

Endurance Specialty Holdings Ltd.

Wachovia Conference

Ken LeStrange
Chief Executive Officer



Forward Looking Statements

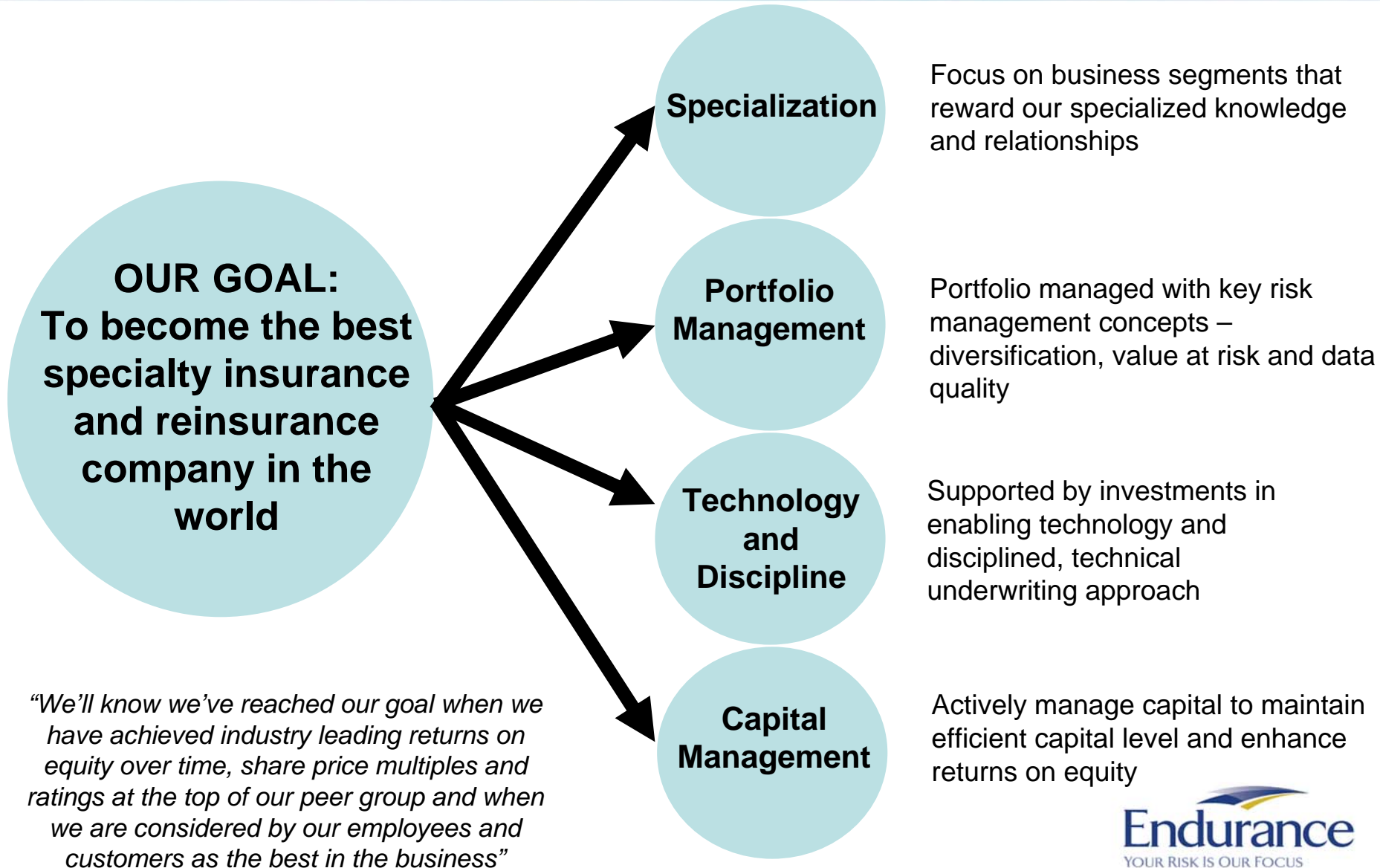
Statements contained in this presentation that are not based on current or historical fact are forward-looking in nature. Such forward-looking statements are based on current plans, estimates and expectations and are made pursuant to the Private Securities Litigation Reform Act of 1995. Forward-looking statements are based on known and unknown risks, assumptions, uncertainties and other factors. The Company's actual results, performance, or achievements may differ materially from any future results, performance, or achievements expressed or implied by such forward-looking statements. The Company undertakes no obligation to publicly update or revise any forward-looking statement.

Discussion Objective

Today's discussion will highlight:

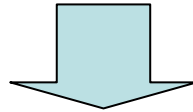
- Our thoughtful approach to the insurance and reinsurance markets
- Our preparation for the impending soft cycle
- Our diversified and differentiated book of business
- Our history of completing value enhancing acquisitions, and
- Our strong operating results, our high quality balance sheet and excellent financial strength

Philosophy & Strategy



Endurance Poised to Succeed in Challenging Markets

A Softening Market is the Biggest Challenge We are Facing Today



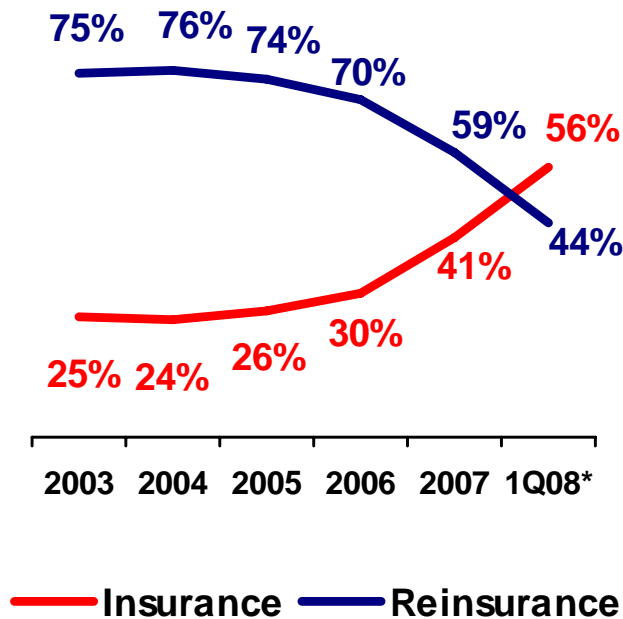
What Endurance does to succeed throughout market cycles:

- Maintain a diverse portfolio of highly specialized businesses
- Perform rigorous price monitoring
- Proactively audit claims and underwriting activities of clients
- Maintain prudent reserving practices
- Non renew business not meeting Endurance's standards for price, data quality, claims handling
- Actively manage capital

Our Book of Business is Well Diversified

Total Written Premiums of \$2.1 Billion*

By Segment

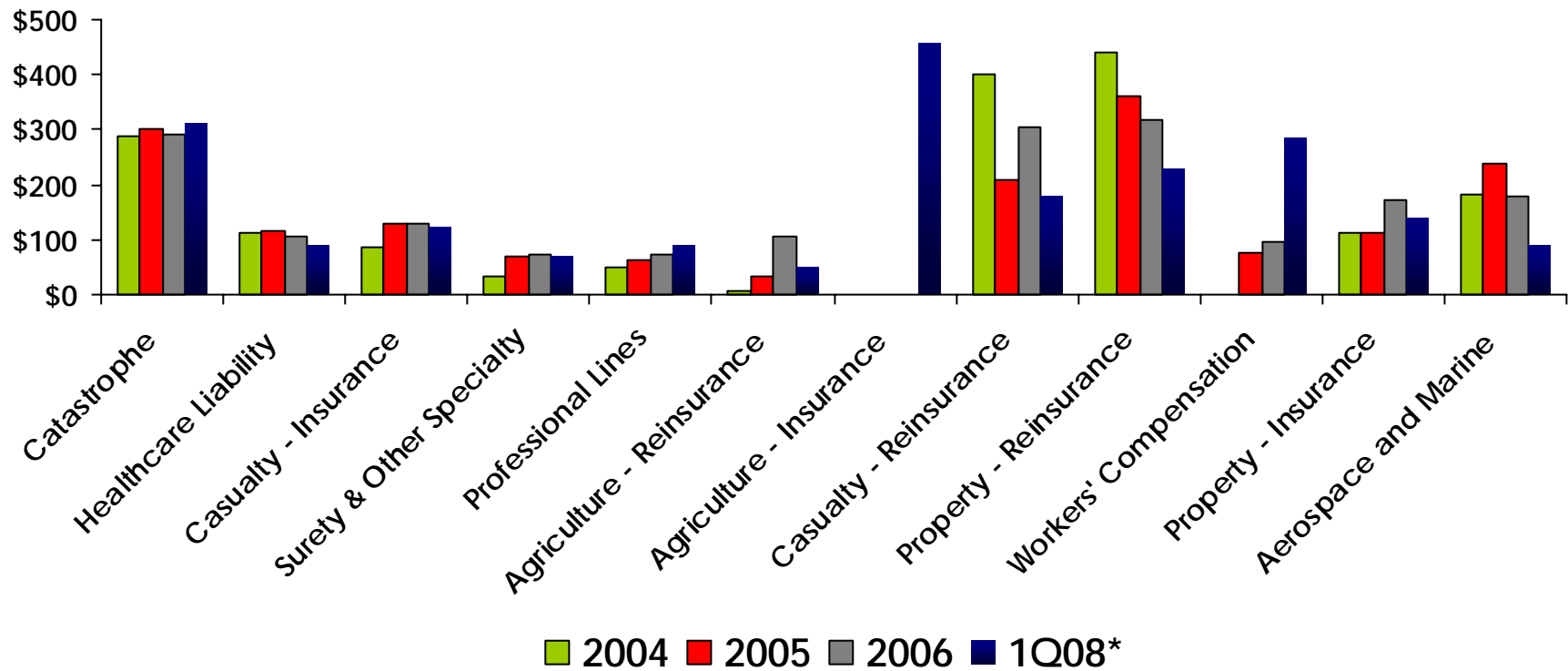


- Since inception, the company has written both insurance and reinsurance products
 - Early acquisitions led to a heavier concentration in the reinsurance portfolio
 - Targeted growth in U.S. based insurance lines has led to a more balanced portfolio
- Portfolio is well balanced with property, casualty and specialty classes of business
- Well diversified distribution among retail and middle market brokers and independent agent force

*Includes deposit premiums, based on the 12 months ended March 31, 2008

Our Book of Business is Well Diversified

By Line of Business



•Includes deposit premiums, based on the 12 months ended March 31, 2008

Reinsurance Segment Differentiation

Endurance differentiates its reinsurance by:

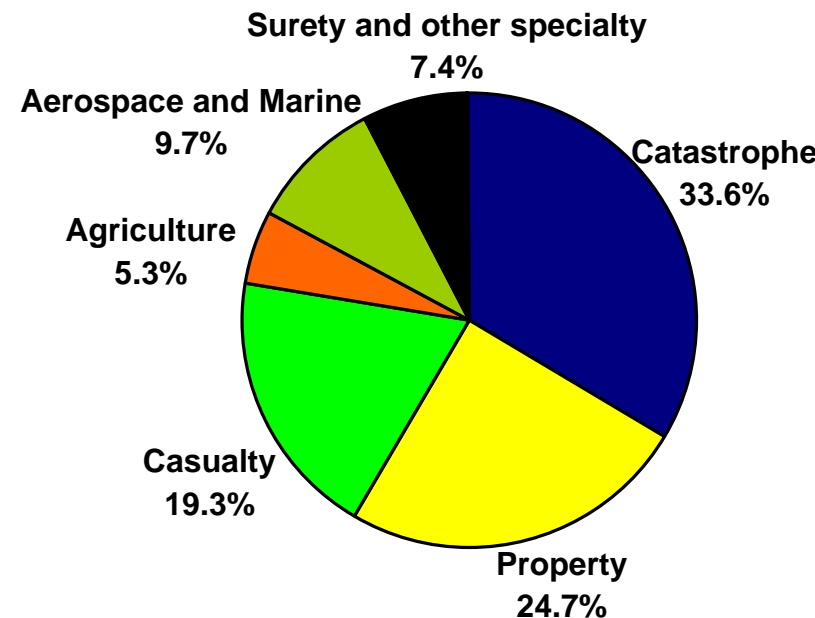
- Focusing on clients that are leading experts in their specialty
- Having industry experts lead each business unit
- Leading market in performance of value added claims and underwriting audits
- Strategically located in key global reinsurance markets (Bermuda, NY, London, Zurich, Singapore)

Property catastrophe business

- Leading underwriter of world wide catastrophe risk
- Proprietary modeling technology
- Cycle exists, but market remains technically driven
- Peak exposures include US Wind, CA Earthquake, European Wind/Flood
- Excellent long term profitability even with large cats

Reinsurance Total Written Premiums of \$924 million*

By Line of Business



Insurance Segment Differentiation

Technology, expertise and distribution will allow us to optimize cycle performance

Bermuda

- Excess casualty, D&O and healthcare:
 - Leading market providers
 - Mature portfolio
 - Volatile classes of casualty insurance require highly specialized underwriting and have produced strong historical results

U.S. Based Insurance

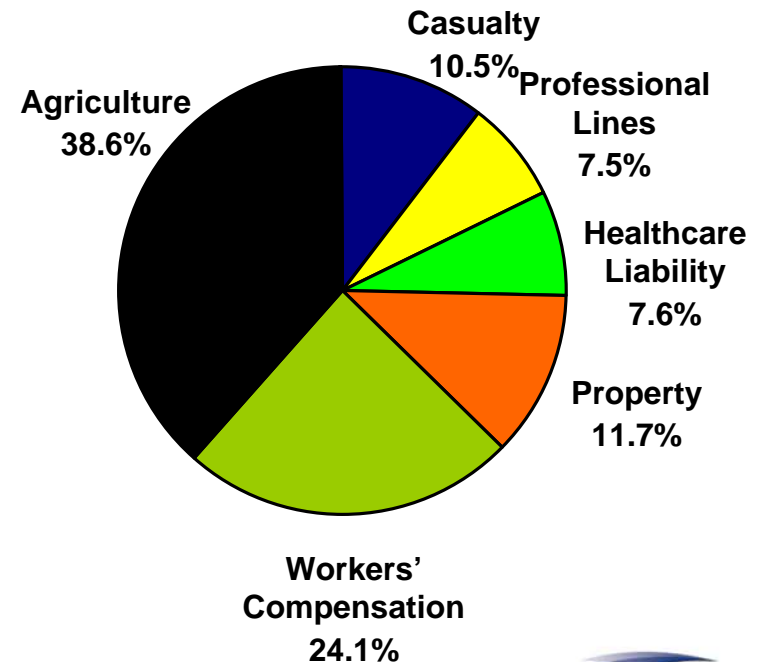
- Specialty excess and surplus insurance, workers compensation and agriculture
- Diversification, capital utilization and return potential significantly enhanced by ARMtech acquisition
- Specialized teams of underwriters added to further expand and diversify E&S operations

UK Property Business

- Lead Market for UK Middle Market Property Insurance
- New Construction Unit

Insurance Total Written Premiums of \$1.2 billion*

By Line of Business



A History of Innovative Acquisitions

➤ Endurance has completed several attractive transactions since its inception

- Avoid legacy issues
- Accretive to earnings

➤ Key acquisition criteria

- Insurance or reinsurance business
- Can be effectively integrated
- Endurance controls acquired business
- Failure will not threaten viability of Endurance
- Quickly accretive to earnings
- Provides specialty expertise
- Transfers minimal legacy liabilities
- Does not create significant risk aggregations

2002

2003

2004

2007

LaSalle Re
Property Cat
Renewal Rights
\$170M in premium

Hart Re
Reinsurance Business
Renewal Rights
\$800M in premium

XL Re
Surety Business
Renewal Rights
\$45M in premium

ARMtech
Agriculture Business
Acquisition
\$500M+ in premium

Agriculture Insurance/Reinsurance Case Study

➤ Agriculture industry

- Fast growing part of the economy
- Core product is MPCCI (multi peril crop insurance) which is part of federal crop insurance program
- Underwriting is specialized, technical and data intensive
- Intrinsically profitable
- Reinsurance has steadily become more competitive over last four years
- Insurance results are typically better than reinsurance

➤ ARMtech overview

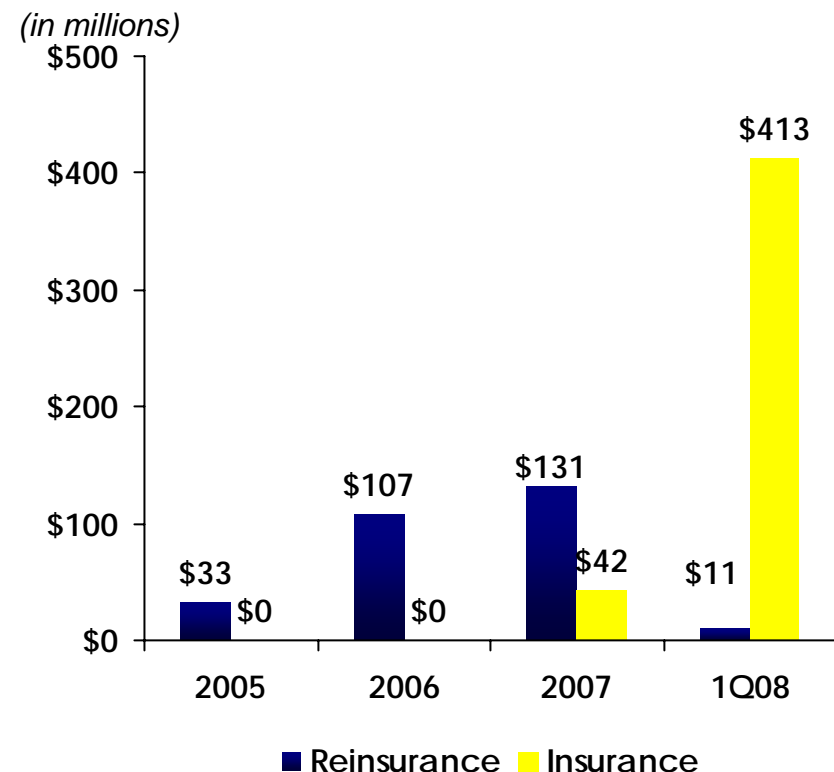
- 5th largest writer of Ag insurance in the U.S.
- Industry leading customer service and technology
- Serves approximately 100,000 customers
- Geographically diversified portfolio of MPCCI business with some concentration in Texas
- Offers both revenue and yield products
- Is most significantly impacted by drought risk which is lightly correlated with Endurance book of business
- Opportunistic purchaser of reinsurance
 - Reduces volatility
 - Proprietary federal cessions technology
 - Purchases excess of loss and quota share from third parties at attractive terms

Agriculture Insurance/Reinsurance Case Study, Continued

➤ Effectively switched from being a reinsurance to an insurance provider

- Meaningful book of business
- Higher profitability with lower volatility
- More sustainable book of business; 100,000 customers
- Insurance rates are set by federal program
- Reinsurance rates impacted by competitive forces

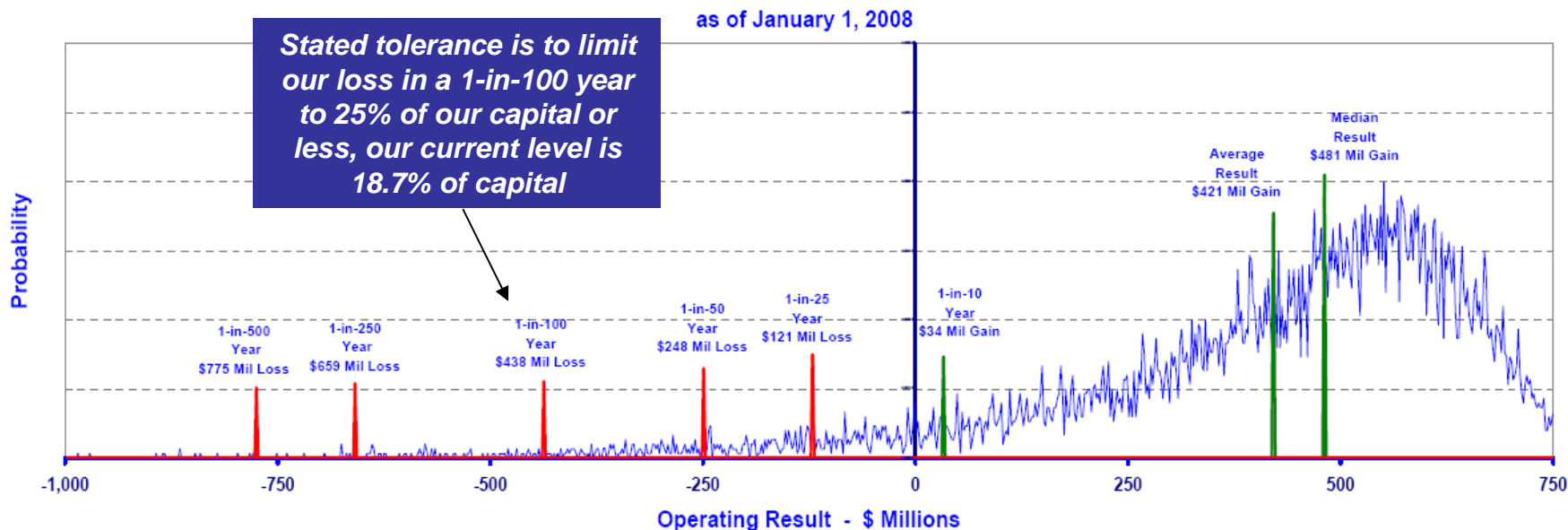
Gross Written Premiums*



* Includes deposit premiums

Strong Risk Management Focus - Portfolio Expected Risk Curve (January 1, 2008)

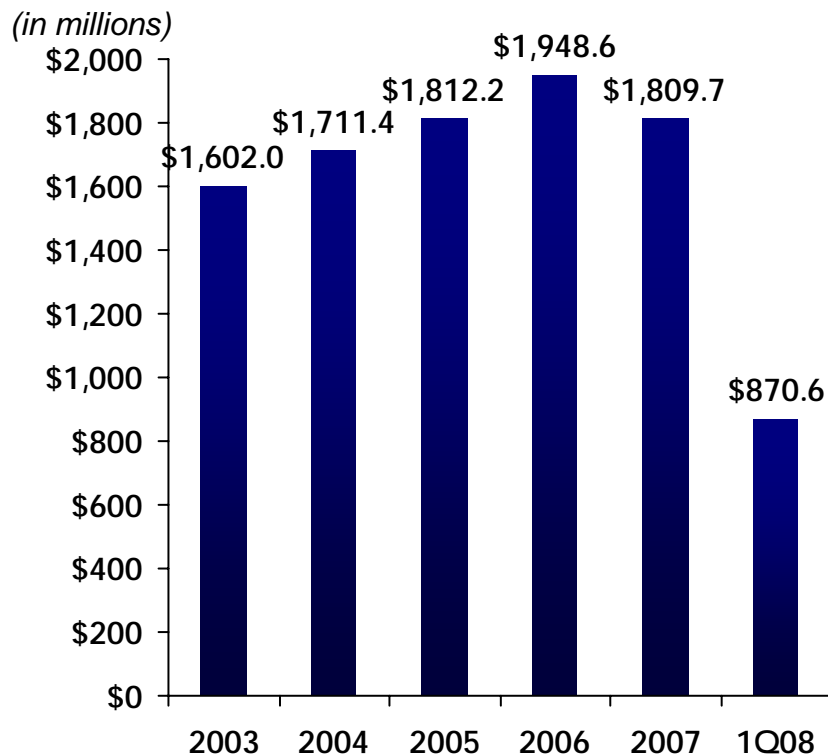
Endurance Operating Income Profile



The above chart represents a cumulative analysis of our in-force underwriting portfolio on a full year basis based on thousands of potential scenarios. Loss years are driven largely by the occurrence of natural catastrophes and incorrect pricing of other property and casualty exposures. The operating income depicted includes net premiums earned plus net investment income, acquisition expenses and G&A expenses. The operating income depicted excludes the effects of income tax (expenses) benefits, amortization of intangibles and interest expense. Forecasted investment income, acquisition and G&A expenses are held constant across all scenarios. Losses included above are net of reinsurance including collateralized reinsurance and ILW purchases. Our stated objective is to maintain a risk management tolerance that limits our loss in a 1-in-100 year year to be no more than 25% of our equity capital.

Portfolio Management Has Generated Stable Premiums

Gross Written Premiums*

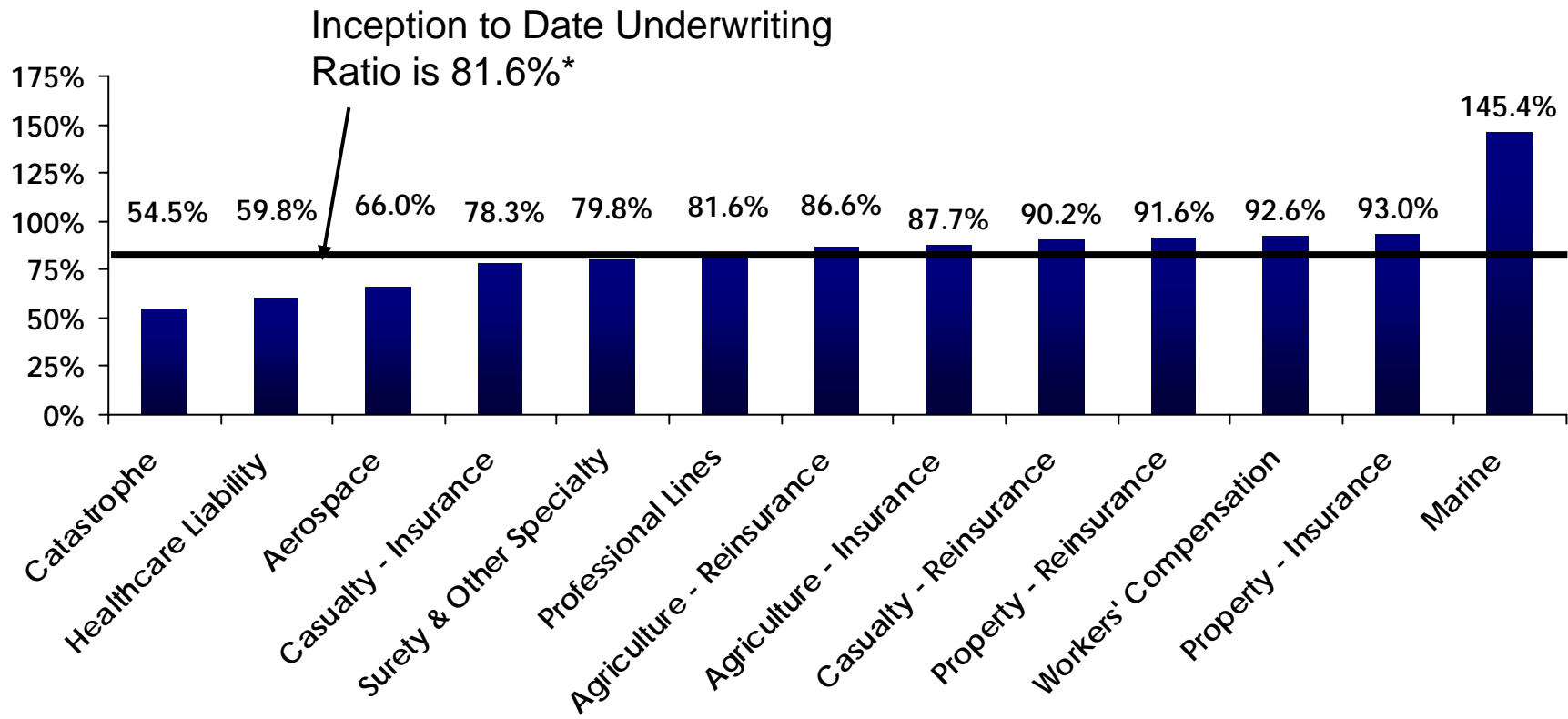


- Premiums have been fairly stable with modest growth
- Underlying product mix has shifted significantly over time
- Actively managing the portfolio by entering new attractive business while exiting or reducing premiums in less attractive lines

* Includes deposit premiums

Overall Underwriting Has Been Strong

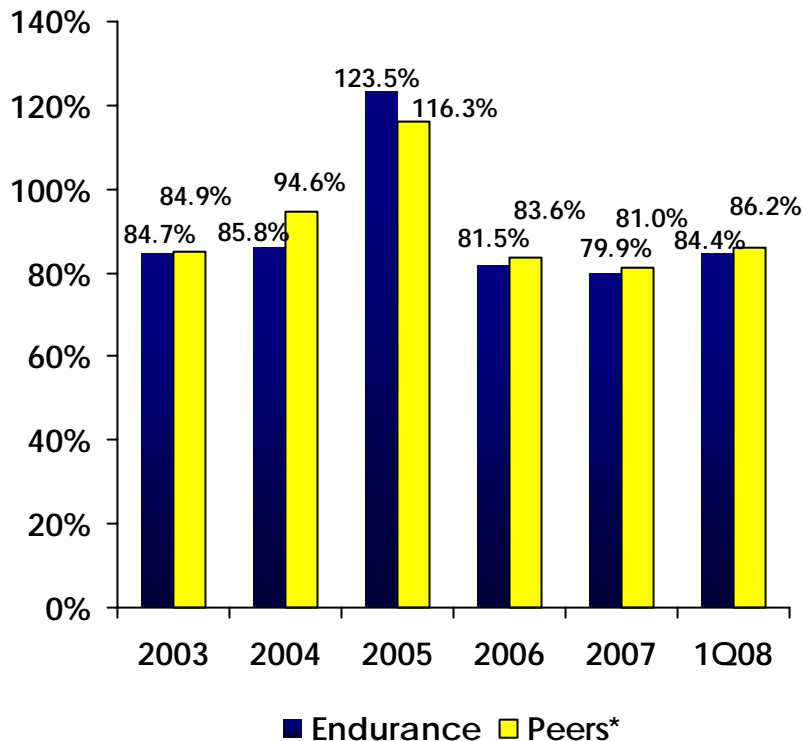
Inception to Date Underwriting Ratio*



* Underwriting ratio is defined as losses and acquisition expenses divided by earned premium, from inception through 3/31/08 and is before deposit accounting adjustments.

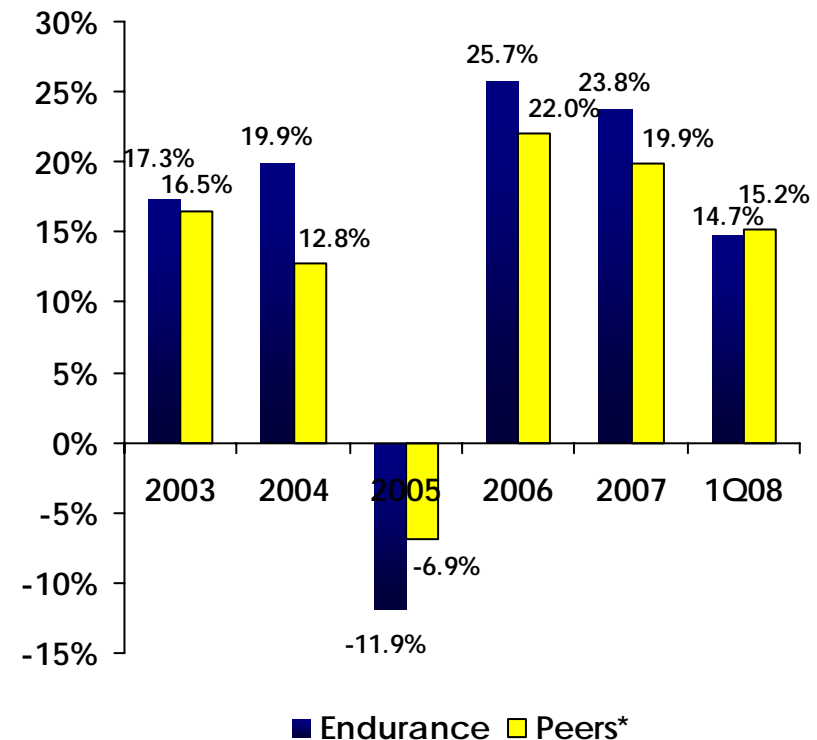
Strong Financial Performance

Combined Ratio



Inception to 3/31/08 combined ratio of 91.3%

Annualized Operating Return on Average Equity

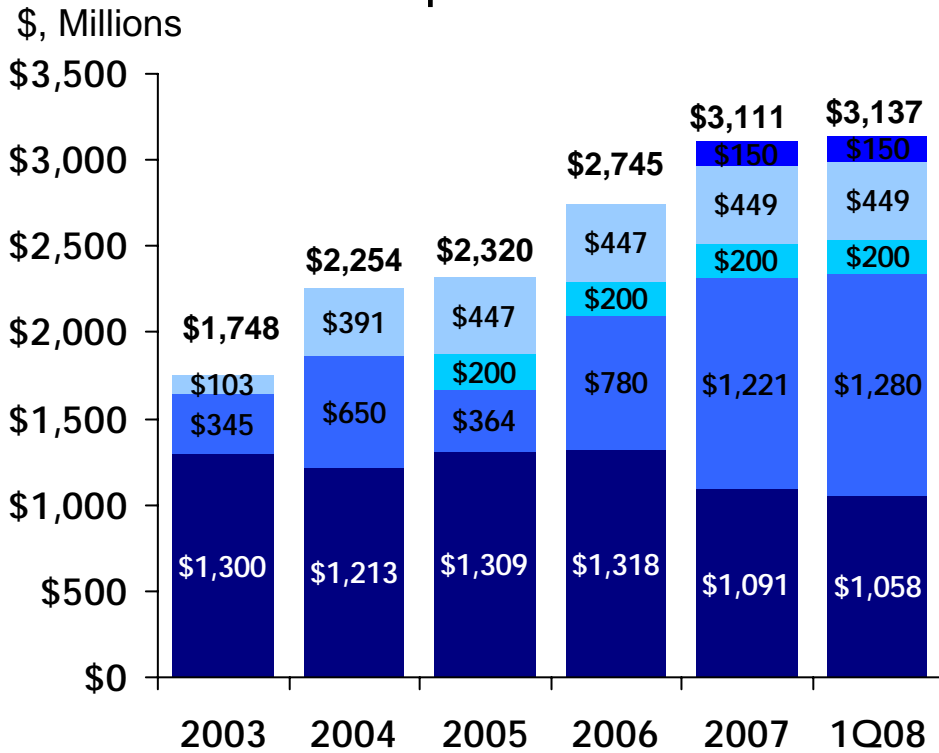


Inception to 3/31/08 ROE of 15.1%

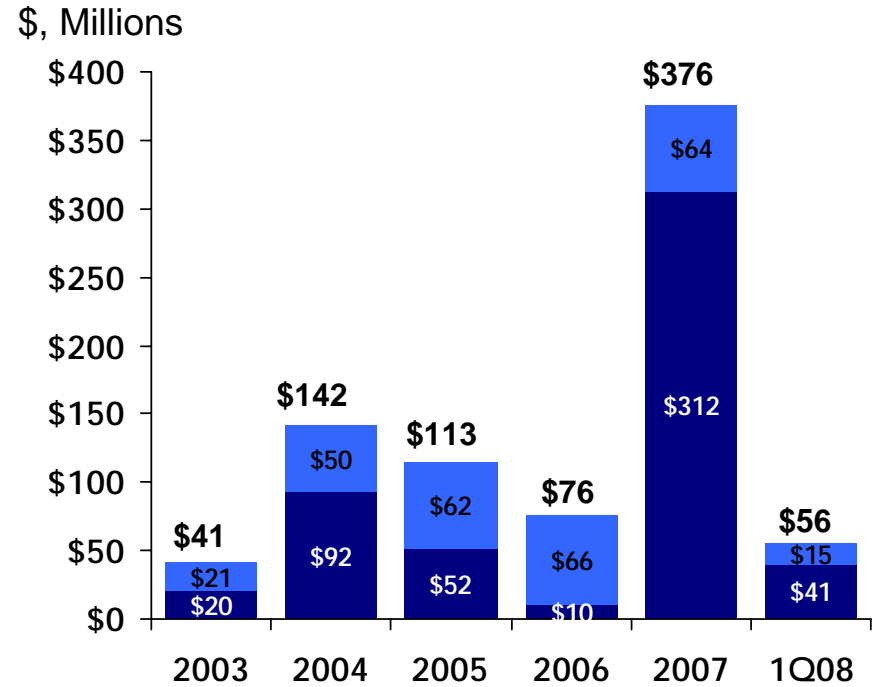
* Composite peer median based on SNL data, peers include; Platinum, Allied World, Arch, Ren Re, IPC re, Axis, Transatlantic, Everest, Partner Re, Montpelier and Max Re

Results of Capital Management

Strong and Flexible Capital Structure



\$894 Million of Capital Returned to Shareholders (Inception to date)



■ Common Share Capital ■ Retained Earnings
■ Preferred Equity ■ Debt
■ Contingent Equity

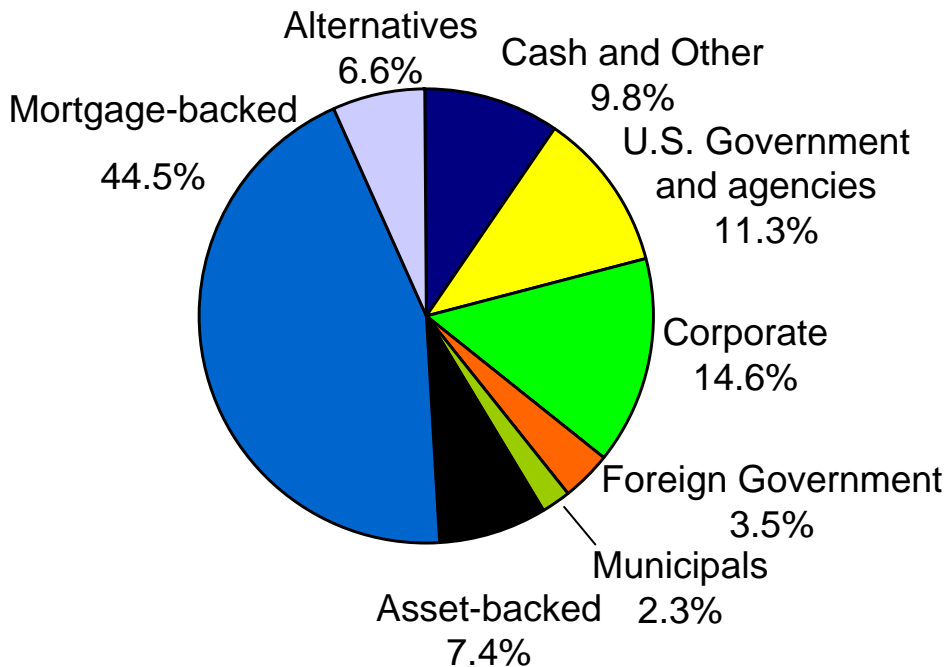
■ Repurchases ■ Dividends



High Quality Investment Portfolio

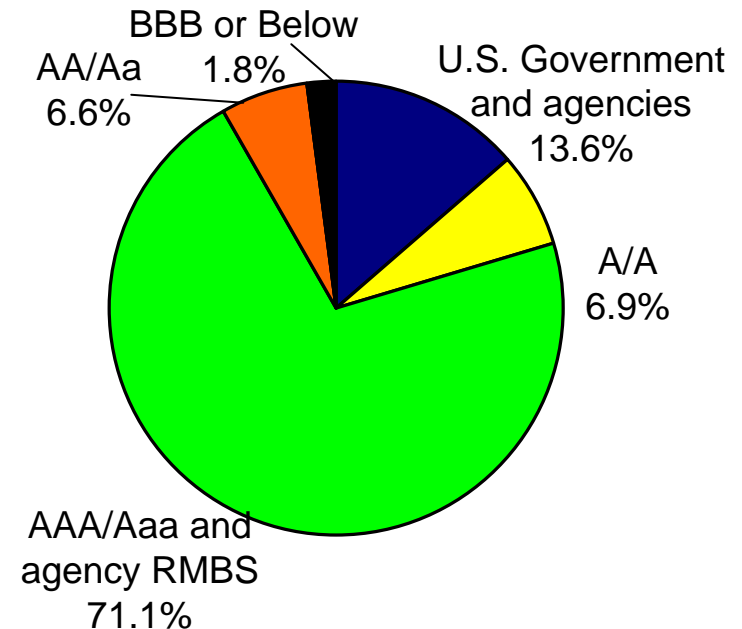
Total Investment Portfolio of \$5.6 Billion*

By Investment Type



Fixed Maturity Ratings

\$4.7 Billion*



* As of March 31, 2008

Conclusion

- Managing the micro cycles within the insurance/reinsurance industry
 - Shrinking portions of our portfolio as we non-renew business that no longer meets our price targets
 - Growing in select areas where profit margins remain strong
- Continue to execute on attractive acquisition opportunities that create shareholder value
- Well positioned with strong management team, diversified product portfolio, and excellent financial strength
- Creating shareholder value through strong underwriting and investment returns coupled with active capital management to generate 15%+ ROE through underwriting cycles
- Achieved inception to date ROE of 15.1%