INVESTOR PRESENTATION

2026 Third Quarter

CELEBRATING 25 YEARS

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Informational Statements

The Private Securities Litigation Reform Act of 1995 provides a “safe harbor” for forward-looking statements. This release or any other written or oral statements made by or on behalf of Arch and its subsidiaries may include forward-looking statements, which reflect the Company’s current views with respect to future events and financial performance. All statements other than statements of historical fact included in or incorporated by reference in this release are forward-looking statements. Forward-looking statements can generally be identified by the use of forward-looking terminology such as “may,” “will,” “expect,” “intend,” “estimate,” “anticipate,” “believe” or “continue” or their negative or variations or similar terminology. Forward-looking statements involve the Company’s current assessment of risks and uncertainties. Actual events and results may differ materially from those expressed or implied in these statements. A non-exclusive list of the important factors that could cause actual results to differ materially from those in such forward-looking statements includes the following: adverse general economic and market conditions; increased competition; pricing and policy term trends; fluctuations in the actions of rating agencies and the Company’s ability to maintain and improve the Company’s ratings; investment performance; the loss and addition of key personnel; the adequacy of the Company’s loss reserves, severity and/or frequency of losses, greater than expected loss ratios and adverse development on claim and/or claim expense liabilities; greater frequency or severity of unpredictable natural and man-made catastrophic events; the impact of acts of terrorism and acts of war; changes in regulations and/or tax laws in the United States or elsewhere; the Company’s ability to successfully integrate, establish and maintain operating procedures as well as integrate the businesses we have acquired or may acquire into the existing operations; changes in accounting principles or policies; material differences between actual and expected assessments for guaranty funds and mandatory pooling arrangements; availability and cost to the Company of reinsurance to manage gross and net exposures; the failure of others to meet their obligations to the Company; an incident, disruption in operations or other cyber event caused by cyber attacks, the use of artificial intelligence technologies or other technology on the Company’s systems or those of the Company’s business partners and service providers, which could negatively impact the Company’s business and/or expose the Company to litigation; and other matters set forth under Item 1A “Risk Factors”, Item 7 “Management’s Discussion and Analysis of Financial Condition and Results of Operations” and other sections of the Company’s Annual Report on Form 10-K for the year ended December 31, 2025, filed with the SEC on February 26, 2026 and of the Company’s latest Quarterly Reports on Form 10-Q, as well as the other factors set forth in the Company’s other documents on file with the SEC, and management’s response to any of the aforementioned factors. All subsequent written and oral forward-looking statements attributable to the Company or persons acting on its behalf are expressly qualified in their entirety by these cautionary statements. The foregoing review of important factors should not be construed as exhaustive and should be read in conjunction with other cautionary statements that are included herein or elsewhere. The Company's forward-looking statements speak only as of the date of this press release or as of the date they are made, and the Company undertakes no obligation to publicly update or revise any forward-looking statement, whether as a result of new information, future events or otherwise.

This presentation may contain non-GAAP financial measures as defined by Regulation G of the rules of the SEC. Arch Capital Group Ltd. (the ”Company”) believes these non-GAAP financial measures provide users of its financial information meaningful and useful insight in evaluating the performance of the Company. Investors should consider non-GAAP financial measures in addition to, and not as a substitute for, or superior to, the comparable GAAP financial measures. The reconciliation to GAAP and information about the specific non-GAAP financial measures used herein can be found within this presentation/video/document. Additional information about non-GAAP financial measures can also be found in the Current Report on Form 8-K furnished to the SEC by the Company in connection with its most recent earnings press release and the Company's website: www.archgroup.com. From time to time, the Company posts additional financial information and presentations to its website, including information with respect to its subsidiaries, and investors and other recipients of this information are encouraged to check the website.

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A Leading Global Specialty Insurer

25
Years of Success

A GLOBAL PRESENCE
~8,000
Employees Worldwide

Gross Premium Written	Combined Ratio
$22.8B	82.1%

TTM[1] Ending September 30, 2026

Total Capitalization	Debt and Preferred/ Total Capitalization
$27.3B	18.8%

As of September 30, 2026

Financial Strength Ratings*

AA-	A+
Standard & Poor's	A.M. Best

**Arch Reinsurance Ltd. ratings as of October 27, 2026.*
See our website for complete rating information.

Member of the
S&P 500®
Stock Market Index

[1] TTM = Trailing Twelve Months.

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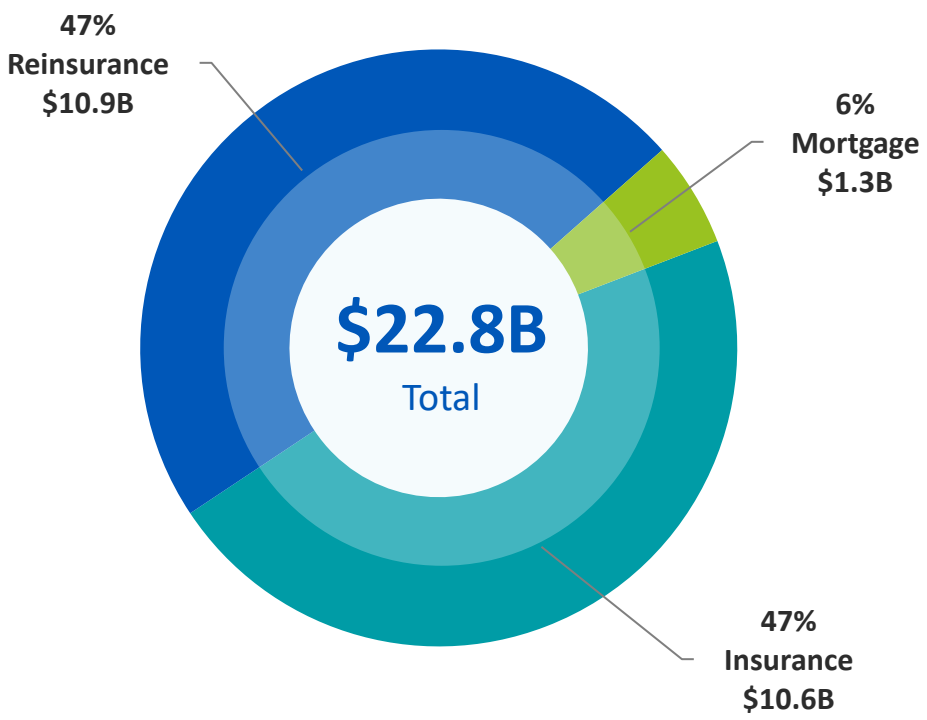
Specialty Re/Insurance Business

Arch Operates Leading Specialty Insurance Lines Across a Wide Range of Geographies and Products

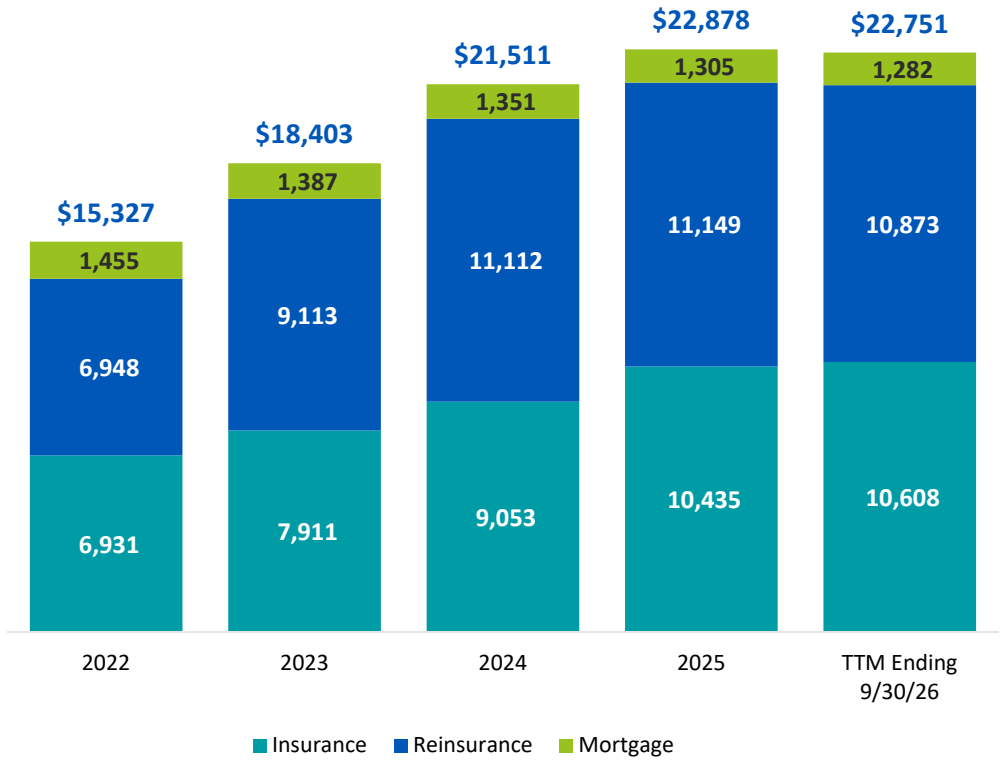
Gross Premiums Written

TTM Ending 9/30/26 ($B)



Gross Premiums Written by Segment

From 2022 to TTM Ending 9/30/26 ($M)[1]



[1] The sum of gross premiums written for each segment does not agree to the total gross premiums written as shown in the table above due to elimination of intersegment transactions.

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The DNA of a Specialty Insurance Powerhouse

Arch's playbook delivers superior results with lower volatility. Our operating principles are:

FOCUS ON SPECIALTY INSURANCE BUSINESS

- We focus on commercial lines where our underwriting expertise enhances risk selection and returns.
- Examples of specialty lines include:
  - **Insurance:** Professional and Excess and Surplus (E&S), are more difficult and require deeper expertise to generate adequate, through-the-cycle returns.
  - **Reinsurance:** Sophisticated modeling and portfolio construction can mitigate volatile property catastrophe returns.
  - **Mortgage**: Innovative pricing and risk models drive performance.

MANAGE THE CYCLE

- Our executive and underwriting teams are compensated on long-term profitability, not just generating new premium.
- A diversified platform ensures we can allocate our capital to the most deserving opportunities.
- Simple in concept, difficult to execute. Successful insurers write more business when opportunities are good and less when conditions deteriorate.

EFFECTIVELY ALLOCATE CAPITAL

- We allocate capital to the lines of business with the best relative opportunity for risk-adjusted returns.
- When excess capital exists, we deploy according to the below priorities:
  1. Reinvest into our business.
  2. Reduce financial leverage.
  3. Return to shareholders via buybacks or dividends.

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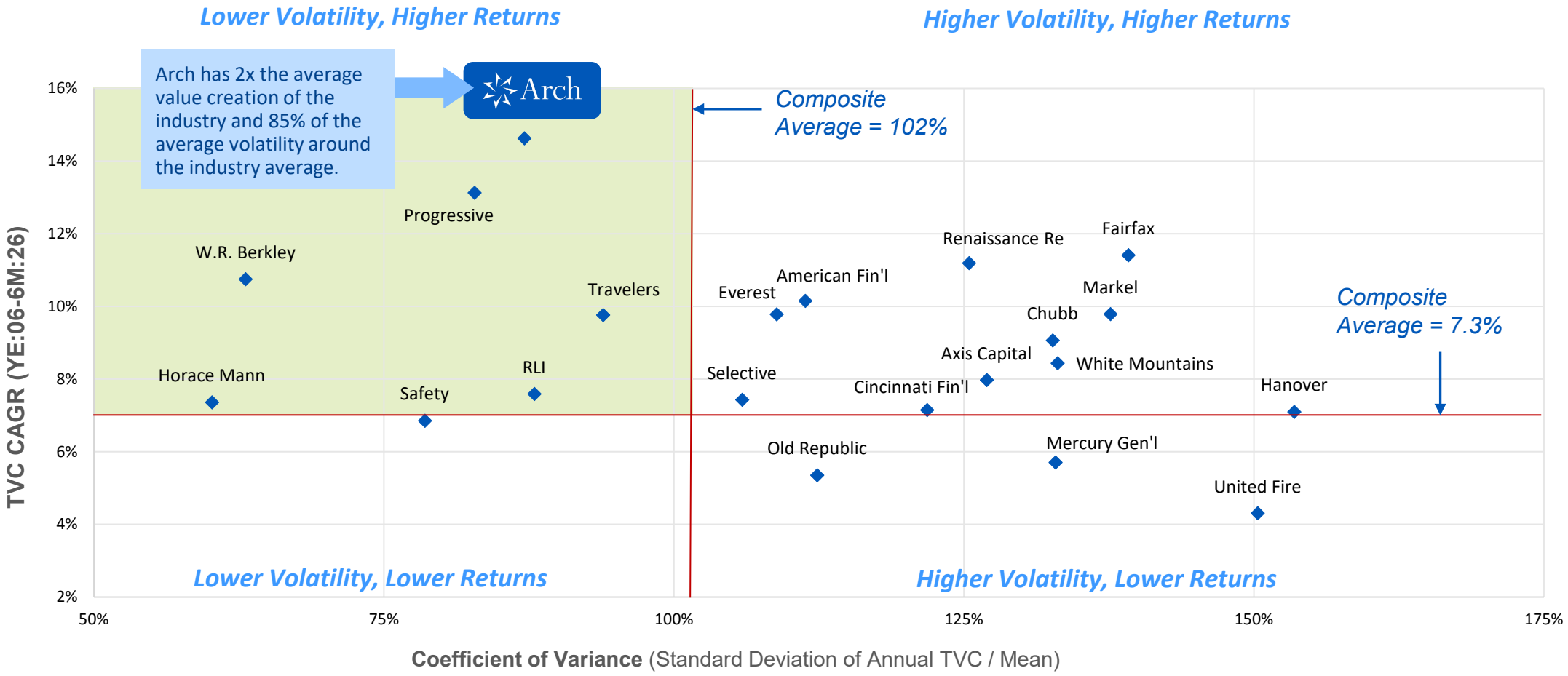
Consistently Superior Risk-Adjusted Returns with Less Volatility

Total Value Creation vs. Coefficient of Variation

12/31/06 – 6/30/26



Source: D&P Analysis. Chart represents **Total Value Creation,** which includes tangible book value per share growth plus common dividends
Excludes: ALL (8.0%, 176%), CNA (4.5%, 258%), HIG (2.5%, 335%), KMPR (2.1%, 422%) = coefficient of variance >175%

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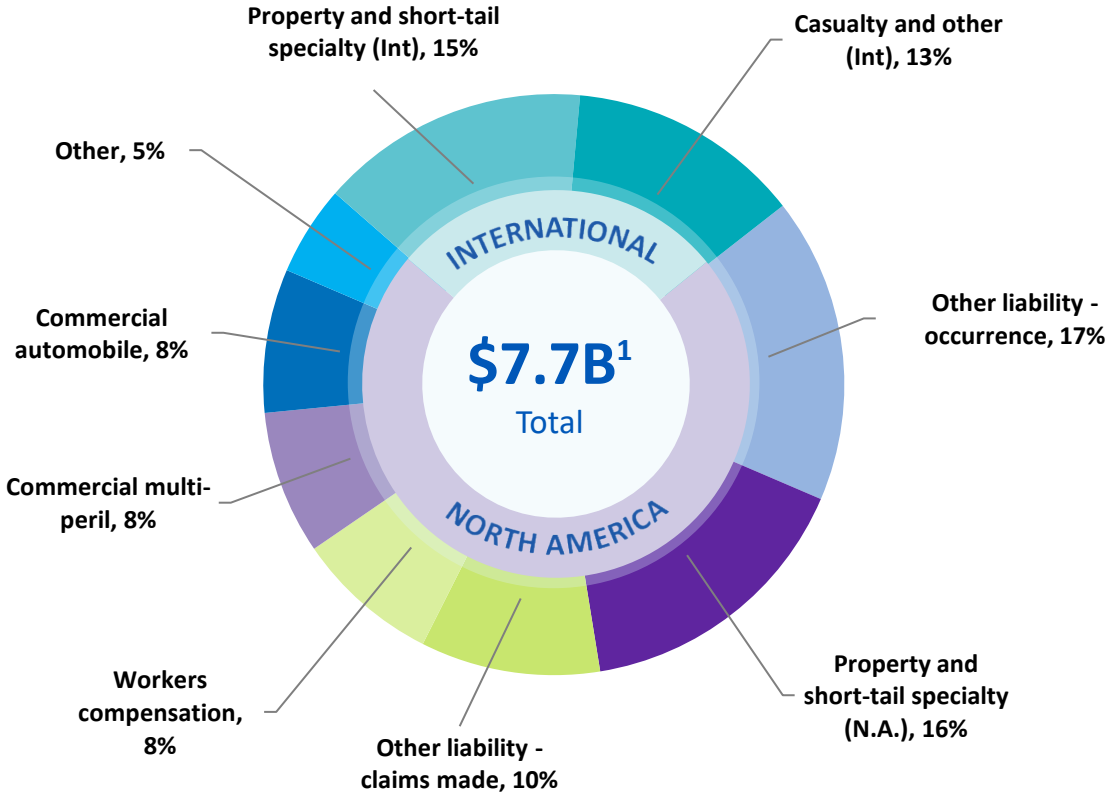
Diversification Provides Flexibility

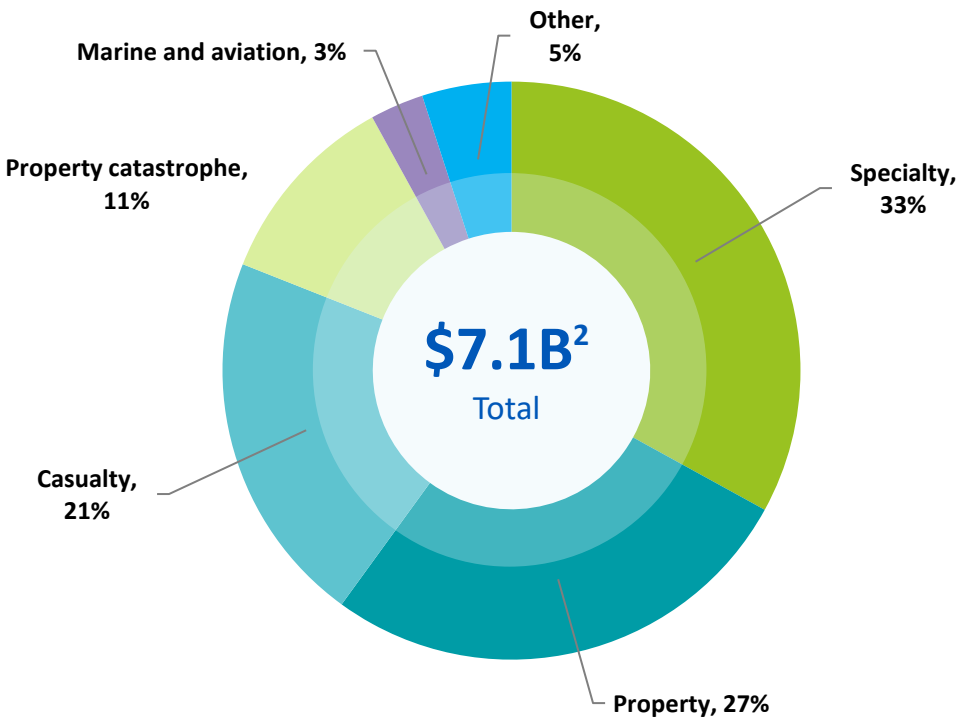
Insurance Net Premiums Written

TTM Ending 9/30/26 ($B)



Reinsurance Net Premiums Written

TTM Ending 9/30/26 ($B)



[1] ***Insurance Segment***: Products offered in North America include: **commercial automobile**; **commercial multi-peril**; **other liability—claims made**, which includes financial and professional lines; **other liability—occurrence**, which includes admitted and excess and surplus casualty lines; **property and short-tail specialty**; **workers compensation**; and **other**. Products offered across the Company's International units include: **property and short-tail specialty**; and **casualty and other**.

[2] ***Reinsurance Segment***: **Casualty** includes executive assurance, professional liability, workers' compensation, healthcare, Motor XOL and other. **Specialty** includes proportional motor, cyber, trade credit and surety, accident and health, workers' compensation catastrophe, agriculture, and political risk. **Other** includes life.

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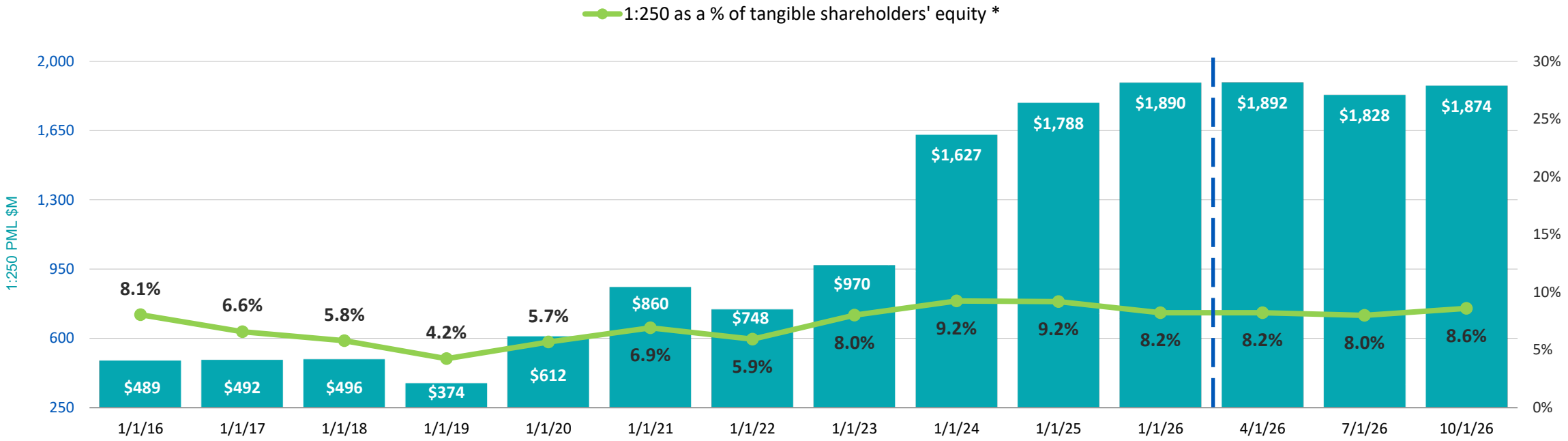
Managed Catastrophe Risk

ACGL Peak Zone 1:250 PML



***Non-GAAP Financial Measures**: Tangible shareholders' equity represents total shareholders' equity, which includes non-cumulative preferred shares, less goodwill and intangible assets (excluding amounts attributable to non-controlling interests). We believe that tangible shareholders' equity is useful to investors because it provides a more accurate measure of the realizable value of shareholders' equity. The following table provides a reconciliation of total shareholders' equity to tangible shareholders' equity:

	December 31,													
(U.S. Dollars in Millions)	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Mar-26	Jun-26	Sep-26
Total shareholders' equity	$6,167	$ 8,254	$ 9,197	$ 9,440	$11,497	$13,106	$13,546	$12,910	$18,353	$20,820	$24,206	$24,188	$24,030	$22,992
Less: goodwill and intangible assets	98	775	646	628	731	682	942	802	730	1,351	1,222	1,190	1,163	1,133
Tangible shareholders' equity	$ 6,069	$ 7,479	$ 8,551	$ 8,812	$10,766	$12,424	$12,604	$12,108	$17,623	$19,469	$22,984	$22,998	$22,867	$21,859

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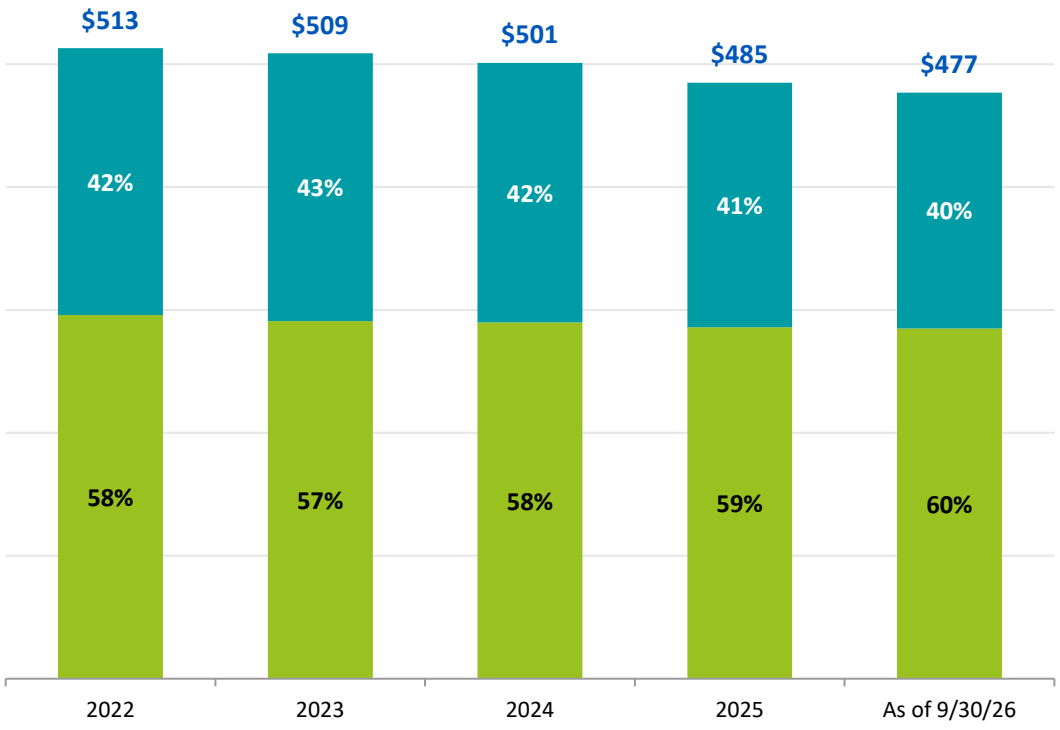
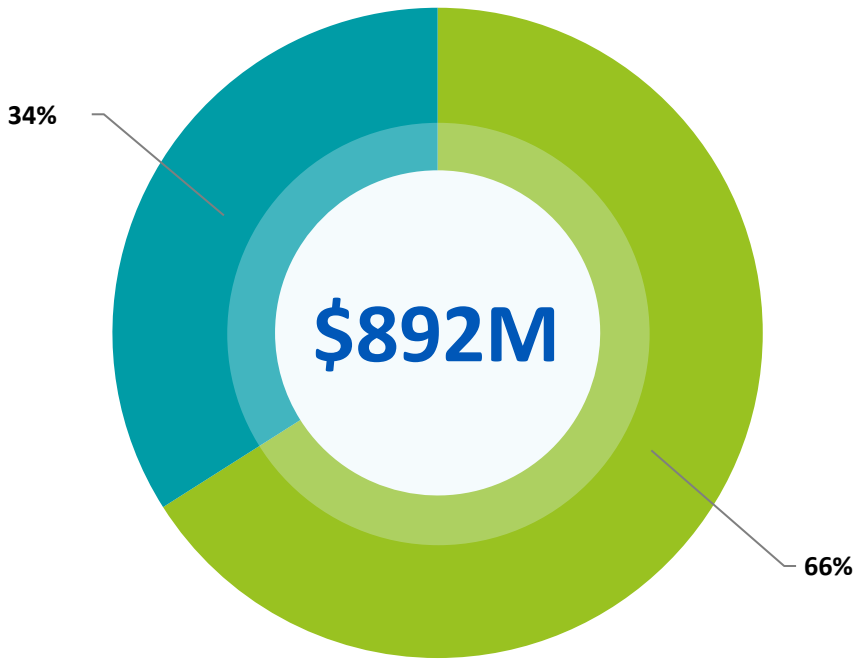
Mortgage Insurance Diversifies Earnings

Insurance In Force ($B)



Underwriting Income ($M)

TTM Ending 9/30/26



U.S. Primary Mortgage Insurance

International Mortgage Insurance/Reinsurance and U.S. Credit Risk Transfer (CRT) and other

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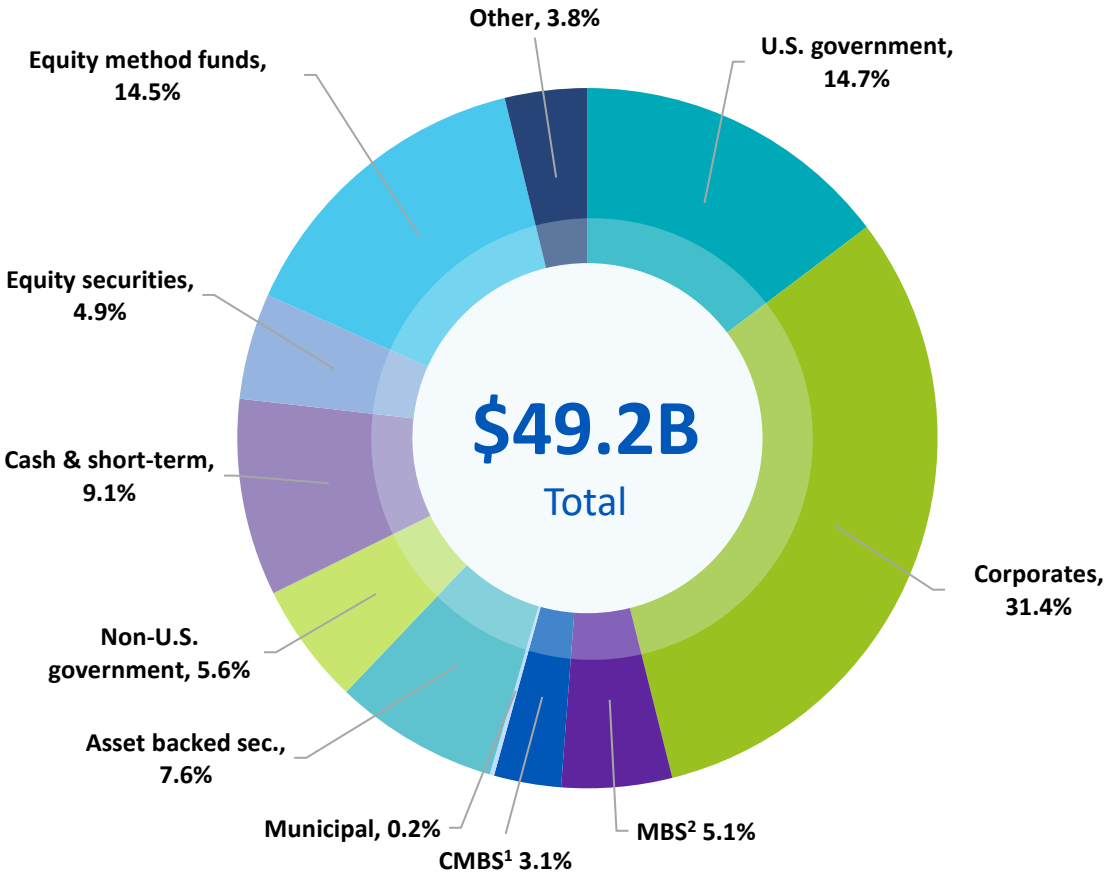
Conservative Investment Portfolio

Invested Assets ($B)

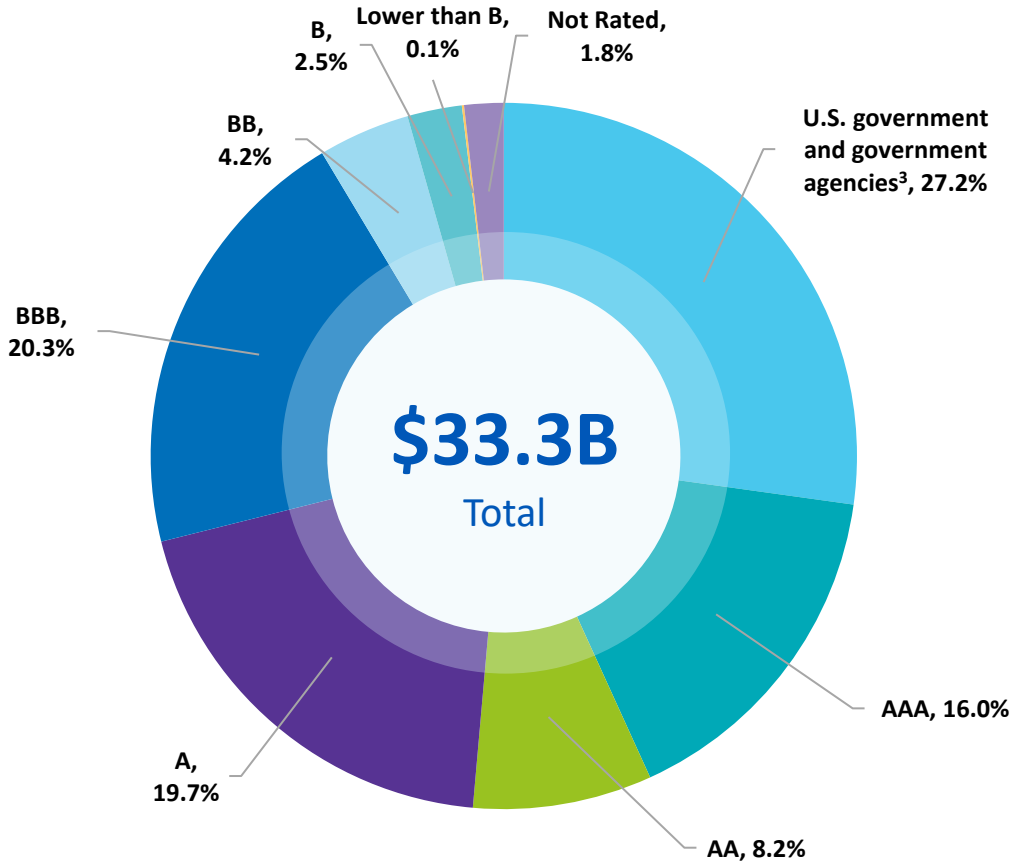
September 30, 2026



[1] CMBS = Commercial mortgage backed securities.
[2] MBS = Mortgage backed securities.
[3] Includes U.S. government – sponsored agency MBS and agency CMBS.

Fixed Maturity by Rating ($B)

September 30, 2026



Average S&P/Moody's Credit Ratings: AA- / Aa3

Average credit ratings on the Company's investment portfolio on securities with ratings assigned by Standard & Poor's ("S&P") and Moody's Investors Service ("Moody's").

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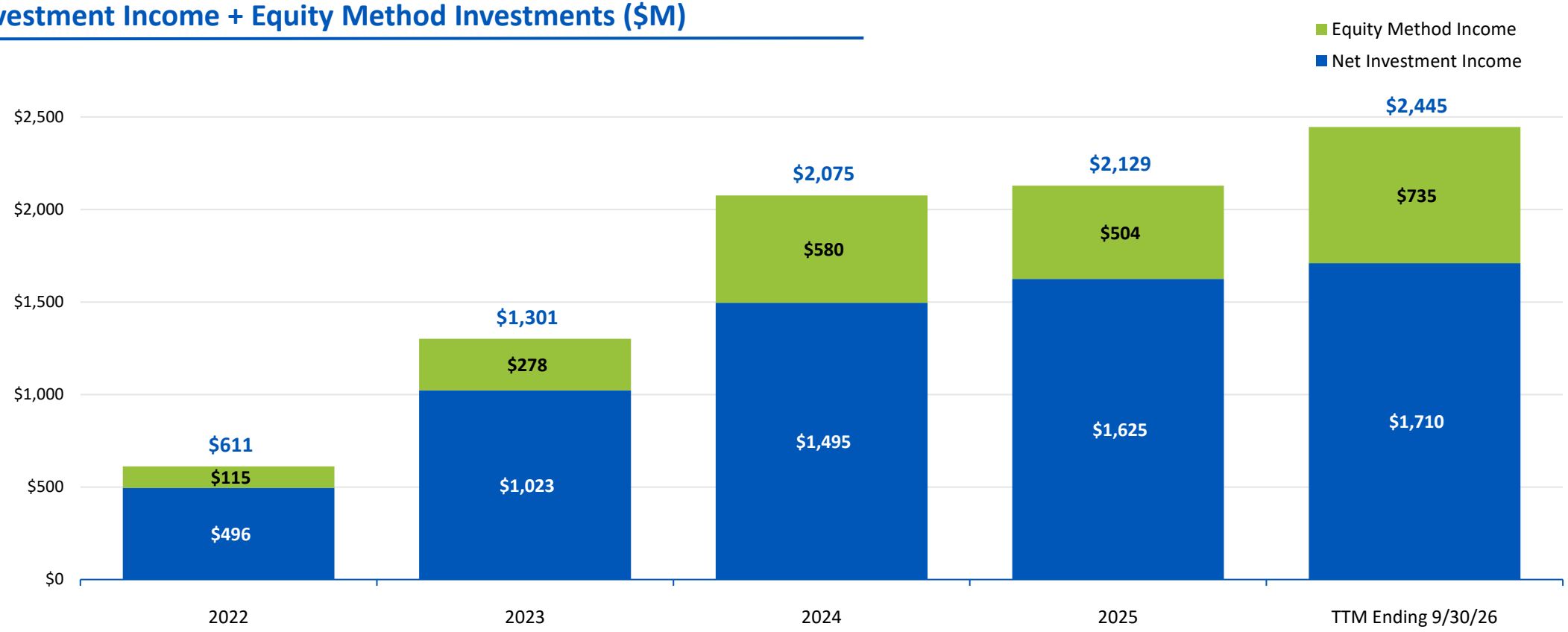
Investment Income a Steady Contributor to Book Value Growth

Net Investment Income + Equity Method Investments ($M)



	2022	2023	2024	2025	TTM Ending 9/30/26
Total Investable Assets in ($M):	**$28,065**	**$34,589**	**$41,388**	**$47,369**	**$49,208**
	2022	2023	2024	2025	As of 9/30/26

Net Investment Income: Investment income net of investment expenses, included as part of operating income.
Equity Method Investments: Equity in net income (loss) of investment funds accounted for using the equity method. Not included in operating Income. Excluding investments in operating affiliates.

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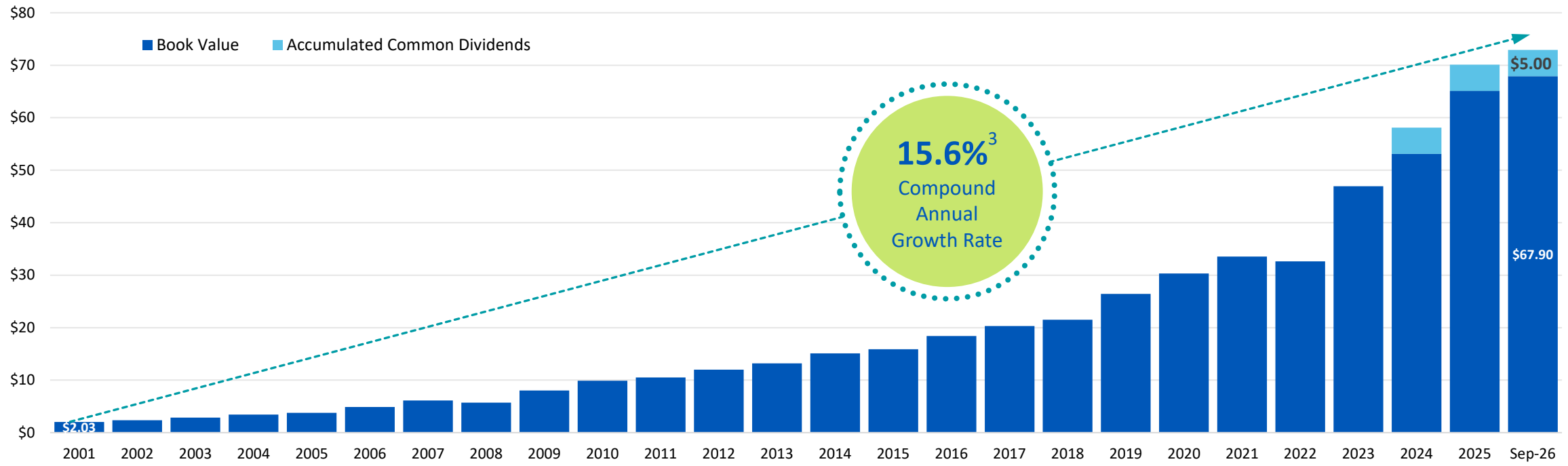
Superior Value Creation

Book Value per Common Share[1] + Accumulated Common Dividends



	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Sep-26
Total Capitalization[2] ($B):	$1.0	$1.4	$1.9	$2.5	$2.8	$3.9	$4.3	$3.8	$4.7	$4.9	$5.0	$5.6	$6.5	$7.0	$7.1	$10.5	$11.3	$11.2	$13.2	$15.8	$16.3	$15.6	$21.1	$23.5	$26.9	$27.3
Debt/Preferred to Total Capitalization[2]	0.0%	0.0%	10.5%	11.8%	10.8%	16.1%	14.4%	18.9%	15.3%	14.9%	14.5%	13.0%	18.7%	17.3%	17.2%	28.7%	26.4%	22.5%	19.0%	22.1%	21.8%	22.7%	16.9%	15.1%	13.2%	18.8%

[1] Excludes the effects of stock options and restricted stock units outstanding.
[2] Includes senior debt, preferred equity, common stock and AOCI.
[3] Total value creation includes growth in book value per common share plus accumulated common dividends.

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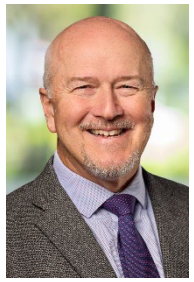
Investor Inquiries



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- Sustainability reports and additional governance documents are available at archgroup.com/sustainability.
- Previous investor presentations and other financial resources are available at archgroup.com/investors.

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