Investor Presentation
4Q09

Endurance
YOUR RISK IS OUR FOCUS

Forward looking statements & regulation G disclaimer

Safe Harbor for Forward Looking Statements

Some of the statements in this presentation include forward-looking statements which reflect our current views with respect to future events and financial performance. Such statements include forward-looking statements both with respect to us in general and the insurance and reinsurance sectors specifically, both as to underwriting and investment matters. Statements which include the words "expect," "intend," "plan," "believe," "project," "anticipate," "seek," "will," and similar statements of a future or forward-looking nature identify forward-looking statements in this presentation for purposes of the U.S. federal securities laws or otherwise. We intend these forward-looking statements to be covered by the safe harbor provisions for forward-looking statements in the Private Securities Litigation Reform Act of 1995.

All forward-looking statements address matters that involve risks and uncertainties. Accordingly, there are or may be important factors that could cause actual results to differ from those indicated in the forward-looking statements. These factors include, but are not limited to, developments in the world's financial and capital markets that could adversely affect the performance of Endurance's investment portfolio or access to capital, changes in the composition of Endurance's investment portfolio, competition, possible terrorism or the outbreak of war, the frequency or severity of unpredictable catastrophic events, changes in demand for insurance or reinsurance, rating agency actions, uncertainties in our reserving process, a change in our tax status, acceptance of our products, the availability of reinsurance or retrocessional coverage, retention of key personnel, political conditions, the impact of current legislation and regulatory initiatives, changes in accounting policies, changes in general economic conditions and other factors described in our most recent Annual Report on Form 10-K.

Forward-looking statements speak only as of the date on which they are made, and we undertake no obligation publicly to update or revise any forward-looking statement, whether as a result of new information, future developments or otherwise.

Regulation G Disclaimer

In presenting the Company's results, management has included and discussed certain non-GAAP measures. Management believes that these non-GAAP measures, which may be defined differently by other companies, better explain the Company's results of operations in a manner that allows for a more complete understanding of the underlying trends in the Company's business. However, these measures should not be viewed as a substitute for those determined in accordance with GAAP. For a complete description of non-GAAP measures and reconciliations, please review the Investor Financial Supplement on our web site at www.endurance.bm.

The combined ratio is the sum of the loss, acquisition expense and general and administrative expense ratios. Endurance presents the combined ratio as a measure that is commonly recognized as a standard of performance by investors, analysts, rating agencies and other users of its financial information. The combined ratio, excluding prior year net loss reserve development, enables investors, analysts, rating agencies and other users of its financial information to more easily analyze Endurance's results of underwriting activities in a manner similar to how management analyzes Endurance's underlying business performance. The combined ratio, excluding prior year net loss reserve development, should not be viewed as a substitute for the combined ratio.

Net premiums written (prior to deposit accounting adjustments) is a non-GAAP internal performance measure used by Endurance in the management of its operations. Net premiums written (prior to deposit accounting adjustments) represents net premiums written and deposit premiums, which are premiums on contracts that are deemed as either transferring only significant timing risk or transferring only significant underwriting risk and thus are required to be accounted for under GAAP as deposits. Endurance believes these amounts are significant to its business and underwriting process and excluding them distorts the analysis of its premium trends. In addition to presenting gross premiums written determined in accordance with GAAP, Endurance believes that net premiums written (prior to deposit accounting adjustments) enables investors, analysts, rating agencies and other users of its financial information to more easily analyze Endurance's results of underwriting activities in a manner similar to how management analyzes Endurance's underlying business performance. Net premiums written (prior to deposit accounting adjustments) should not be viewed as a substitute for gross premiums written determined in accordance with GAAP.

Return on Average Equity (ROAE) is comprised using the average common equity calculated as the arithmetic average of the beginning and ending common equity balances for stated periods. Return on Beginning Equity (ROBE) is comprised using the beginning common equity for stated periods. The Company presents various measures of Return on Equity that are commonly recognized as a standard of performance by investors, analysts, rating agencies and other users of its financial information.

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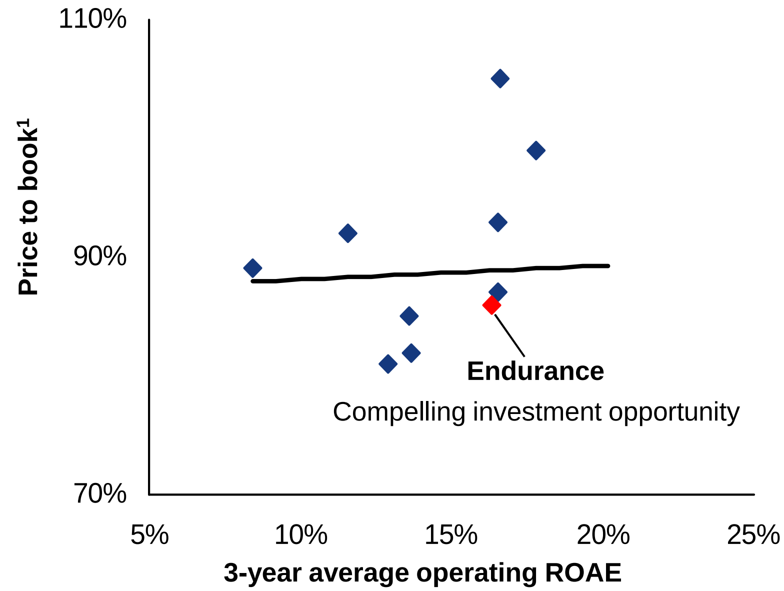
Investor value proposition

Endurance offers investors a proven franchise at an attractive valuation

Successfully executed our strategy to develop a diversified portfolio of specialized business

- Specialty focus and strong diversification has the potential to generate industry leading returns for shareholders, with lower volatility
- Established a team of experienced specialized underwriters with deep expertise across business units
- Strong balance sheet supported by conservative investment portfolio and prudent reserving practices
- Transformed our business over the past four years to markedly improve the risk management and diversification of our business
- Management team has a proven track record of success generating superior returns

Price/Book vs. ROE



1. Common stock price as a percentage of diluted book value per share as of February 18, 2010

Note: Composite peer median based on SNL data. Includes Allied World, Arch, Ren Re, Axis, Transatlantic, Everest, Partner Re, Montpelier, Platinum and Max Capital

Introduction to Endurance Specialty Holdings

- **Founded in 2001**
  - Focused on the principle of creating shareholder value through the creation of a diversified portfolio of specialized businesses
- **Strong Market Positioning**
  - Widely diversified, global specialty insurance and reinsurance provider
  - Over 700 employees in global offices across the United States, Bermuda, Europe, and Asia
  - Domiciled in Bermuda
- **Solid Financial Foundation**
  - Excellent financial strength with nearly $7.7 BN in assets, $3.4 BN in total capital and $2.8 BN in shareholders' equity as of December 31, 2009
    - High quality, low duration, liquid investment portfolio
    - Prudent loss reserves
  - Rated "A" by A.M. Best and Standard and Poor's and A2 by Moody's with stable outlooks
  - Received the highest ERM ranking of "Excellent" from Standard and Poor's
- **Excellent historical financial results**
  - Inception to date annualized operating ROE of 14.9%
  - Average annual operating ROE of 18.1% from 2007 though 2009
  - 20.2% average annualized growth in book value per share plus dividends since inception

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Our strategy is focused on delivering superior returns to shareholders

Active Portfolio Management

Focus on Specialty Lines of Business

Strong Balance Sheet and Efficient use of Capital

Our Vision
To become the best specialty insurance and reinsurance company in the world

Our commitments to Investors

- **Growth in book value**
- **Superior returns on equity across underwriting cycles**
- **Ethics, integrity, and transparency**

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Focus on specialty lines of business

Endurance management has actively expanded into specialty lines of business

Why specialization matters

- More attractive margins
- Better retention driven by deeper relationships and expertise
- Higher barriers to entry
- Stable earnings

Endurance strategy at work

- Wind exposed business focused on regional homeowner companies vs. more volatile commercial lines and offshore energy risks
- Expanded our U.S. based reinsurance and insurance specialty units
- Acquired ARMtech, a highly specialized , agriculture insurance company

Why Endurance is well-positioned to succeed

- **Deep underwriting knowledge** of markets and distribution across major specialty lines
- **Technological advantage** which improves our pricing ability and efficiency
- **Customized operating model** by market type
- Active portfolio management to **deploy and retract capital** in response to changing market conditions
- **Strong balance sheet** positions us well to compete, particularly against those who have faltered

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Active portfolio management

- While growing through specialization and building robust businesses that withstand both hard and soft cycles, we also maximize our returns through active portfolio management
- Organizational agility underpins our ability to allocate capital dynamically

Levers we employ in portfolio management

- Thoughtfully but aggressively entering markets when conditions are attractive
- Diversify risks through the introduction of low correlation businesses
- Actively monitor and react to changing market conditions
- Reduce exposures during soft markets
- Increase/decrease the amount of ceded business as necessary
- Exit selected business lines when fundamentals dictate doing so

Some examples

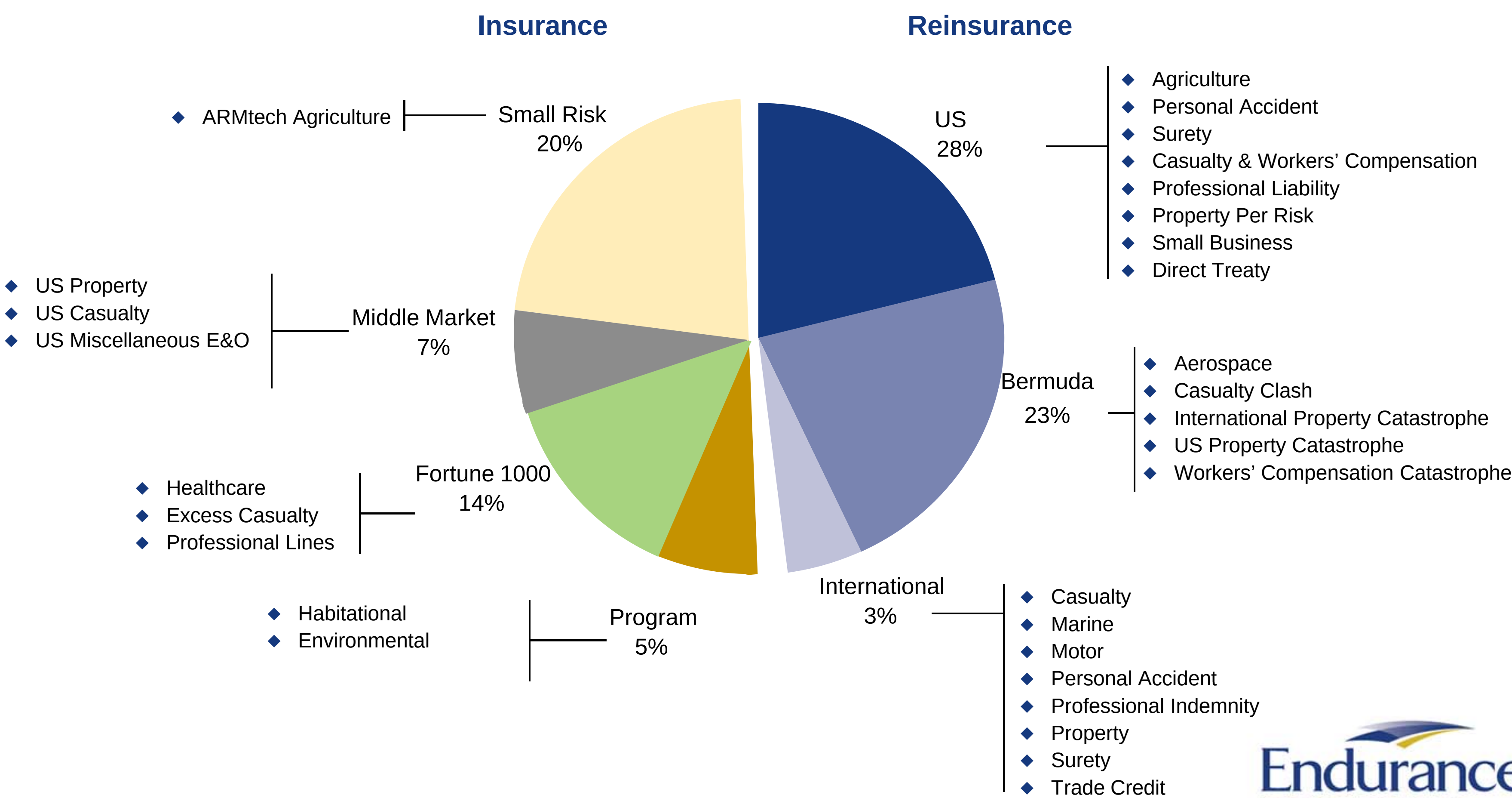
- Rapid entry into workers' compensation as the market became attractive in 2006; managed exit from the business as margins tightened in 2008
- Exited the UK property business when it did not meet our business mix and profitability requirements
- Introduction of surety, aerospace, and agriculture businesses, which have different risk profiles than catastrophe to create a more diversified portfolio
- Exited offshore energy and national property accounts in 2006 following Katrina, given unanticipated volatility and lack of model clarity; decision validated by 2008 results

Active portfolio management

We have successfully built a specialty focused and diversified portfolio of businesses

Endurance's business units

Full Year 2009 Net premiums written: $1.61 BN



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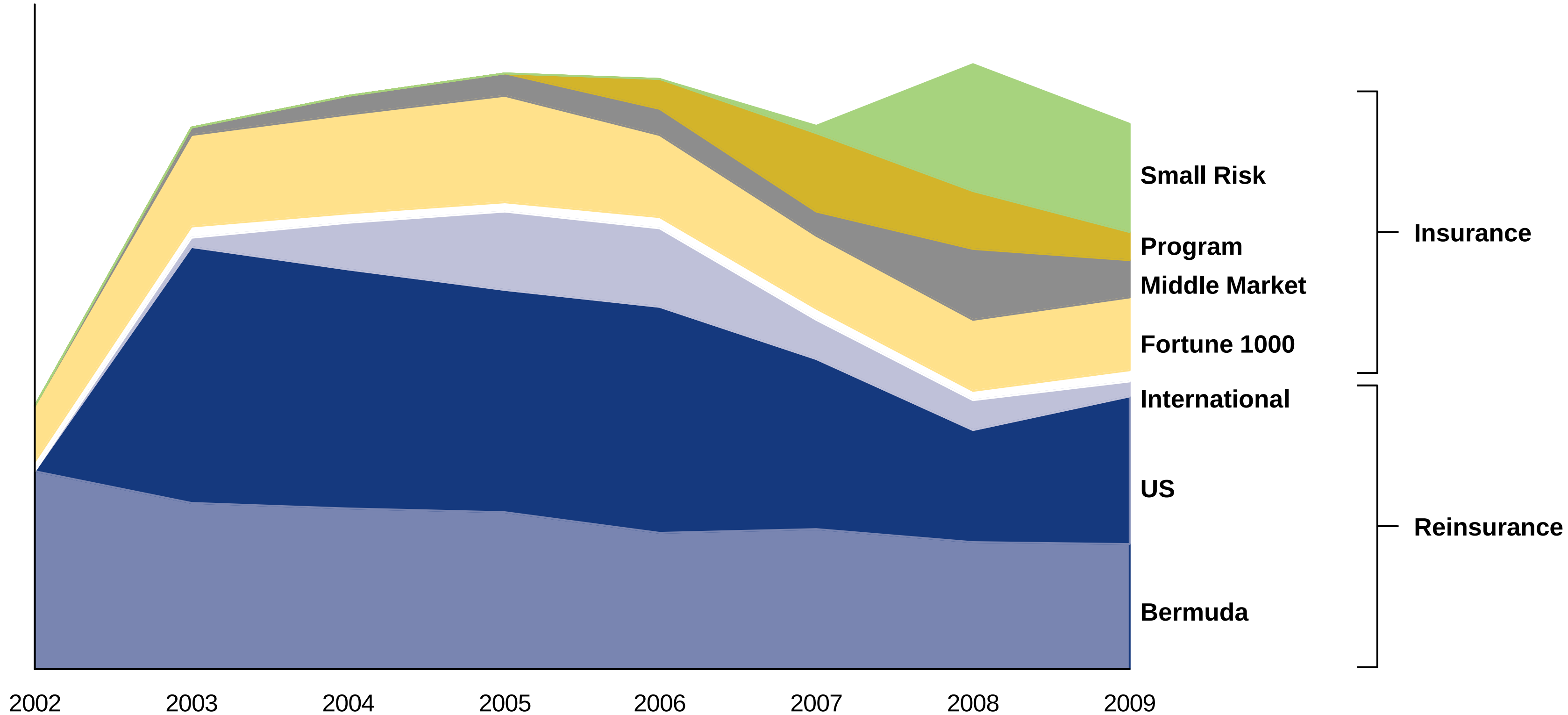
Active portfolio management

Meaningfully improved risk management and diversification of our business since 2005

Growth curve of our business
2002 - 2009



We have successfully identified new opportunities and added new underwriting expertise while remaining disciplined in softening markets

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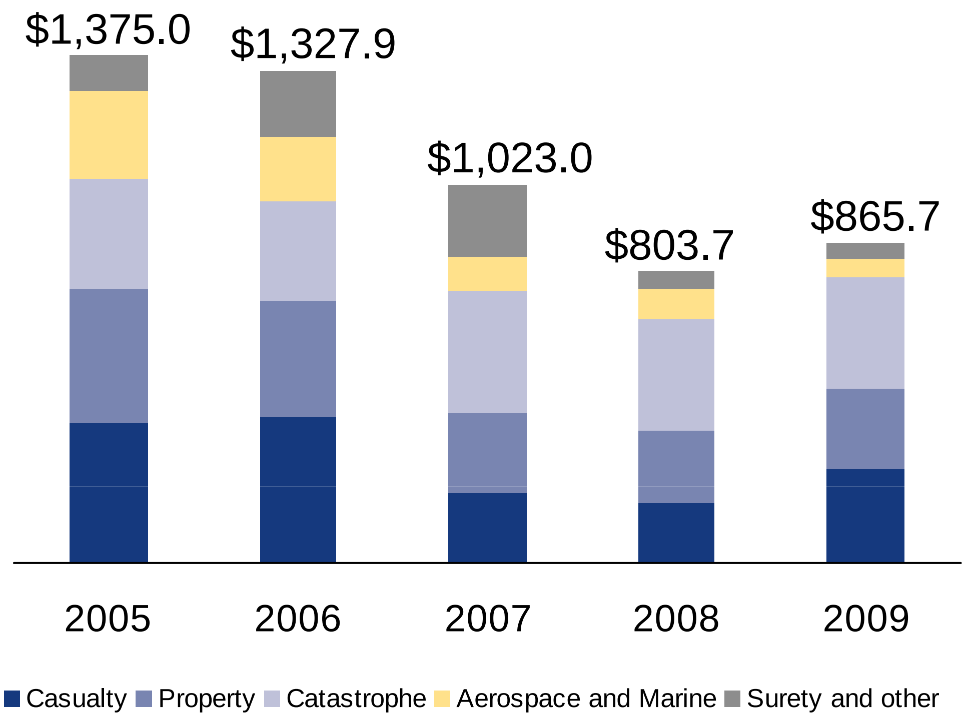
Active portfolio management

Reinsurance book has reduced due to cycle management but is highly scalable

Reinsurance net premiums written



Managing the reinsurance portfolio

- Active portfolio management has enhanced reinsurance portfolio:
  - Lines of business have been actively reduced where pricing, terms or data quality have not met our requirements
    - Casualty has declined 36% from its peak
    - Property has declined 40% since its peak
    - Aerospace and Marine has declined 79% from its peak
  - Discipline in the catastrophe markets has lead to stable premiums
- We have maintained our underwriting expertise and are well positioned to grow as opportunities arise

We have been disciplined in writing reinsurance business as evidenced by the portfolio being down 37% from 2005 to 2009 in a softening rate environment

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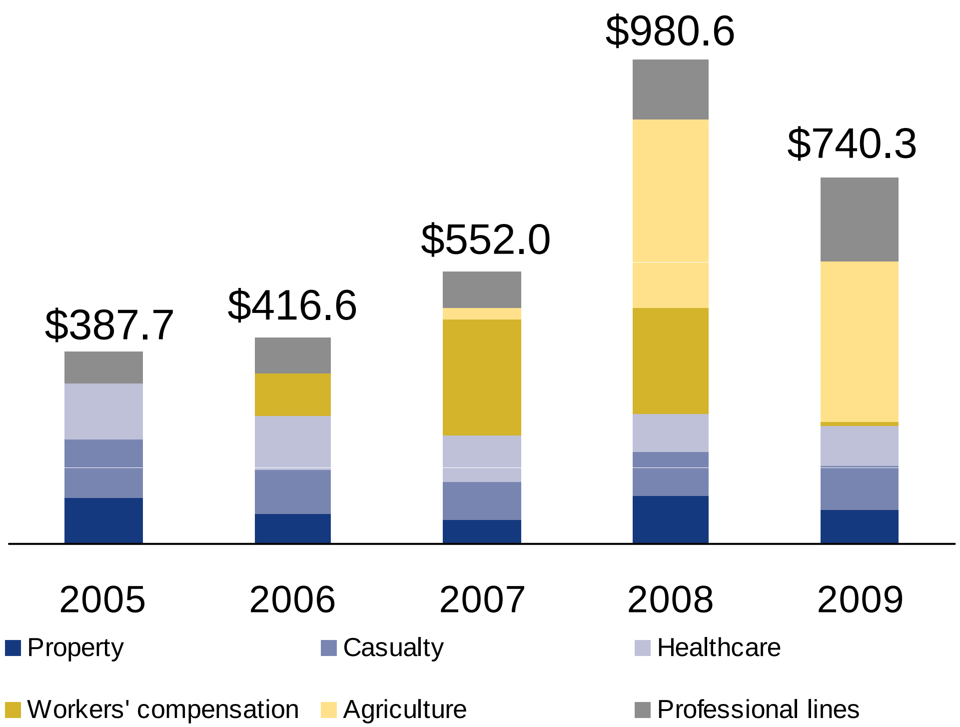
Active portfolio management

Continue to expand insurance capabilities while maintaining discipline

Insurance net premiums written



Managing the insurance portfolio

- We have significantly broadened our insurance capabilities.
  - Added agriculture line of business through the acquisition of ARMtech
  - Opportunistically grew and exited California's workers' compensation
  - Expanded professional lines through addition of underwriting teams and new relationships
  - Meaningfully expanded our distribution relationships
- Maintained pricing and relationships in large risk insurance in an increasingly competitive environment

Since 2005 we have meaningfully added new capabilities and distribution relationships within our insurance franchise while exiting unprofitable lines

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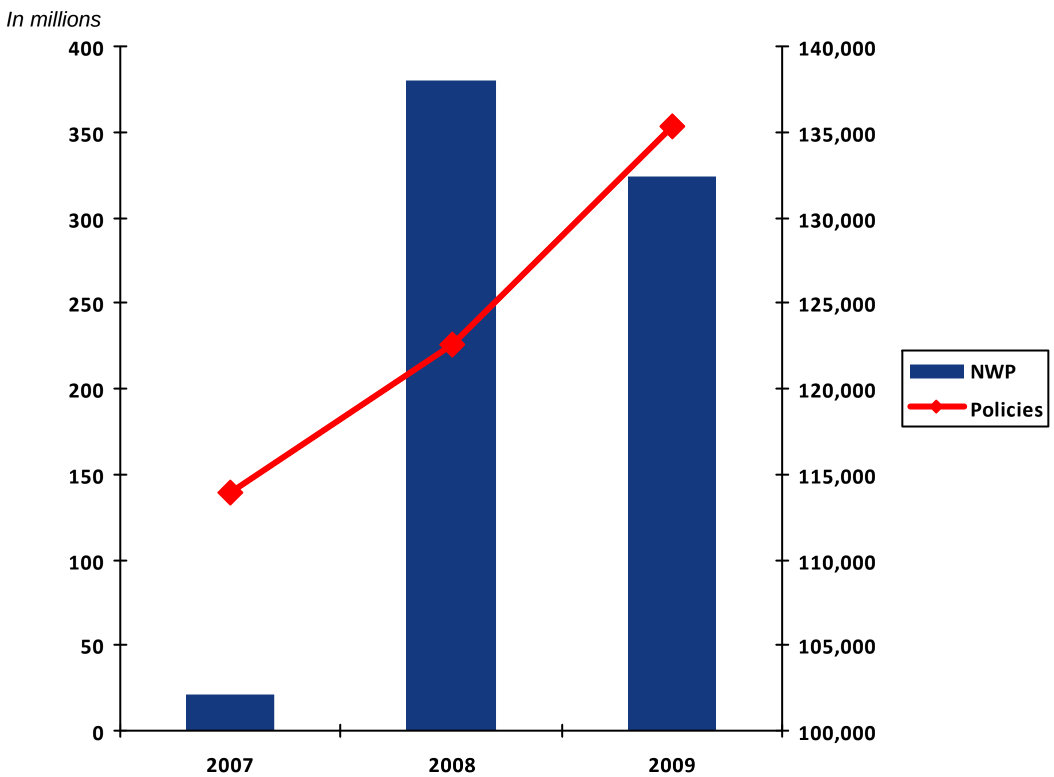
Active portfolio management

Acquired ARMtech in late 2007 – a highly specialized crop insurance company

ARMtech NWP and Policy Counts



ARMtech has exceeded expectations

- Since acquiring ARMtech we have significantly invested in growing the business.
  - Added marketing staff
  - More than doubled the claims staff
  - Expanded agent base by 12% since 2007
- The result of these efforts has led to policy counts growing by approximately 10% per year
- ARMtech's underwriting results have remained strong despite challenging environment

Per NCIS, Armtech is the only company in the top five MPCI writers to gain market share in the 2009 reinsurance year

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Strong balance sheet and efficient use of capital

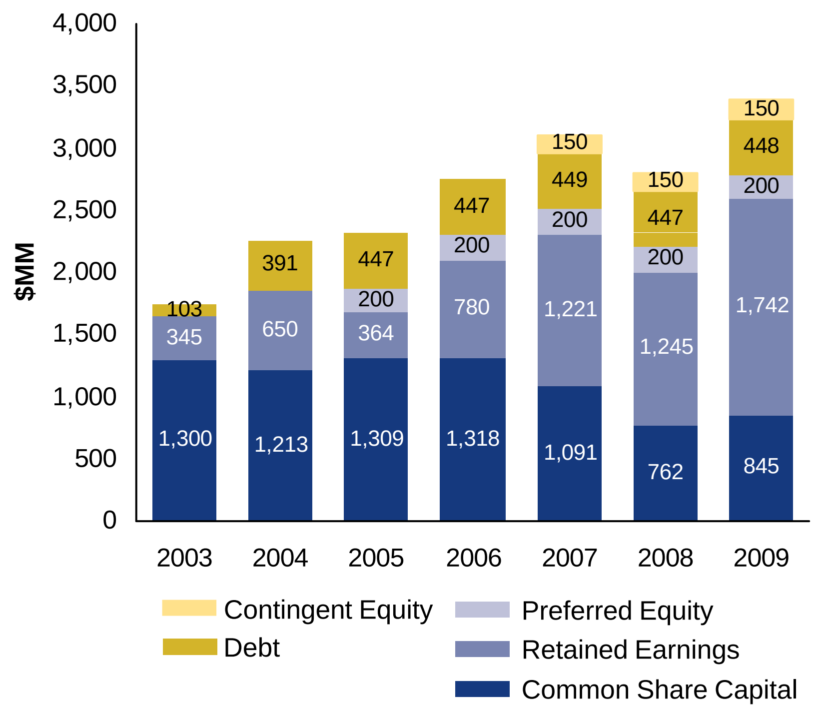
We have built an efficient capital base and maintain ample liquidity

Strong and flexible capital structure

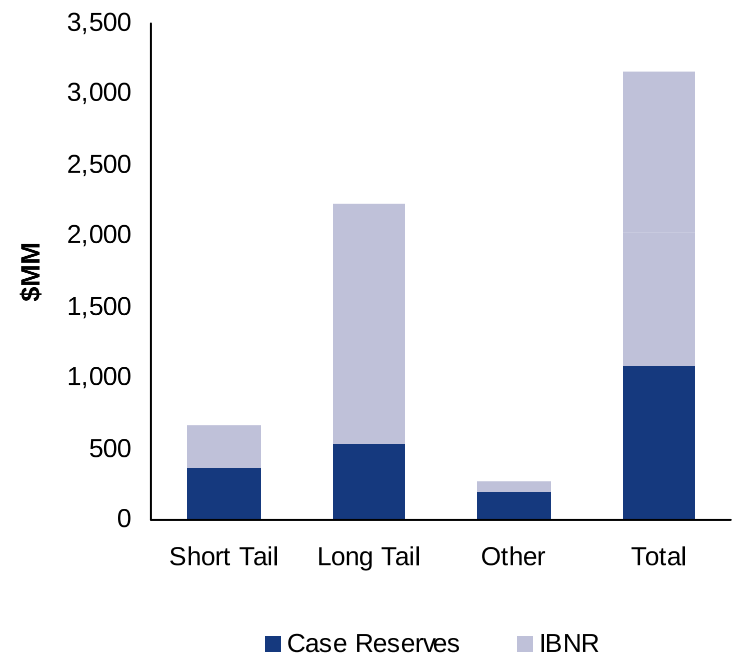
- Rated "A" by A.M. Best and S&P; A2 by Moody's
- Debt to total capital of 13.8%

Prudent and strong reserves

- IBNR represents 65% of company reserves
- 76% of long tail reserves are IBNR



Reserves as of December 31, 2009



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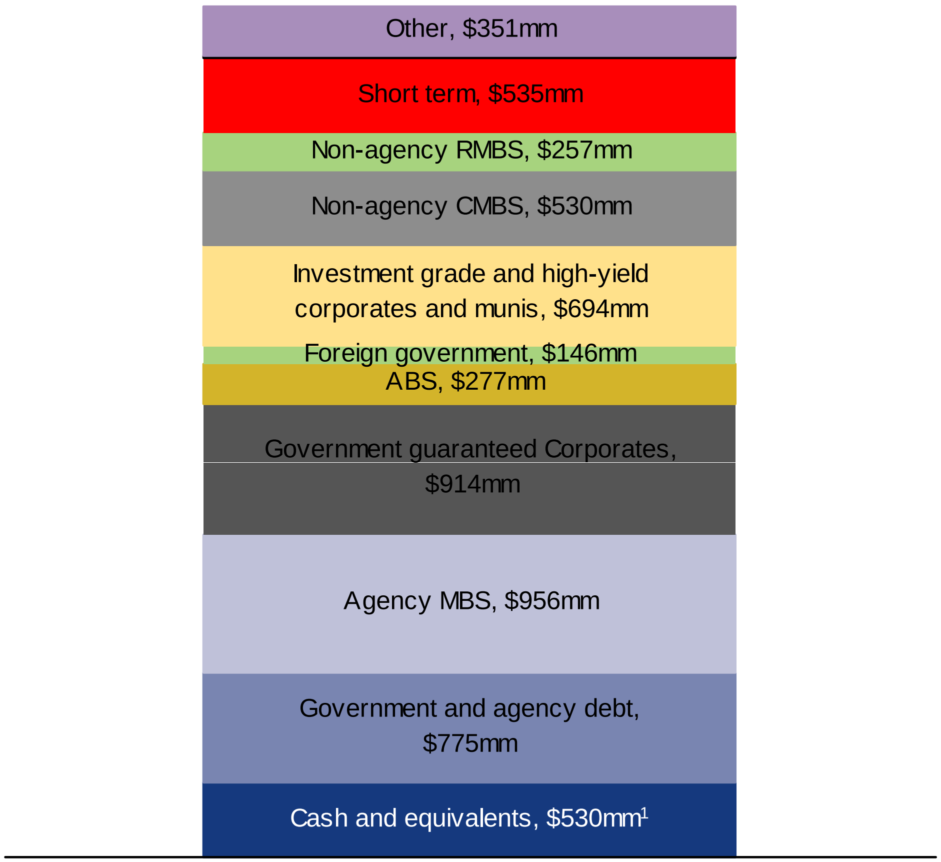
Strong balance sheet and efficient use of capital

Endurance maintains a prudent, highly liquid investment portfolio

$6.0 Billion in Investments



- Market yield: 3.08%
- Average rating: Aa+/AA+
- Book yield: 3.35%
- Duration: 2.30 years

(1) Net of investments pending settlement

Managing the investment portfolio

- Maintain a high quality, liquid investment portfolio
  - 53.2% of investments are in cash, U.S. Government or U.S. Government backed securities
- We have actively reduced the duration of the investment portfolio to 2.3 years
  - Protects against rising interest rates
    - Reduces potential book market impact
    - Retain ability to redeploy assets into higher yielding securities
  - Some near term pressure on net investment income

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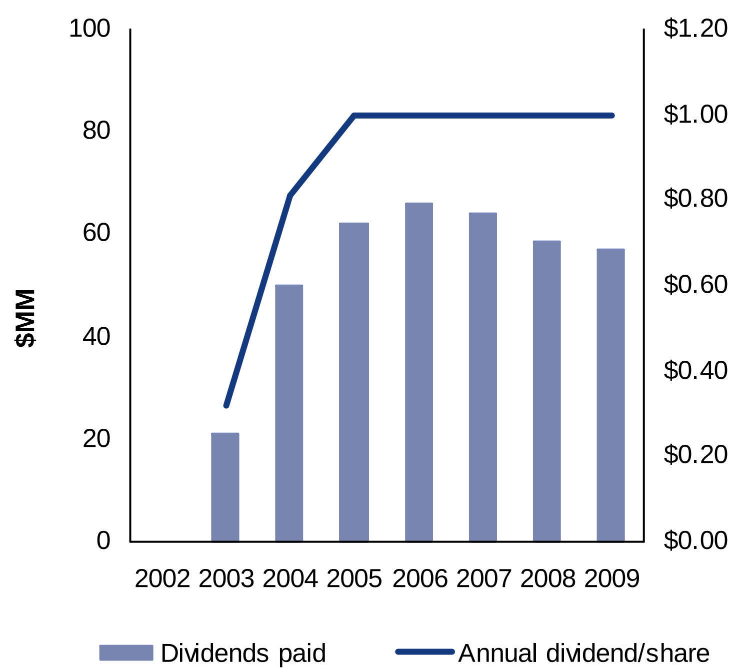
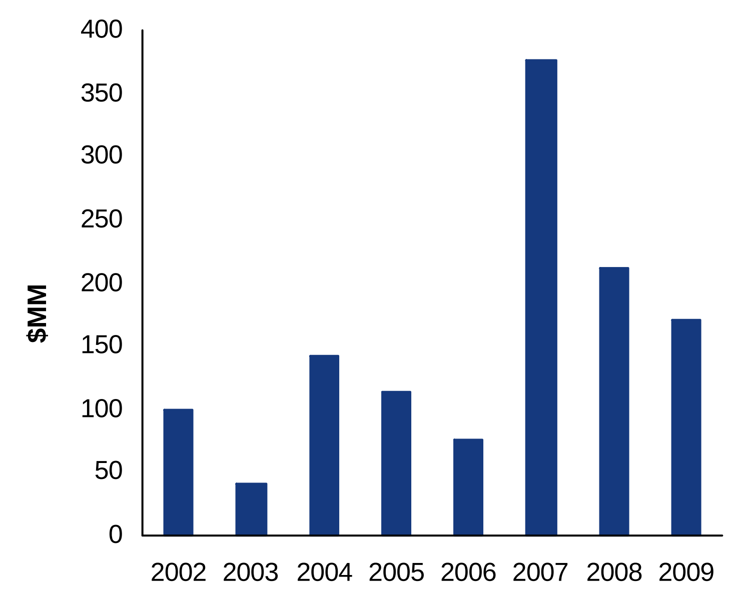
Strong balance sheet and efficient use of capital

We have maintained a disciplined capital management approach

Pay an attractive dividend yield



Capital returned through share repurchases and dividends



Actively manage capital and have returned in excess of $1.2BN in capital to shareholders, inception-to-date

Note: Dividend yield based on common shares. Endurance also issues a $1.94 dividend to its preferred shares on an annual basis.

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Our results
Summary

- Strong return to shareholders
  - Inception to date average total return to common investors of 20.2%. Total return measured by the annual change in diluted book value per common share plus dividends divided by beginning diluted book value per share.
- Superior returns on equity
  - 18.1% average annual operating ROE from 2007 through 2009, and better than peer median throughout the cycle
  - 14.9% inception to date average annual operating ROE
- Exceptional underwriting performance
  - Inception to date combined ratio of 91.1%
  - 2009 aided by benign catastrophe season
- Disciplined capital management approach exemplified by
  - Attractive dividend yield of ~3-4%
  - In excess of $1.2 billion of capital returned to shareholders since inception

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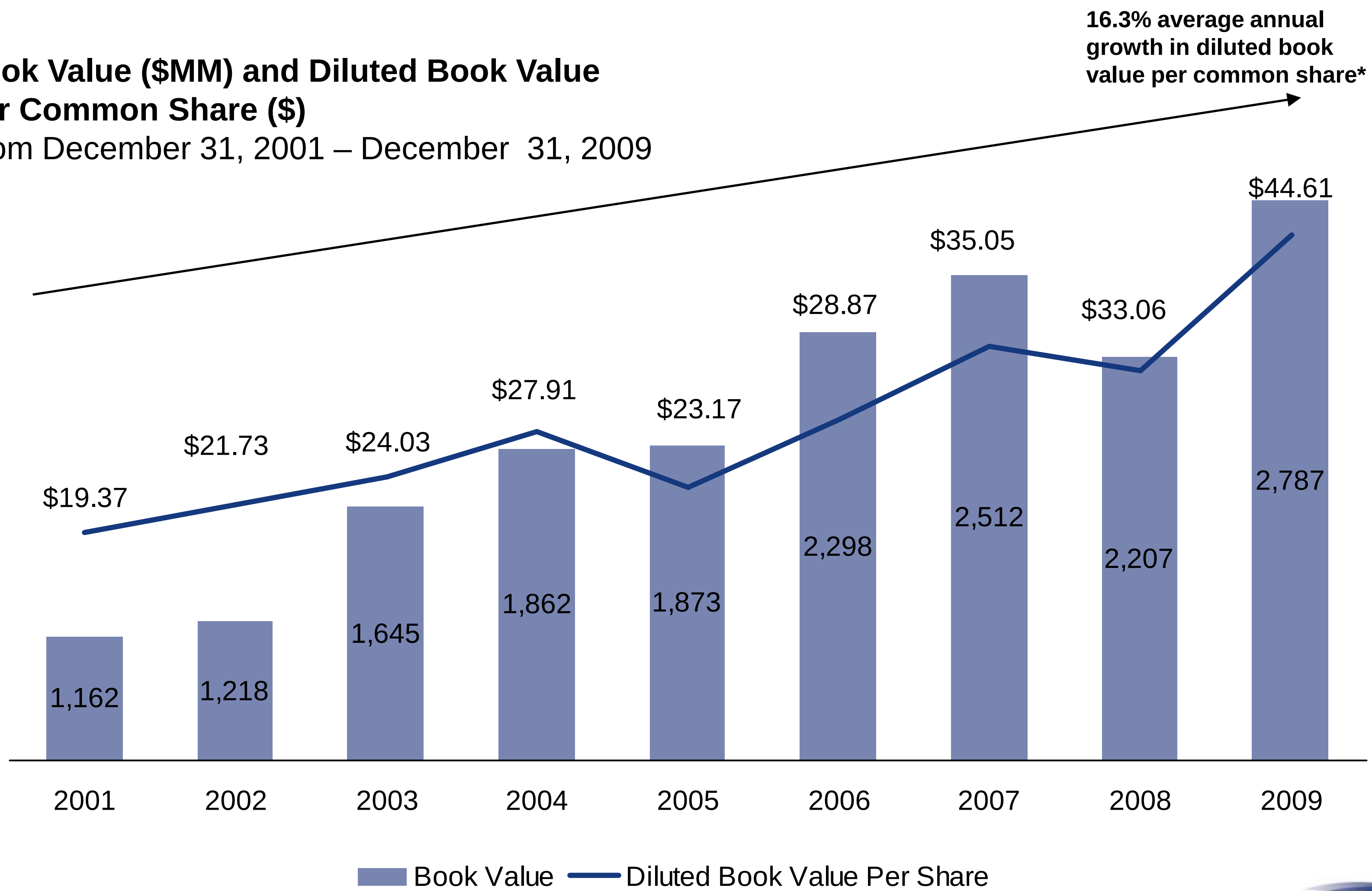
Our results

Diluted book value per common share has grown tremendously on an absolute basis…

Book Value ($MM) and Diluted Book Value Per Common Share ($)
From December 31, 2001 – December 31, 2009



Note: Diluted Book Value Per Share calculated on weighted number of average diluted shares outstanding.
* Calculated on a simple (non-compounded) average

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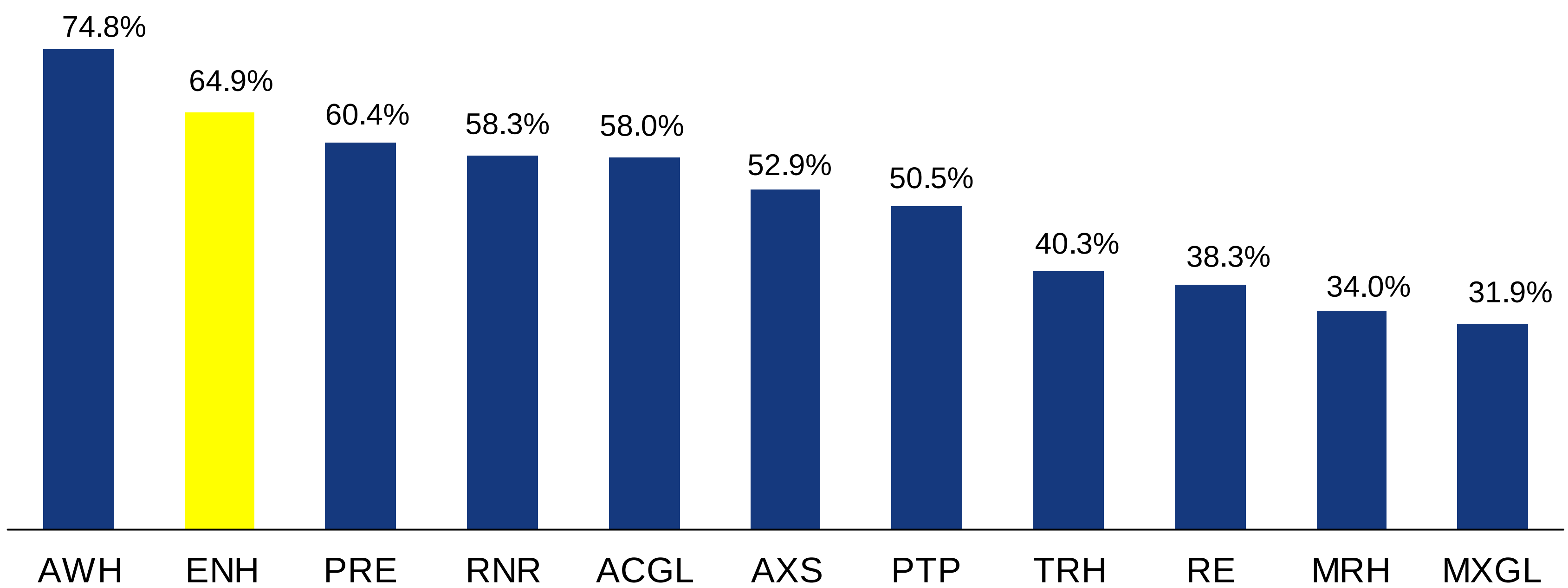
Our results

Book value per common share has also grown tremendously on a relative basis

Book Value Per Share Plus Dividend Growth
From December 31, 2006 – December 31, 2009



Note: Book value per share and dividend data provided by SNL

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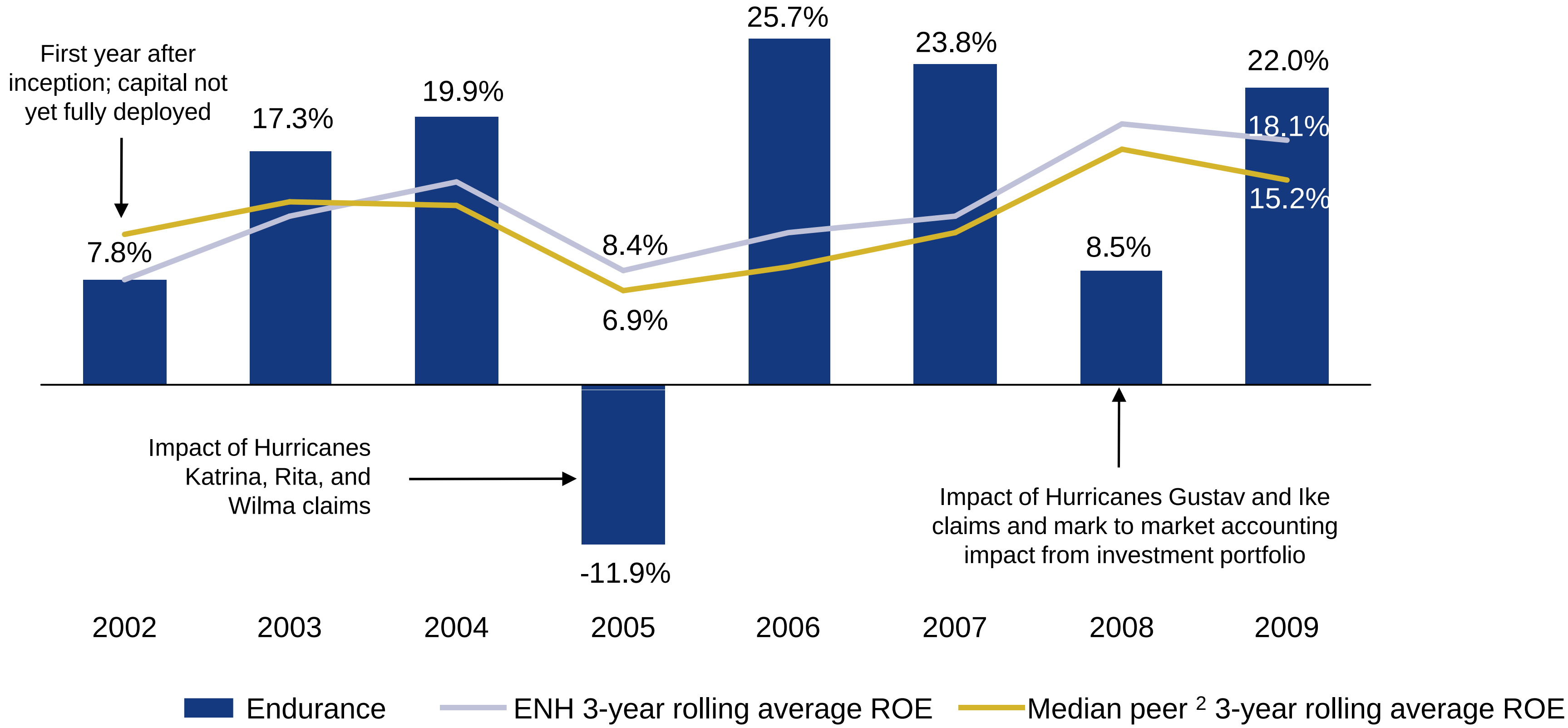
Our results

We have outperformed peers throughout the cycle[1]

Operating ROE(%)[1]
From 2002-2009



1. ROE is defined as 3-yr rolling average operating ROAE
2. Composite peer median based on SNL data. Includes Allied World, Arch, Ren Re, Axis, Transatlantic, Everest, PartnerRe, Platinum, Montpelier and Max Capital

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Conclusion

Endurance is a compelling investment opportunity

- Endurance offers investors significant upside potential, based on combination of:
  - Strong franchise positions in attractive specialty markets
    - Globally diversified portfolio of insurance and reinsurance units operated with deep and distinctive expertise
    - Superior distribution capabilities with strong access to independent agent, middle market and retail distribution networks
    - Active portfolio management actions have maintained strong risk adjusted return potential while reducing overall volatility
  - Excellent balance sheet strength and liquidity
    - High quality fixed income investment portfolio offers upside potential from current market values
    - Prudent reserving philosophy and strong reserve position; Strong history of favorable development
    - Industry leading ERM
  - The outlook for Endurance's key areas of specialization remain attractive
    - Agriculture business is price controlled and returns are enhanced by increasing inflation environment
    - Catastrophe lines have remained disciplined and profitable
    - Profitable niches within specialty lines exist
  - Relative value vs. peers
    - ENH currently trading at a discount to book, which appears unwarranted given strong absolute and relative performance and strong positioning

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Appendix

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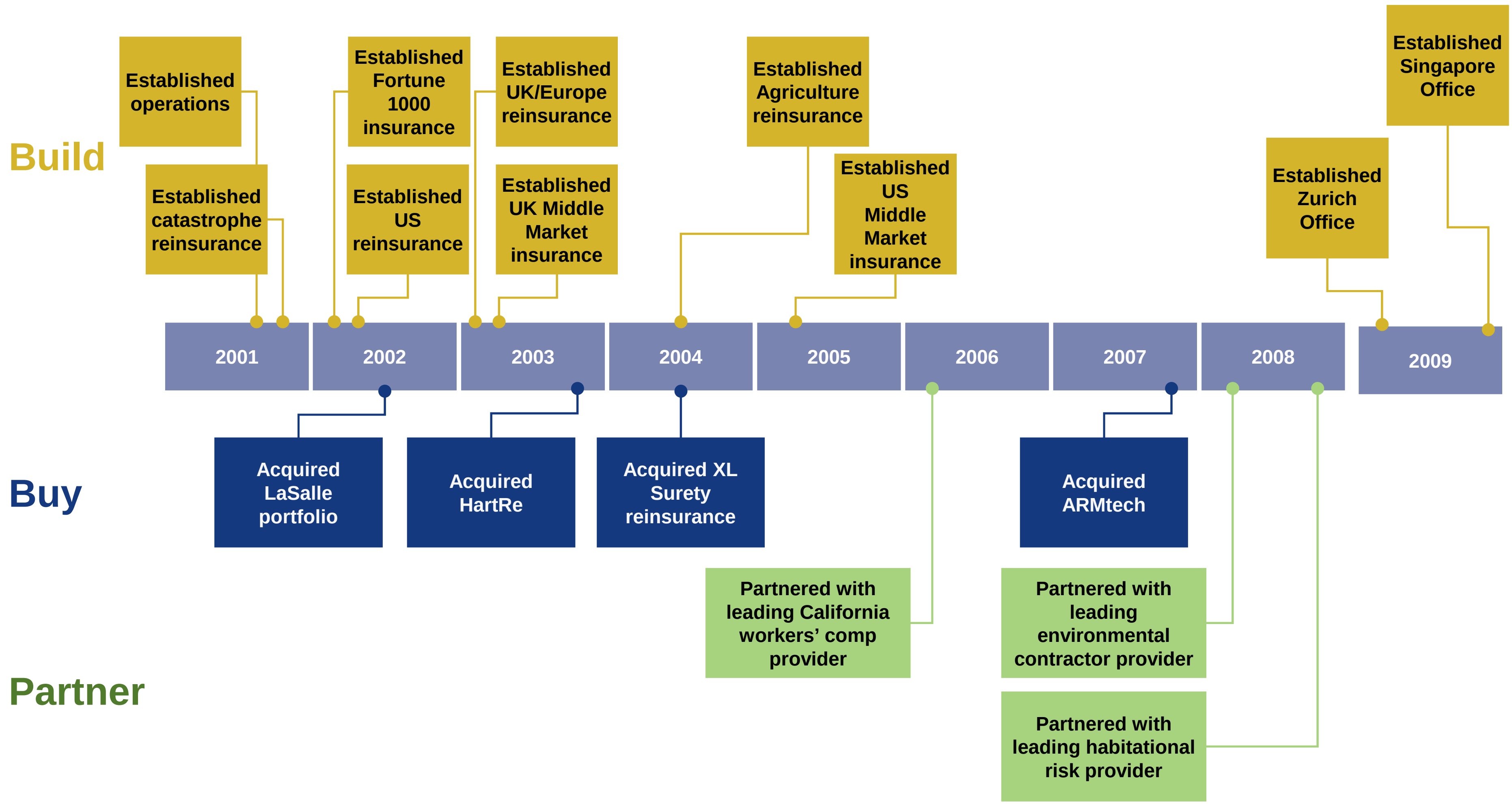
Growth through specialization

We have a strong track record of entering new businesses to meet our strategic aims



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Balance sheet strength and durability

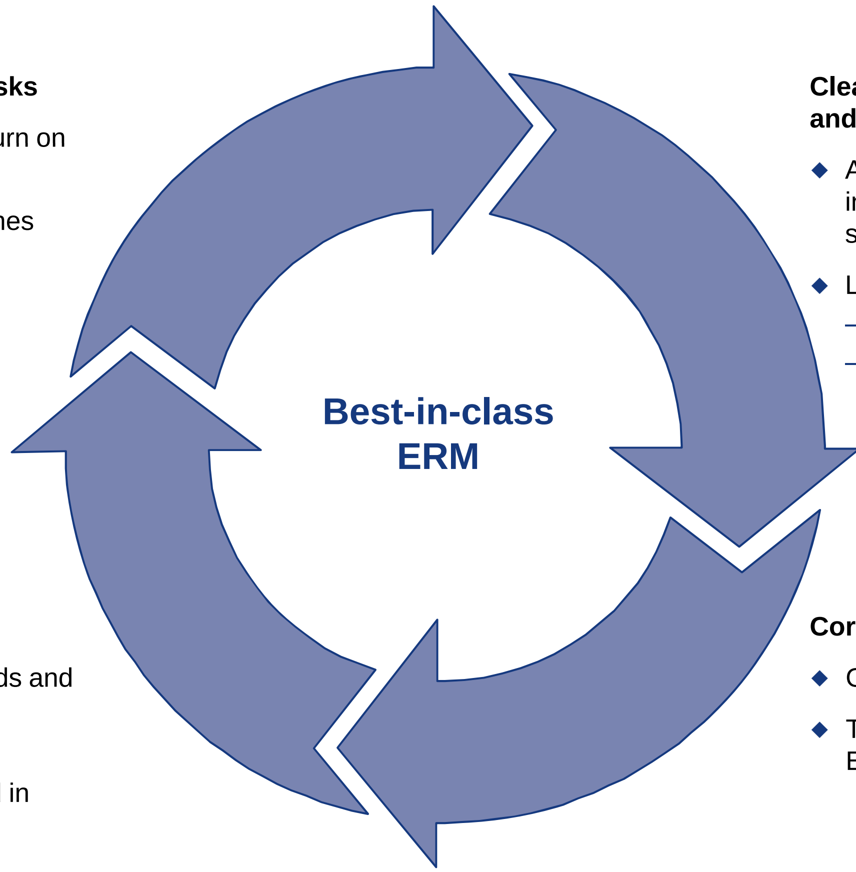
Our commitment to ERM supports superior performance

Optimally manage capital and risks

- Manage towards a required return on risk-adjusted capital
- Quantify risks taken and limit ones that threaten solvency/viability

Clearly defined risk tolerances and controls

- Asset management: approach incorporates capital-at-risk limits, stress testing and ratings triggers
- Liability management
  - Concentration management
  - Delegated authorities



Strong governance structure

- Senior management understands and values ERM as a source of competitive advantage
- Board of Directors highly skilled in insurance and finance

Corporate culture

- Ownership mentality
- Transparency and communication of ERM strategies

"Excellent" ERM rating by S&P in 2008, affirmed in 2009
Youngest company and one of only five P&C companies in the world to achieve the highest designation

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Business organization and competitive advantages

Endurance

Diverse mix of access to exposure, split between insurance and reinsurance, and across customer segments

Insurance 46%

Reinsurance 54%

Each of our businesses are led by industry leading professionals with market expertise and maintain the following sources of competitive advantage

Insurance

Small Risk

- Service and technology-based distribution strategy
- Strong local presences
- Strong product development
- Cost-efficient production

Middle Market

- Professional team with extremely strong underwriting experience
- Long-term relationships (over 20 years) with key brokers
- Very strong reinsurance relationships

Fortune 1000

- Individual risk underwriting model, as opposed to market share approach
- Very low historical loss ratio based on superior underwriting
- Deep distribution management capabilities

Program

- Utilize technology to enhance control environment
- Multi-disciplined teams of professionals dedicated to program management and oversight
- Access to business through combination of insurance and reinsurance networks

Reinsurance

US

- 3-pronged underwriting approach
  - Specialized
  - Relationship-based
  - Opportunistic
- Dedicated professional teams with skills tailored to each approach

Bermuda

- Face-to-face service model and access to global network of clients
- Industry leading underwriting margins
- Aggressive portfolio management
- Industry leading technology and modeling

International

- Distinctive footprint and lean underwriting approach vs. most Bermuda competitors
- Shifting focus of business to Zurich and Singapore
- Strong local market presence with experienced professionals

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Financial results for full year 2009

Financial highlights

$MM (except per share data and %)	December 31, 2009	December 31, 2008	$ Change	% Change
Net premiums written	1,606.1	1,784.3	(178.2)	(10.0)
Net premiums earned	1,633.2	1,766.5	(133.3)	(7.5)
Net investment income	284.2	130.2	154.0	182.8
Net underwriting income	265.3	110.8	154.5	139.4
Net income	536.1	98.6	437.5	NM
Operating income	520.7	198.0	322.7	NM
Fully diluted net income EPS	8.69	1.31	7.38	NM
Fully diluted operating EPS	8.43	2.88	5.55	NM

Key operating ratios

	December 31, 2009	December 31, 2008
Operating ROE	22.0%	8.5%
Net loss ratio	53.1%	64.3%
Acquisition expense ratio	16.4%	17.0%
General and administrative expense ratio	14.5%	12.2%
Combined ratio	84.0%	93.5%
Diluted book value per share	$44.61	$33.06
Investment leverage	2.49	2.57

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Full year net written premiums

Insurance Segment

In $MM	December 31, 2009	December 31, 2008	$ Change	% Change
Property	68.0	98.0	(30.0)	(30.6)
Casualty	91.1	86.6	4.5	5.2
Healthcare liability	78.3	80.0	(1.7)	(2.1)
Workers' compensation	11.4	215.8	(204.4)	NM
Agriculture	324.5	380.7	(56.2)	(14.8)
Professional lines	167.1	119.4	47.7	39.9
Total insurance	740.3	980.6	(240.3)	(24.5)

Reinsurance Segment

In $MM	December 31, 2009	December 31, 2008	$ Change	% Change
Casualty	254.9	162.6	92.3	56.8
Property	215.1	192.6	22.5	11.7
Catastrophe	302.2	302.1	0.1	-
Aerospace and marine	42.6	77.0	(34.4)	(44.7)
Surety and other specialty	51.0	69.4	(18.4)	(26.5)
Total reinsurance	865.8	803.7	62.1	7.7

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Financial overview: historical

Financial highlights from 2002 through 2009

In $MM	2002	2003	2004	2005	2006	2007	2008	2009	2002 through 2009
Net premiums written	765	1,598	1,697	1,619	1,586	1,575	1,784	1,606	12,230
Net premiums earned	369	1,174	1,633	1,724	1,639	1,595	1,766	1,633	11,533
Net underwriting income	51	179	232	(410)	304	322	111	265	1,055
Net investment income	43	71	122	180	257	281	130	284	1,369
Net income before preferred dividend	**102**	**263**	**356**	**(220)**	**498**	**521**	**99**	**536**	**2,155**
Net income available to common shareholders	**102**	**263**	**356**	**(223)**	**483**	**506**	**83**	**521**	**2,090**
Diluted EPS	**$1.73**	**$4.00**	**$5.28**	**($3.60)**	**$6.73**	**$7.13**	**$1.31**	**$8.69**	

Key operating ratios	2002	2003	2004	2005	2006	2007	2008	2009	Inception-to-date
Combined ratio	86.2%	84.7%	85.8%	123.5%	81.5%	79.9%	93.5%	84.0%	91.1%
Operating ROE	7.8%	17.3%	19.9%	(11.9%)	25.7%	23.8%	8.5%	22.0%	14.9%
Book value per share	$21.73	$24.03	$27.91	$23.17	$28.87	$35.05	$33.06	$44.61	

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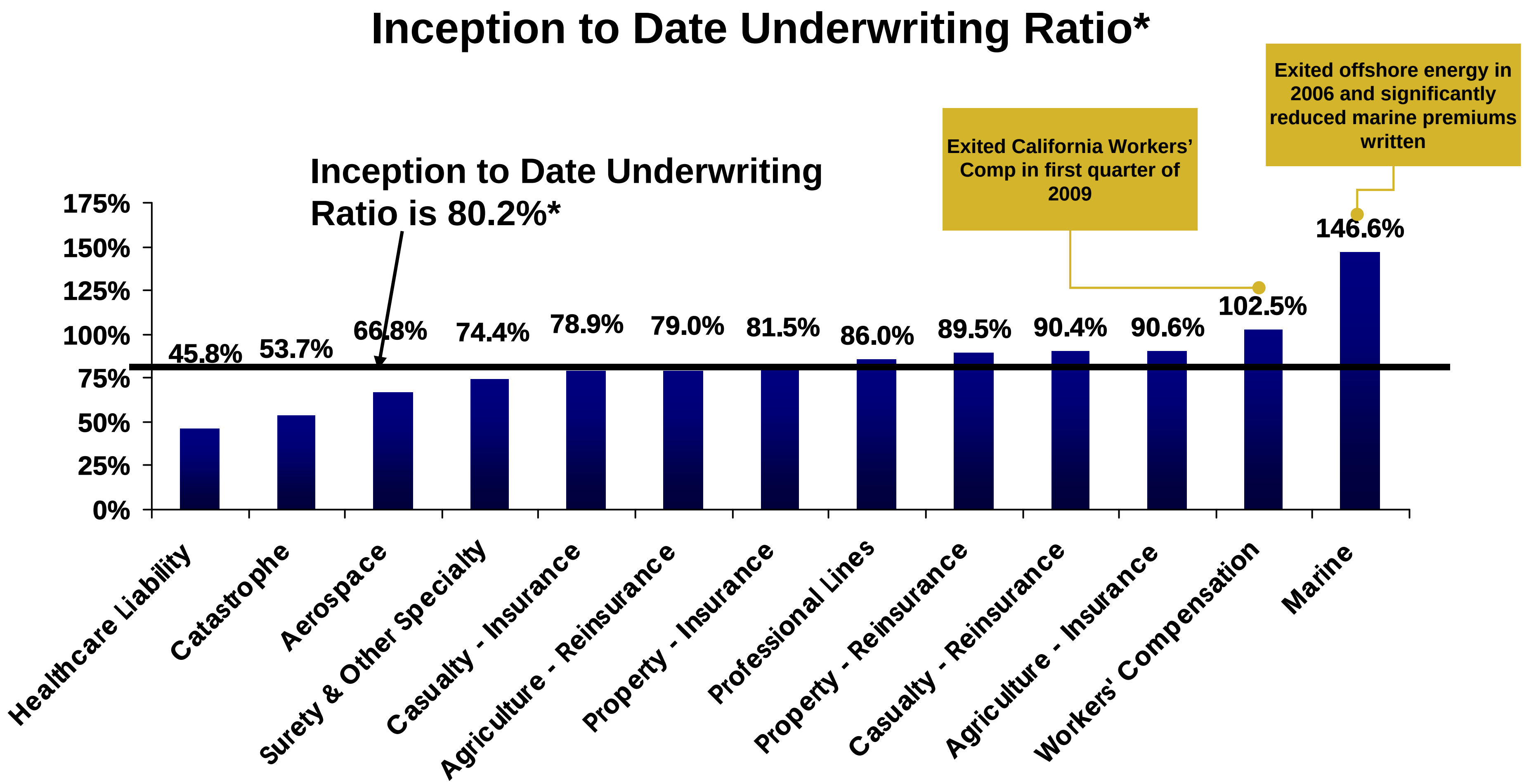
Underwriting results have been strong



** Underwriting ratio is defined as losses and acquisition expenses divided by earned premium, from inception through 12/31/09 and is before deposit accounting adjustments.*

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