Financial Overview & Outlook for Global Marine Insurers Clear Sailing or Rough Seas?

International Union of Marine Insurers



Copenhagen, Denmark 12 September 2007

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Presentation Outline

- Premium & Pricing Overview
- Underwriting Performance Trends
- Premium Growth
- Reinsurance Market Summary
- Capital & Capacity: Underleveraged→ROE Pressure
- Investments: Less Bang for the Buck
- Financial Strength & Ratings
- Economic Environment for Marine Insurers
 - > China Trade Outlook
- Catastrophe Loss Overview
 - > Energy Market Overview
- Marine Terrorism Issue
- Arctic Marine Opportunities
- Q&A

PREMIUMS, PROFITS & GROWTH

Marine Market is More Stable It Than Market Overall

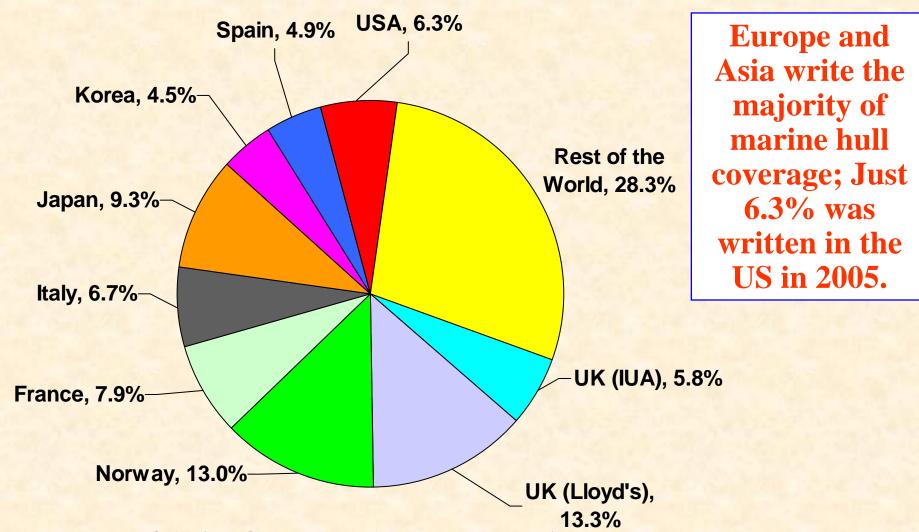
PREMIUMS

Market is Stable With Some Growth; Future Growth Maybe More Difficult to Realize





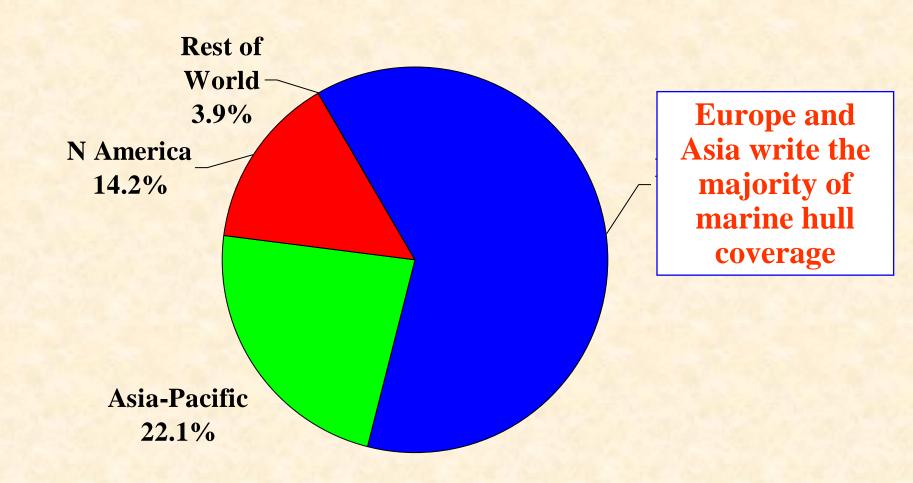
Global Marine Hull Premium 2005



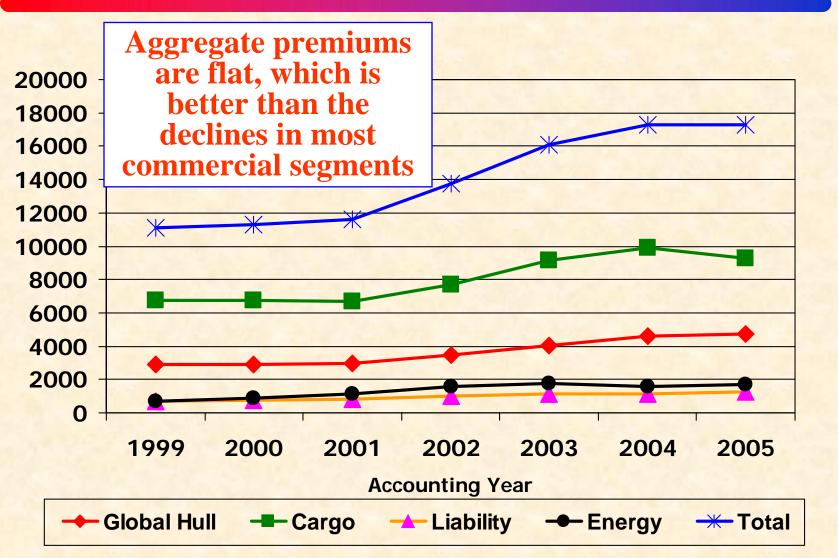
Source: IUMI and Cefor (The Central Union of Marine Underwriters)



Marine Insurance Hull Premiums 2005, Market Share

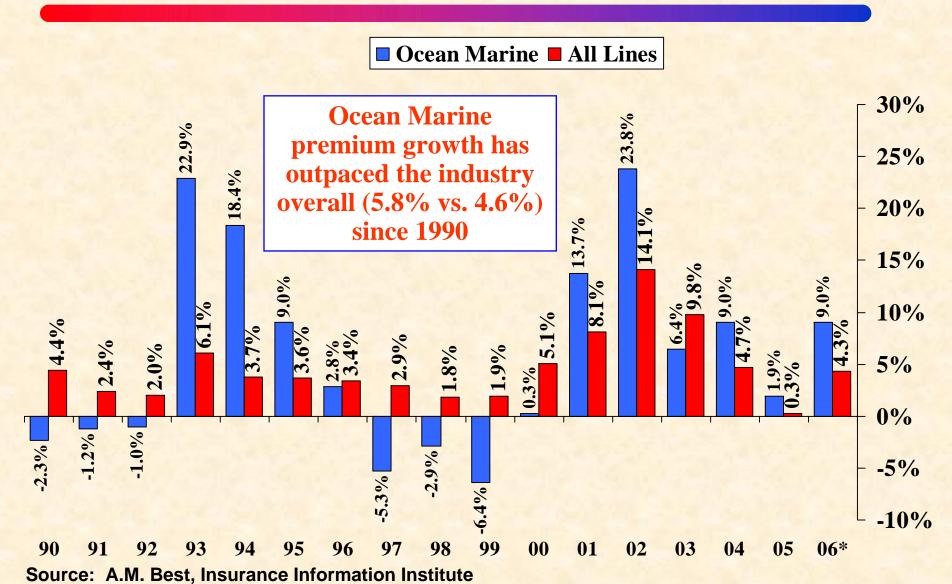


Global Marine Premium 1999-2005 (US\$ Million), as reported



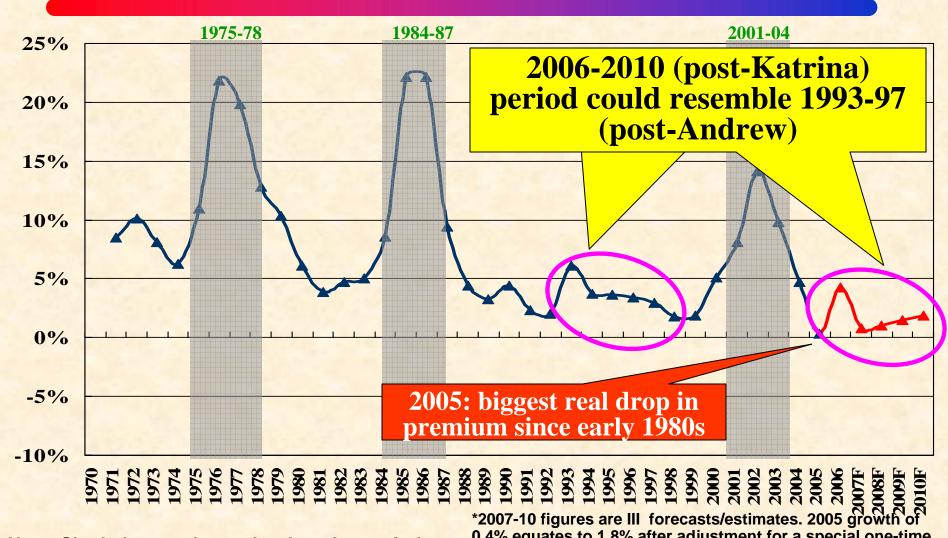


Net Written Premium Growth: Ocean Marine vs. All Lines





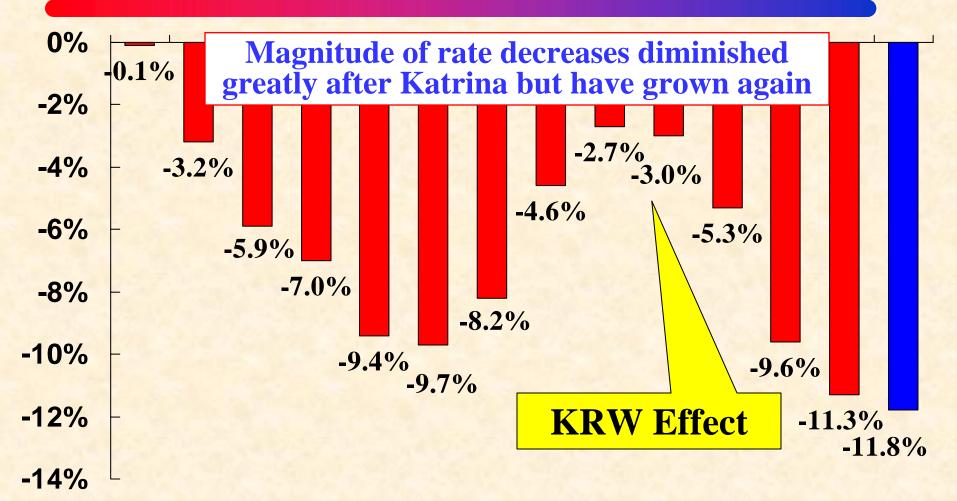
US Net Written Premium Growth, All Lines*



Note: Shaded areas denote hard market periods.
Source: A.M. Best, Insurance Information Institute

*2007-10 figures are III forecasts/estimates. 2005 growth of 0.4% equates to 1.8% after adjustment for a special one-time transaction between one company and its foreign parent. 2006-2008 figures from III Groundhog Survey.





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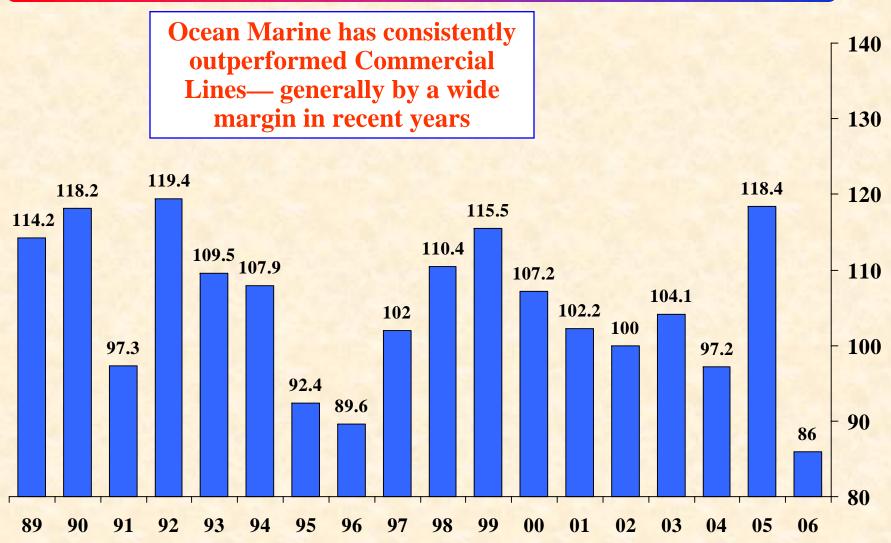
Source: Council of Insurance Agents & Brokers; Insurance Information Institute

UNDERWRITING PERFORMANCE

Results are Generally Healthy



Combined Ratio: Ocean Marine vs. Commercial Lines

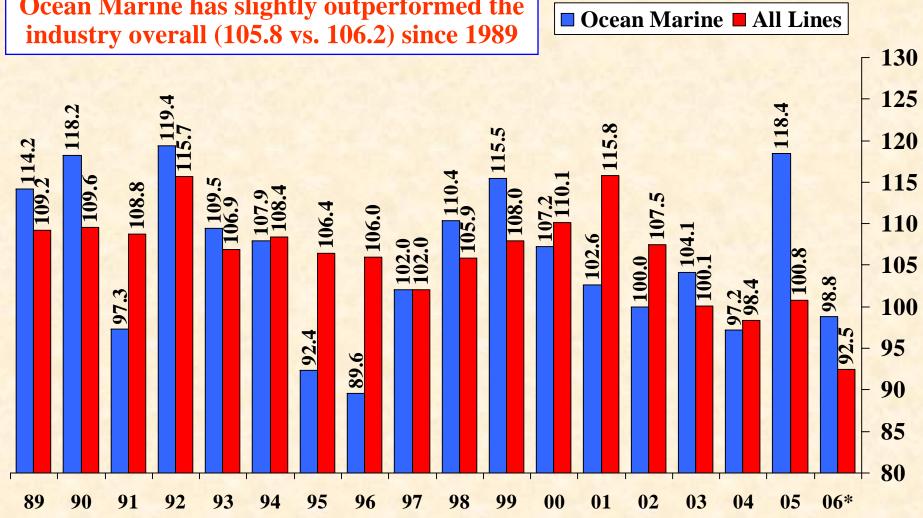


Source: A.M. Best, American Institute of Marine Underwriters, Insurance Information Institute



Combined Ratio: Ocean Marine vs. All Lines

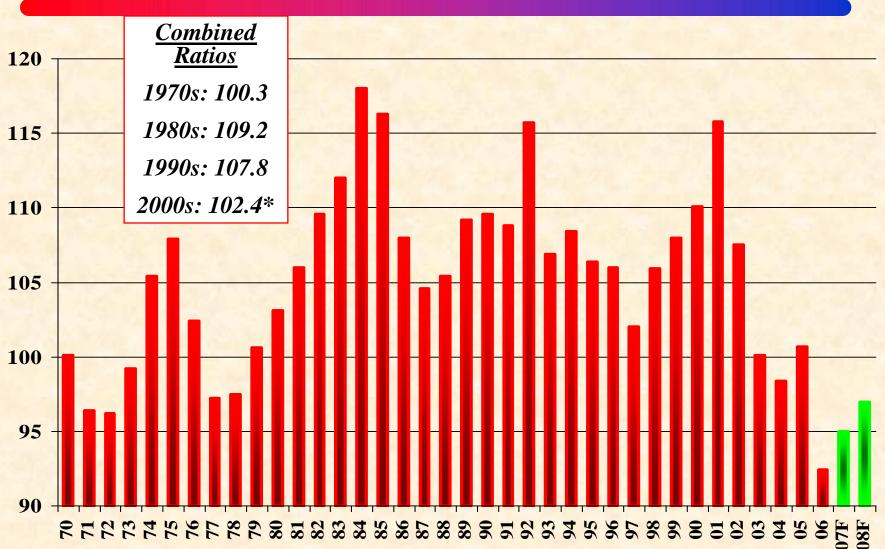
Ocean Marine has slightly outperformed the industry overall (105.8 vs. 106.2) since 1989



Source: A.M. Best, Insurance Information Institute



US P/C Insurance Combined Ratio, All Lines: 1970-2008F

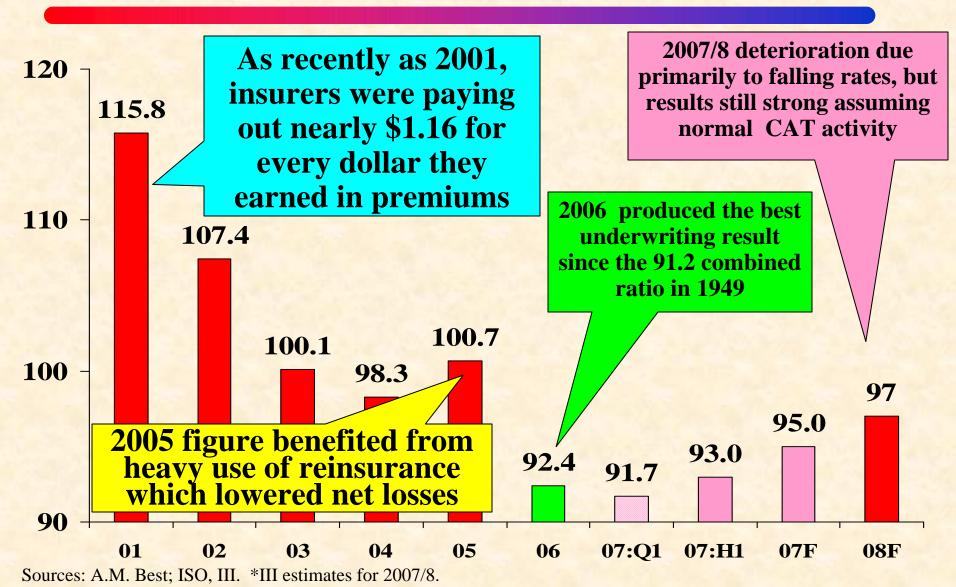


Sources: A.M. Best; ISO, III

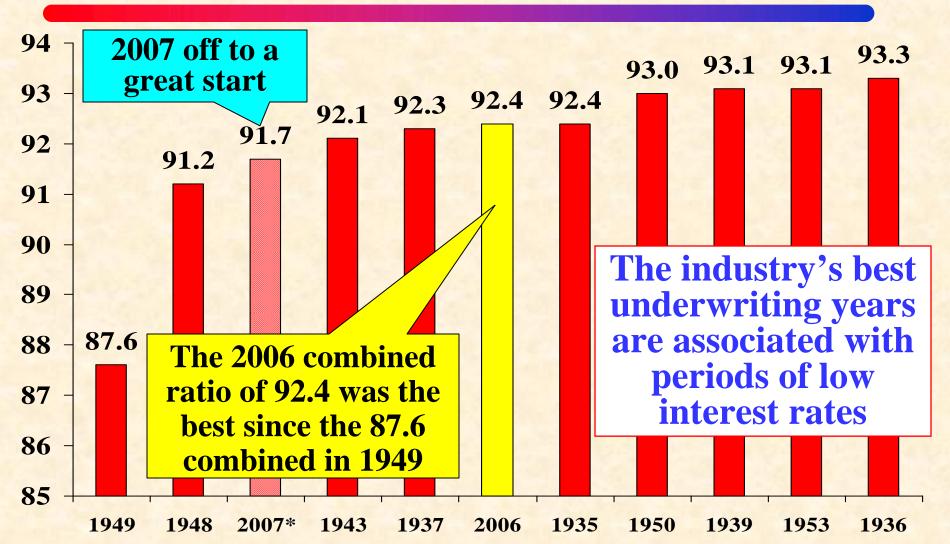
*Through 2008E; 103.6 through 2006 actual.

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P/C Insurance Combined Ratio, 2001-2008F



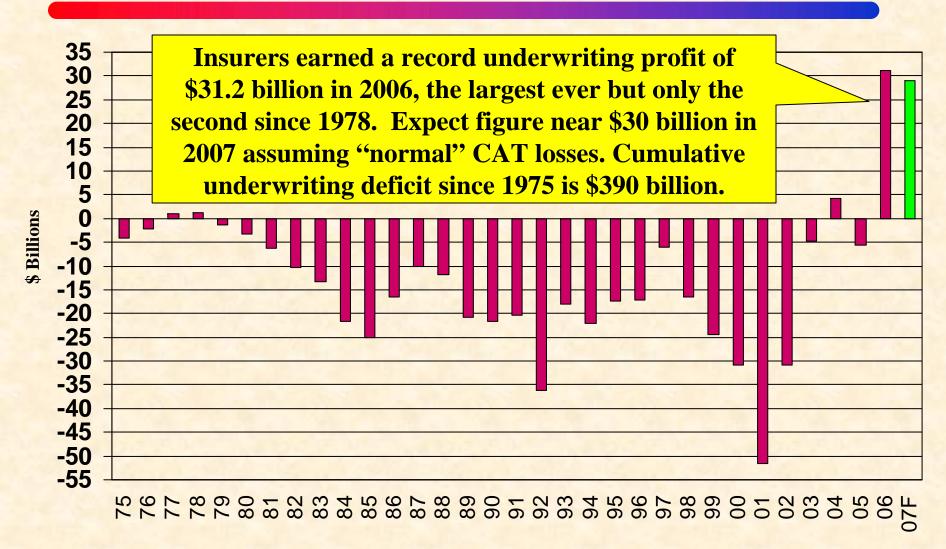
Ten Lowest P/C Insuranc Combined Ratios Since 1920 (& 2007:Q1)



Sources: Insurance Information Institute research from A.M. Best data. *2007:Q1 actual.



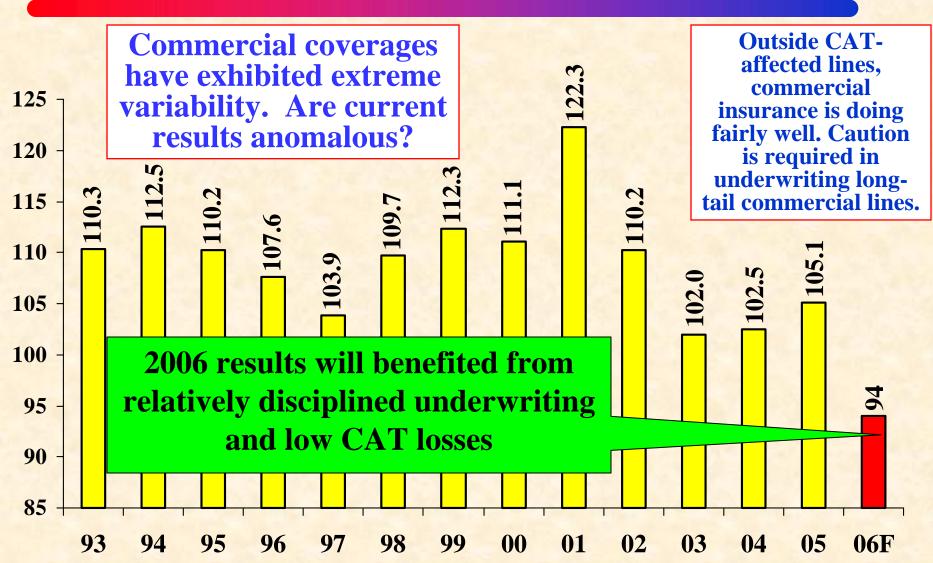
Underwriting Gain (Loss) 1975-2007F*



Source: A.M. Best, Insurance Information Institute *Actual 2007:Q1 underwriting profit = \$8.281B.



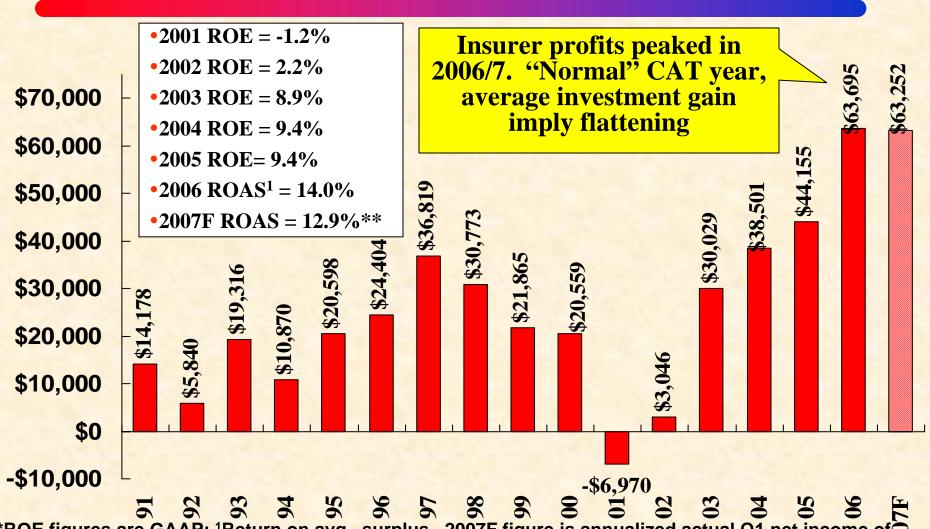
Commercial Lines Combined Ratio, 1993-2006E*



Source: A.M. Best; Insurance Information Institute

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P/C Net Income After Taxes 1991-2007F (\$ Millions)*

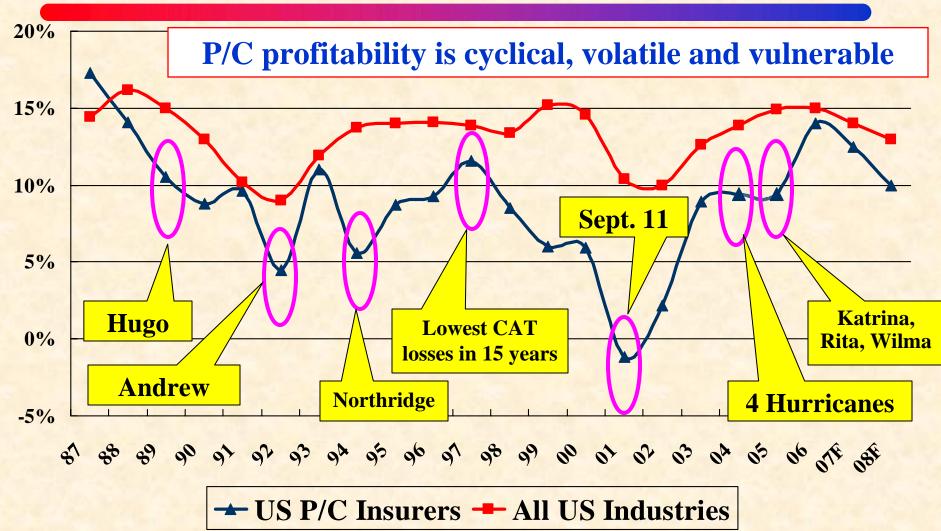


*ROE figures are GAAP; ¹Return on avg. surplus. 2007F figure is annualized actual Q1 net income of \$15.813B **Actual first quarter 2007 result.

Sources: A.M. Best, ISO, Insurance Information Inst.



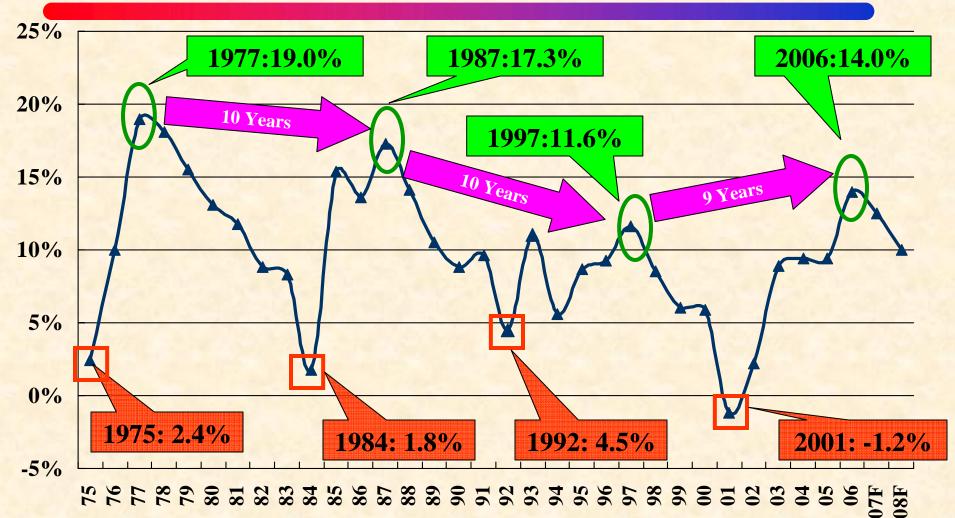
ROE: P/C vs. All Industries 1987–2008E



*2007-08 P/C insurer ROEs are I.I.I. estimates.

Source: Insurance Information Institute; Fortune

Profitability Peaks & Troughs in the P/C Insurance Industry, 1975 – 2008F



*2007-08 P/C insurer ROEs are I.I.I. estimates.

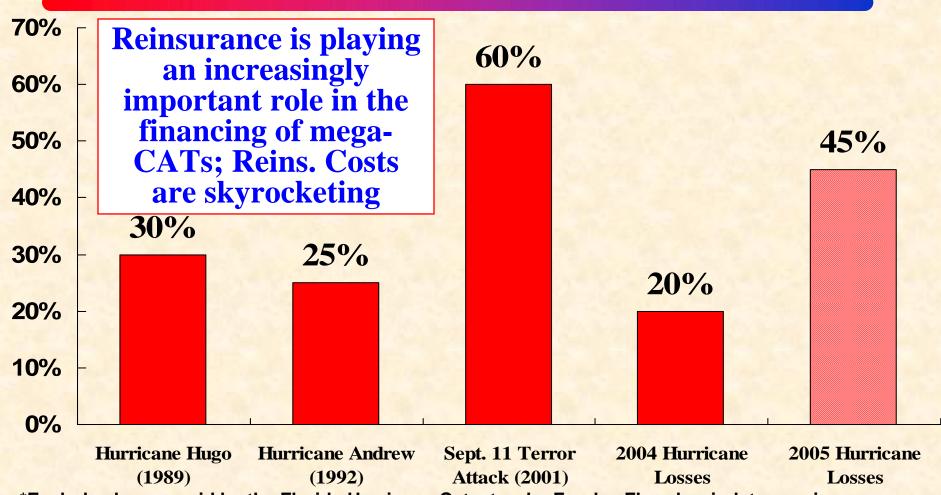
Source: Insurance Information Institute; ISO, A.M. Best.

REINSURANCE MARKETS

Reinsurance Prices are Stabilizing; Falling in Some Areas



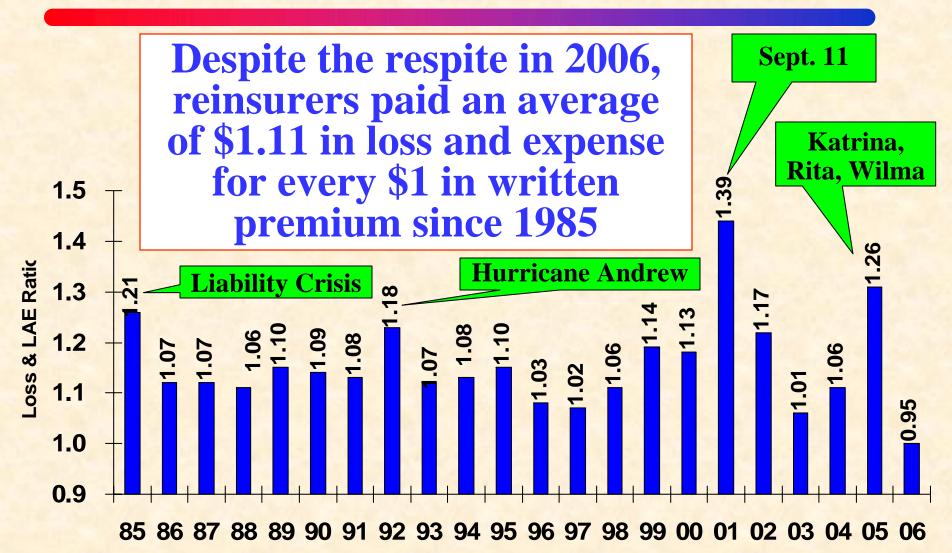
Share of Losses Paid by Reinsurers, by Disaster*



*Excludes losses paid by the Florida Hurricane Catastrophe Fund, a FL-only windstorm reinsurer, which was established in 1994 *after* Hurricane Andrew. FHCF payments to insurers are estimated at \$3.85 billion for 2004 and \$4.5 billion for 2005.

Sources: Wharton Risk Center, Disaster Insurance Project; Insurance Information Institute.

Ratio of Reinsurer Loss & Underwriting Expense to Premiums Written, 1985-2006



Source: Reinsurance Association of America.

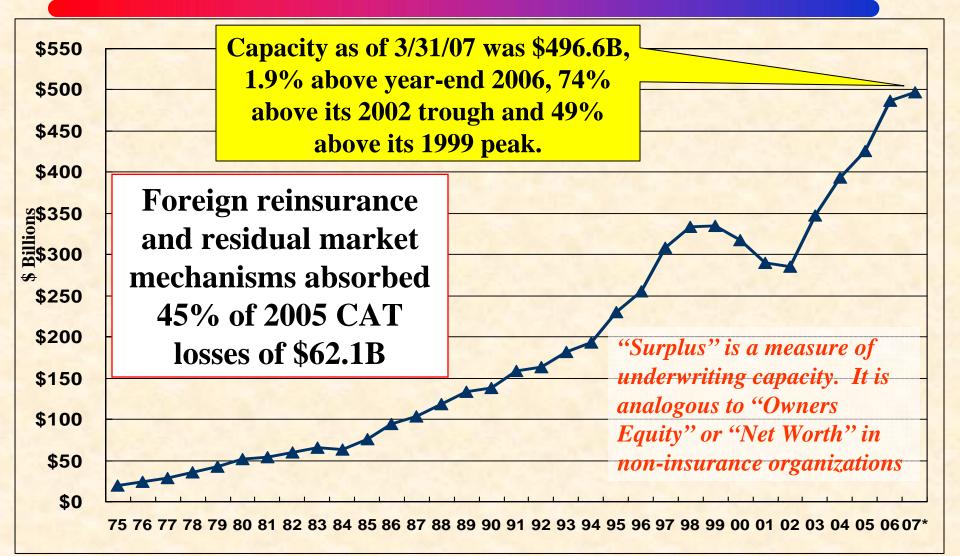
CAPACITY/ SURPLUS

The Industry in Underleveraged





U.S. Policyholder Surplus: 1975-2007*



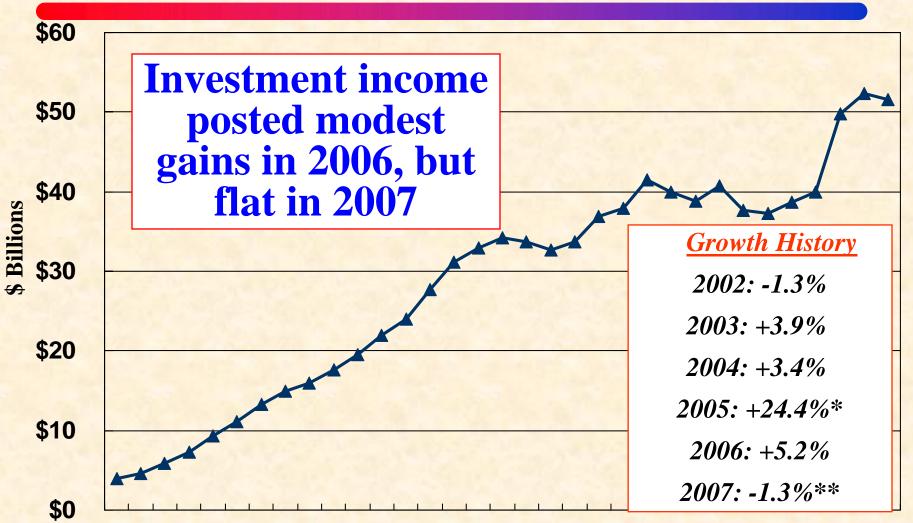
Source: A.M. Best, ISO, Insurance Information Institute. *As of March 31, 2007

INVESTMENT RETURNS

Marginal Gains Enforce Discipline



Net Investment Income



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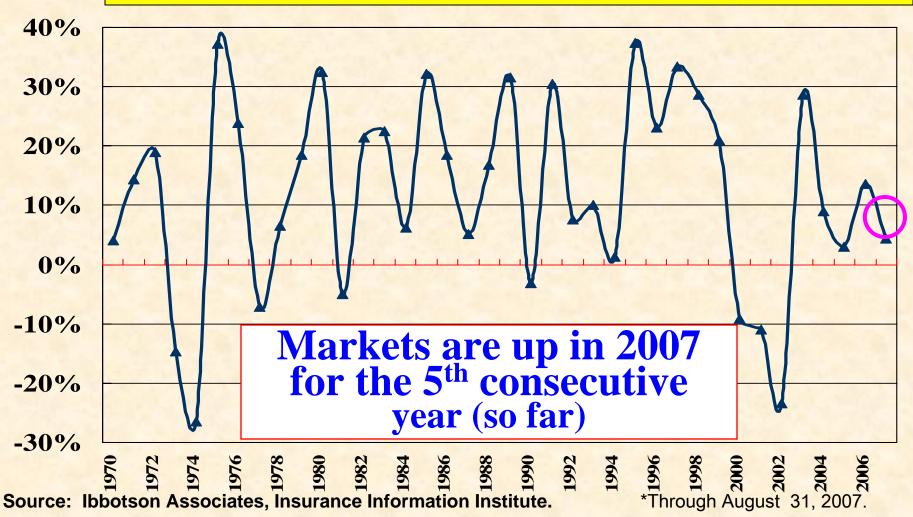
Source: A.M. Best, ISO, Insurance Information Institute;

*Includes special dividend of \$3.2B. Increase is 15.7% excluding dividend. **Based on annualized Q1 result of \$12.905B.

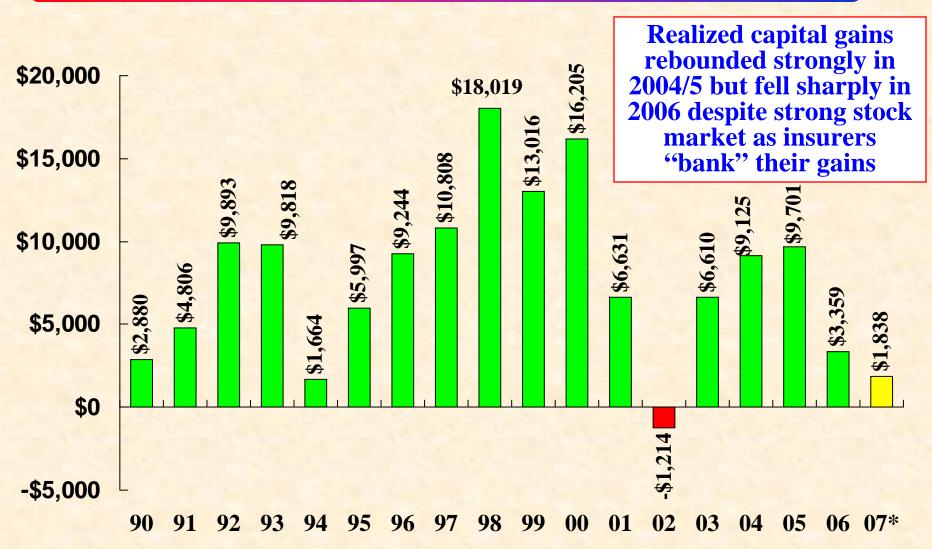


Total Returns for Large Company Stocks: 1970-2007*

S&P 500 was up 13.62% in 2006, Up 4.31% YTD 2007*



US P/C Net Realized Capital Gains, 1990-2007:Q1 (\$ Millions)

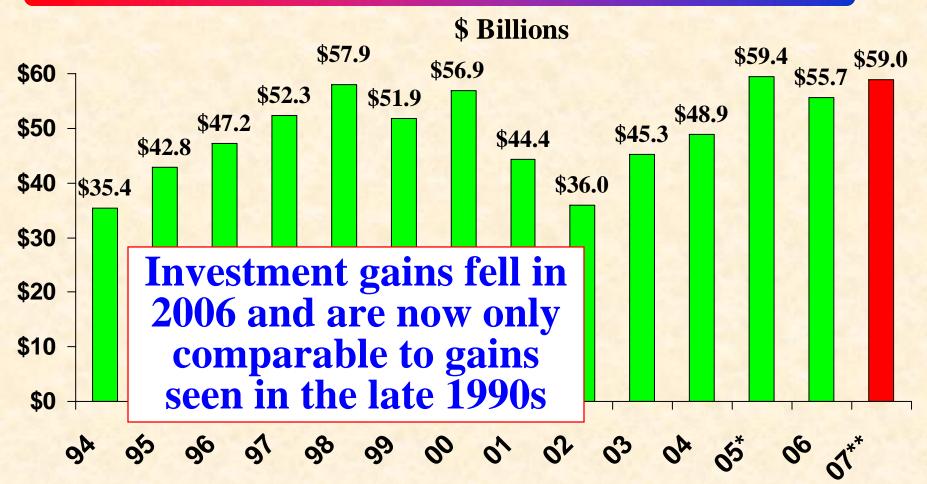


Sources: A.M. Best, ISO, Insurance Information Institute.

*As of March 31, 2007.



Property/Casualty Insurance Industry Investment Gain¹

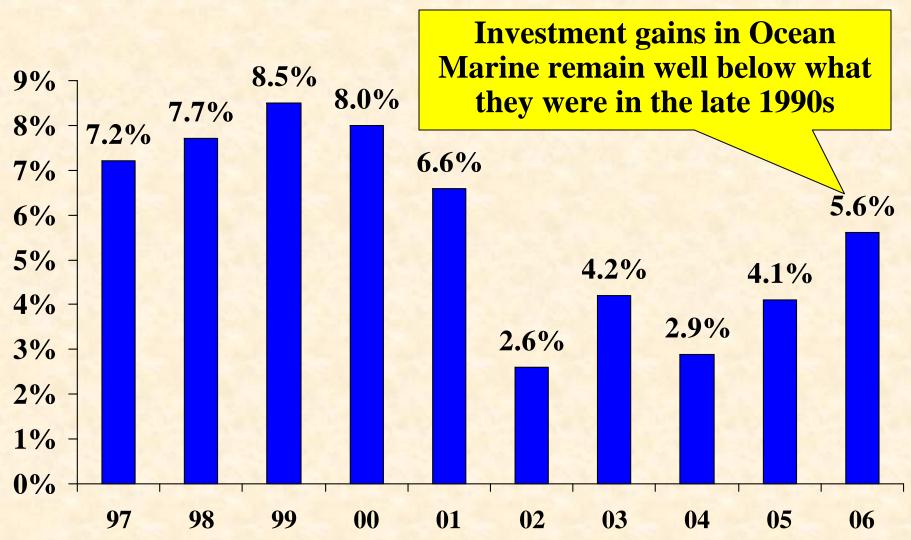


¹Investment gains consist primarily of interest, stock dividends and realized capital gains and losses. 2006 figure consists of \$52.3B net investment income and \$3.4B realized investment gain. *2005 figure includes special one-time dividend of \$3.2B. **Annualized Q1 result of \$14.743B.

Sources: ISO: Insurance Information Institute.



Investment Gain for Ocean Marine Insurers*



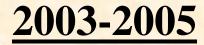
Source: A.M. Best; Insurance Information Institute. *US reporting companies only; Includes misc. other income.

FINANCIAL STRENGTH & RATINGS

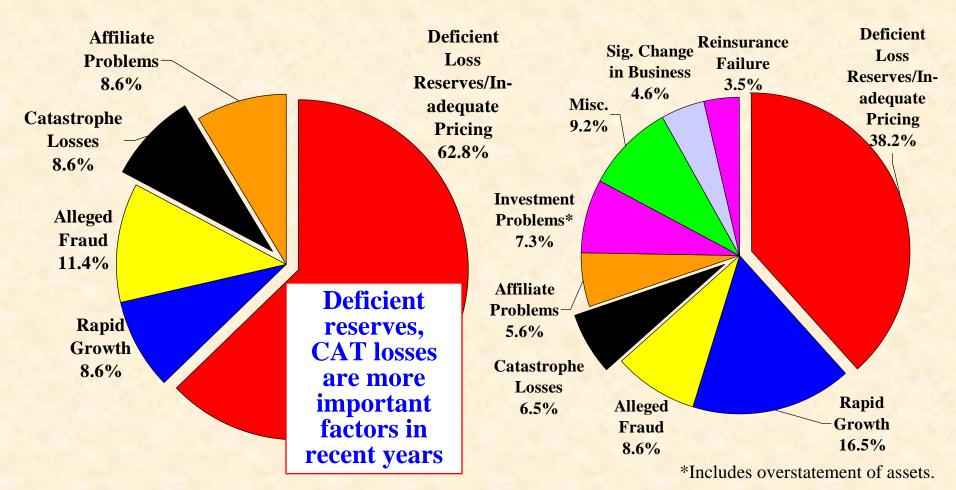
Industry Has Weathered the Storms Well



Reasons for US P/C Insurer Impairments, 1969-2005



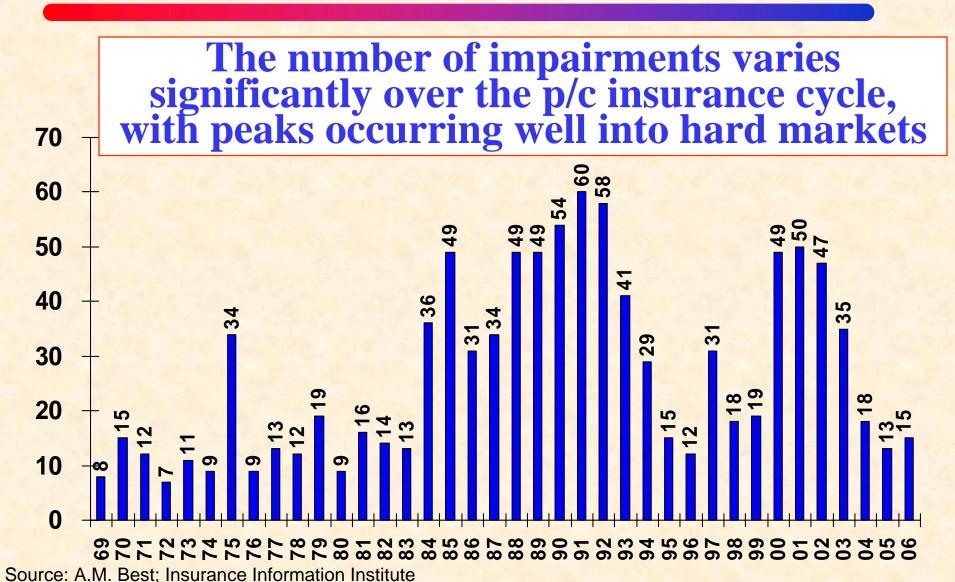
1969-2005



Source: A.M. Best: P/C Impairments Hit Near-Term Lows Despite Surging Hurricane Activity, Special Report, Nov. 2005;

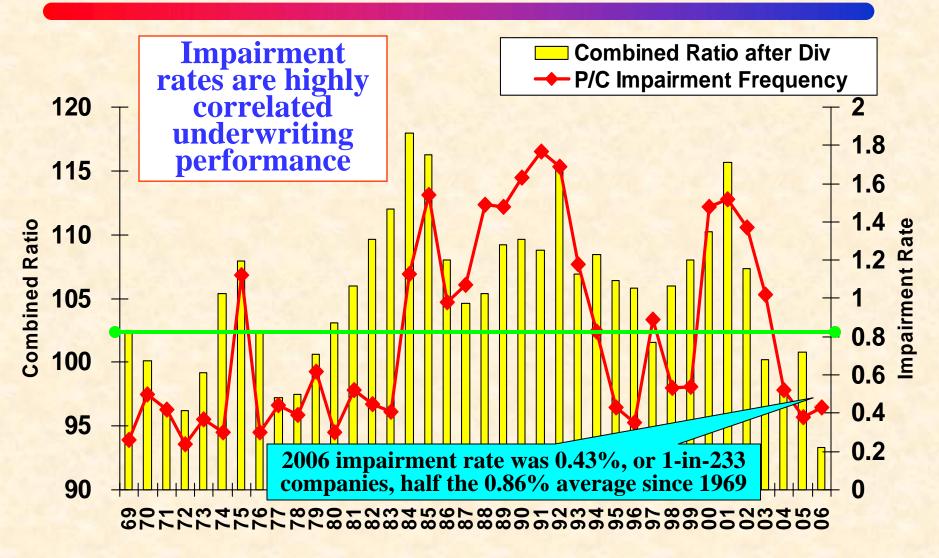


P/C Insurer Impairments, 1969-2006





P/C Insurer Impairment Frequency vs. Combined Ratio, 1969-2006



ECONOMIC ENVIRONMENT

Global Economic Growth Implies Greater Demand for Ocean Marine Insurance



Global Economic Outlook Points to Marine Insurance Growth

- Relatively healthy global economy suggests intl. trade in finished products, raw materials as well as energy demand and exploration will remain strong.
 - > Current credit crunch will hurt global growth next 12 months
- The 21st century is the century of Chinese ascendancy. China today is very much like late 19th century America—industrious, rapid growth, internationally and militarily ambitious and certain of its destiny and primacy over the old world order. But inflation looms and country is an environmental disaster.
 - > Shoddy products scare not a major issue relative to overall export market.
- Depreciating US dollar is pushing US exports up
- European economies are performing relatively well



But Patterns of Global Economic Growth and Trade May Shift

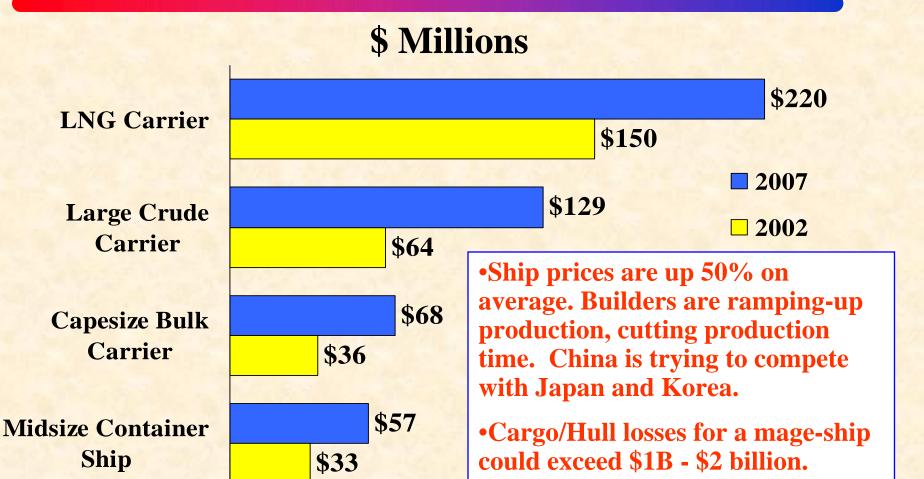
- Maturation of Chinese economy implies web of trade will extend further into developing world (South Asia, Africa), aiding international marine shipping business
- Intra-Asian trade will grow
- US Fed Reserve Chairman Ben Bernanke said in Berlin at a speech on global trade imbalances on Sept. 11 that China can help resolve global imbalances by reducing its reliance on exports, which it can accomplish by, among other things, letting its currency rise.*
 - > Critics say China keeps the value of its currency artificially low, giving its products an unfair price advantage in world markets.
- Bernanke said that "Imbalances in the export of capital from developing countries to industrialized economies may prove counterproductive over time."

Changes in Global Economy are Pushing Shipping Industry Changes

- Strong demand for shipping
- Building of ever larger ships
 - > Creates concentration of risk problem
- Significant number of new ships under construction
 - > Shipyards are building for or have orders for in 2007/2008 as much as 20% of the current world fleet
- Manpower (crew) shortages are more likely
- Port and lock log jams; New routes needed
 - > Expansion of Panama Canal
 - > Arctic routes
- Eventually shipping industry will see overcapacity and falling transport prices



Ship Prices Rising: Bigger Ships, Strong Demand



\$100

\$150

\$200

\$250

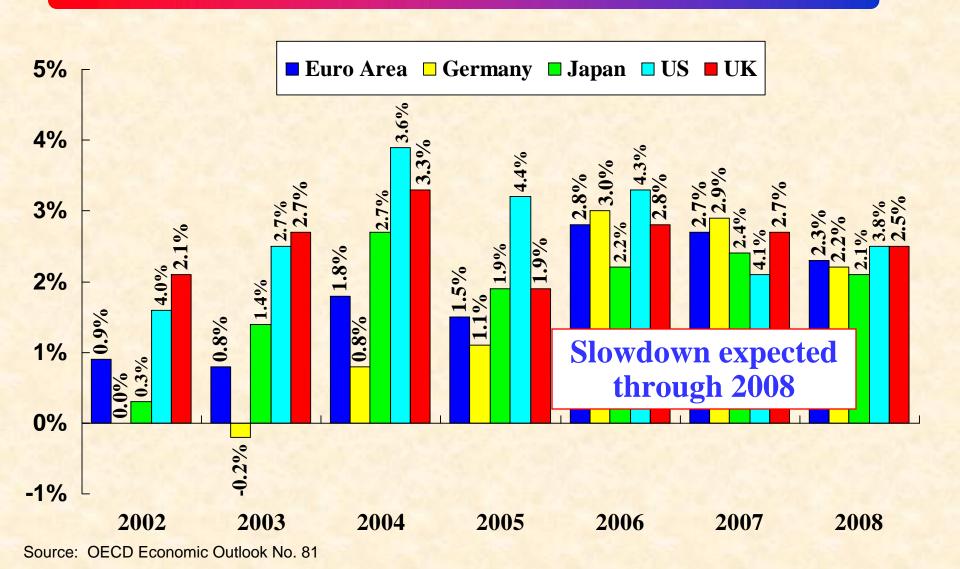
Source: Clarkson Research Services, Insurance Information Institute

\$50

\$0



Real GDP By Country 1994-2008E (% change from previous year)





Weak Dollar Means US Exports Should Continue to Rise



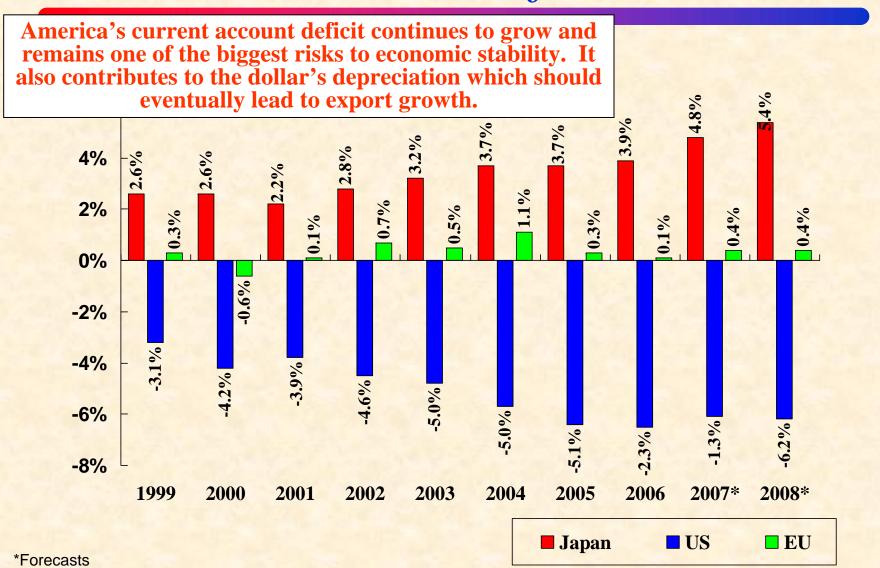
*As of 11 September.

Source: Federal Reserve Board

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Source: OECD Economic Outlook 81 database

Current Account Balances as a % of GDP

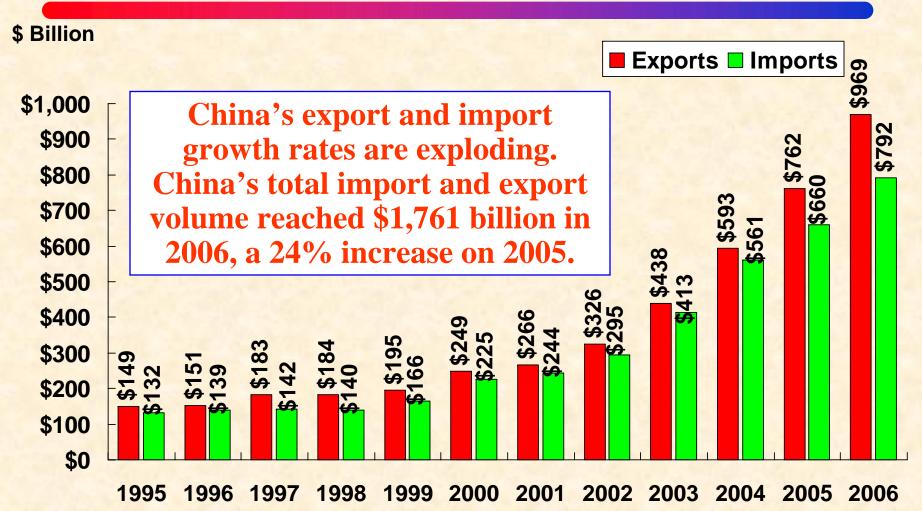


U.S./CHINA TRADE





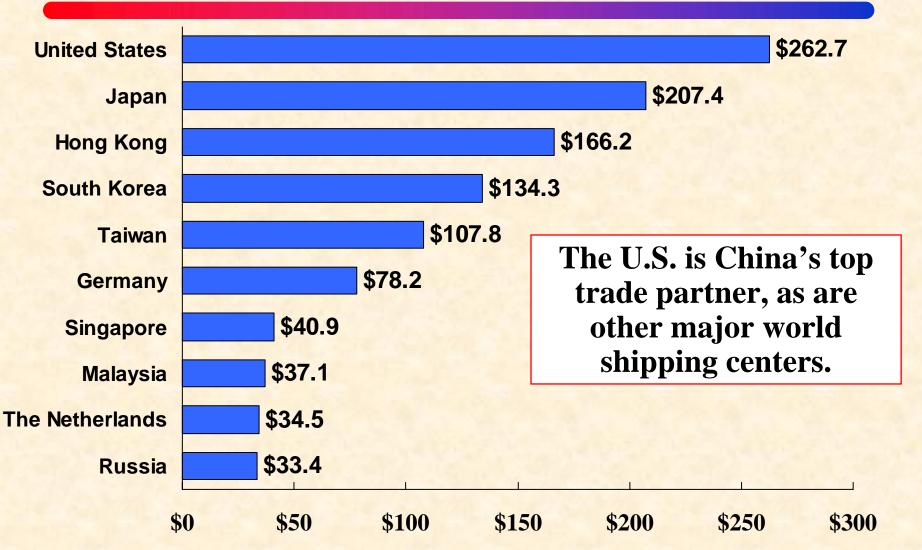
China's Trade With The World (\$ billion)



Note: PRC exports reported on a FOB basis;

Sources: U.S. China Business Council; PRC General Administration of Customs, China's Customs Statistics; and the National Bureau of Statistics.





Source: PRC General Administration of Customs, China's Customs Statistics



Top 5 Exports from China 2006 (Volume \$ billion)



Source: PRC General Administration of Customs, China's Customs Statistics



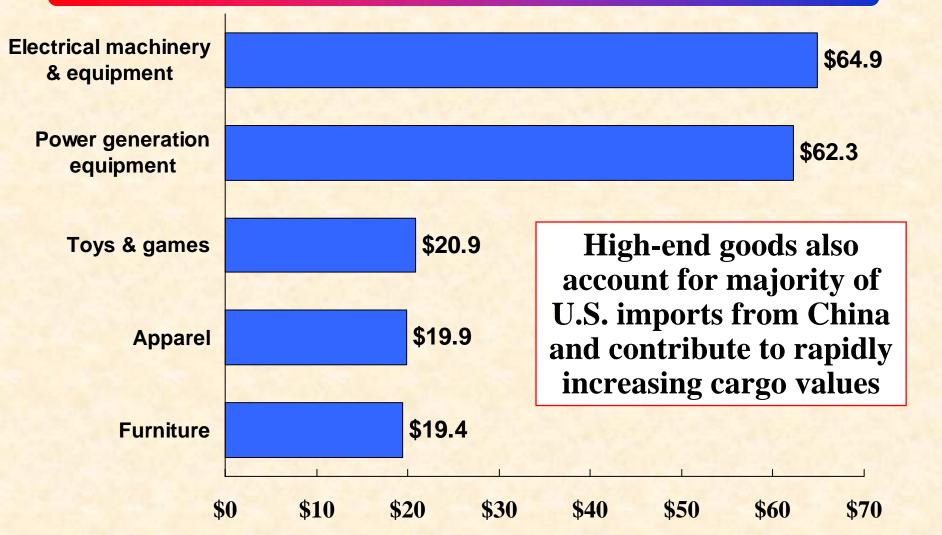
China's Trade With The U.S. (\$ billion)



Note: U.S. exports reported on FOB basis; imports on a general customs value, CIF basis

Sources: U.S. International Trade Commission, U.S. Department of Commerce; and U.S. Census Bureau.





Source: U.S. International Trade Commission, U.S. Department of Commerce, and U.S. Census Bureau



Recent Insurer Expansions in China

- China's liberalizing market brings opportunities in non-life insurance, including marine:
- July 2007: AIG subsidiary AIU Insurance Co (AIU) granted approval to establish wholly owned subsidiary in China. AIG General will expand non-life capabilities.
- March 2007: Lloyd's receives approval for new reinsurance operation Lloyd's Reinsurance Co China Ltd (LRCCL). Will write onshore reinsurance biz throughout China.
- January 2007: Marsh awarded China's first Wholly Owned Foreign Enterprise insurance broking license. Marsh (Beijing) Insurance Brokers will expand company's focus on large-scale commercial risk, including international marine.
- Zurich gains control of a Chinese broker in Aug. 2007

CATASTROPHIC LOSS

Insurers Accused of Crying Wolf Over Cats



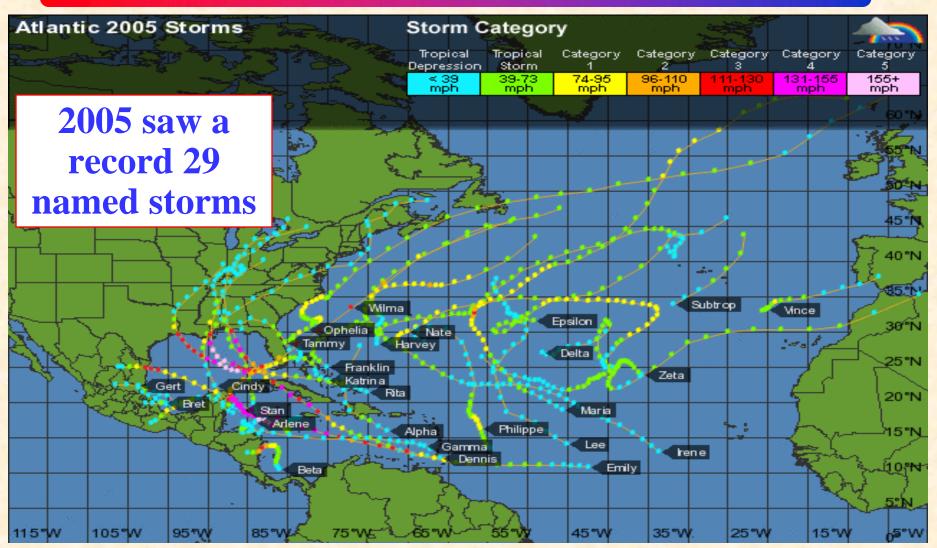


2007 Hurricane Season: No Big Hits...So Far



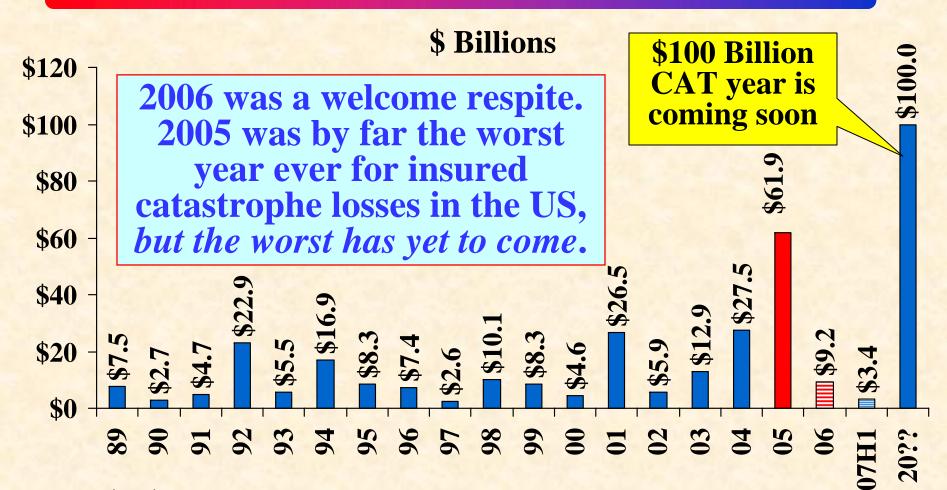
Source: www.wunderground.com, accessed 9/12/07; Insurance Information Institute

2005 Hurricane Season: One for the Record Books, Including Marine & Energy Insurers



Source: www.wunderground.com, accessed 9/12/07; Insurance Information Institute

U.S. Insured Catastrophe Losses*

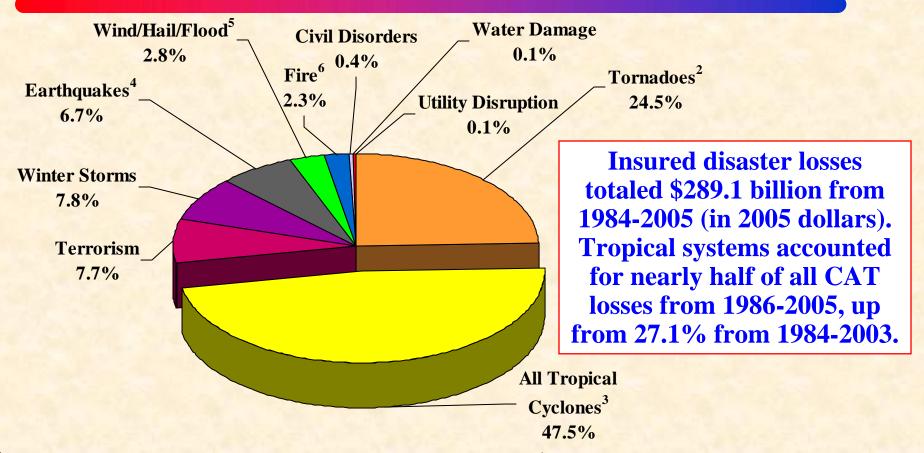


*Excludes \$4B-\$6b offshore energy losses from Hurricanes Katrina & Rita.

Note: 2001 figure includes \$20.3B for 9/11 losses reported through 12/31/01. Includes only business and personal property claims, business interruption and auto claims. Non-prop/BI losses = \$12.2B. Source: Property Claims Service/ISO; Insurance Information Institute



Inflation-Adjusted U.S. Insured Catastrophe Losses By Cause of Loss, 1986-2005¹



¹ Catastrophes are all events causing direct insured losses to property of \$25 million or more in 2005 dollars. Catastrophe threshold changed from \$5 million to \$25 million beginning in 1997. Adjusted for inflation by the III. ² Excludes snow. ³ Includes hurricanes and tropical storms. ⁴ Includes other geologic events such as volcanic eruptions and other earth movement. ⁵ Does not include flood damage covered by the federally administered National Flood Insurance Program. ⁶ Includes wildland fires.

Source: Insurance Services Office (ISO)...

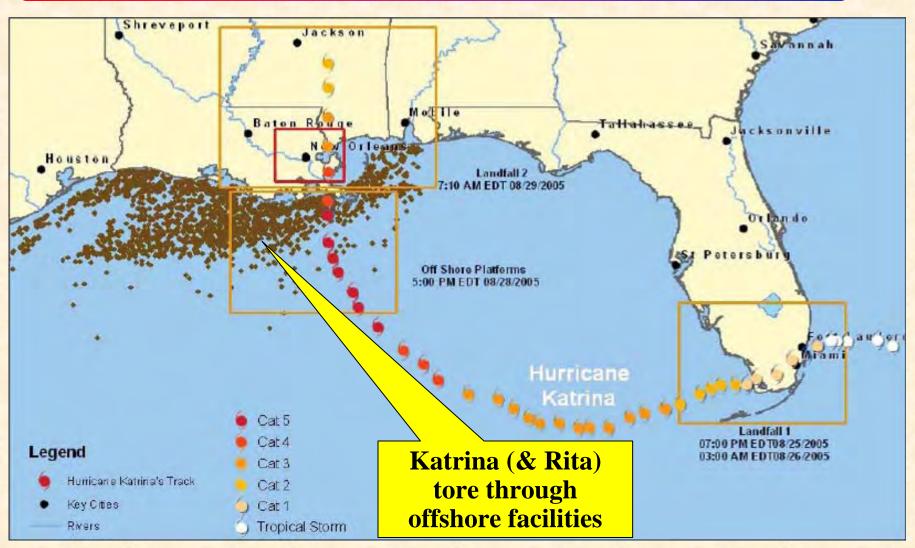
ENERGY MARKET OVERVIEW

The Biggest Casualty of 2004/5



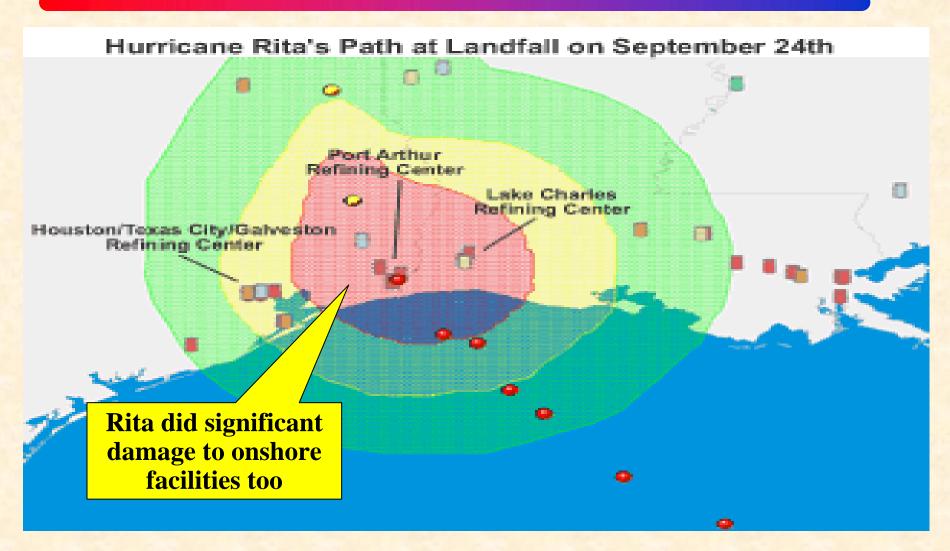


Katrina's Path of Destruction Through the Offshore Energy Industry



Source: "Hurricane Katrina: Profile of a Super Cat," RMS, October 2005.

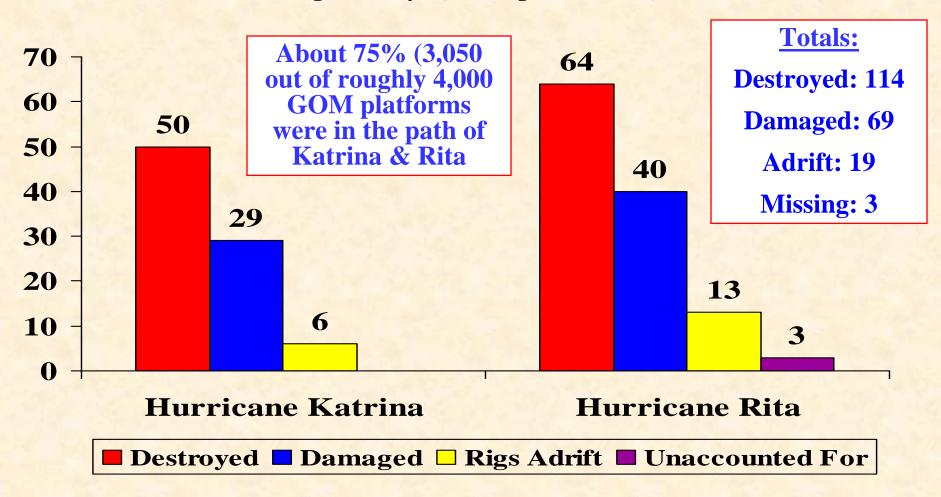
Hurricane Rita's Path Was at Least as Devastating for Energy Concerns



Source: Energy Information Administration; iMapData Inc.

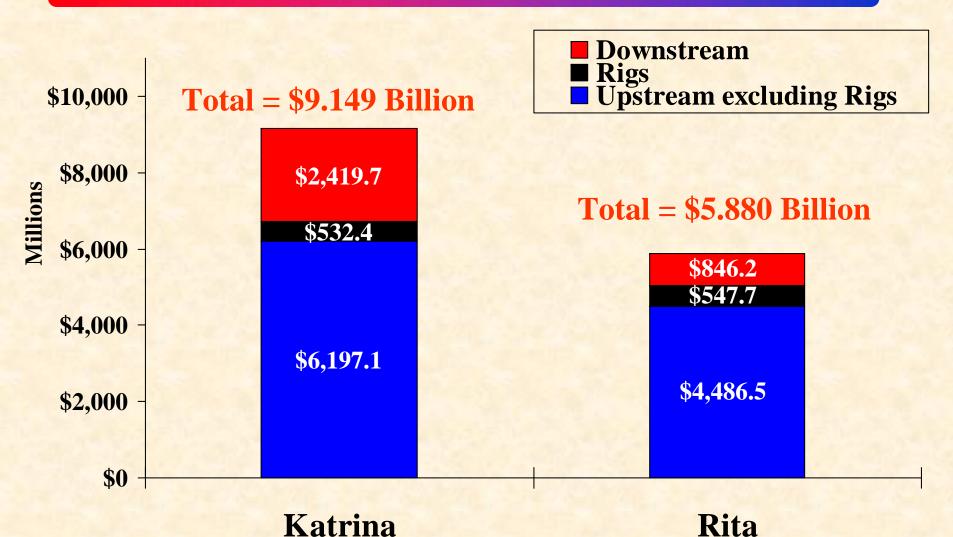
Hurricanes Katrina/Rita: Initial Damage to Oil Platforms & Rigs in Gulf of Mexico

No. of Platforms/Rigs Destroyed, Damaged or Adrift, as of October 4, 2005.





Katrina and Rita Total Energy Sector Estimated Losses*

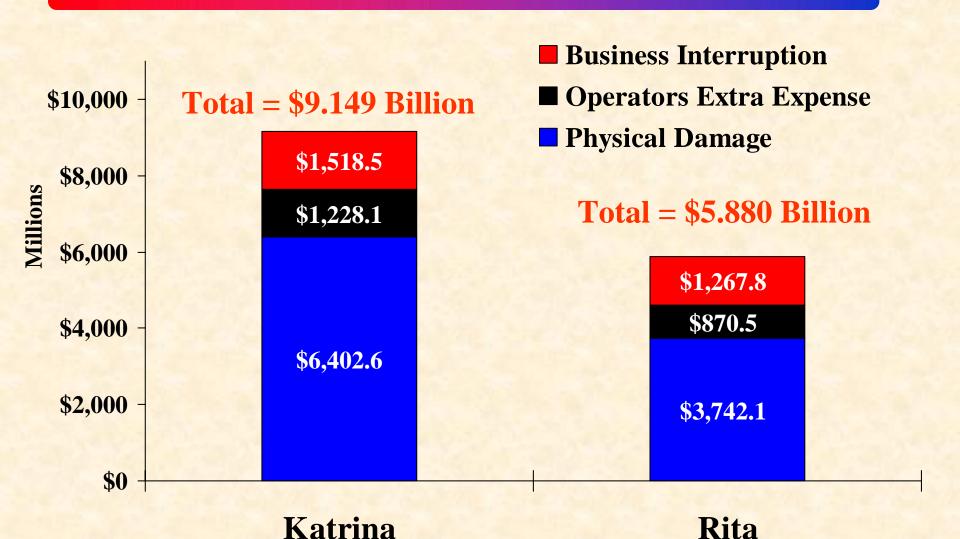


Source: Willis, Energy Market Review, May 2006.

Rita



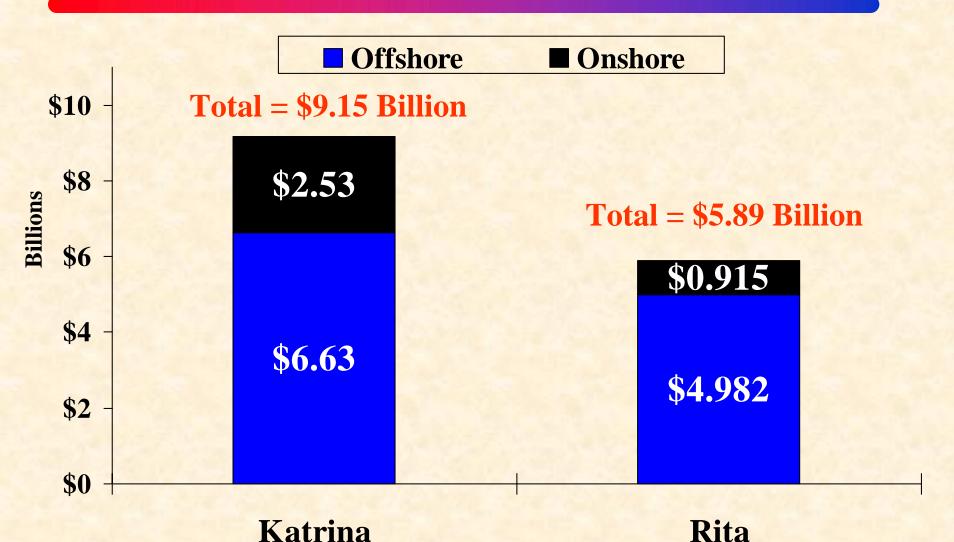
Katrina and Rita Total Energy Sector Losses, by Type*



Source: Willis, Energy Market Review, May 2006.



Katrina & Rita: Total Energy Losses, Onshore vs. Offshore*

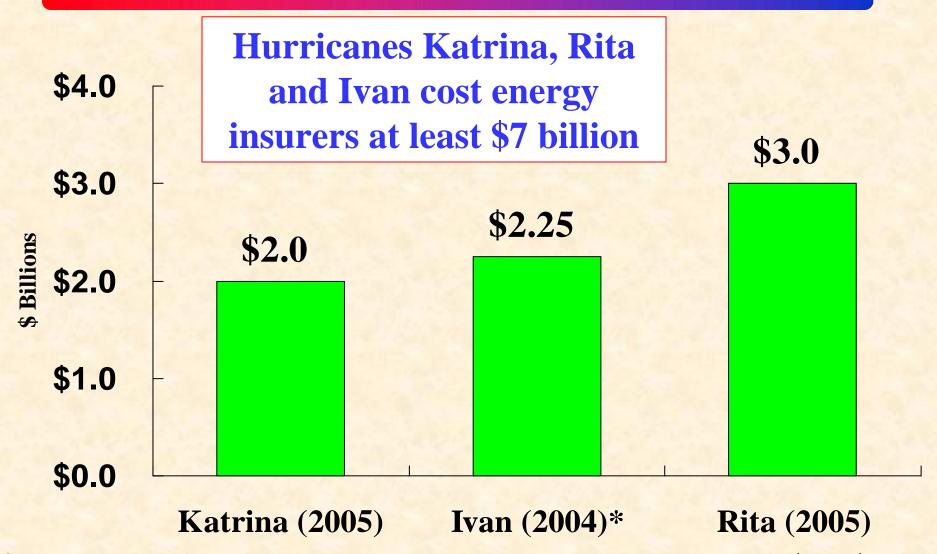


Source: Willis, Energy Market Review, May 2006.

Rita



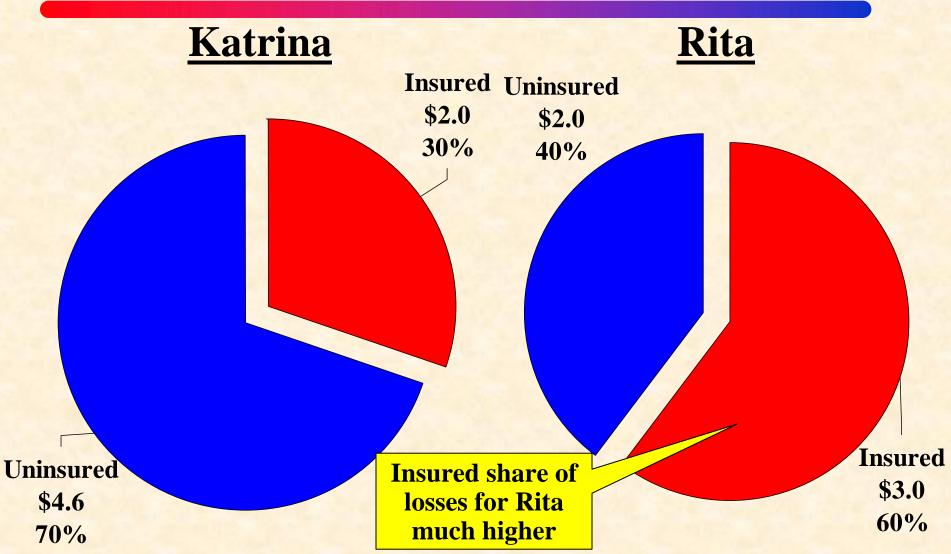
Insured Offshore Energy Losses for Recent Major Gulf Storms



Sources: Insurance Information Institute research estimates. *Midpoint of estimated range for \$2.0 to \$2.5 billion)



Insured vs. Uninsured Energy Losses from Katrina & Rita



Source: Insurance Information Institute; Willis, Energy Market Review, May 2006.

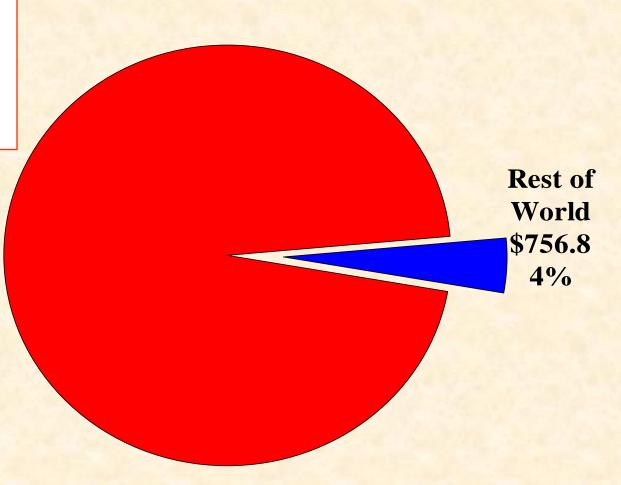


2005 North American Energy Losses a % of Worldwide Losses

North American losses accounted for 96% of all energy sector losses (insured & insured) in 2005

North
America
\$17,715.1
96%

\$ Millions



Source: Willis, Energy Market Review, May 2006.

MARITIME TERRORISM



Risks of Doing Business Internationally: Top 10 Country Rankings (2003-2006)

Ranking	Country	Business Partne	er Score*
1.	Afghanistan	10.0	
2.	Equatorial Guinea	10.0	Business partner
3.	Tajikistan	10.0	risk is the risk of entering into a
4.	Syria	10.0	transaction,
5.	Iraq	8.0	project or other form of
6.	Serbia	7.7	relationship with a
7.	Colombia	7.0	business partner.
8.	Angola	7.0	
9.	Venezuela	7.0	
10.	Vietnam	7.0	

[•]Business Partner Score is a mean score, out of a maximum of 10, derived from three components: ventures halted or modified, transparency and integrity.

[•]Source: Aon 2007 Political and Economic Risk Map; The Risk Advisory Group



Scenarios of Potential Maritime Terrorist Activity

- Use of a commercial container ship to smuggle chemical, biological, or radiological (CBR) materials for an unconventional attack carried out on land or at a major commercial port, e.g. New York, Los Angeles
- Use of a "trojan horse", such as a fishing trawler, resupply ship, tug, or similar to transport weapons and other materials
- Hijacking of a vessel as a fund-raising exercise to support a campaign of political violence directed toward ethnic, ideological, religious, or separatist designs
- Scuttling of a ship in a narrow SLOC (sea lines of communication) in order to block or disrupt maritime traffic

Source: RAND: Maritime Terrorism Risk and Liability, 2006



Scenarios of Potential Maritime Terrorist Activity (Cont.)

- Hijacking of an LNG (liquified natural gas) carrier that is then detonated as a floating bomb or used as a collision weapon
- Use of a small, high-speed boat to attack an oil tanker or offshore energy platform to affect international petroleum prices or cause major pollution
- Directly targeting a cruise liner or passenger ferry to cause mass casualties by contaminating the ship's food supply, detonating an on-board or submersible improvised explosive device (IED) or, again, by ramming the vessel with a fast-approach, small, attack craft



Liability Problems in Maritime <u>Terrorism</u>

KEY LIABILITY ISSUES

- 1. Does the terrorist attack occur in U.S. territory, on U.S. waters, or on the high seas?
- 2. Who are the persons harmed in an attack, and how?
- 3. Will U.S. admiralty laws apply to claims resulting from an attack?
- 4. Who are the potential defendants in civil suits, and what does negligence theory require of them?
- 5. Do maritime security regulations have any implications for civil liability?
- 6. Will a maritime attack result in disruptions to the supply chain?



Liability Problems in Maritime Terrorism (Cont.)

WHY DOES IT MATTER?

- 1. Attacks that occur on the high seas or in foreign territory are less likely to be subject to U.S. jurisdiction.
- 2. The answers help define the pool of potential claimants, and the nature and magnitude of their claims.
- 3. If so, a special set of procedures and substantive legal standards will apply to resolving those claims.
- 4. Parties with a range of commercial interests could become tort defendants in connection with terrorist attacks. Negligence-based theories of liability typically require that defendants take reasonable care against foreseeable harms, subject to duties of care.
- 5. Maritime security regulations establish standards of care that are likely to be imported into civil claims based on negligence.
- 6. Supply chain disruptions could generate contractual disputes as well as tort claims.

Source: RAND: Maritime Terrorism Risk and Liability, 2006

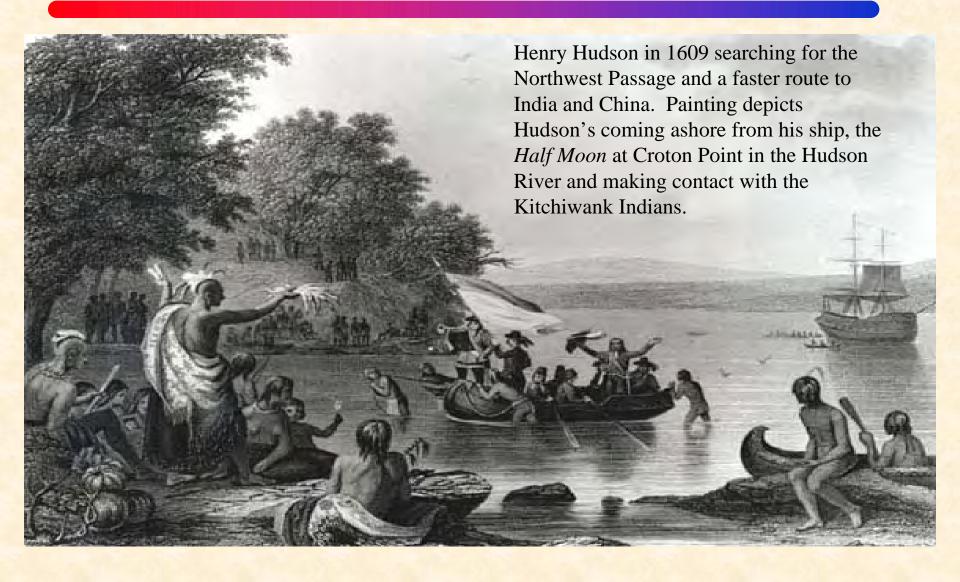
BACKTOTHE FUTURE?

ARCTIC MARINE ISSUES HEATING UP

III An Economic Analysis

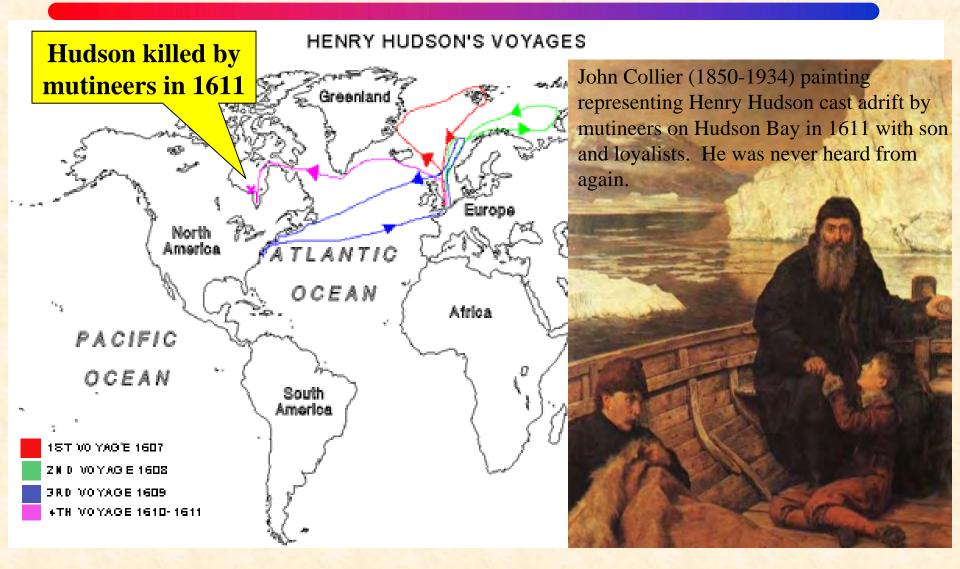
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The Arctic: Maritime Challenge for the 21st Century?



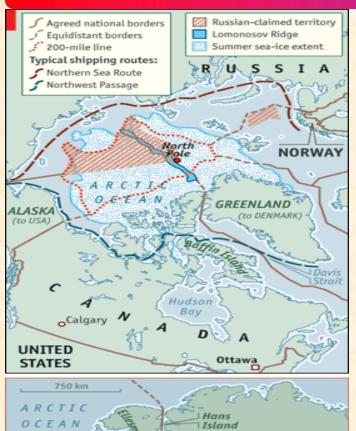


The Arctic: A Dead End for Many a Mariner and Ship





Why the Icy Arctic is Such a Hot Issue for Marine Interests



A R C T I C
O C E A N

Nores G R E E N L A N D
Strait (to Denmark)

Resolute Bay

C A N A D A ONamsivik

B affin. Island

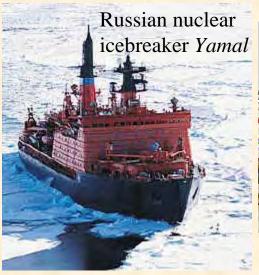
Island

- Claims under 1982 United Nations "Law of the Seas" must be made soon (Russia, 2009; Canada, 2013, Denmark, 2014; US never ratified it)
- •Immense natural resource deposits—high prices globally
- •Fishing rights—dwindling stocks elsewhere
- •Shorter shipping routes between Europe to Asia—burgeoning international trade
- •Climate change—less ice makes travel, exploration and extraction easier

Source: The Economist, August 18, 2007; Insurance Information Institute

Arctic Holds Immense Economic Opportunity Marine Interests...







"Pirate" Russian fishing boats in Svelty Harbor

- •Region holds 25% of world's undiscovered supplies of oil and gas
- •Estimate 10 billion metric tons of oil and gas deposits. Also significant deposits of diamonds, gold, tin, manganese, nickel, lead and platinum
- •Climate change is **expanding trans-Arctic** shipping, fishing, offshore mineral extraction opportunities.
- •Arctic route cuts 2,500 miles off Europe to Asia voyage

...But Arctic Economics Spur The Territorial/Sovereignty Disputes





•PROBLEMS: Disputes over territory heating up. Russia very aggressive, claiming North Pole is Russian territory on Lomonosov Ridge which Russia says is an extension of its continental shelf. Russian planted its flag on the seabed at the Pole in August 2007.



...Arctic Exploitation Leads to Huge Environmental Concerns





- •Climate change means more open water over longer period
- •More ship traffic
- •More chances for collisions, accidents and spillage of toxic cargo and oil
- •Who's responsible for cleaning up a mess in disputed territory?
- •Saber rattling will grow
- •Rights of native peoples?
- •Arctic wildlife in jeopardy
- •Polar bears extinct in wild by 2050?
- •Whaling?
- •Overfishing?



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