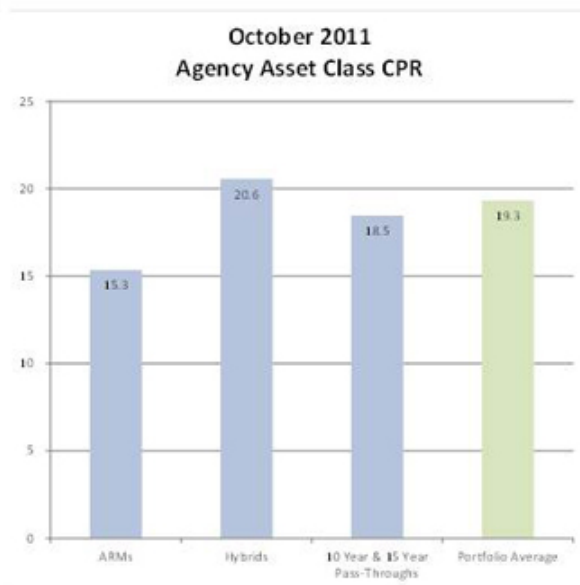
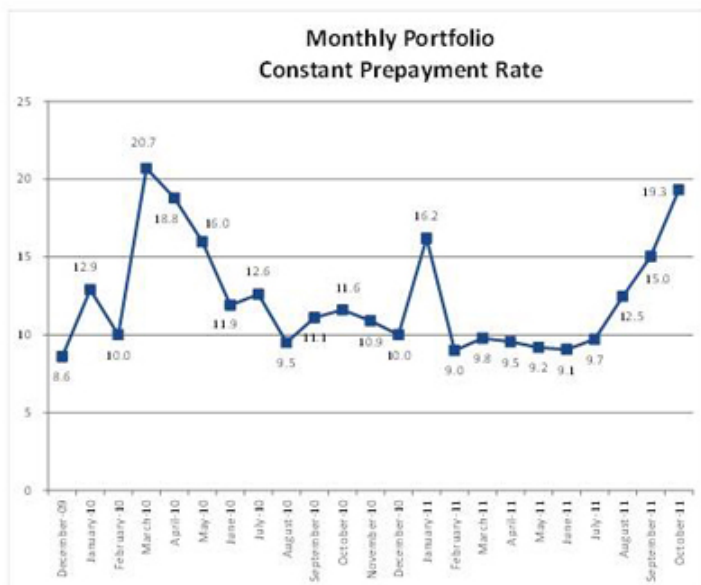
Active swap counterparties include:

Citibank, N.A., JP Morgan Chase, N.A., Nomura Global Financial Products Inc., UBS AG, and Wells Fargo Bank, N.A.

Information as of 10/11/2011.



ARMOUR Portfolio Constant Prepayment Rates ("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	Principal Borrowed (millions)	Percentage of REPO Positions with ARMOUR	Weighted Average Maturity in Days	Longest Maturity in Days
1 BNP Paribas Securities Corp.	\$ 420.8	7.6%	33	35
2 RBS Securities Inc.	\$ 396.4	7.2%	15	28
3 MF Global Inc.	\$ 331.9	6.0%	25	39
4 Goldman, Sachs & Co.	\$ 325.9	5.9%	15	28
5 Guggenheim Securities, LLC	\$ 324.0	5.9%	37	57
6 UBS Securities LLC	\$ 323.5	5.8%	26	28
7 Cantor Fitzgerald & Co. Inc.	\$ 291.4	5.3%	24	25
8 South Street Securities LLC	\$ 290.1	5.2%	36	57
9 Mitsubishi UFJ Securities (USA), Inc.	\$ 285.7	5.2%	25	35
10 Merrill Lynch, Pierce, Fenner & Smith Inc.	\$ 274.3	5.0%	10	16
11 Citigroup Global Markets Inc.	\$ 245.3	4.4%	60	60
12 J.P. Morgan Securities LLC	\$ 231.8	4.2%	31	35
13 Pierpont Securities LLC	\$ 222.2	4.0%	18	21
14 Nomura Securities International, Inc.	\$ 216.9	3.9%	10	35
15 ING Financial Markets LLC	\$ 191.8	3.5%	28	28
16 Deutsche Bank Securities Inc.	\$ 174.9	3.2%	3	30
17 ICBC Financial Services LLC	\$ 174.6	3.2%	27	35
18 Mizuho Securities USA Inc.	\$ 164.0	3.0%	24	29
19 Daiwa Securities America Inc.	\$ 148.9	2.7%	27	35
20 CRT Capital Group LLC	\$ 123.4	2.2%	1	1
21 Credit Suisse Securities (USA) LLC	\$ 107.3	1.9%	4	4
22 Barclays Capital Inc.	\$ 106.3	1.9%	28	29
23 Jefferies & Company, Inc.	\$ 94.1	1.7%	8	8
24 Wells Fargo Bank, N.A.	\$ 67.5	1.2%	7	7
Total or Weighted Average	\$ 5,533.1	100.0%	24	

Weighted Average Haircut	4.95%
Weighted Average Repo Rate	0.27%

September Paydowns	\$ (132.7)
Total REPO after Paydowns	\$ 5,400.4
Debt to Equity Ratio after Paydowns	8.90

Note: ARMOUR has signed MRAs with 28 counterparties as of 10/7/2011.





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