

Overview & Outlook for the P/C Insurance Industry: Focus on the Mining Sector

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Presentation Outline



- P/C Insurance Market Overview
 - Where is the market today?
 - Where is it headed?
 - Market drivers
- Overview of Mining Industry
 - Demand (Economic) Drivers
 - Supply (price) Drivers
- Catastrophe Loss Update
 - History & drivers of loss
- Tort System Update
- Q&A

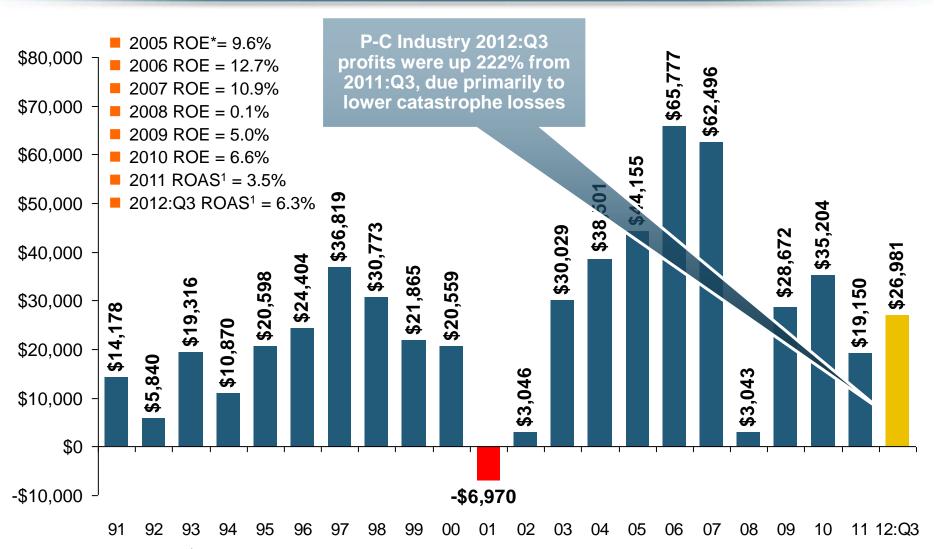


P/C Insurance Industry Financial Overview

The P/C Insurance Industry is Very Strong but Like Mining Can Be a Volatile & Cyclical Business

P/C Net Income After Taxes 1991–2012:Q3 (\$ Millions)



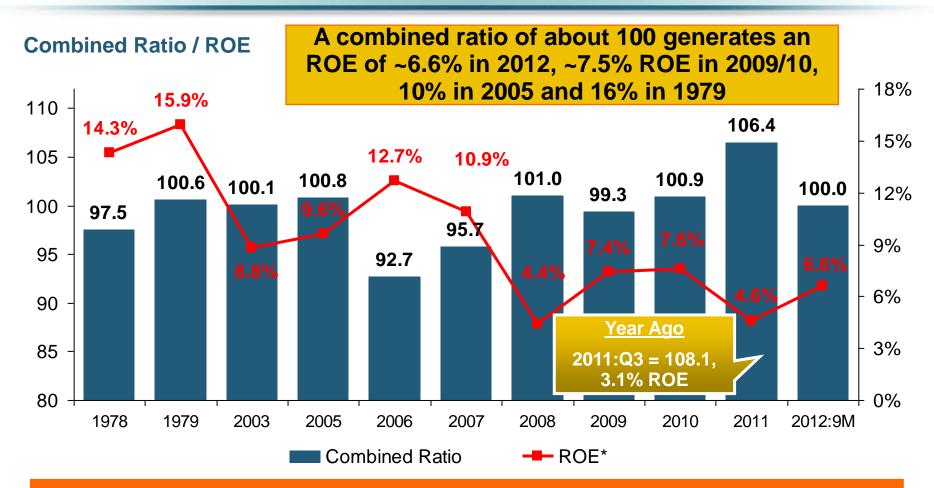


^{*} ROE figures are GAAP; ¹Return on avg. surplus. Excluding Mortgage & Financial Guaranty insurers yields a 6.6% ROAS through 2012:Q3, 4.6% ROAS for 2011, 7.6% for 2010 and 7.4% for 2009.

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

A 100 Combined Ratio Isn't What It Once Was: Investment Impact on ROEs



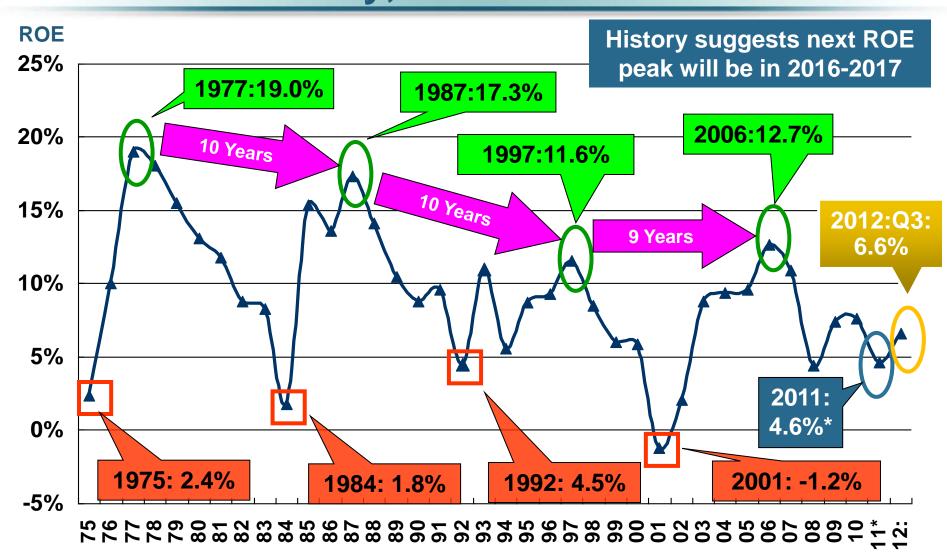


Combined Ratios Must Be Lower in Today's Depressed Investment Environment to Generate Risk Appropriate ROEs

^{* 2008 -2012} figures are return on average surplus and exclude mortgage and financial guaranty insurers. 2012:Q3 combined ratio including M&FG insurers is 100.9, ROAS = 6.3%; 2011 combined ratio including M&FG insurers is 108.2, ROAS = 3.5%. Source: Insurance Information Institute from A.M. Best and ISO data.

Profitability Peaks & Troughs in the P/C Insurance Industry, 1975 – 2012:Q3*

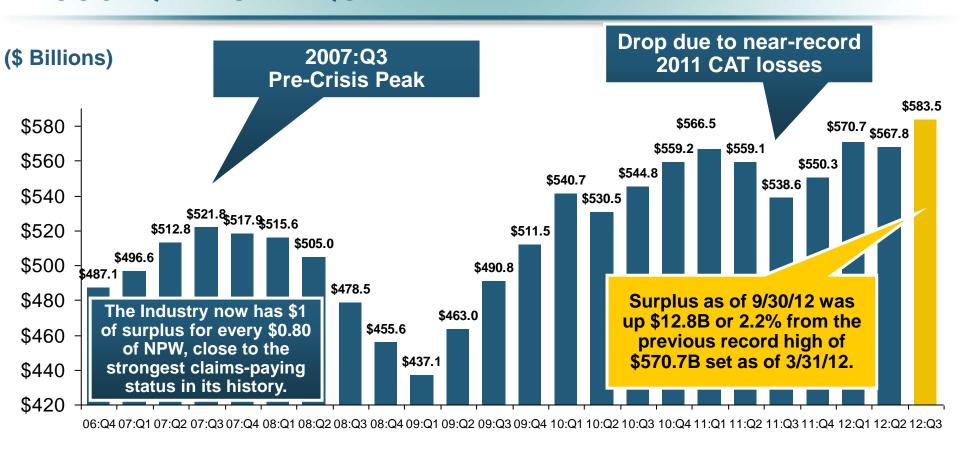




*Profitability = P/C insurer ROEs. 2011 figure is an estimate based on ROAS data. Note: Data for 2008-2012 exclude mortgage and financial guaranty insurers. 2012:Q3 ROAS = 6.2% including M&FG. Source: Insurance Information Institute; NAIC, ISO, A.M. Best.

Policyholder Surplus, 2006:Q4–2012:Q3





*Includes \$22.5B of paid-in capital from a holding company parent for one insurer's investment in a non-insurance business in early 2010.

The P/C Insurance Industry Both Entered and Emerged from the 2012 Hurricane Season Very Strong Financially.



The BIG Question: Where Is the Market Heading?

Catastrophes and Other Factors Are Pressuring Insurance Markets

New Factor: Record Low Interest Rates Are Contributing to Underwriting and Pricing Pressures

Historical Criteria for a "Market Turn": Low Interest Rates Add New Pressure

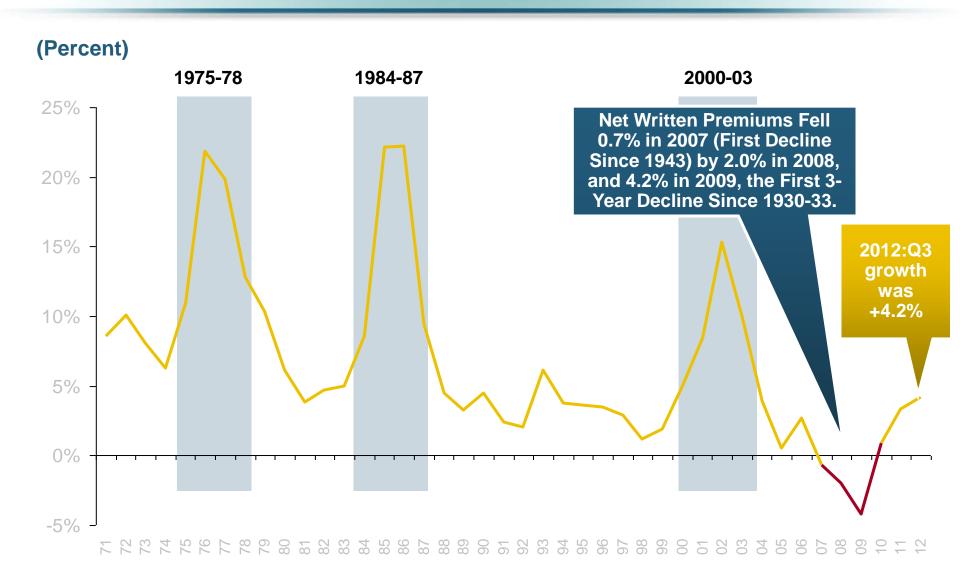


Criteria	Status	Comments
Sustained Period of Large Underwriting Losses	Pushed Up	 CAT Losses contributing to higher underwriting losses Apart from CAT losses, overall p/c underwriting losses remain modest Combined ratios (ex-CATs) still in low 100s (vs. 110+ at onset of last hard market); CR= 101.1 in H1:2012 (ex-M&FG) Prior-year reserve releases continue to reduce u/w losses, boost ROEs, though more modestly
Material Decline in Surplus/ Capacity	Small Decline Due to 2011 Cats; Could drop in 2012	 Fell 1.6% in 2011 due to CATs Surplus reached record as of 9/30/12 record \$583.5B Likely drop as of 12/31/12 due to Sandy impact Modest growth in demand for insurance should begin to absorb some capacity
Tight Reinsurance Market	Somewhat in Place	 Ample capacity Market is generally flat except up for cat-impacted accounts Lower prices in Europe
Renewed Underwriting & Pricing Discipline	Sustained,esp. in Property, WC	Commercial lines pricing is consistently and uniformly across all major lines, esp. Property & WC; Markets remain competitive in most segments

Sources: Barclays Capital; Insurance Information Institute.

Net Premium Growth: Annual Change, 1971—2012:Q3

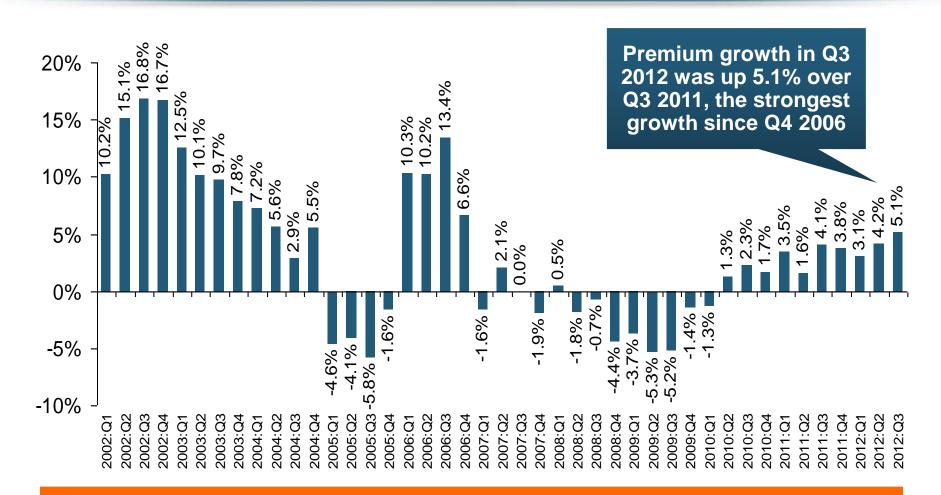




Shaded areas denote "hard market" periods Sources: A.M. Best (historical and forecast), ISO, Insurance Information Institute.

P/C Net Premiums Written: % Change, Quarter vs. Year-Prior Quarter



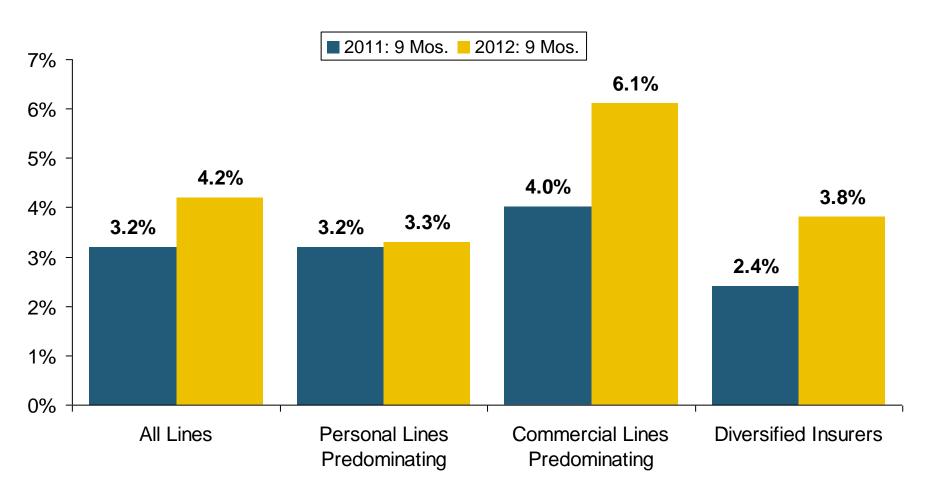


Sustained Growth in Written Premiums (vs. the same quarter, prior year) Will Continue into 2013

Growth in Net Written Premium by Segment, 2012:9 Mos. vs. 2011:9 Mos.*



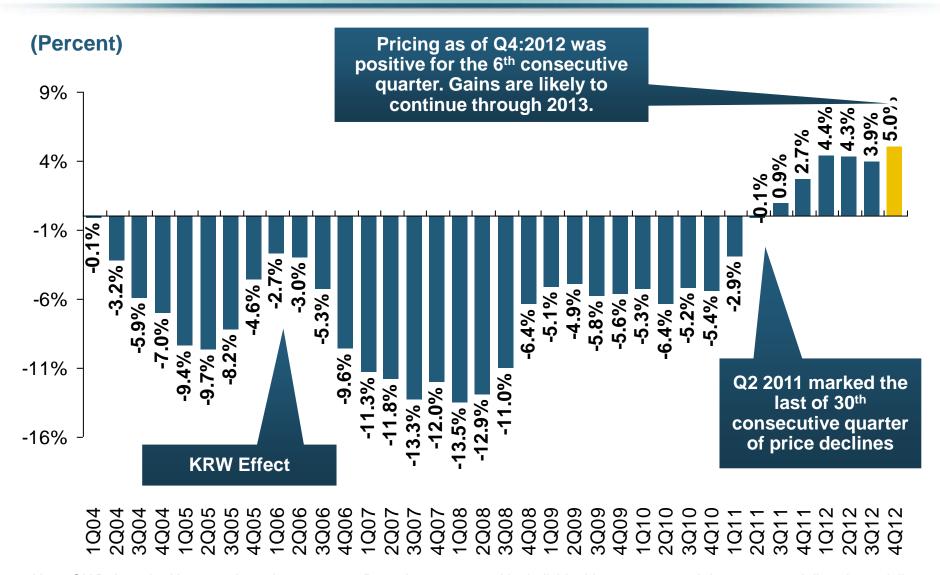
(Percent)



^{*}Excludes mortgage and financial guaranty insurers. Source: ISO/PCI; Insurance Information Institute

Average Commercial Rate Change, All Lines, (1Q:2004–4Q:2012)

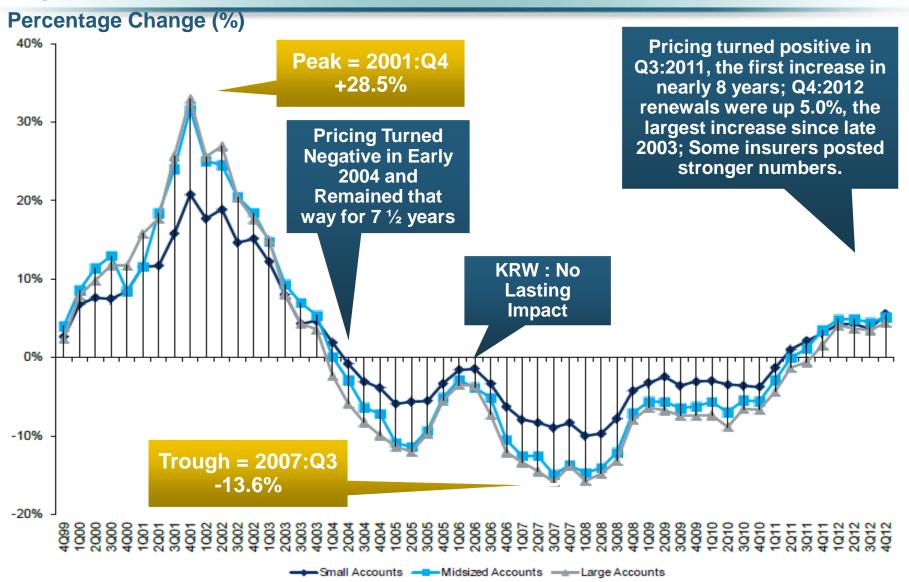




Note: CIAB data cited here are based on a survey. Rate changes earned by individual insurers can and do vary, potentially substantially. Source: Council of Insurance Agents & Brokers; Insurance Information Institute

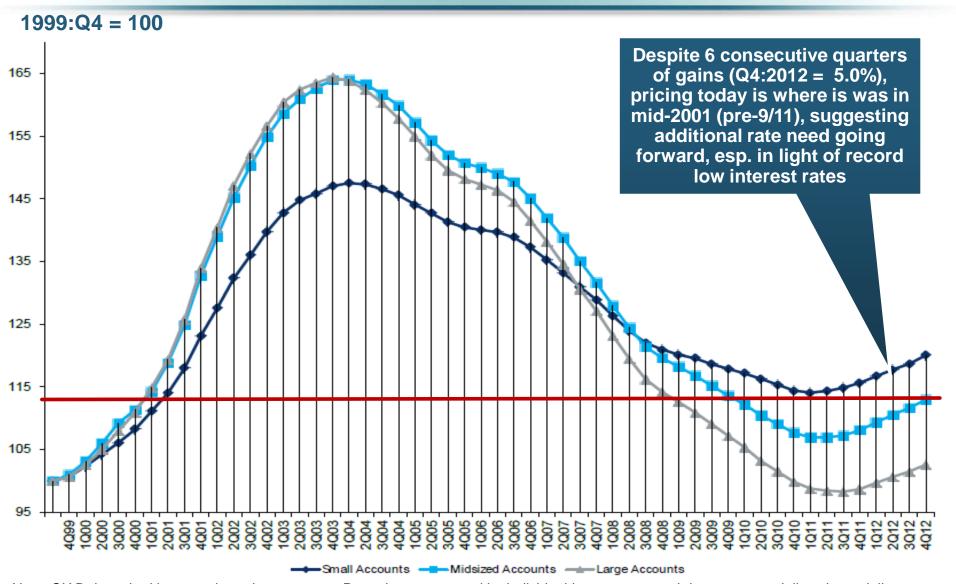
Change in Commercial Rate Renewals, by Account Size: 1999:Q4 to 2012:Q4





Cumulative Qtrly. Commercial Rate Changes, by Account Size: 1999:Q4 to 2012:Q4

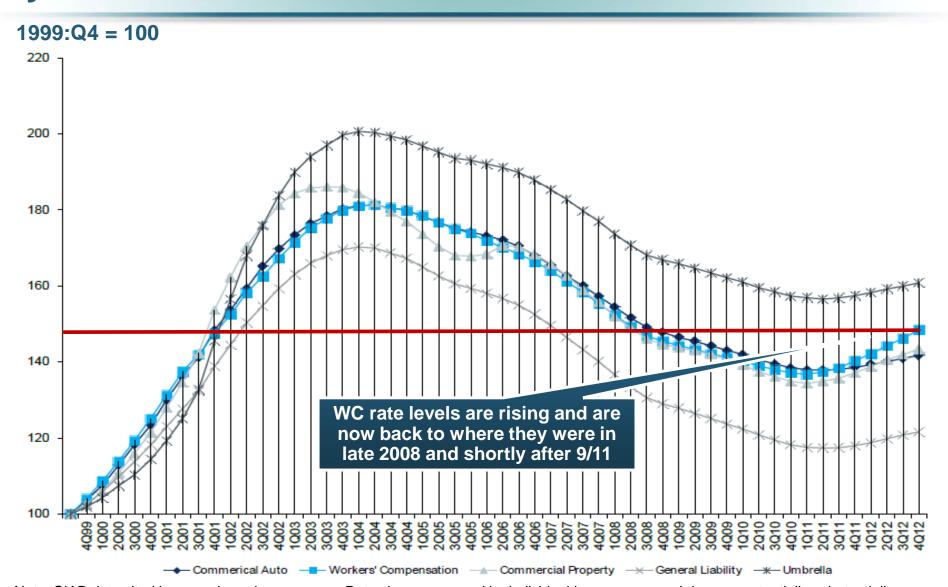




Note: CIAB data cited here are based on a survey. Rate changes earned by individual insurers can and do vary, potentially substantially. Source: Council of Insurance Agents and Brokers; Barclay's Capital; Insurance Information Institute.

Cumulative Qtrly. Commercial Rate Changes, to by Line: 1999:Q4 to 2012:Q4

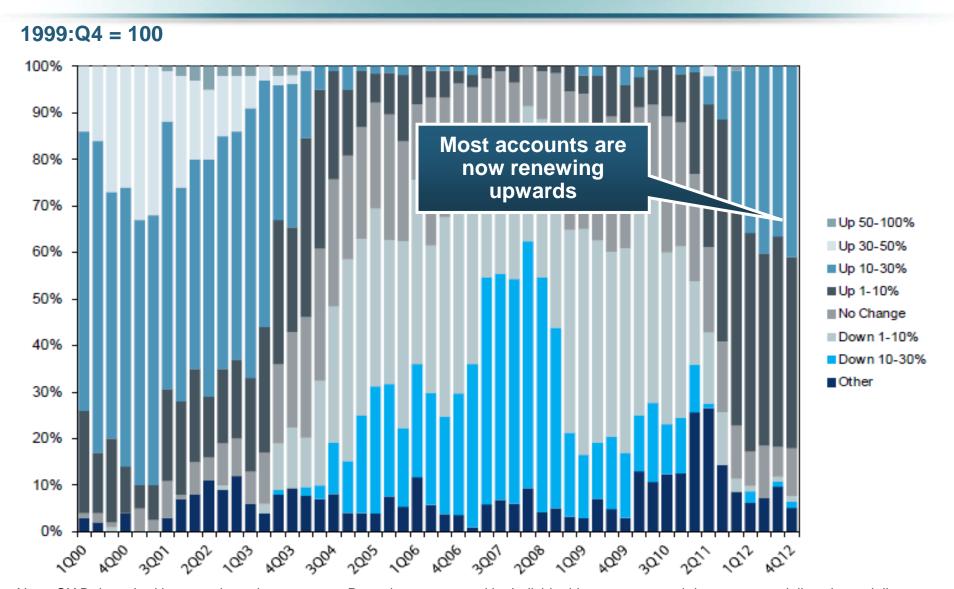




Note: CIAB data cited here are based on a survey. Rate changes earned by individual insurers can and do vary, potentially substantially. Source: Council of Insurance Agents and Brokers; Barclay's Capital; Insurance Information Institute.

Workers Comp. Quarterly Rate Changes, by Line: 2000:Q1 to 2012:Q4

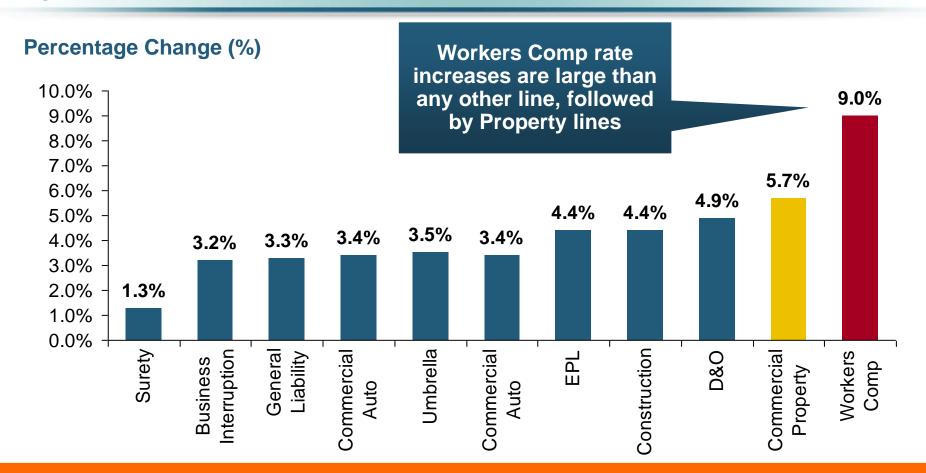




Note: CIAB data cited here are based on a survey. Rate changes earned by individual insurers can and do vary, potentially substantially. Source: Council of Insurance Agents and Brokers; Barclay's Capital; Insurance Information Institute.

Change in Commercial Rate Renewals, by Line: 2012:Q4

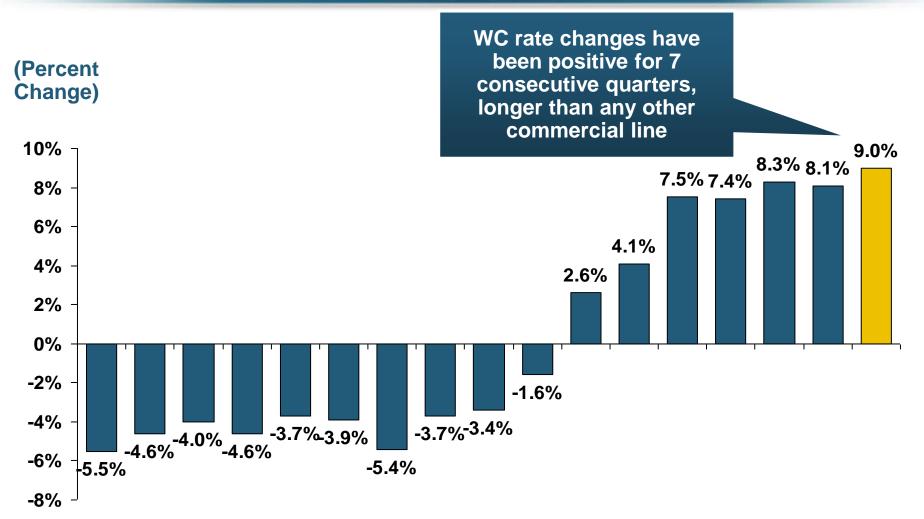




Major Commercial Lines Renewed Uniformly Upward in Q4:2012 for the Sixth Consecutive Quarter; Property Lines & Workers Comp Leading the Way; Cat Losses and Low Interest Rates Provide Momentum Going Forward

Workers Comp Rate Changes, 2008:Q4 – 2012:Q4





08:Q4 09:Q1 09:Q2 09:Q3 09:Q4 10:Q1 10:Q2 10:Q3 10:Q4 11:Q1 11:Q2 11:Q3 11:Q4 12:Q1 12:Q2 12:Q3 12:Q4

Note: CIAB data cited here are based on a survey. Rate changes earned by individual insurers can and do vary, potentially substantially. Source: Council of Insurance Agents and Brokers; Information Institute.

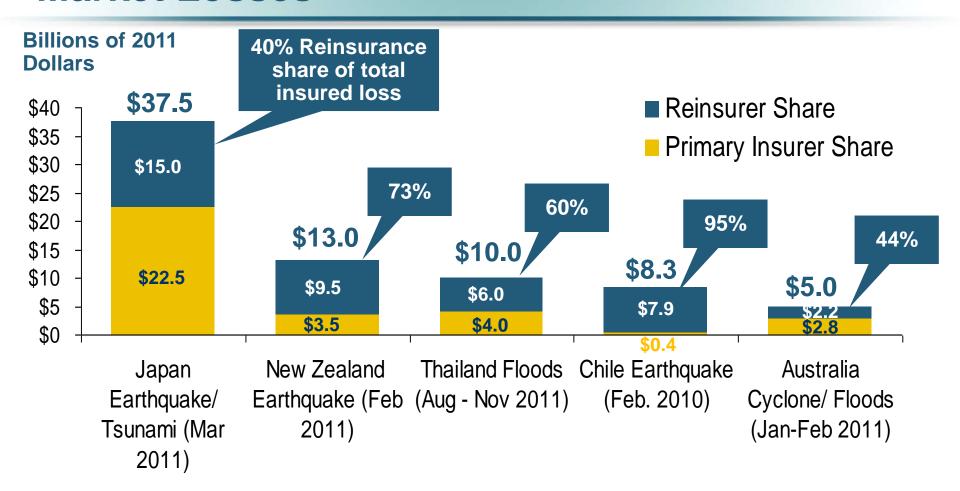


REINSURANCE MARKET CONDITIONS

Record Global Catastrophes Activity is Pressuring Pricing

Reinsurer Share of Recent Significant Market Losses

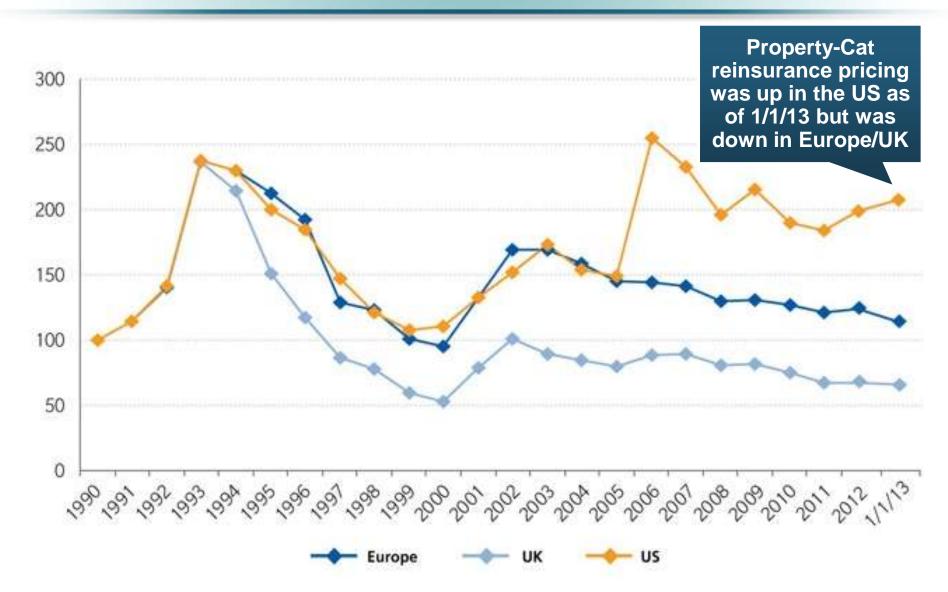




Reinsurers Paid a High Proportion of Insured Losses Arising from Major Catastrophic Events Around the World in Recent Years

Regional Property Catastrophe Rate on Line Index, 1990—2013 (as of January 1)







INVESTMENTS: THE NEW REALITY

Investment Performance is a Key Driver of Profitability

Depressed Yields Will Necessarily Influence Underwriting & Pricing

Property/Casualty Insurance Industry Investment Income: 2000–2012E¹







Investment Income Fell in 2012 Due to Persistently Low Interest Rates, Putting Additional Pressure on (Re) Insurance Pricing

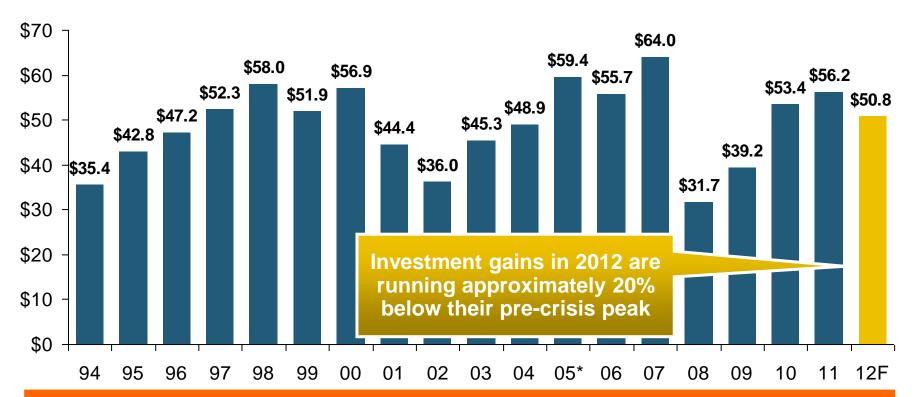
¹ Investment gains consist primarily of interest and stock dividends.

^{*2012}F is based on annualized 9M:2012 actual figure of \$35.131B. Sources: ISO: Insurance Information Institute.

Property/Casualty Insurance Industry Investment Gain: 1994–2012F¹



(\$ Billions)



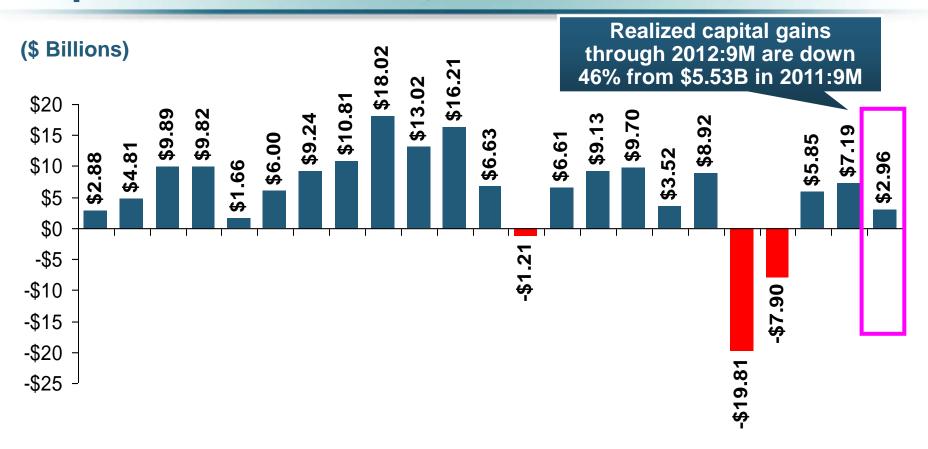
Investment Gains Are Slipping in 2012 as Low Interest Rates Reduce Investment Income and Lower Realized Investment Gains; The Financial Crisis Caused Investment Gains to Fall by 50% in 2008

¹ Investment gains consist primarily of interest, stock dividends and realized capital gains and losses.

^{* 2005} figure includes special one-time dividend of \$3.2B; 2012F figure is III estimate based on annualized actual 9M:2012 result of \$38.089B. Sources: ISO; Insurance Information Institute.

P/C Insurer Net Realized Capital Gains/Losses, 1990-2012:Q3



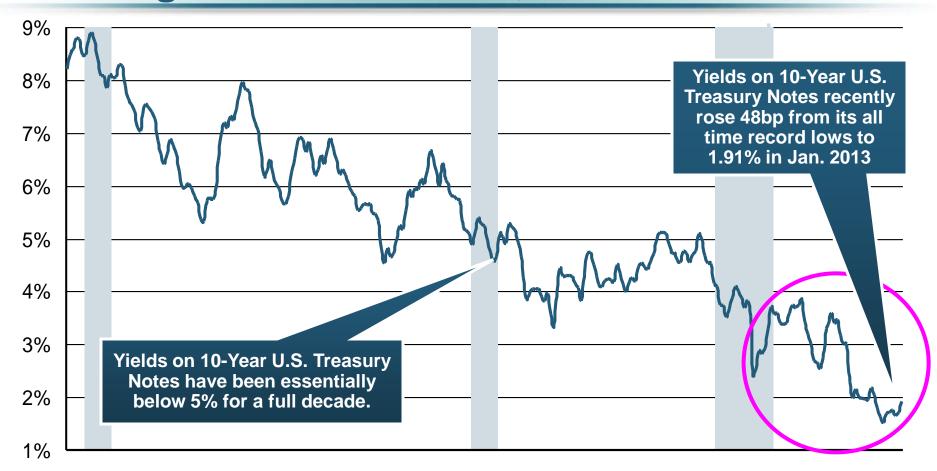


90 91 92 93 94 95 96 97 98 99 00 01 02 03 04 05 06 07 08 09 10 1112:9M

Insurers Posted Net Realized Capital Gains in 2010, 2011 and 2012 Following Two Years of Realized Losses During the Financial Crisis. Realized Capital Losses Were the Primary Cause of 2008/2009's Large Drop in Profits and ROE

U.S. 10-Year Treasury Note Yields: A Long Downward Trend, 1990–2013*





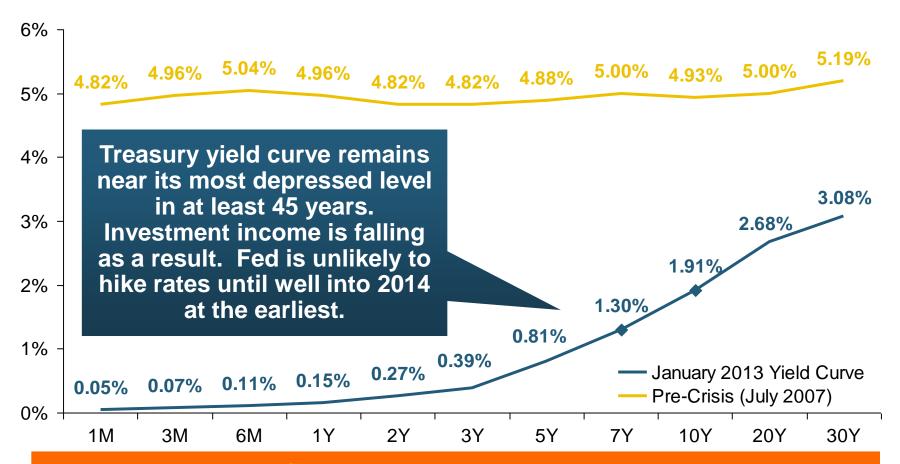
'90 '91 '92 '93 '94 '95 '96 '97 '98 '99 '00 '01 '02 '03 '04 '05 '06 '07 '08 '09 '10 '11 '12 '13

Since roughly 80% of P/C bond/cash investments are in 10-year or shorter durations, most P/C insurer portfolios will have low-yielding bonds for years to come.

^{*}Monthly, through Jan. 2013. Note: Recessions indicated by gray shaded columns. Sources: Federal Reserve Bank at http://www.federalreserve.gov/releases/h15/data.htm. National Bureau of Economic Research (recession dates); Insurance Information Institutes.

Treasury Yield Curves: Pre-Crisis (July 2007) vs. Jan. 2013

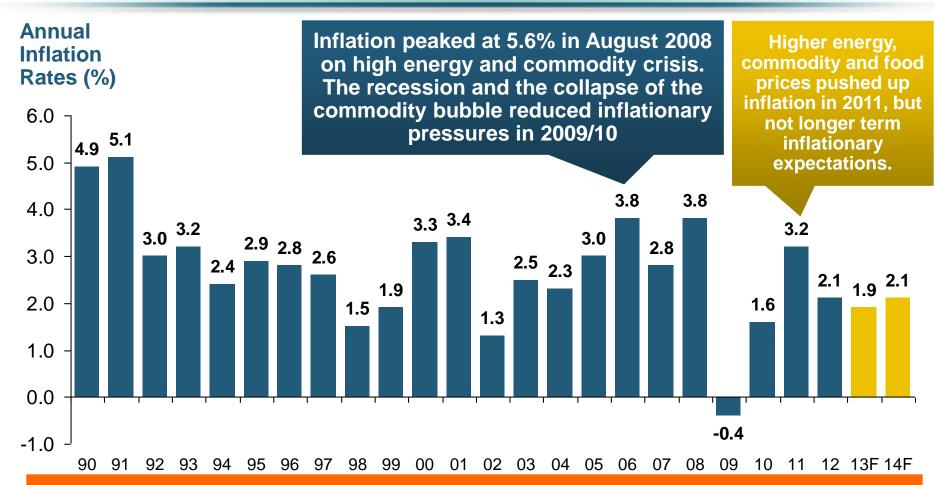




The Fed Is Actively Signaling that it Is Determined to Keep Rates Low Until Unemployment Drops Below 6.5% or Until Inflation Expectations Exceed 2.5%; Low Rates Add to Pricing Pressure for Insurers.

Annual Inflation Rates, (CPI-U, %), 1990–2014F



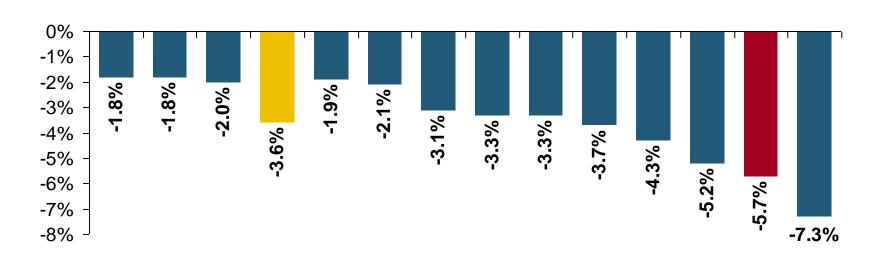


The slack in the U.S. economy suggests that inflationary pressures should remain subdued for an extended period of times. Energy, health care and commodity prices, plus U.S. debt burden, remain longer-run concerns

Reduction in Combined Ratio Necessary to Offset 1% Decline in Investment Yield to Maintain Constant ROE, by Line*







Lower Investment Earnings Place a Greater Burden on Underwriting and Pricing Discipline

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

^{*}Based on 2008 Invested Assets and Earned Premiums

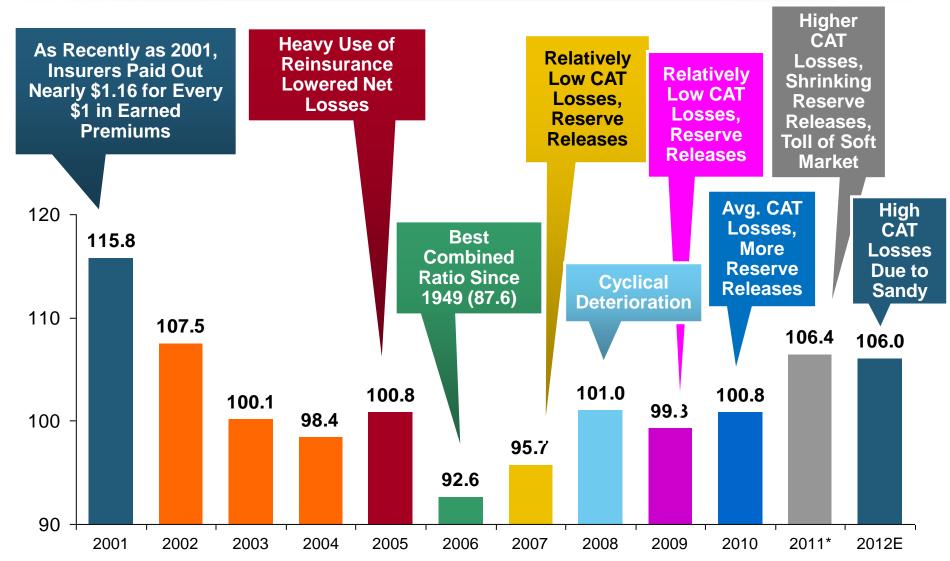
^{**}US domestic reinsurance only



P/C Insurance Industry Underwriting Performance

P/C Insurance Industry Combined Ratio, 2001–2012*

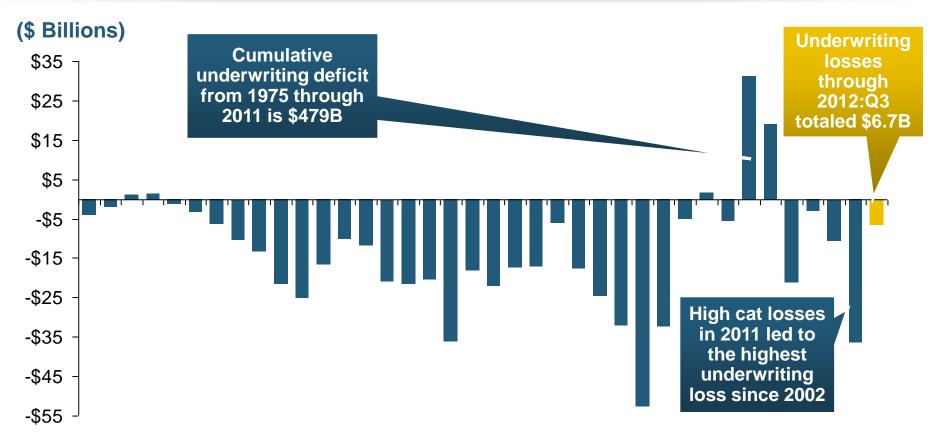




^{*} Excludes Mortgage & Financial Guaranty insurers 2008--2012. Including M&FG, 2008=105.1, 2009=100.7, 2010=102.4, 2011=108.2; 2012:Q3=100.0. Sources: A.M. Best, ISO.

Underwriting Gain (Loss) 1975–2012:Q3*





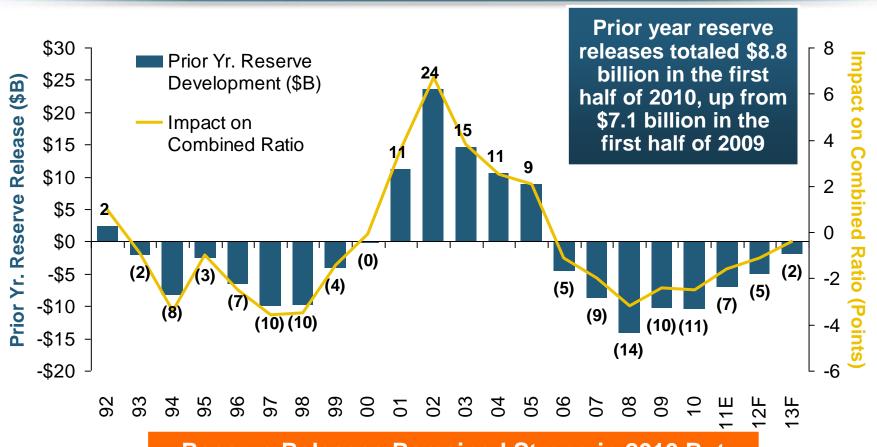
75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 00 01 02 03 04 05 06 07 08 09 10 11 12

Large Underwriting Losses Are *NOT* Sustainable in Current Investment Environment

^{*} Includes mortgage and financial guaranty insurers in all years. Sources: A.M. Best, ISO: Insurance Information Institute.

P/C Reserve Development, 1992–2013F





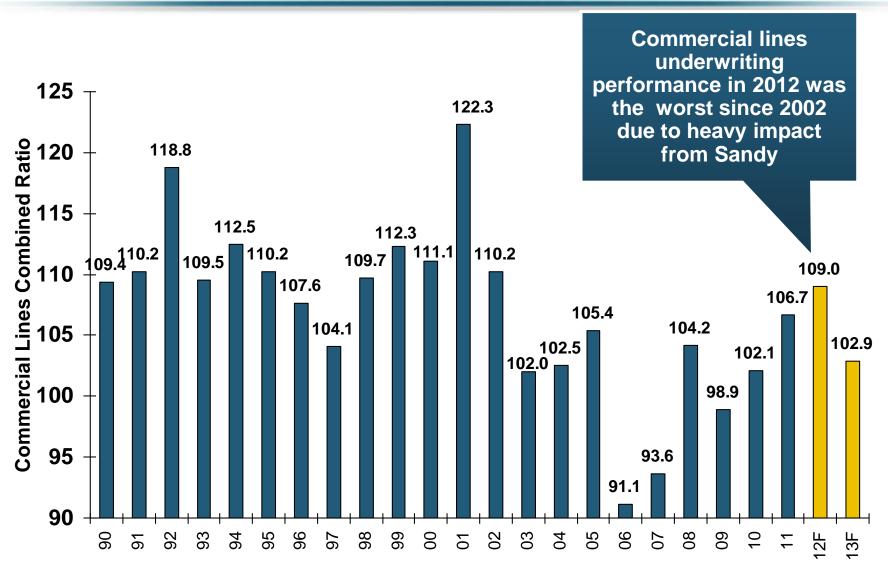
Reserve Releases Remained Strong in 2010 But Tapered Off in 2011. Releases Are Expected to Further Diminish in 2012 and 2103

Note: 2005 reserve development excludes a \$6 billion loss portfolio transfer between American Re and Munich Re. Including this transaction, total prior year adverse development in 2005 was \$7 billion. The data from 2000 and subsequent years excludes development from financial guaranty and mortgage insurance.

Sources: Barclays Capital; A.M. Best.

Commercial Lines Combined Ratio, 1990-2013F*



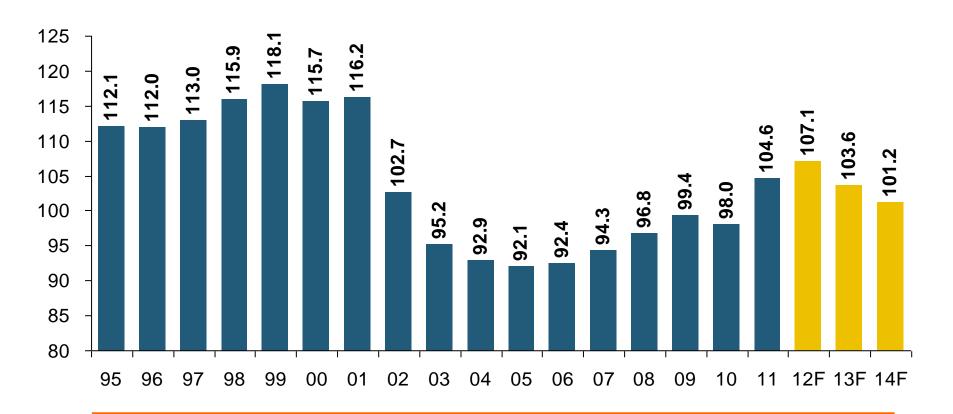


*2007-2013F figures exclude mortgage and financial guaranty segments.

Source: A.M. Best; Insurance Information Institute

Commercial Auto Combined Ratio: 1993–2014F

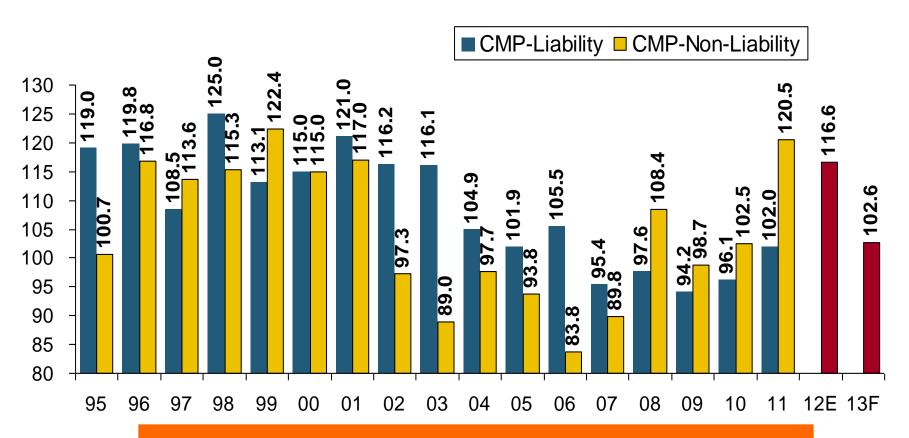




Commercial Auto is Expected to Improve as Rate Gains
Outpace Any Adverse Frequency and Severity Trends

Commercial Multi-Peril Combined Ratio: 1995–2013F



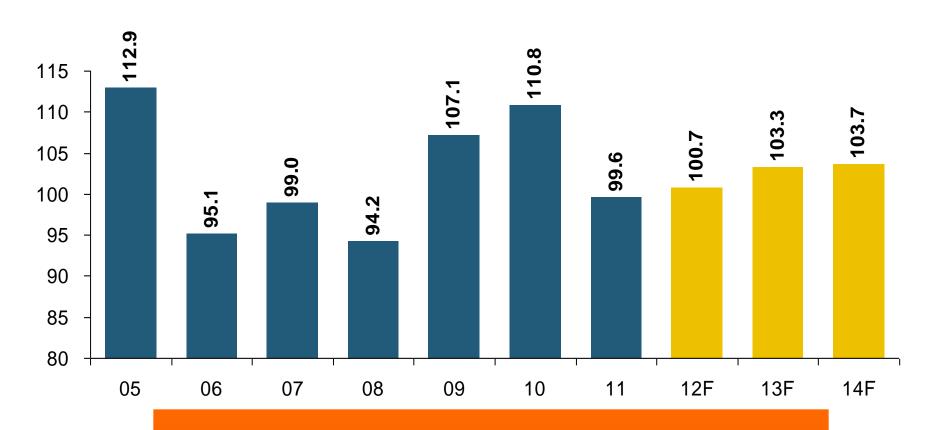


Commercial Multi-Peril Underwriting Performance is Expected to Improve in 2013 Assuming Normal Catastrophe Loss Activity

^{*2012-2013} figures are A.M. Best estimate/forecast for the combined liability and non-liability components. Sources: A.M. Best; Insurance Information Institute.

General Liability Combined Ratio: 2005–2014F

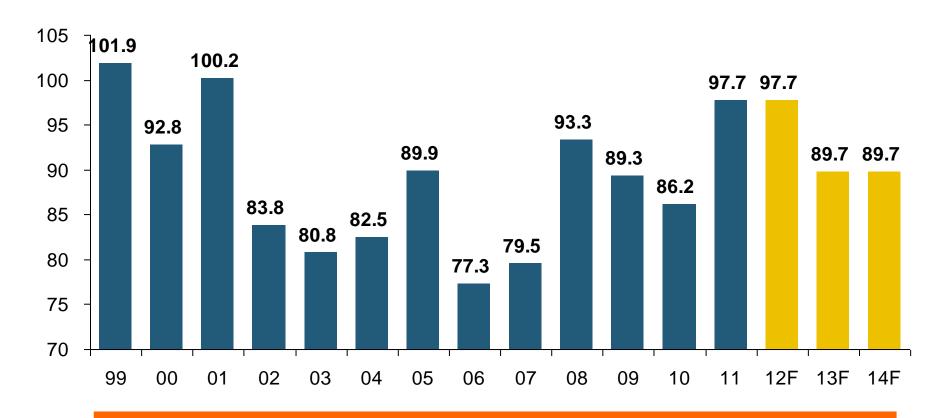




Commercial General Liability Underwriting Performance Has Been Volatile in Recent Years

Inland Marine Combined Ratio: 1999–2014F

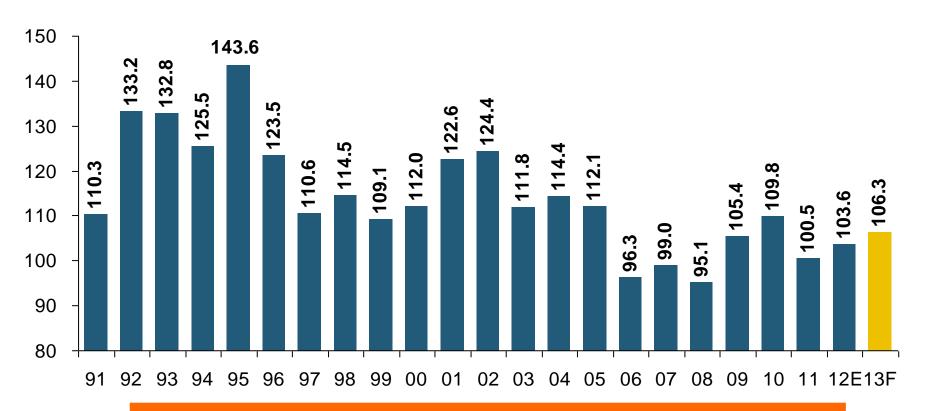




Inland Marine is Expected to Remain Among the Most Profitable of All Lines

Other & Products Liability Combined Ratio: 1991–2013F

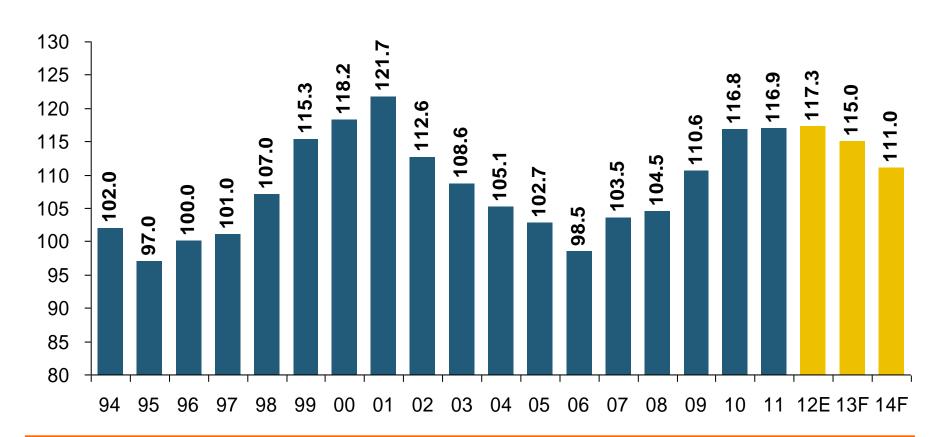




Liability Lines Have Performed Better in the Post-Tort Reform Era (~2005), but There Has Been Some Deterioration in Recent Years

Workers Compensation Combined Ratio: 1994–2014F





Workers Comp Results Should Begin to Improve in 2013. Underwriting Results Deteriorated Markedly from 2007-2012 and Were the Worst They Had Been in a Decade.



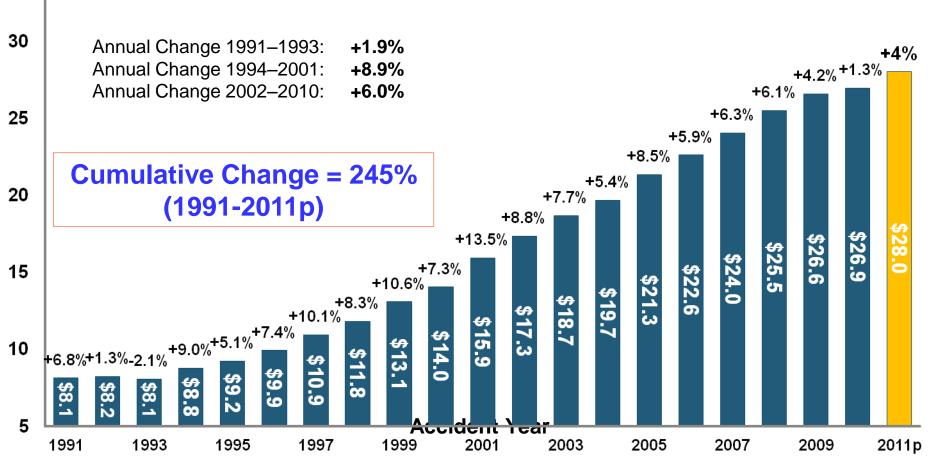
Workers Compensation Operating Environment

The Weak Economy and Soft Market Have Made the Workers Comp Operating Increasingly Challenging

Workers Compensation Medical Severity Moderate Increase in 2011





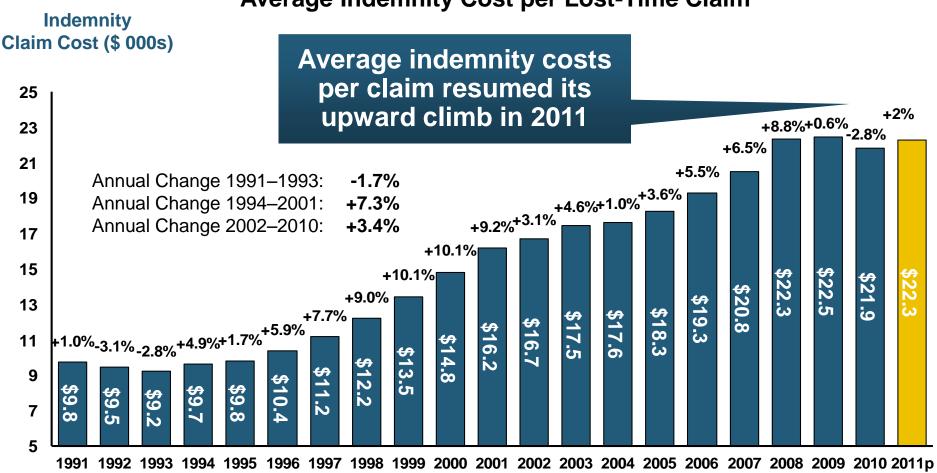


2011p: Preliminary based on data valued as of 12/31/2011 1991-2010: Based on data through 12/31/2010, developed to ultimate Based on the states where NCCI provides ratemaking services; Excludes high deductible policies

Workers Comp Indemnity Claim Costs: Modest Increase in 2011



Average Indemnity Cost per Lost-Time Claim



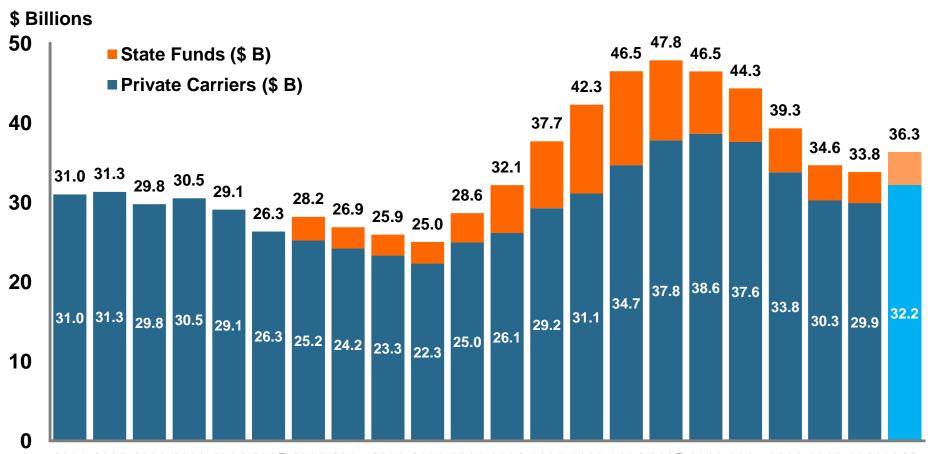
Accident Year

2010p: Preliminary based on data valued as of 12/31/2011 1991–2010: Based on data through 12/31/2010, developed to ultimate Based on the states where NCCI provides ratemaking services Excludes high deductible policies

Workers Compensation Premium: First Increase in Years



Net Written Premium



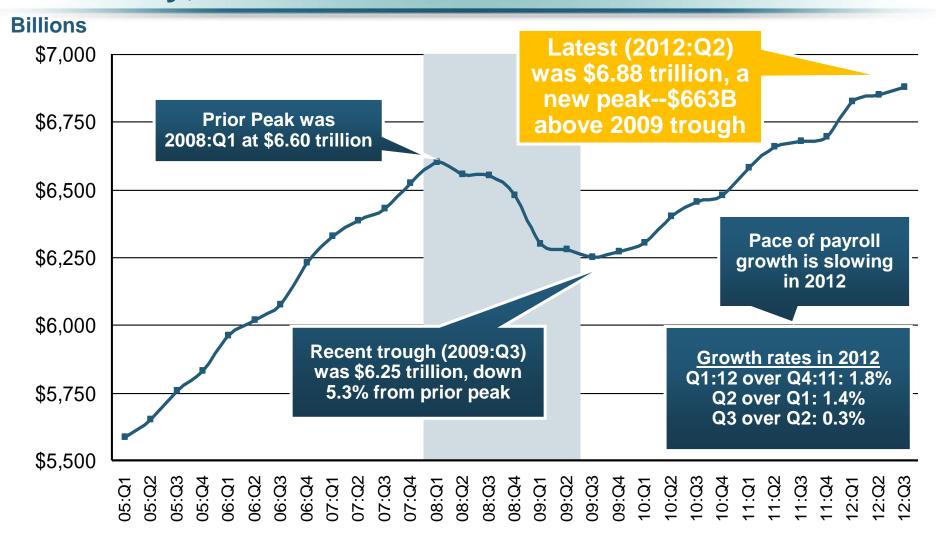
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 20102011p

p Preliminary

Source: 1990–2010 Private Carriers, *Best's Aggregates & Averages*; 2011p, NCCI 1996–2011p State Funds: AZ, CA, CO, HI, ID, KY, LA, MD, MO, MT, NM, OK, OR, RI, TX, UT Annual Statements State Funds available for 1996 and subsequent

Nonfarm Payroll (Wages and Salaries): Quarterly, 2005–2012:Q3



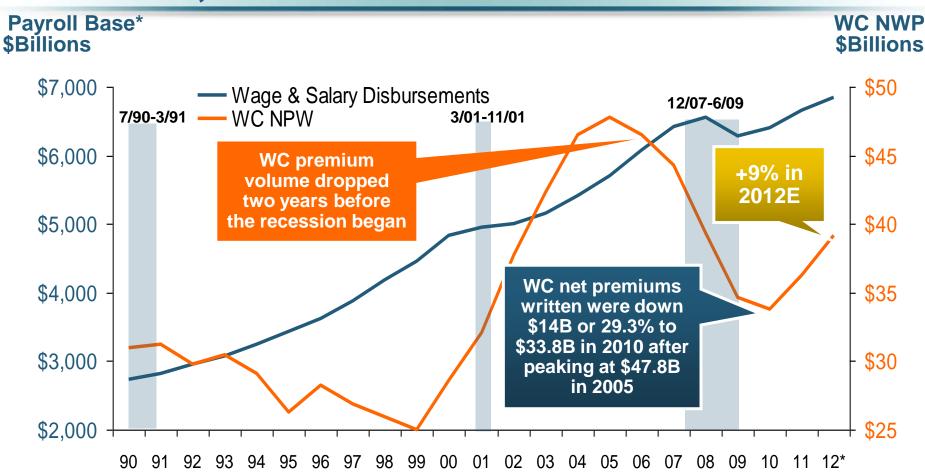


Note: Recession indicated by gray shaded column. Data are seasonally adjusted annual rates.

Sources: http://research.stlouisfed.org/fred2/series/WASCUR; National Bureau of Economic Research (recession dates); Insurance Information Institute.

Payroll vs. Workers Comp Net Written Premiums, 1990-2012E





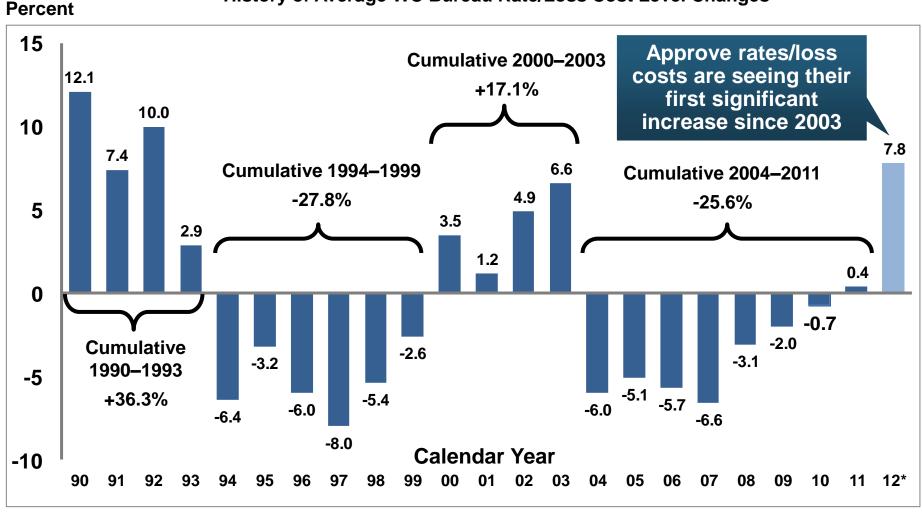
Continued Payroll Growth and Rate Increases Suggest WC NWP Will Grow Again in 2012; +7.9% Growth in 2011 Was the First Gain Since 2005

^{*}Private employment; Shaded areas indicate recessions. Payroll and WC premiums for 2012 is I.I.I. estimate based YTD 2012 actuals. Sources: NBER (recessions); Federal Reserve Bank of St. Louis at http://research.stlouisfed.org/fred2/series/WASCUR; NCCI; I.I.I.

Average Approved Bureau Rates/Loss Costs







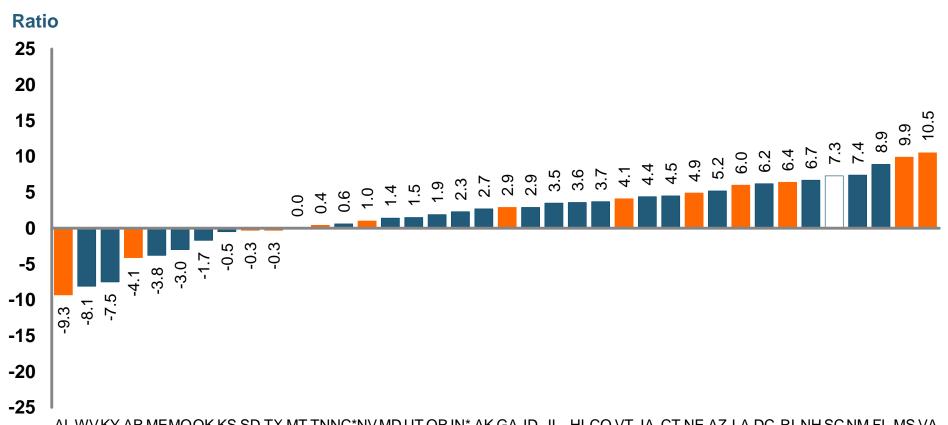
^{*}States approved through 7/31/12.

Note: Countrywide approved changes in advisory rates, loss costs and assigned risk rates as filed by applicable rating organization. Source: NCCI.

Current NCCI Voluntary Market Filed Rate/Loss Cost Changes



(Excludes Law-Only Filings)



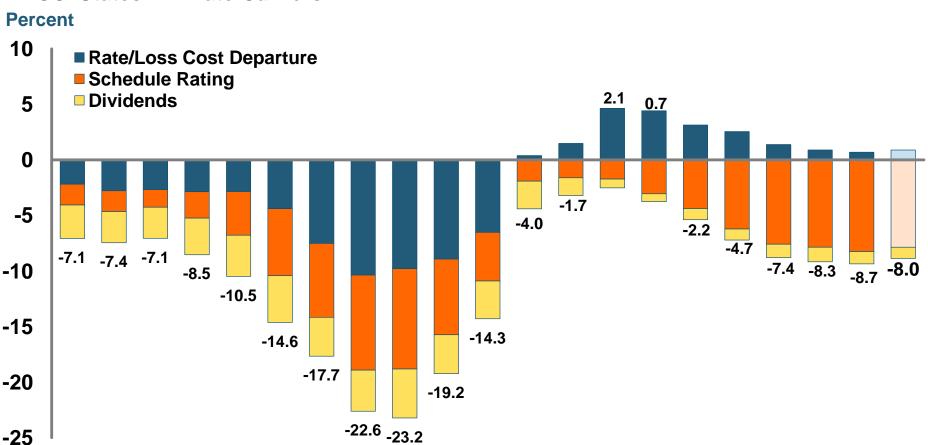
ALWVKY AR MEMOOK KS SD TX MT TNNC*NV MD UT OR IN* AK GA ID IL HI CO VT IA CT NE AZ LA DC RI NH SC NM FL MS VA

Impact of Discounting on Workers **Compensation Premium**



NCCI States—Private Carriers

-25



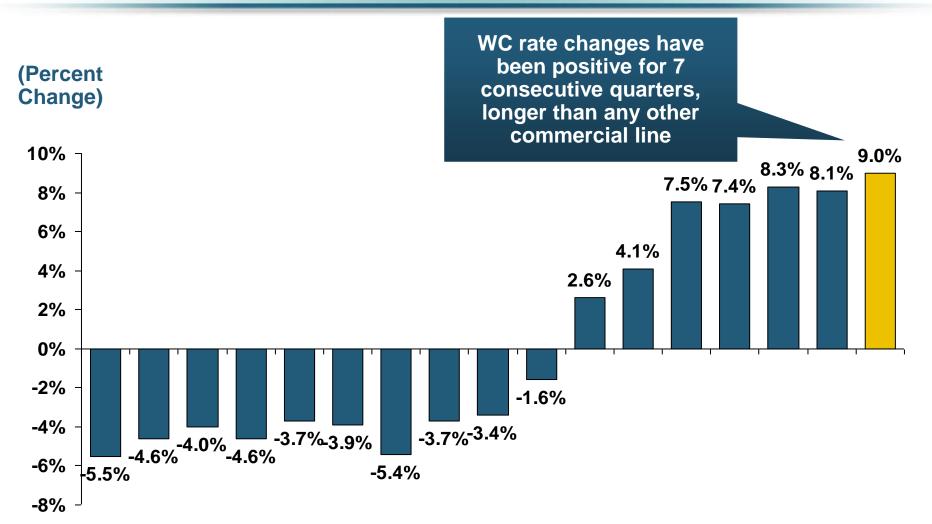
1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 p

p Preliminary **Policy Year**

Dividend ratios are based on calendar year statistics NCCI benchmark level does not include an underwriting contingency provision Based on data through 12/31/2011 for the states where NCCI provides ratemaking services Source: NCCI.

Workers Comp Rate Changes, 2008:Q4 – 2012:Q4





08:Q4 09:Q1 09:Q2 09:Q3 09:Q4 10:Q1 10:Q2 10:Q3 10:Q4 11:Q1 11:Q2 11:Q3 11:Q4 12:Q1 12:Q2 12:Q3 12:Q4

Note: CIAB data cited here are based on a survey. Rate changes earned by individual insurers can and do vary, potentially substantially. Source: Council of Insurance Agents and Brokers; Information Institute.



US Mining Drivers for Extractive Mining Operations

Natural Resources/Commodities Have Been Among the Strongest Sectors in Recent Years, Driving Insurance Demand

U.S. Mining Production, Monthly, Jan 2005 – Jan. 2013*





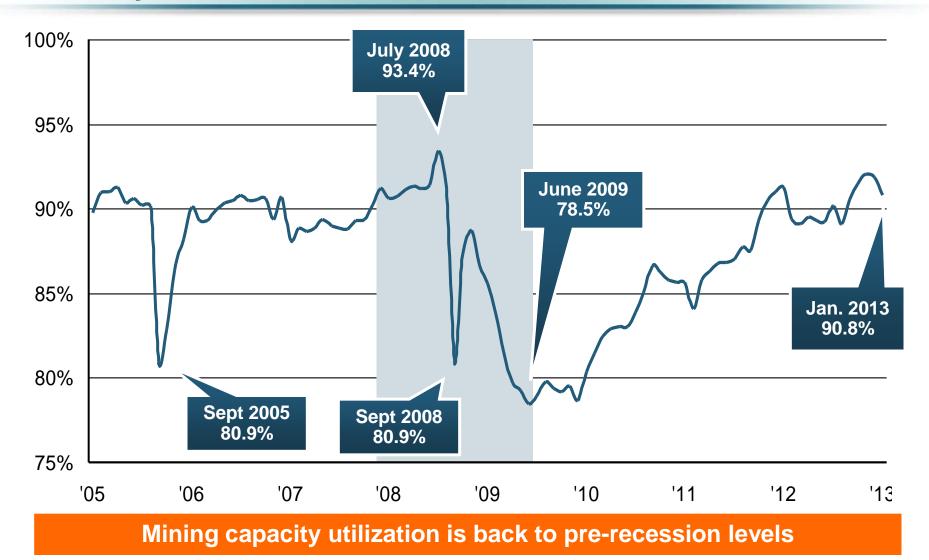
^{*}seasonally adjusted; Jan 2013 number is preliminary

Note: Recession indicated by gray shaded column.

Sources: www.federalreserve.gov; National Bureau of Economic Research (recession dates); Insurance Information Institutes.

U.S. Mining Capacity Utilization, Monthly, Jan 2005 – Jan 2013*





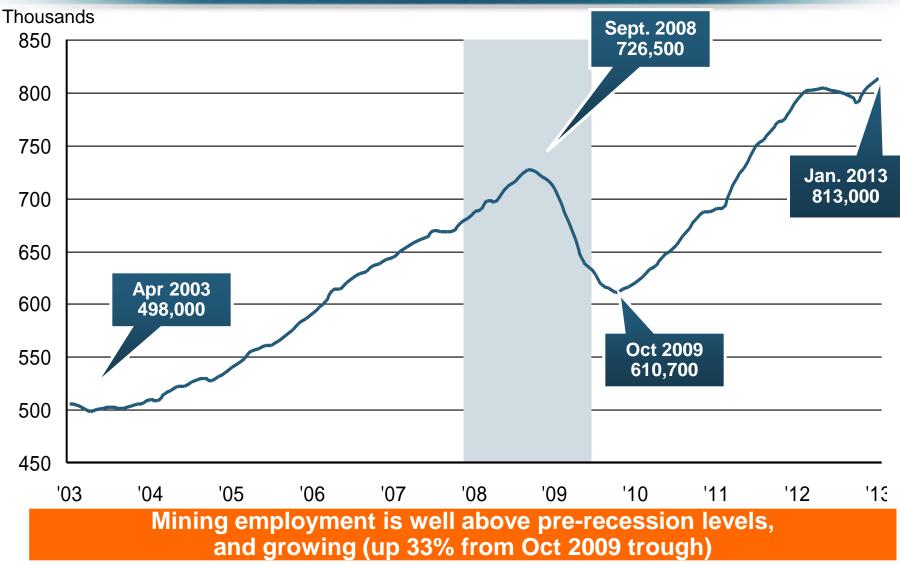
*seasonally adjusted; Jan 2013 data is preliminary

Note: Recession indicated by gray shaded column.

Sources: www.federalreserve.gov; National Bureau of Economic Research (recession dates); Insurance Information Institutes.

U.S. Mining Employment, Monthly, Jan 2003 – Jan 2013*





^{*}seasonally adjusted; Jan 2013 data is preliminary Note: Recession indicated by gray shaded column.

Sources: Bureau of Labor Statistics; National Bureau of Economic Research (recession dates); Insurance Information Institutes.

Mining (except Oil & Gas) Employment, Monthly, Jan 2003 – Jan 2013*





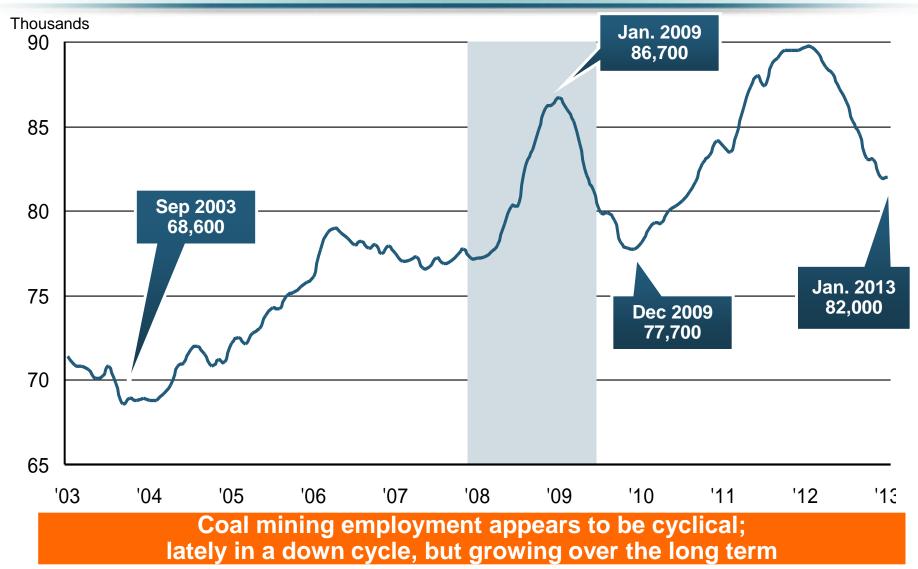
Half of the mining jobs lost in the recession were in coal mining

^{*}seasonally adjusted; Jan 2013 data is preliminary Note: Recession indicated by gray shaded column.

Sources: Bureau of Labor Statistics; National Bureau of Economic Research (recession dates); Insurance Information Institutes.

U.S. Coal Mining Employment, Monthly, Jan 2003 – Jan 2013*





*seasonally adjusted; Jan 2013 data is preliminary

Note: Recession indicated by gray shaded column.

Sources: Bureau of Labor Statistics; National Bureau of Economic Research (recession dates); Insurance Information Institutes.

U.S. Metal Ore Mining Employment, Monthly, Jan 2003 – Dec 2012*





*seasonally adjusted; Dec 2012 data is preliminary Note: Recession indicated by gray shaded column.

Sources: Bureau of Labor Statistics; National Bureau of Economic Research (recession dates); Insurance Information Institutes.



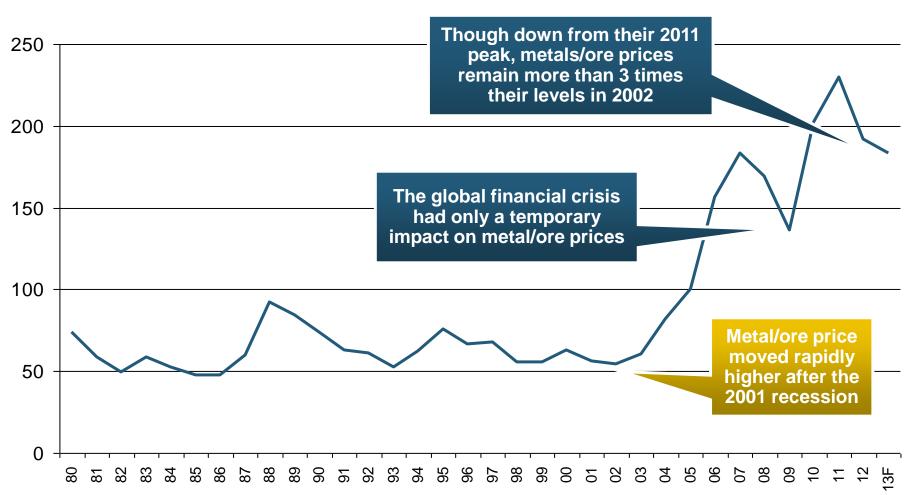
Price Drivers

Pricing Trends for Major Mined Resources

Commodity Metals Global Price Index, 1980—2013F* (2005 = 100)





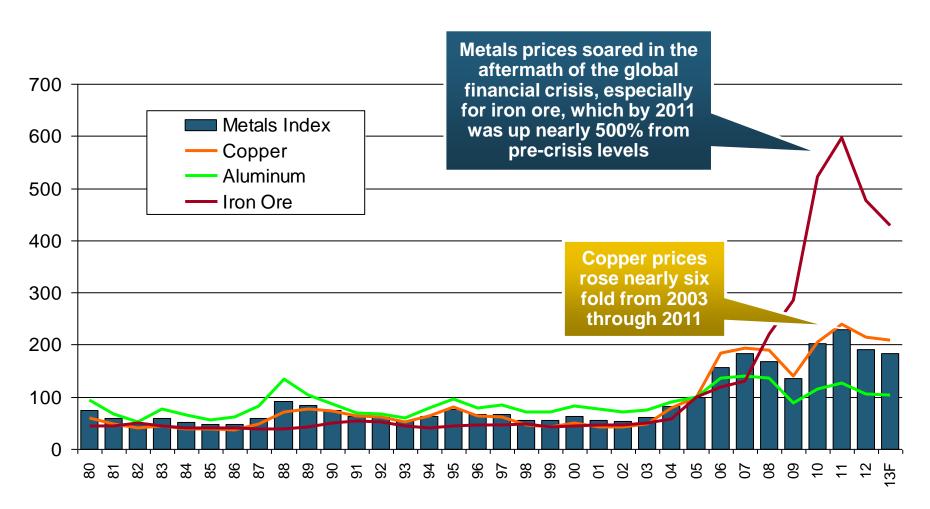


^{*} Includes: Copper, Aluminum, Iron Ore, Tin, Nickel, Zinc, Lead and Uranium. Sources: International Monetary Fund; Insurance Information Institute.

Global Price Index: Copper, Aluminum & Iron Ore vs. Full Metals Index,1980—2013F*



Index Value (2005 = 100)

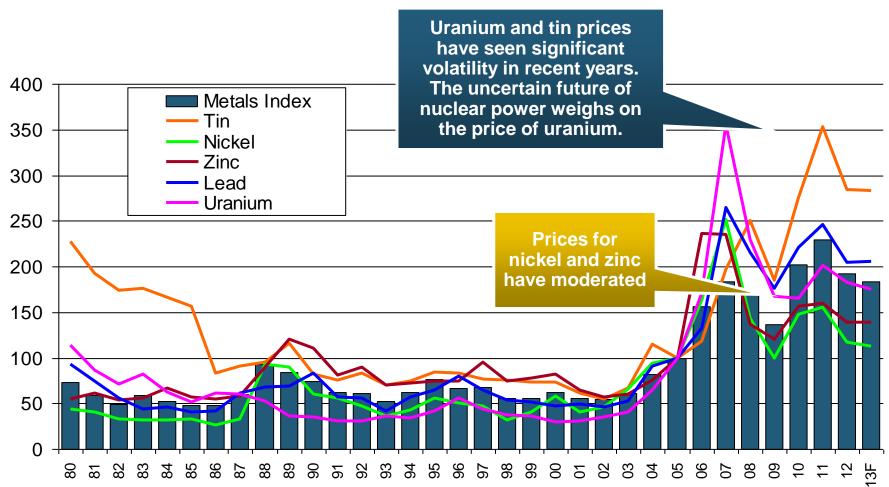


^{*} Full Metals Index Includes: Copper, Aluminum, Iron Ore, Tin, Nickel, Zinc, Lead and Uranium. Sources: International Monetary Fund; Insurance Information Institute.

Global Price Index: Tin, Nickel, Zinc, Lead & Uranium vs. Full Metals Index,1980—2013F*







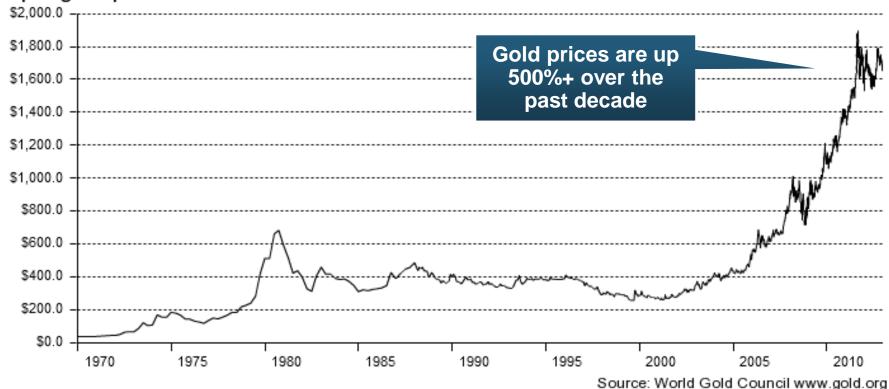
^{*} Full Metals Index Includes: Copper, Aluminum, Iron Ore, Tin, Nickel, Zinc, Lead and Uranium. Sources: International Monetary Fund; Insurance Information Institute.

Spot Price for Gold, Jan. 1970—Feb. 2013



Dollars per Troy Ounce





Currencies: USD

Weight: oz

Spot Price for Silver: Jan. 1994—Mar. 4, 2013



Dollars per Troy Ounce

20 Year Silver Price in USD/oz Last Close: 28.46



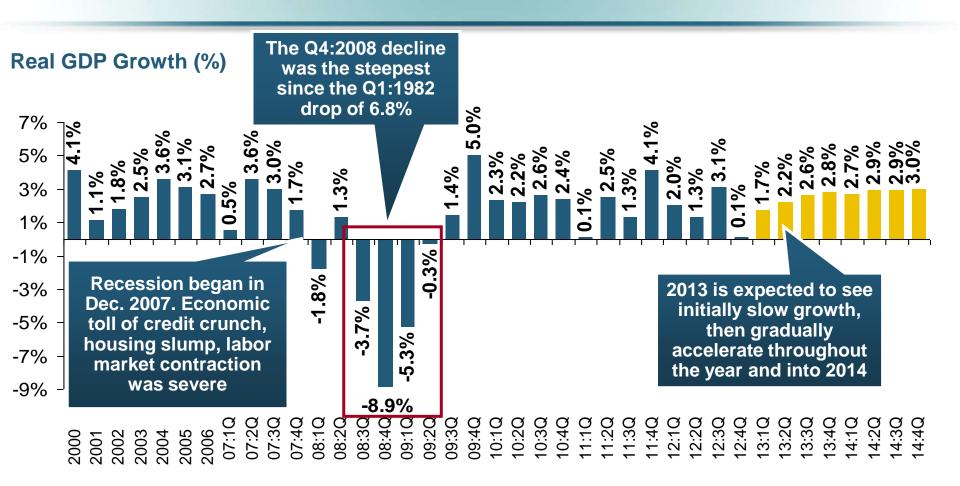


The Strength of the Global Economy Will Impact the Mining Industry and Demand for Insurance

Growth Will Expand Insurer Exposure Base Across Most Lines

US Real GDP Growth*



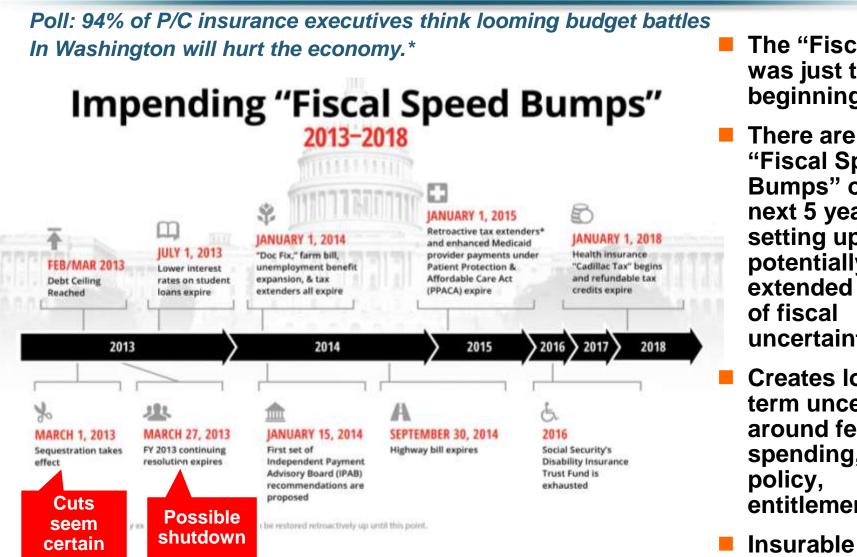


Demand for Insurance Continues To Be Impacted by Sluggish Economic Conditions, but the Benefits of Even Slow Growth Will Compound and Gradually Benefit the Economy Broadly

^{*} Estimates/Forecasts from Blue Chip Economic Indicators.

The Fiscal Cliff Was Just the Beginning: **Budget Battles for Years to Come?**

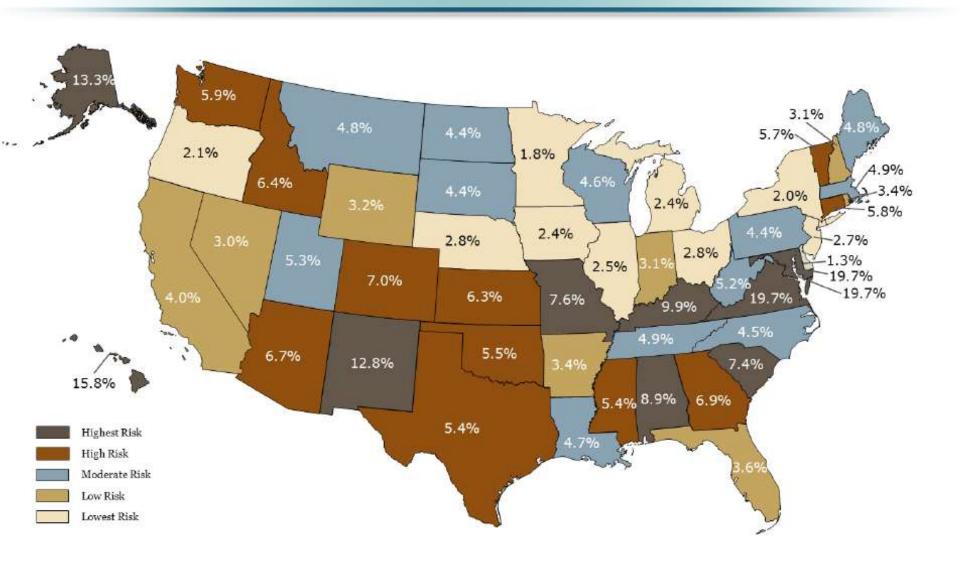




- The "Fiscal Cliff" was just the beginning
- There are 10+ "Fiscal Speed Bumps" over the next 5 years, setting up a potentially extended period uncertainty
 - **Creates long**term uncertainty around federal spending, tax entitlements
- exposures impacted

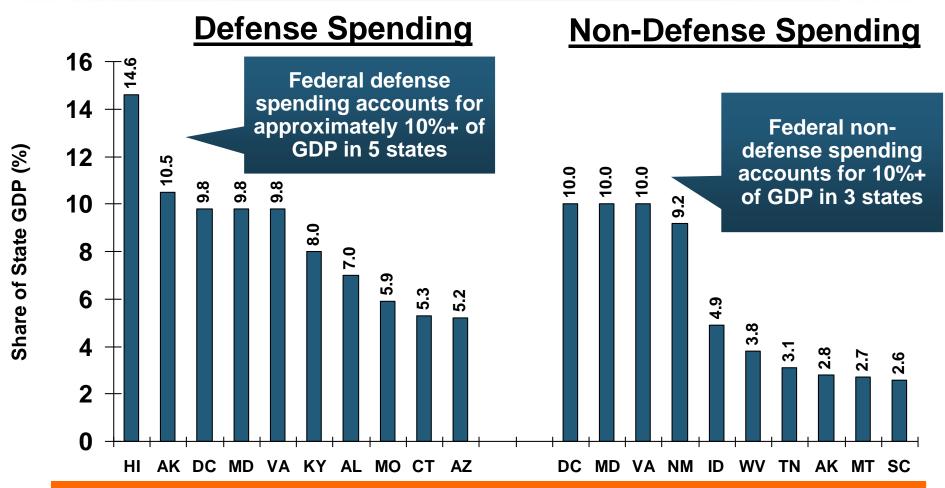
Federal Spending as a Share of State GDP: INSURANCE **Vulnerability to Sequestration Varies**





Defense and Non-Defense Federal Spending as a Share of State GDP: Top 10 States*



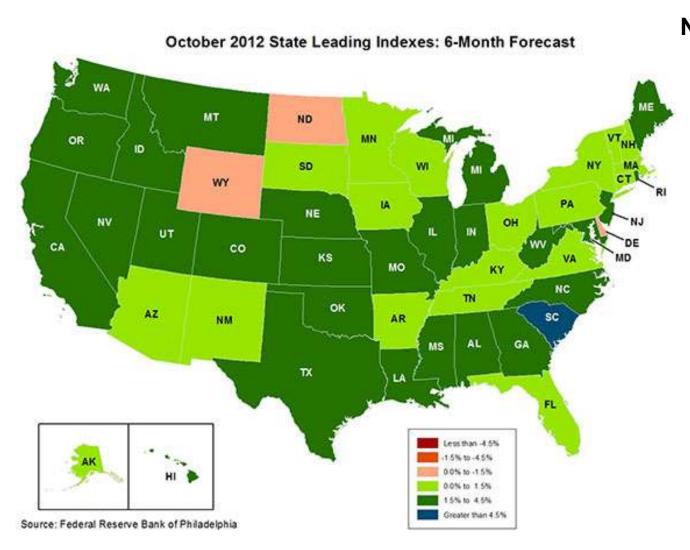


Sequestration Could Adversely Impact Commercial Insurance Exposures Directly at Defense Contractors and Indirectly in Impacted Communities

^{*}As of 2010.

State-by-State Leading Indicators through 2013:Q1





Near-term growth forecasts vary widely by state

5 Fastest Growing	<u>States</u>
South Carolina	6.97%
Michigan	4.32%
West Virginia	3.59%
Idaho	3.14%
Georgia	3.04%

5 Slowest Grow	ring States
Wyoming	-1.09%
Delaware	-0.24%
North Dakota	-0.19%
Vermont	0.09%
Minnesota	0.18%

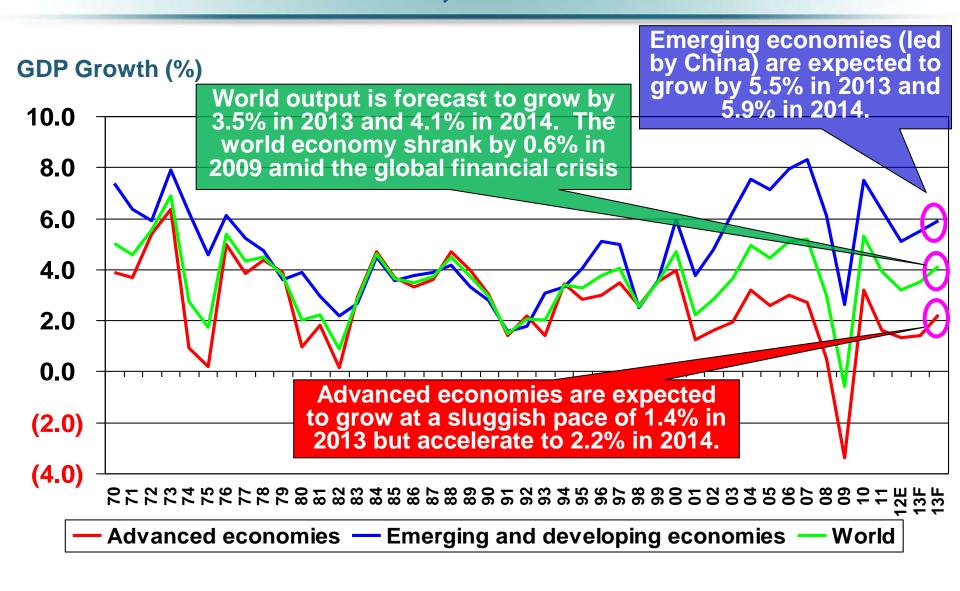


Global Demand Drivers for Extractive Mining Operations

Demand Can Be Volatile But in a Resource Hungry World the Overall Outlook is Good

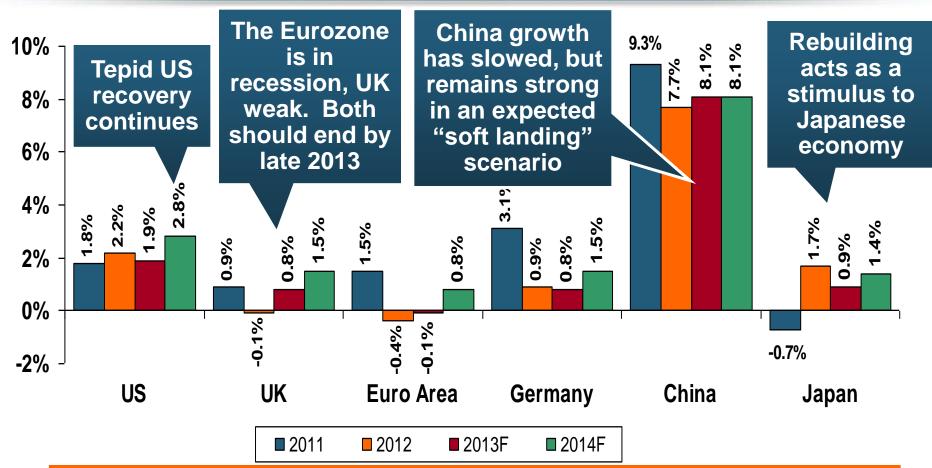
GDP Growth: Advanced & Emerging Economies vs. World, 1970-2014F





Real GDP Growth Forecasts: Major Economies: 2011 – 2014F

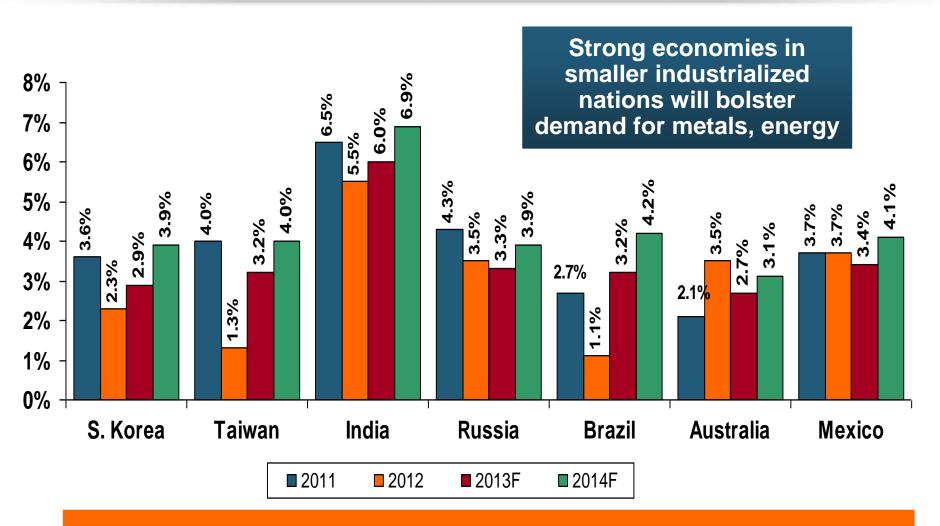




Growth Prospects Vary Widely by Region: Growth Returning in the US, Mild Recession in the Eurozone, A "Soft Landing" in China, Sluggish Growth in Japan and Modest Growth in America's Largest Trading Partners—Canada and Mexico.

Real GDP Growth Forecasts: Emerging Economies: 2011 – 2014F



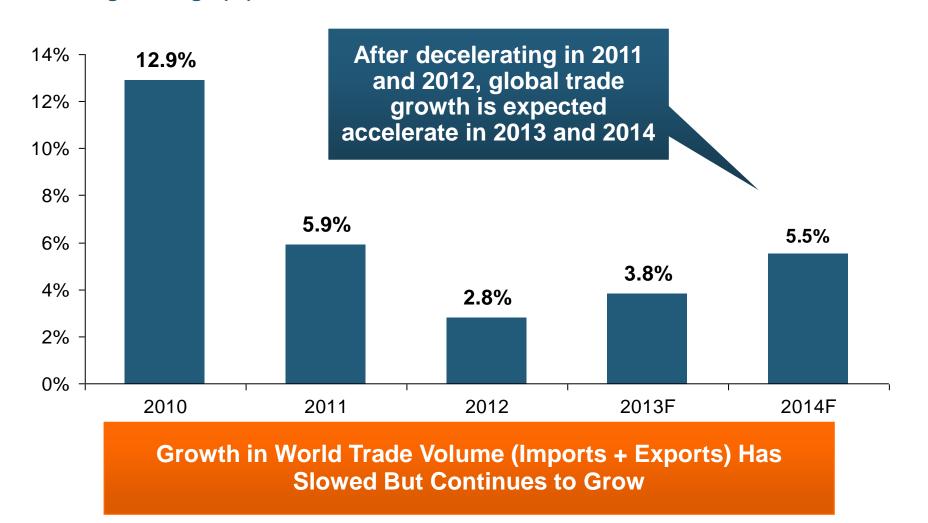


Growth Outside the US, Europe and Japans is Relatively Strong

World Trade Volume: 2010—2014F



Percentage Change (%)

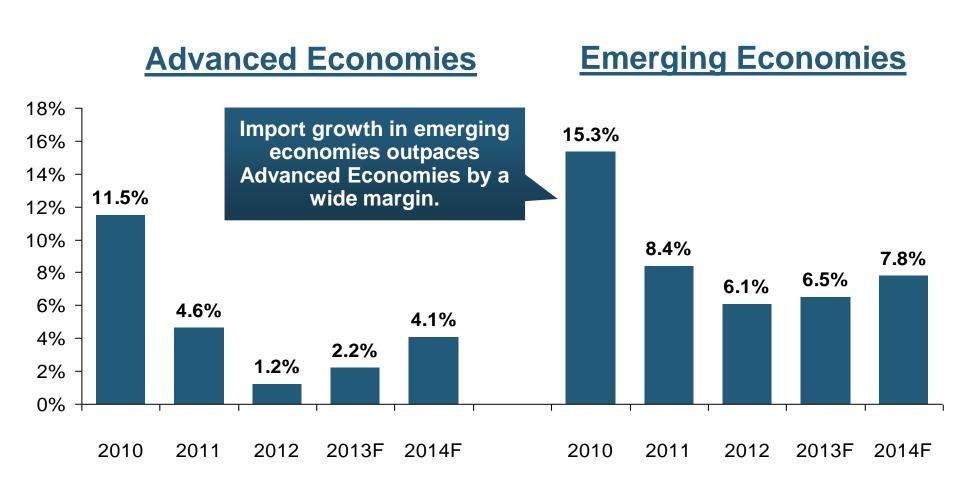


Sources: IMF World Economic Outlook Update (Jan. 2013); Insurance Information Institute.

World Trade Volume: IMPORTS 2010 – 2014F



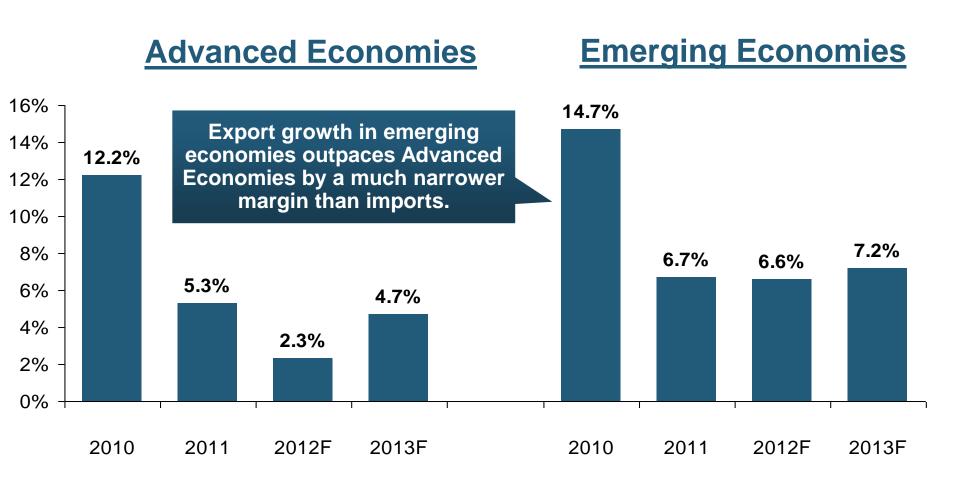
Growth (%)



World Trade Volume: EXPORTS 2010 – 2013F



Growth (%)



Other Supply & Demand Drivers for Minerals

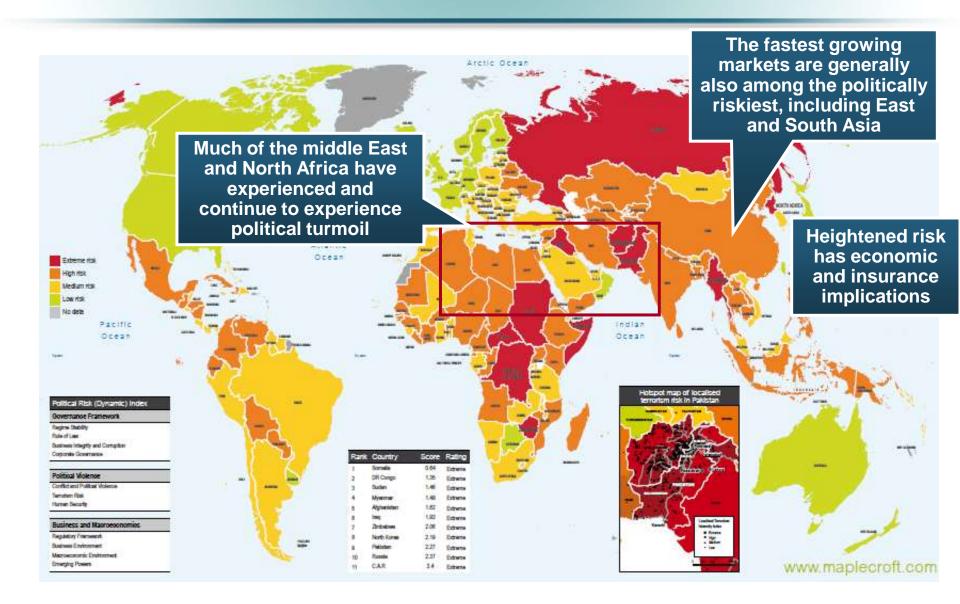


New Technologies

- Reduce the cost and increase the speed of processing
- "Rare" Earths
 - Chinese restricting supply; New sources will need to be found and developed
- Miniaturization of Electronic Devices
 - Increased demand for rare earths and other lowweight metals with special properties (conductivity, magnetism, strength, heat tolerance)
- Low Energy Costs
 - Should drive more operations to US and other areas with falling energy prices (shale gas) for manufacturing processes

Political Risk in 2011/12: Greatest Business Opportunities Are Often in Risky Nations

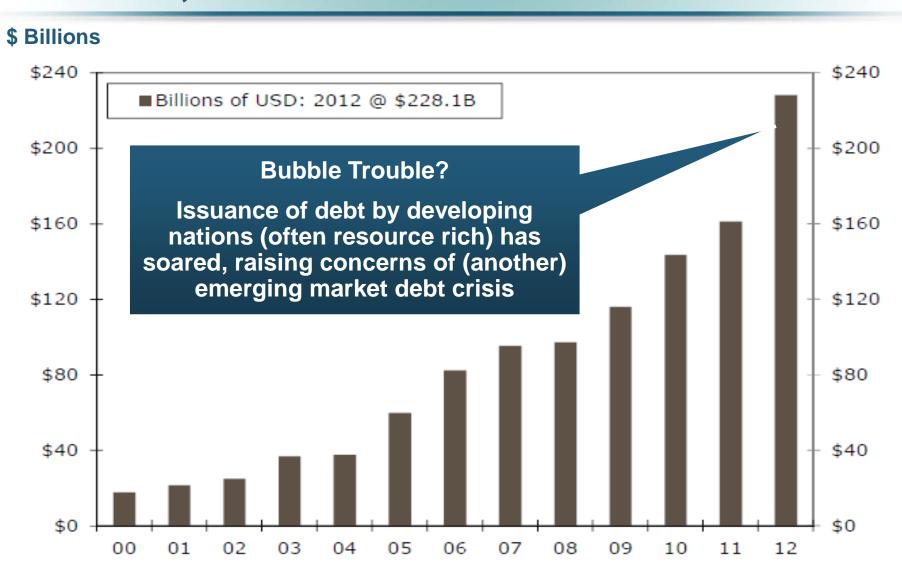




Source: Maplecroft

Sovereign Debt Issuance in Developing Countries, 2000-2012*





*Wells Fargo Securities estimate based on a sample of countries. Source: Wells Fargo Securities; Insurance Information Institute.



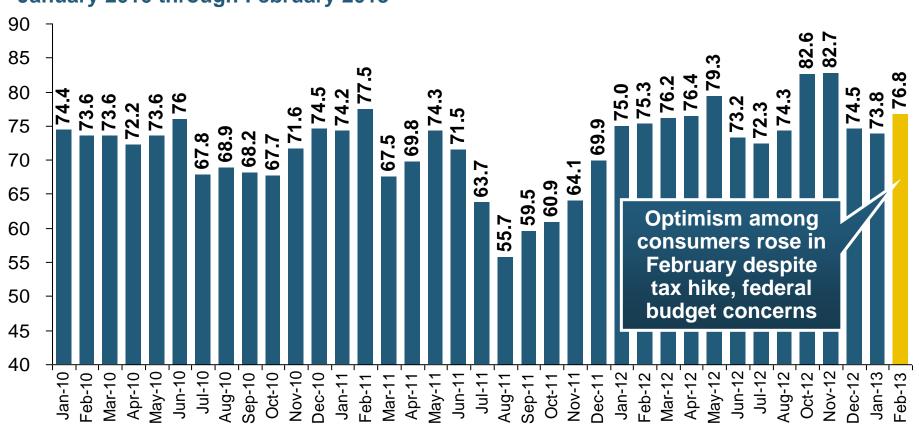
US Demand for Metals, Energy Is Growing

Construction, Manufacturing Increase Demand for Mined Resources and Insurance

Consumer Sentiment Survey (1966 = 100)



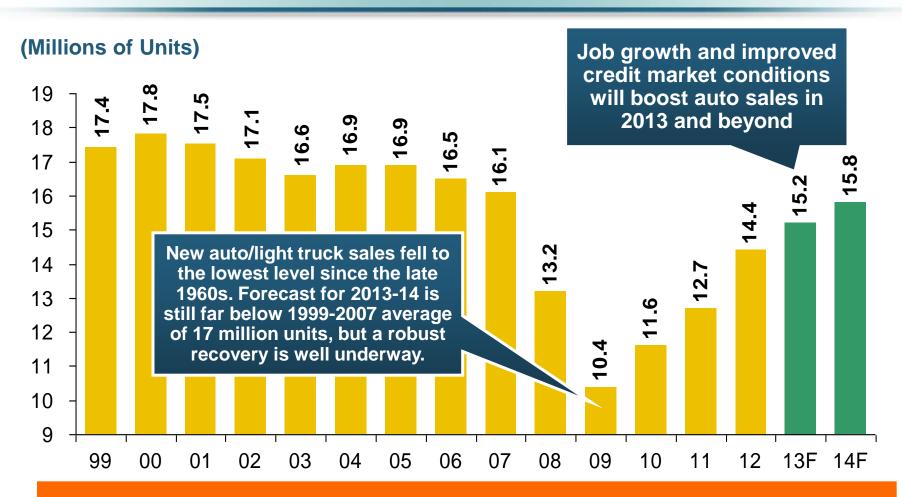




Consumer confidence has been low for years amid high unemployment, falling home prices and other factors adversely impact consumers, but improved substantially in late 2011 and in 2012

Auto/Light Truck Sales, 1999-2014F

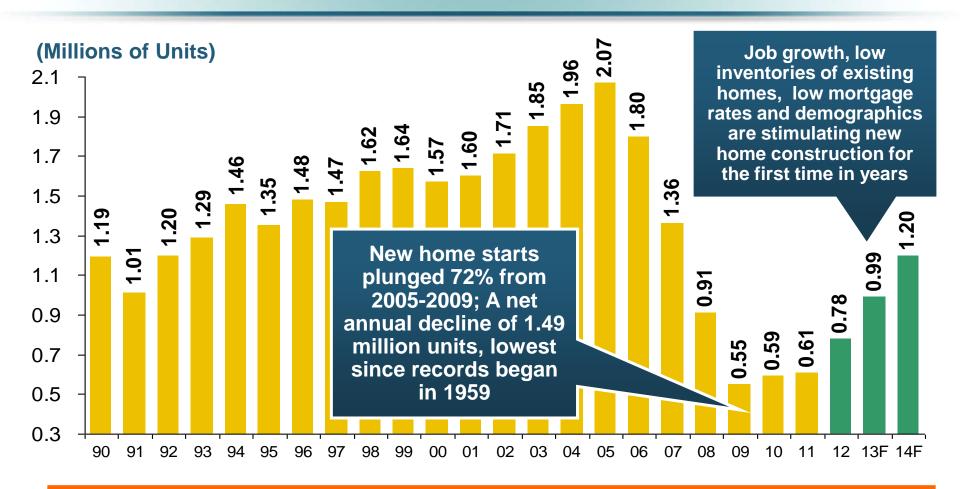




Car/Light Truck Sales Will Continue to Recover from the 2009 Low Point, Bolstering the Auto Insurer Growth and the Manufacturing Sector.

New Private Housing Starts, 1990-2014F

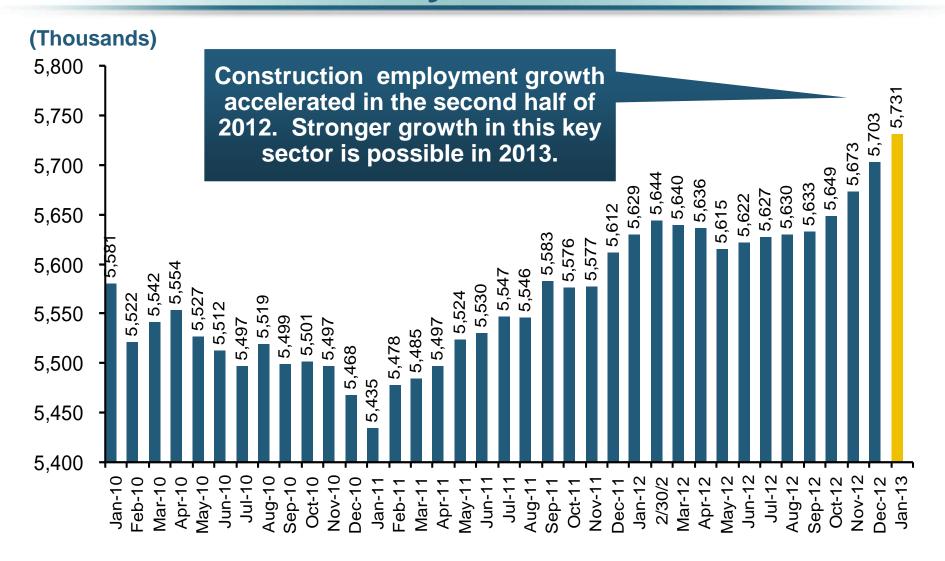




Homeowners Insurers Are Starting to See Meaningful Exposure Growth for the First Time Since 2005. Commercial Insurers with Construction Risk **Exposure, Surety Also Benefit**

Construction Employment, Jan. 2010—January 2013*





^{*}Seasonally adjusted

Construction Employment, Jan. 2003–Jan. 2013





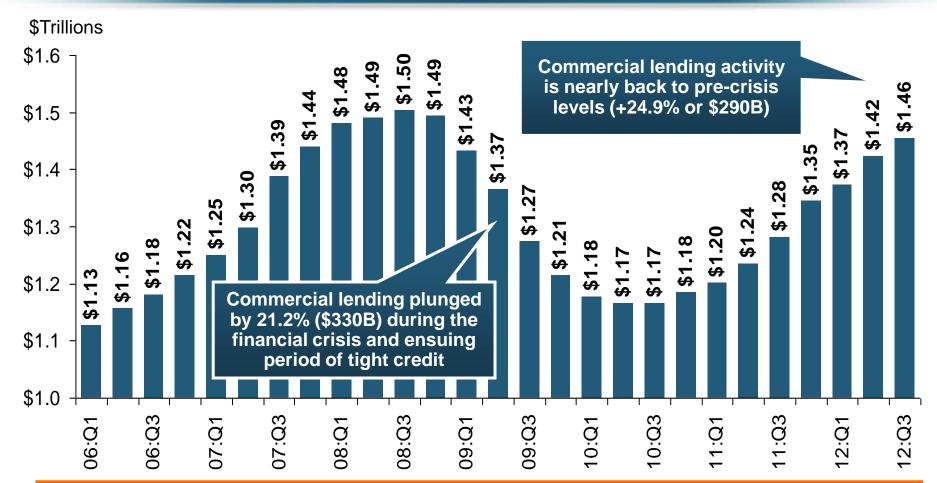
Market and Private Investment Recover. Commercial Insurers Will Benefit.

Note: Recession indicated by gray shaded column.

Sources: U.S. Bureau of Labor Statistics; Insurance Information Institute.

Commercial & Industrial Loans Outstanding at FDIC-Insured Banks, Quarterly, 2006-2012:Q3*





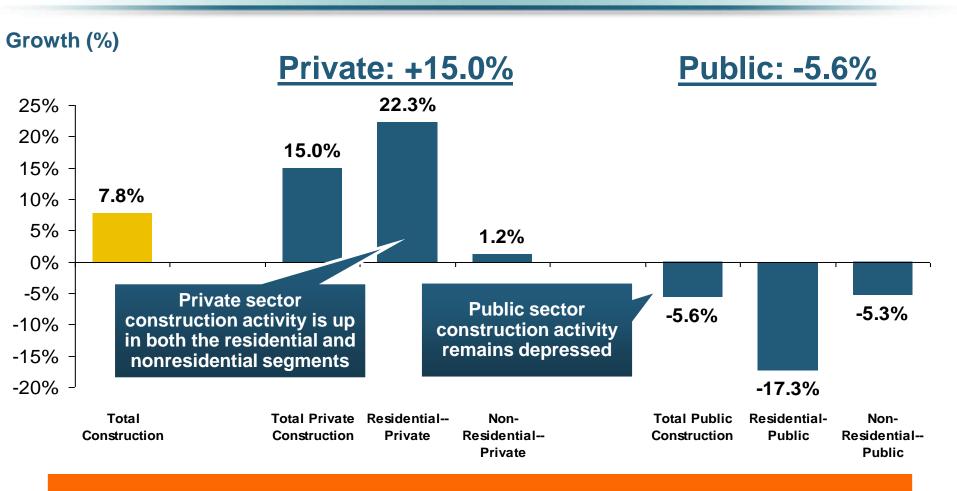
Outstanding Commercial Loan Volume Has Been Growing for Over Two Years and Is Now Nearly Back to Early Recession Levels. Bodes Very Well for the Creation of Current and Future Commercial Insurance Exposures

Source: FDIC at http://www2.fdic.gov/qbp/ (Loan Performance spreadsheet); Insurance Information Institute.

^{*}Latest data as of 2/24/2013.

Value of Construction Put in Place, December 2012 vs. December 2011*



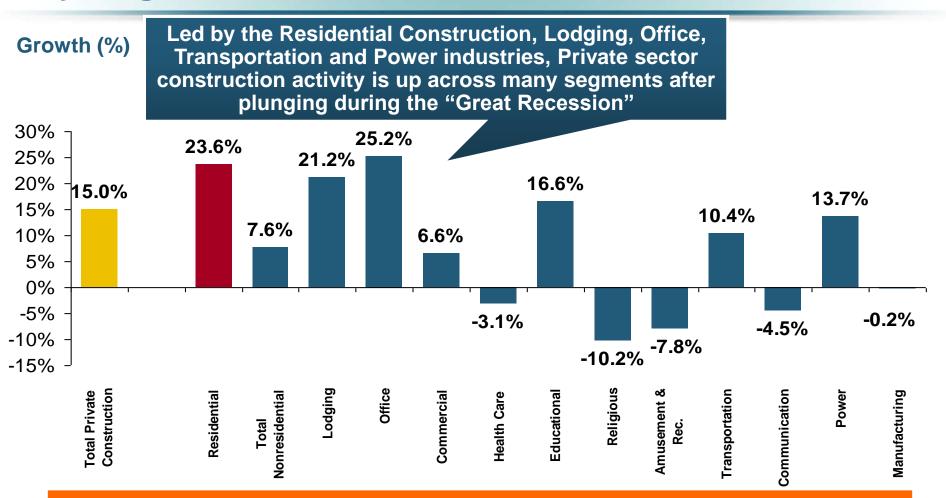


Overall Construction Activity is Up, But Growth Is Entirely in the Private Sector as State/Local Government Budget Woes Continue

^{*}seasonally adjusted Source: U.S. Census Bureau, http://www.census.gov/construction/c30/c30index.html; Insurance Information Institute.

Value of Private Construction Put in Place, by Segment, Dec. 2012 vs. Dec. 2011*



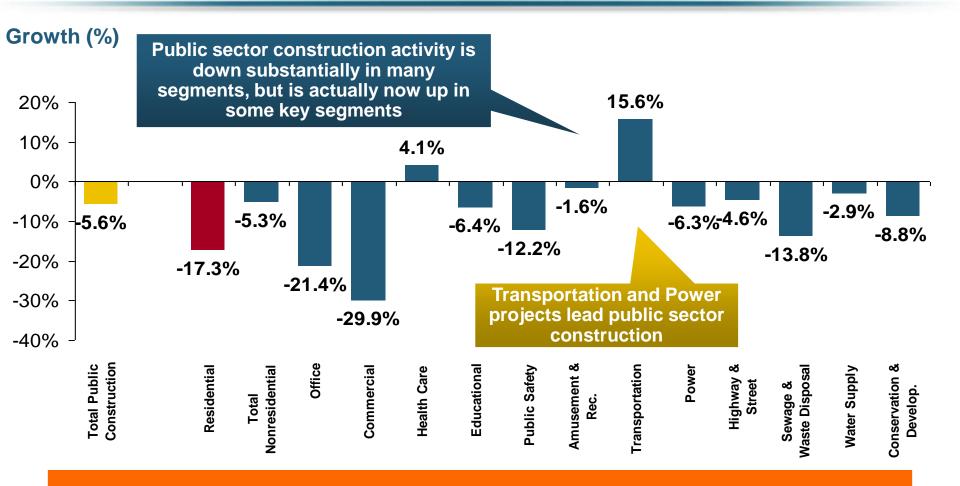


Private Construction Activity is Up in Most Segments, Including the Key Residential Construction Sector

^{*}seasonally adjusted

Value of Public Construction Put in Place, by Segment, Dec. 2012 vs. Dec. 2011*





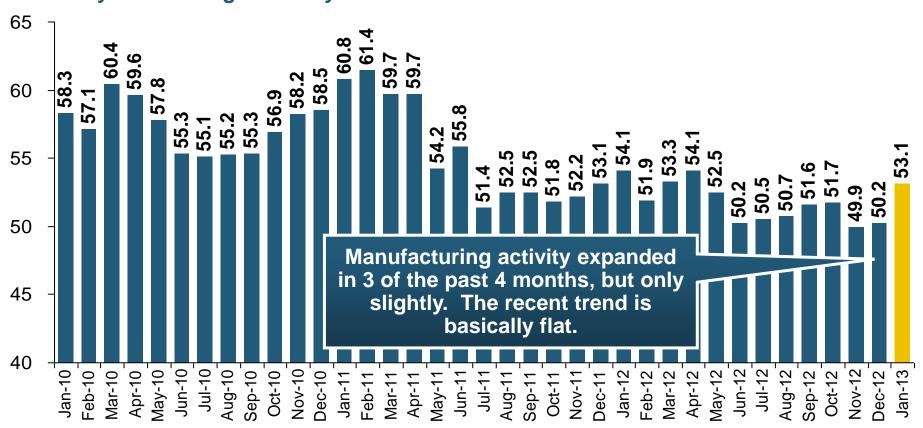
Public Construction Activity is Down in Many Segments as State and Local Budgets Remain Under Stress; Improvement Possible in 2013.

^{*}seasonally adjusted Source: U.S. Census Bureau, http://www.census.gov/construction/c30/c30index.html; Insurance Information Institute.

ISM Manufacturing Index (Values > 50 Indicate Expansion)



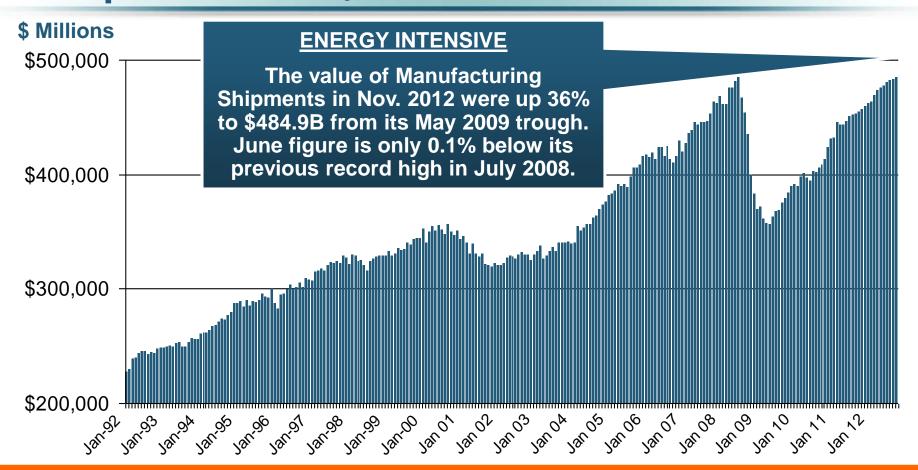
January 2010 through January 2013



The manufacturing sector expanded for 33 of the 37 months from Jan. 2010 through Jan. 2013. The question is whether this will continue.

Dollar Value* of Manufacturers' Shipments Monthly, Jan. 1992—Dec. 2012

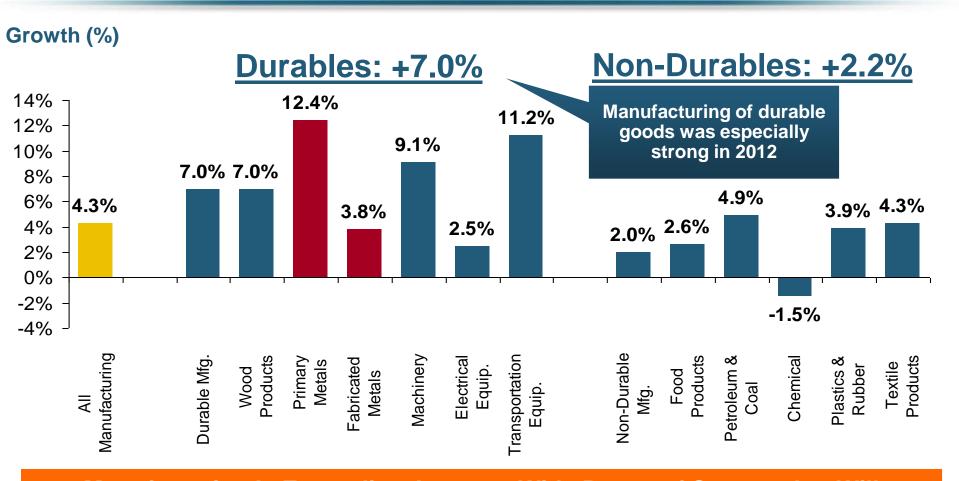




Monthly shipments are nearly back to peak (in July 2008, 8 months into the recession). Trough in May 2009. Growth from trough to Dec. 2012 was 36%. Manufacturing is an energy intensive activity and growth leads to gains in many commercial exposures: WC, Commercial Auto, Marine, Property and Various Liability Coverages

Manufacturing Growth for Selected Sectors, 2012 vs. 2011*



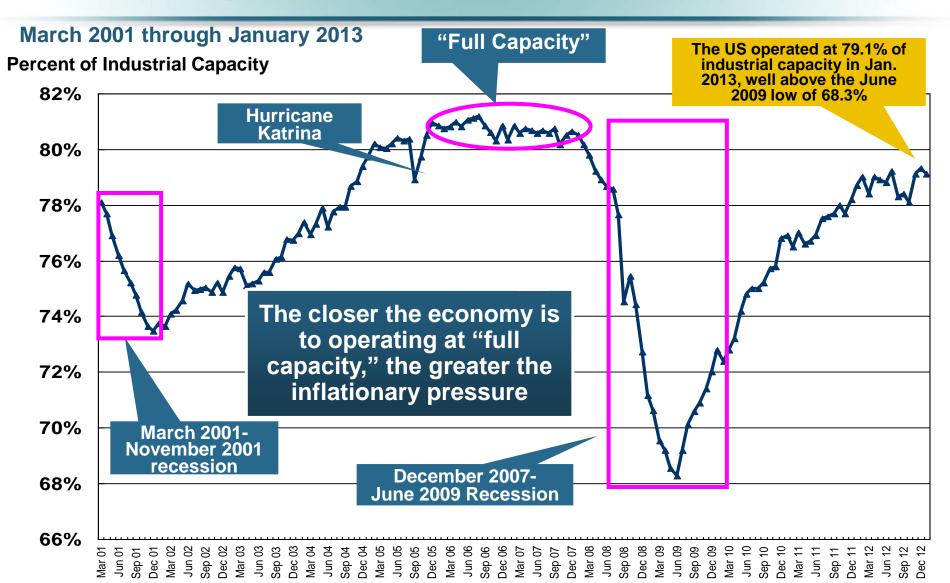


Manufacturing Is Expanding Across a Wide Range of Sectors that Will Contribute to Growth in Insurable Exposures Including: WC, Commercial **Property, Commercial Auto and Many Liability Coverages**

^{*}Seasonally adjusted; Date are YTD comparing data through December 2012 to the same period in 2011. Source: U.S. Census Bureau, Full Report on Manufacturers' Shipments, Inventories, and Orders, http://www.census.gov/manufacturing/m3/93

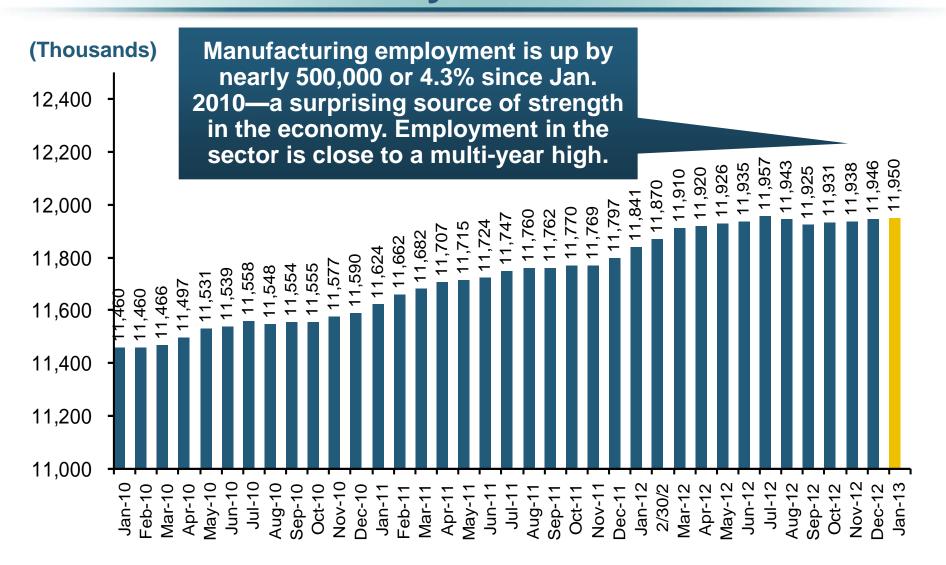
Recovery in Capacity Utilization is a Positive Sign for Commercial Exposures





Manufacturing Employment, Jan. 2010—January 2013*



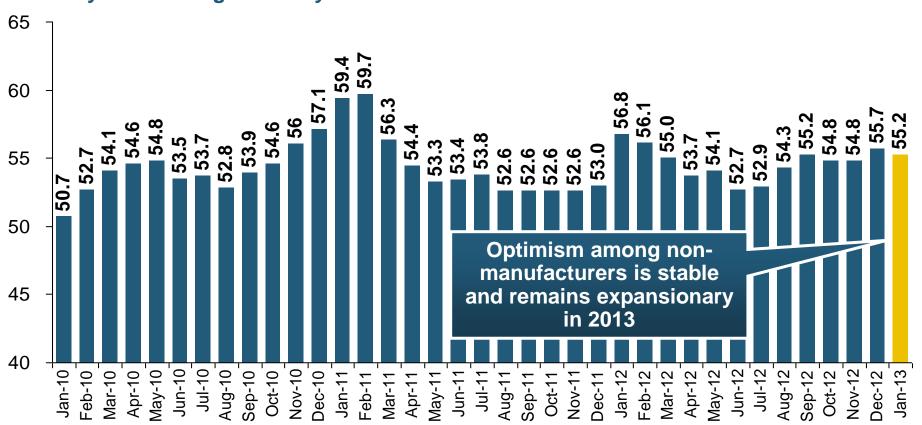


^{*}Seasonally adjusted

ISM Non-Manufacturing Index (Values > 50 Indicate Expansion)



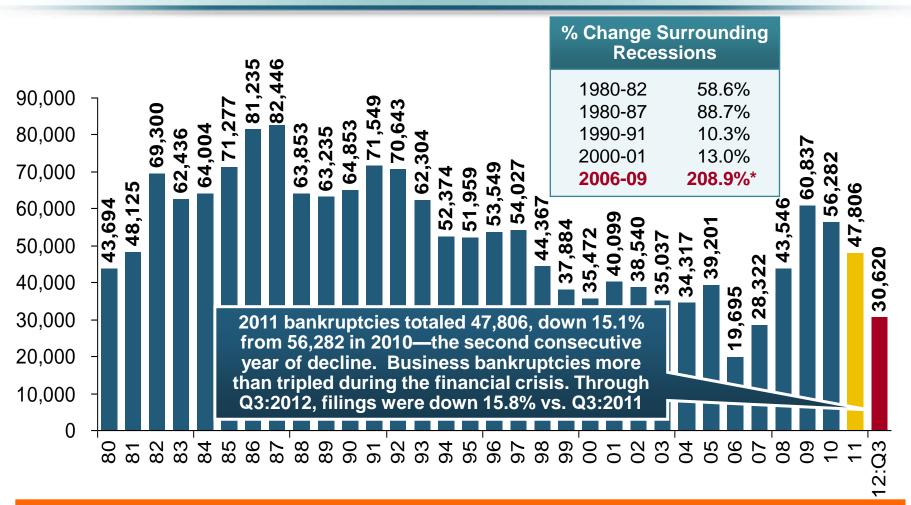
January 2010 through January 2013



Non-manufacturing industries have been expanding and adding jobs. The question is whether this will continue.

Business Bankruptcy Filings, 1980-2012:Q3



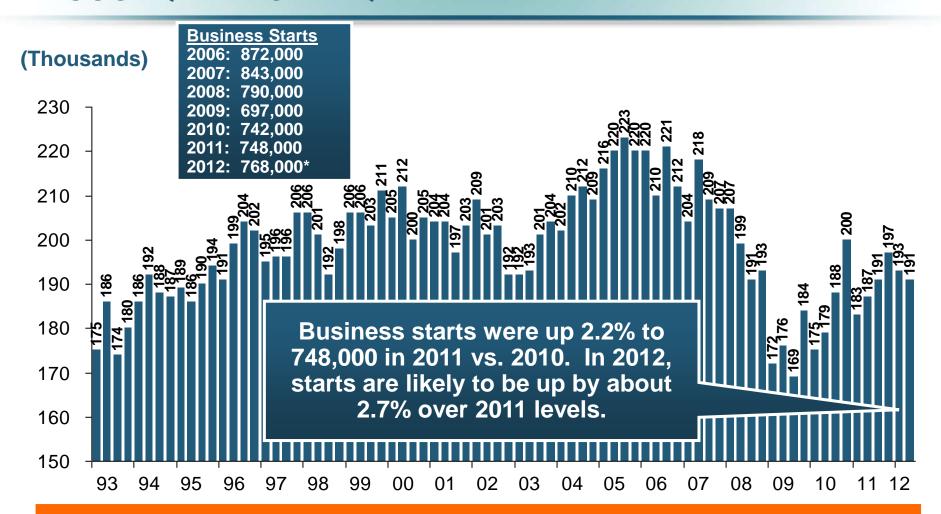


Significant Exposure Implications for All Commercial Lines as Business Bankruptcies Begin to Decline

Sources: American Bankruptcy Institute at http://www.abiworld.org/AM/AMTemplate.cfm?Section=Home&TEMPLATE=/CM/ContentDisplay.cfm&CONTENTID=61633; Insurance Information Institute

Private Sector Business Starts, 1993:Q2 – 2012:Q2*





Business Starts Were Down Nearly 20% in the Recession, Holding Back Most Types of Commercial Insurance Exposure, But Are Recovering Slowly

^{*} Annualized based on data through Jun. 30, 2012 (latest available as of Feb. 24, 2013); Seasonally adjusted. Source: Bureau of Labor Statistics, http://www.bls.gov/news.release/cewbd.t08.htm.

12 Industries for the Next 10 Years: Insurance Solutions Needed



Health Care

Health Sciences

Energy (Traditional)

Alternative Energy

Petrochemical

Agriculture

Natural Resources

Technology (incl. Biotechnology)

Light Manufacturing

Insourced Manufacturing

Export-Oriented Industries

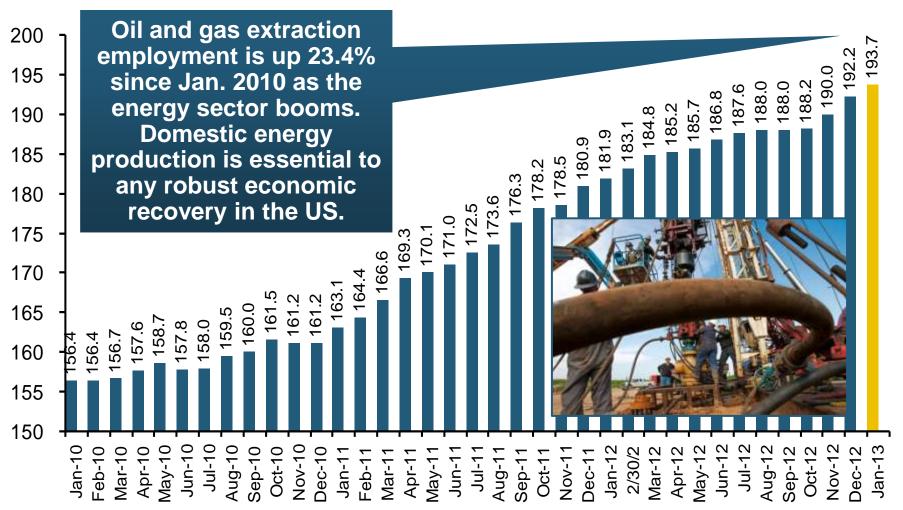
Shipping (Rail, Marine, Trucking)

Many
industries are
poised for
growth,
though
insurers'
ability to
capitalize on
these
industries
varies widely

Oil & Gas Extraction Employment, Jan. 2010—January 2013*



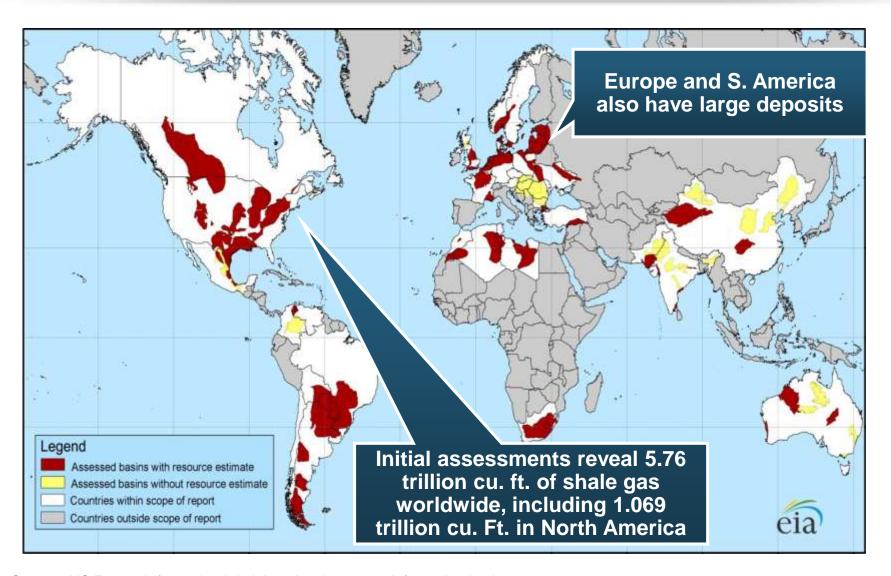
(Thousands)



^{*}Seasonally adjusted

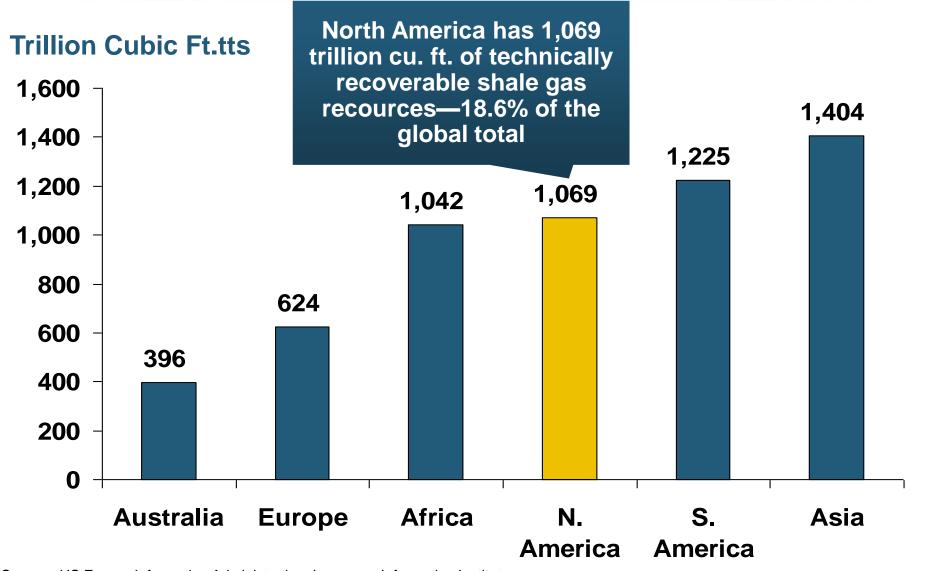
Distribution of Major Shale Deposits: 5.76 Tr. Cu. Ft. in 48 Shale Basins in 32 Countries





Technically Recoverable Shale Gas Deposits, by Region





Source: US Energy Information Administration; Insurance Information Institute.



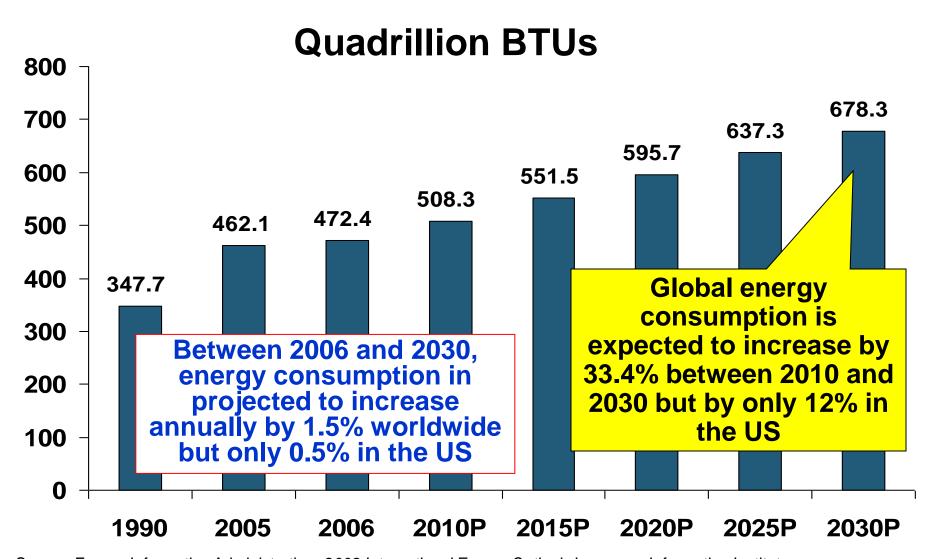
Much Uncertainty Exists in the World, But Energy Demand Grows Under All Scenarios

Energy is One of the Few Major Markets/Industries With Clear Growth Long-Term Trends

Coal Will Still Play a Big Role

World Primary Energy Consumption, 1990-2030P

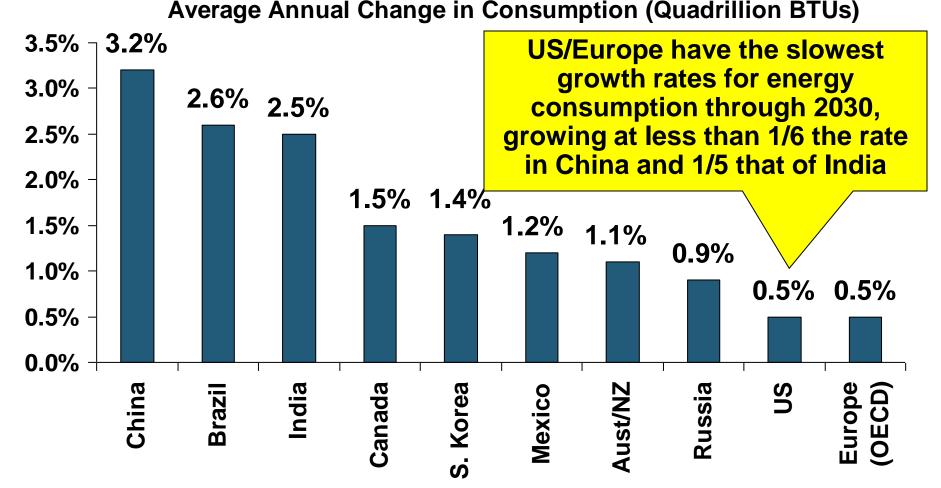




Source: Energy Information Administration, 2009 International Energy Outlook, Insurance Information Institute.

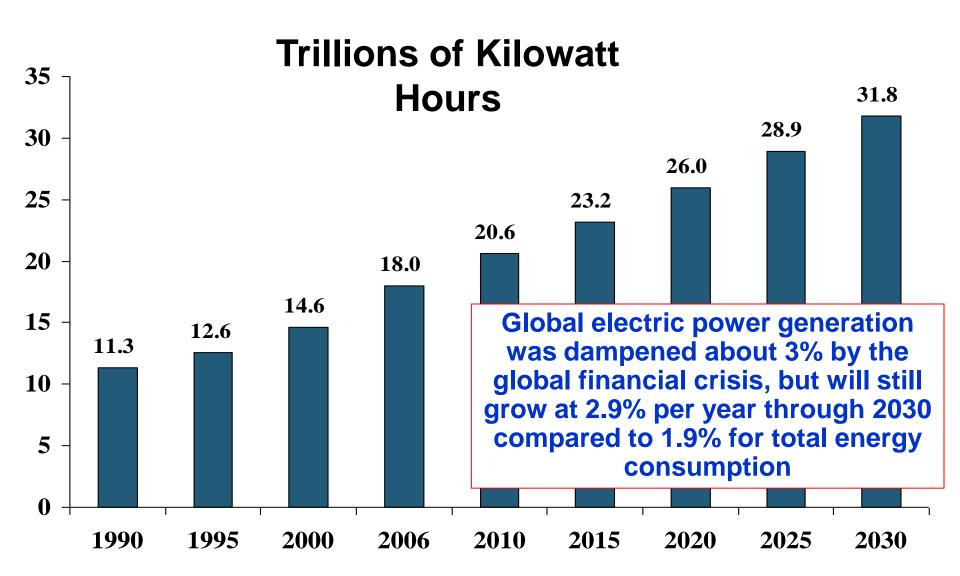
Avg. Annual Change in Total Energy Consumption by Country/Region:2006-2030P





World Net Effective Electric Power Generation, 1990-2030P

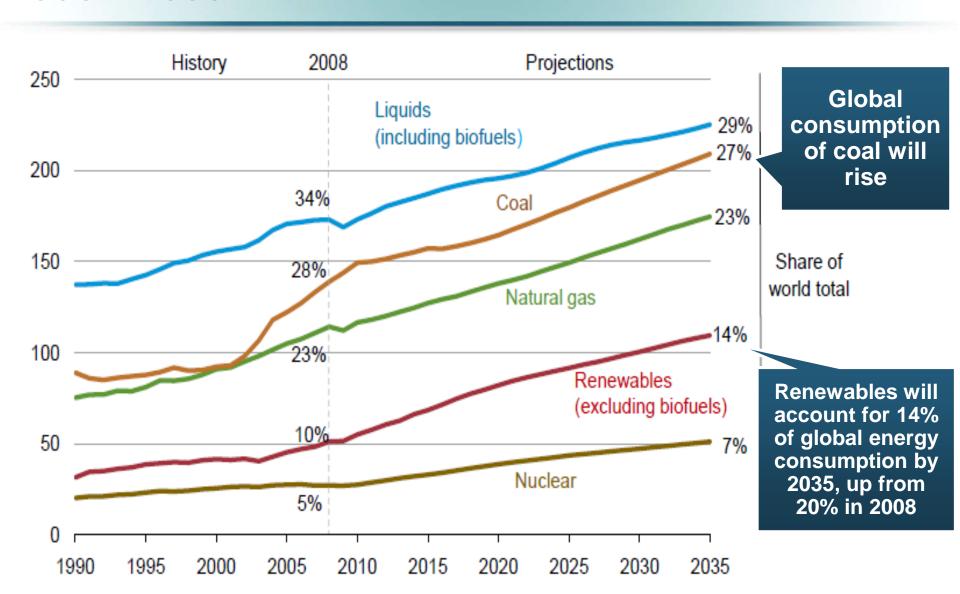




Source: Energy Information Administration, *International Energy Outlook*, Insurance Information Institute.

World Energy Consumption by Fuel, 1990—2035F

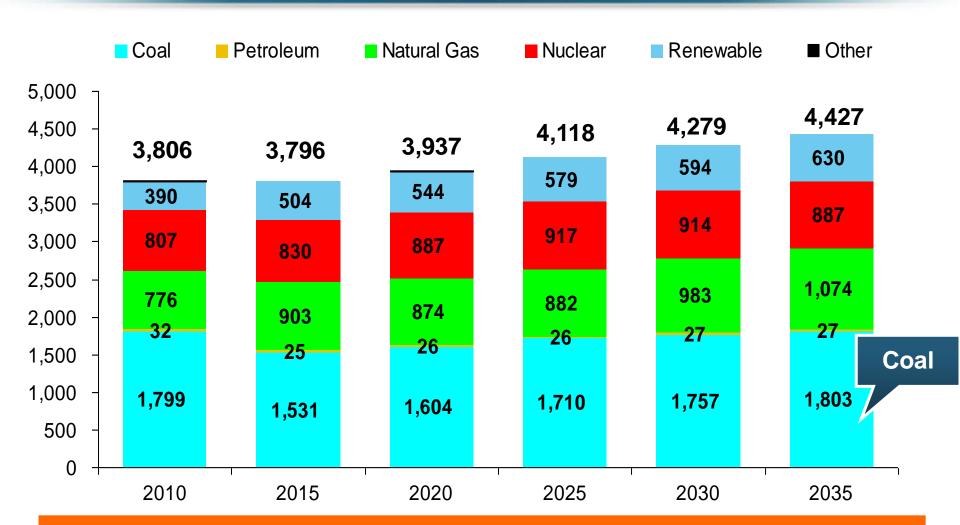




Source: US Energy Information Administration, *International Energy Outlook 2011;* Insurance Information Institute.

US Electric Power Generation by Fuel Source, 2010-2035F (Billions of Kilowatt Hours)

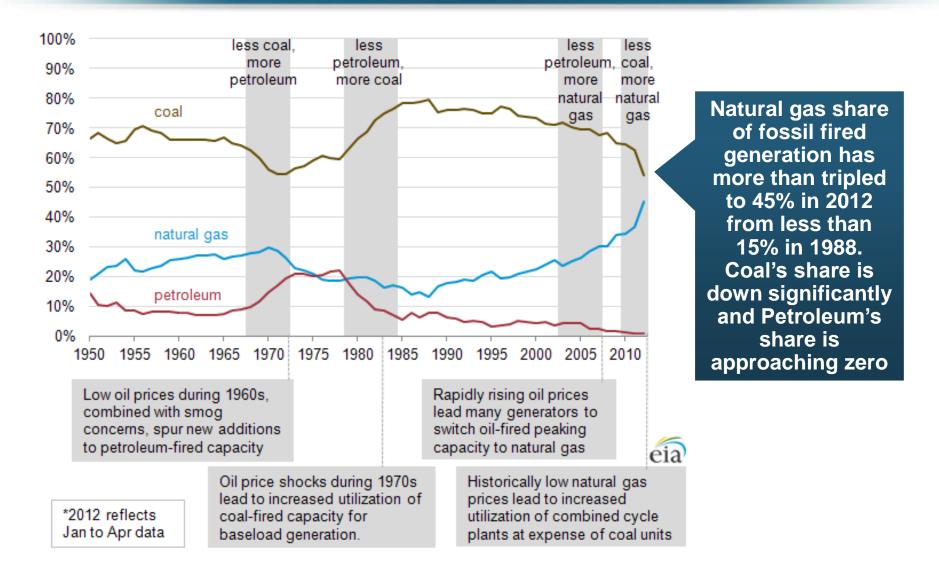




Demand for Electricity Is Expected to Grow at a 0.6% Annual Rate Through 2035. Renewables and Natural Gas Will Account for an Increasing Share of Fuel Source

U.S. Annual Share of Fossil Fired Electric Power Generation, 1950-2012*



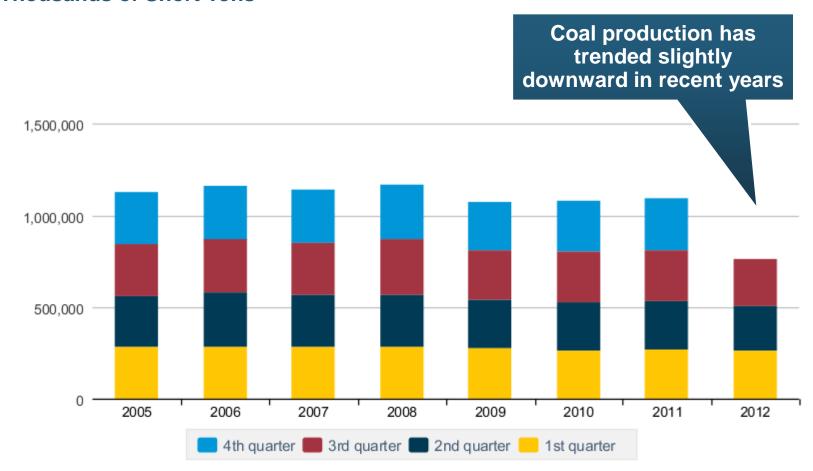


Source: US Energy Information Administration, http://www.eia.gov/todayinenergy/detail.cfm?id=7090#; Insurance Information Institute.

Quarterly Coal Production in the US, 2005:Q1—2012:Q3*



Thousands of Short Tons

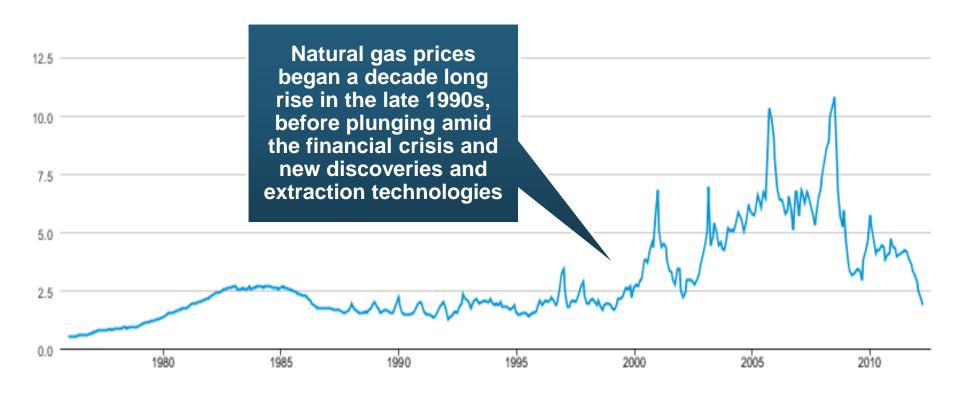


^{*}Latest available as of 3/4/12.

US Natural Gas Wellhead Price, Monthly, 1976-2012*



Dollars per 1,000 Cubic Ft.

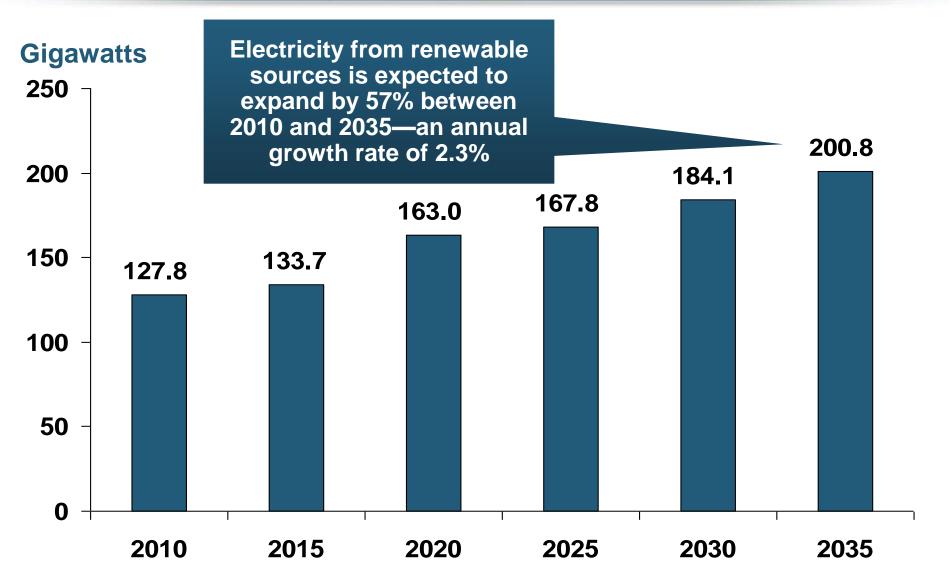


*Through April 2012

Source: US Energy Information Administration, http://www.eia.gov/todayinenergy/detail.cfm?id=7090#; Insurance Information Institute.

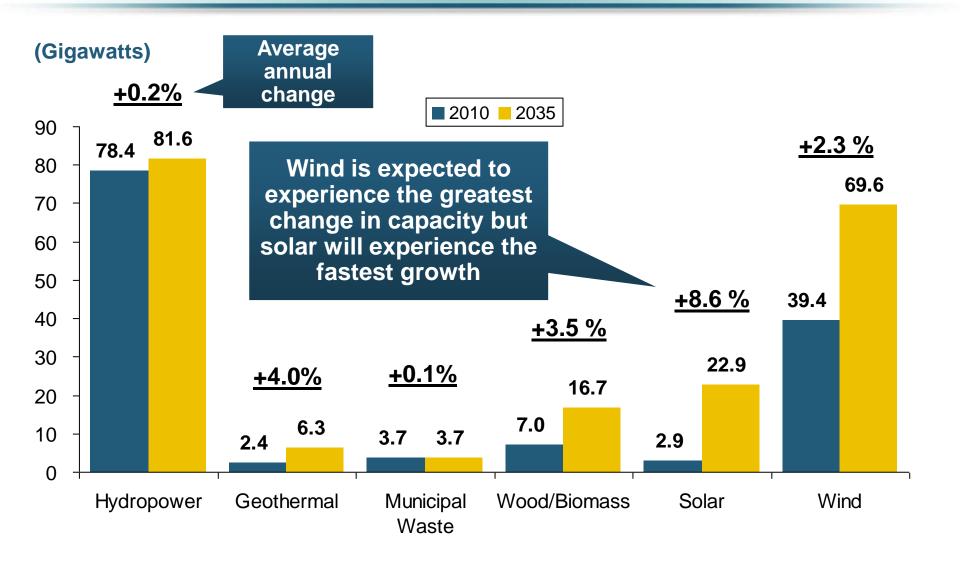
U.S. Renewable Energy Net Summer Capacity, 2010 – 2035P





Source: US Energy Information Administration, *Annual Energy Outlook 2012*, Appendix A16; Insurance Information Institute.

U.S. Renewable Energy Net Summer Capacity INSURANCE Avg. Ann. Change, by Source, 2010 – 2035P INSURANCE IN





Global Insured Catastrophe Loss Update

2012 Catastrophe Losses in the US
Were Close to "Average" Until Sandy Hit
Globally Losses Fell from 2011 Record
Levels, But Still High

2012 Catastrophe Summary

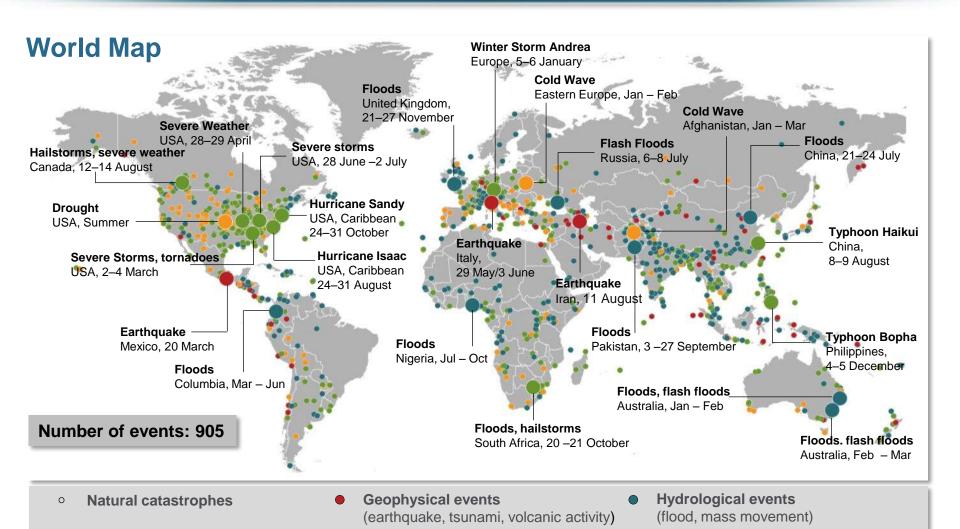


Catastrophe Communications: US & Global

- ►U.S. Focus: ~\$37-\$42B = 2nd Most Costliest Year Ever for Insured Catastrophe Loss (Behind 2005)
 - Economic Losses = \$101B
 - Crop = Additional ~\$16B (\$7B-\$8B privately insured)
 - NFIP Flood = Additional \$9B+
 - Flood losses/NFIP/FEMA has been the #1 communications "issue" in the wake of Sandy
- ➤ Global Focus: \$65B in Insured Losses → Well Below \$105B in 2011 but Above 10-Yr. Avg. of \$50B
 - Cats abroad did not drive media cycle in 2012, save ongoing Fukishima issues; Climate change
- ➤ Market Consequences: Primary & Reinsurance
 - Impacts on price, availability

Natural Loss Events: Full Year 2012





Meteorological events

(storm)

Climatological events

(extreme temperature, drought, wildfire)

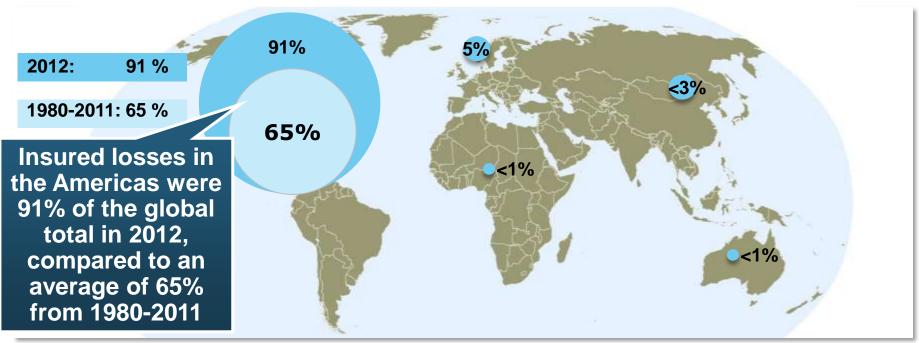
Selection of significant

Natural catastrophes

Natural Catastrophes Worldwide 2012



Insured Losses = \$65bn - % distribution per continent

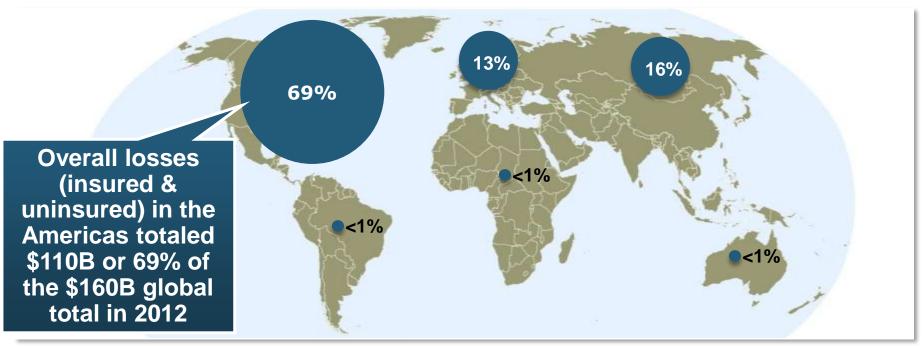


Continent	Insured losses US\$ m
America (North & South Am.)	60,000
Europe	3,200
Africa	200
Asia	1,700
Australia/Oceania	300

Natural Catastrophes Worldwide 2012



Overall Losses = \$160bn - % distribution per continent



Continent	Overall losses US\$ m
America (North & South)	110,000
Europe	21,000
Africa	1,000
Asia	26,000
Australia/Oceania	1,000

Natural Disaster Losses in the United States: 2012



As of January 1, 2013	Number of Events	Fatalities	Estimated Overall Losses (US \$m)	Estimated Insured Losses (US \$m)
Tropical Cyclone	4	143	52,240	26,360
Severe Thunderstorm	115	118	27,688	14,914
Drought	2	0	20,000	16,000 [†]
Wildfire	38	13	1,112	595
Winter Storm	2	7	81	38
Flood	19	3	13	0††
TOTALS	184	284	\$101,134	\$57,907

Significant Natural Catastrophes, 2012



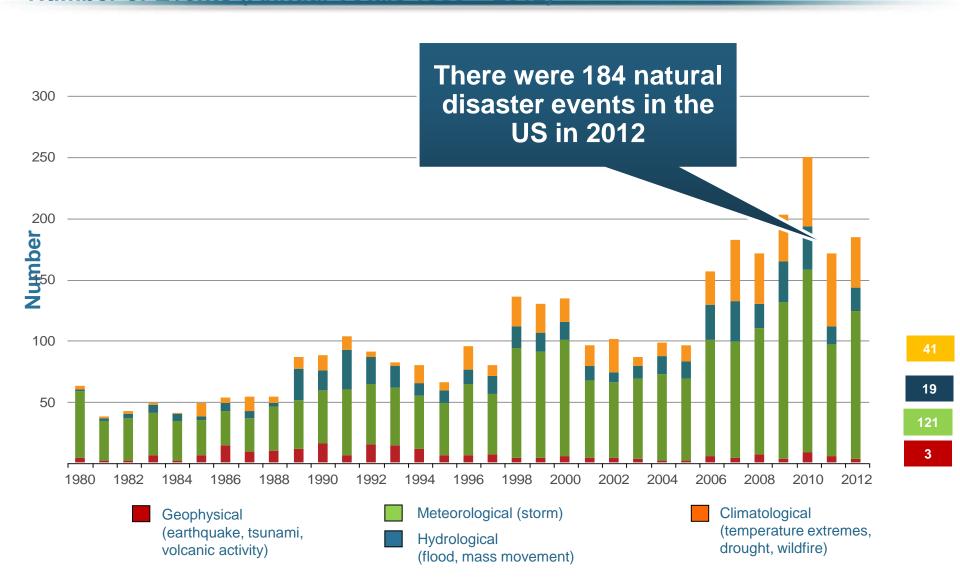
(Events with \$1 billion economic loss and/or 50 fatalities)

Date	Event	Estimated Economic Losses (US \$m)	Estimated Insured Losses (US \$m)
June – Sept 2012	Central US Drought	20,000	16,000 [†]
March 2 - 3	Thunderstorms	5,000	2,500
April 2 – 4	Thunderstorms	1,550	775
April 13- 15	Thunderstorms	1,800	910
April 28 – 29	Thunderstorms	4,500	2,500
May 25 – 30	Thunderstorms	3,400	1,700
June 6 – 7	Thunderstorms	1,400	1,000
June 11 – 13	Thunderstorms	1,900	950
June 28 – July 2	Thunderstorms	4,000	2,000
August 26 - 30	Hurricane Isaac	2,000	1,220
October 28 - 30	Hurricane Sandy	50,000	25,000 ^{††}

Natural Disasters in the United States, 1980 – 2012



Number of Events (Annual Totals 1980 – 2012)

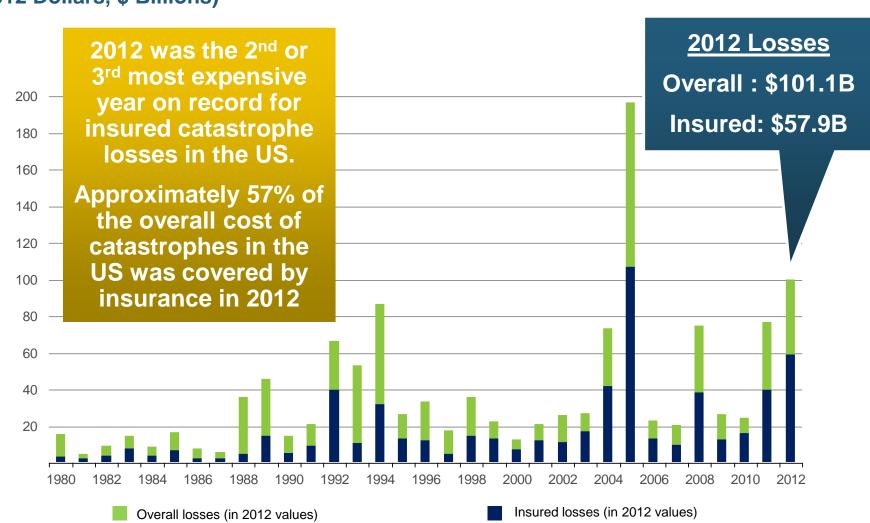


Losses Due to Natural Disasters in the US, 1980–2012 (Overall & Insured Losses)



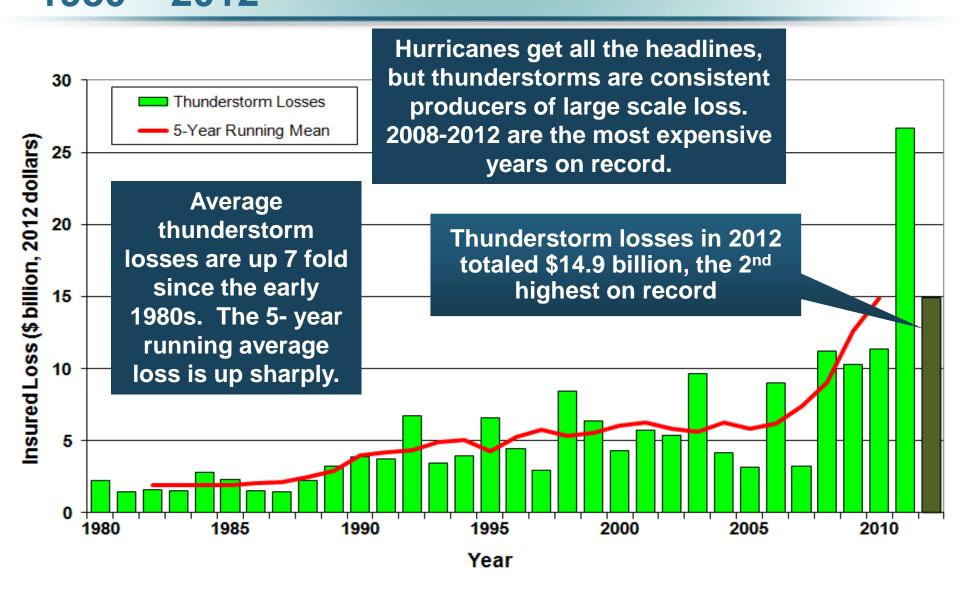
(Overall and Insured Losses)

(2012 Dollars, \$ Billions)



U.S. Thunderstorm Loss Trends, 1980 – 2012

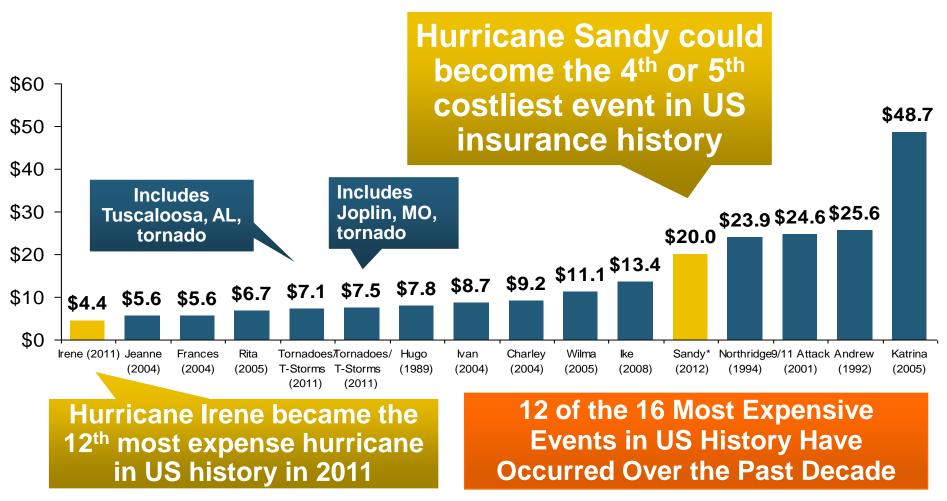




Top 16 Most Costly Disasters in U.S. History



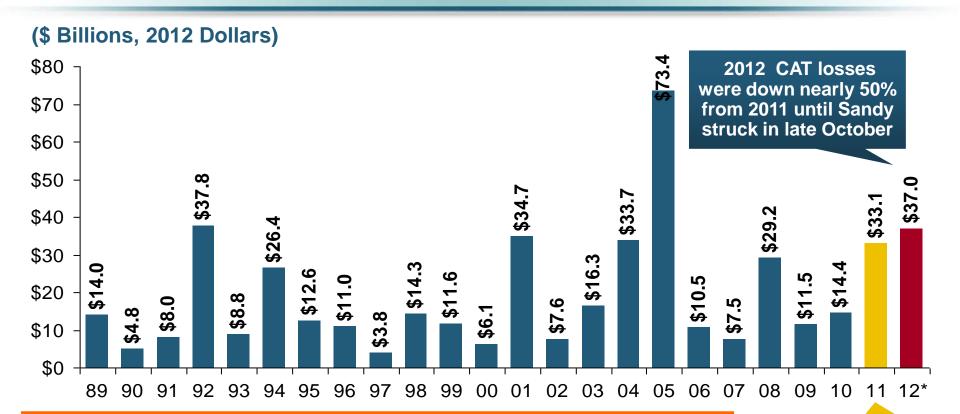
(Insured Losses, 2012 Dollars, \$ Billions)



^{*}Estimate as of 12/09/12 based on estimates of catastrophe modeling firms and reported losses as of 1/12/13. Estimates range up to \$25B. Sources: PCS; Insurance Information Institute inflation adjustments to 2012 dollars using the CPI.

US Insured Catastrophe Losses





US CAT Losses in 2012 Will Likely Become the 2nd or 3rd Highest in US History on An Inflation-Adjusted Basis (Pvt Insured). 2011 Losses Were the 5th Highest

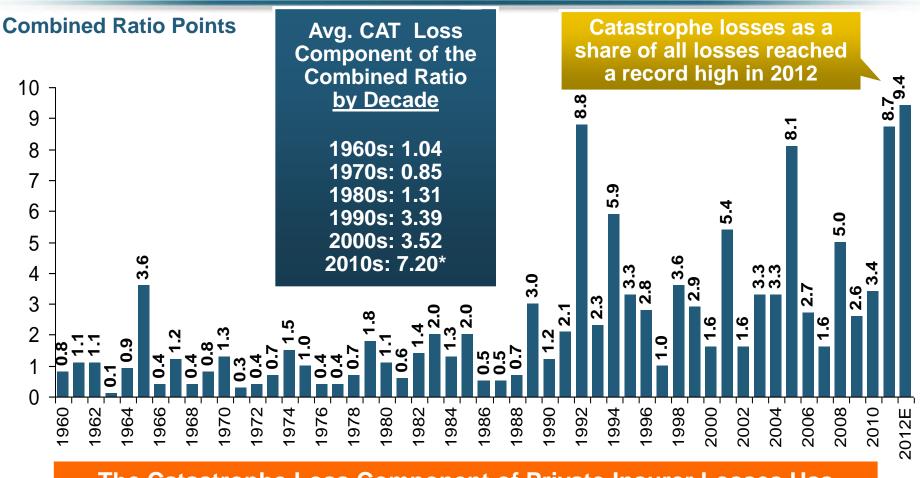
Record Tornado Losses Caused 2011 CAT Losses to Surge

Note: 2001 figure includes \$20.3B for 9/11 losses reported through 12/31/01 (\$25.9B 2011 dollars). Includes only business and personal property claims, business interruption and auto claims. Non-prop/BI losses = \$12.2B (\$15.6B in 2011 dollars.) Sources: Property Claims Service/ISO: Insurance Information Institute.

^{*}As of 1/2/13. Includes \$20B gross loss estimate for Hurricane Sandy.

Combined Ratio Points Associated with Catastrophe Losses: 1960 – 2012*





The Catastrophe Loss Component of Private Insurer Losses Has Increased Sharply in Recent Decades

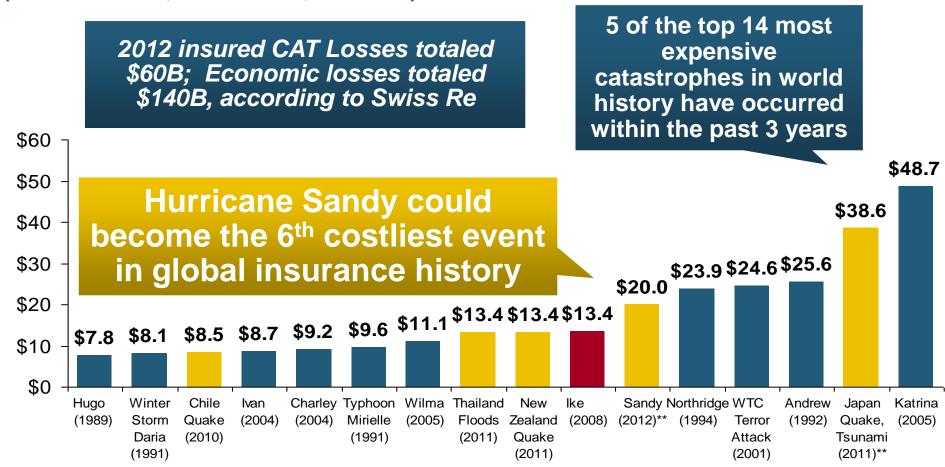
Notes: Private carrier losses only. Excludes loss adjustment expenses and reinsurance reinstatement premiums. Figures are adjusted for losses ultimately paid by foreign insurers and reinsurers.

Source: ISO (1960-2011); A.M. Best (2012E) Insurance Information Institute.

Top 16 Most Costly World Insurance Losses, 1970-2012*



(Insured Losses, 2012 Dollars, \$ Billions)



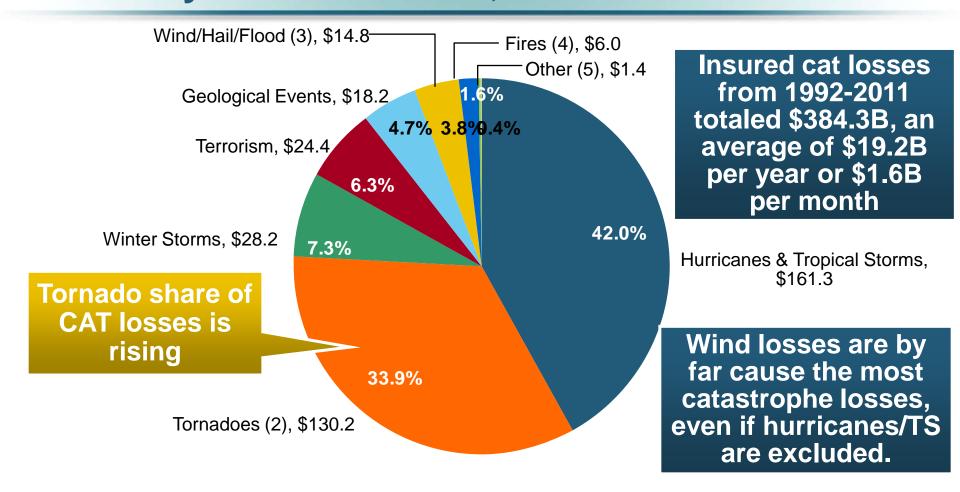
^{*}Figures do not include federally insured flood losses.

Sources: Swiss Re sigma 1/2011; Munich Re; Insurance Information Institute research.

^{**}Estimate based on PCS value of \$18.75B as of 1/18/13 and assumption of upward development based on catastrophe modeler estimates ranging as high as \$25B.

Inflation Adjusted U.S. Catastrophe Losses by Cause of Loss, 1990–2011





- 1. Catastrophes are defined as events causing direct insured losses to property of \$25 million or more in 2009 dollars.
- Excludes snow.
- 3. Does not include NFIP flood losses
- Includes wildland fires
- 5. Includes civil disorders, water damage, utility disruptions and non-property losses such as those covered by workers compensation.

Source: ISO's Property Claim Services Unit.

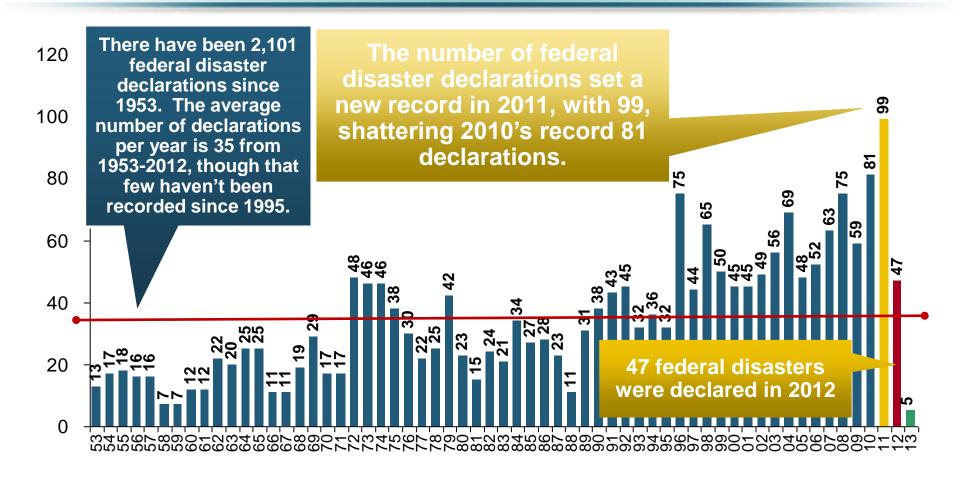


Federal Disaster Declarations Patterns: 1953-2012

Despite 11 Sandy Declarations, Fewer Disasters Were Declared in 2012 than the Record Number of Declarations in 2010 and 2011

Number of Federal Disaster Declarations, 1953-2013*



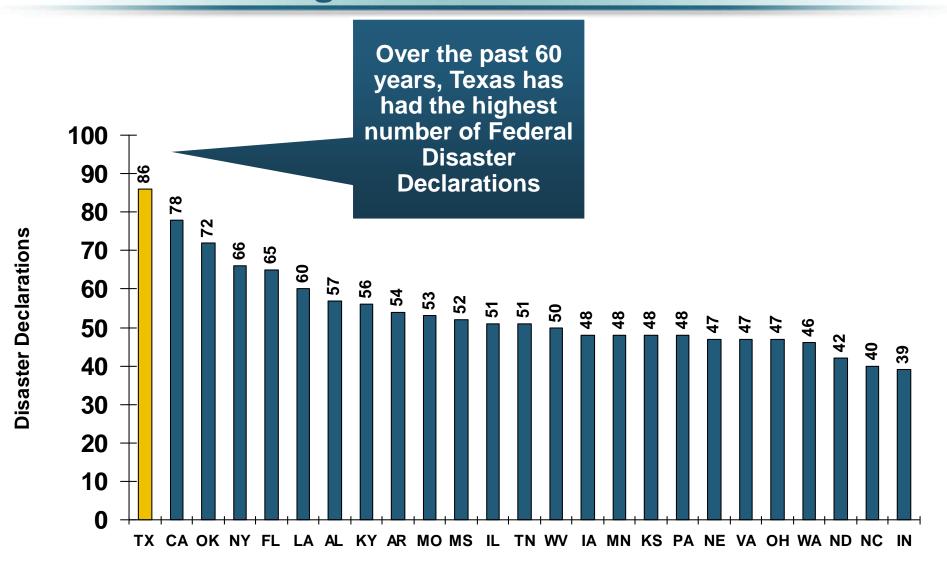


The Number of Federal Disaster Declarations Is Rising and Set New Records in 2010 *and* 2011. Hurricane Sandy Produced 13 Declarations in 2012/13.

^{*}Through Feb. 24, 2013.

Federal Disasters Declarations by State, 1953 – 2013: Highest 25 States*



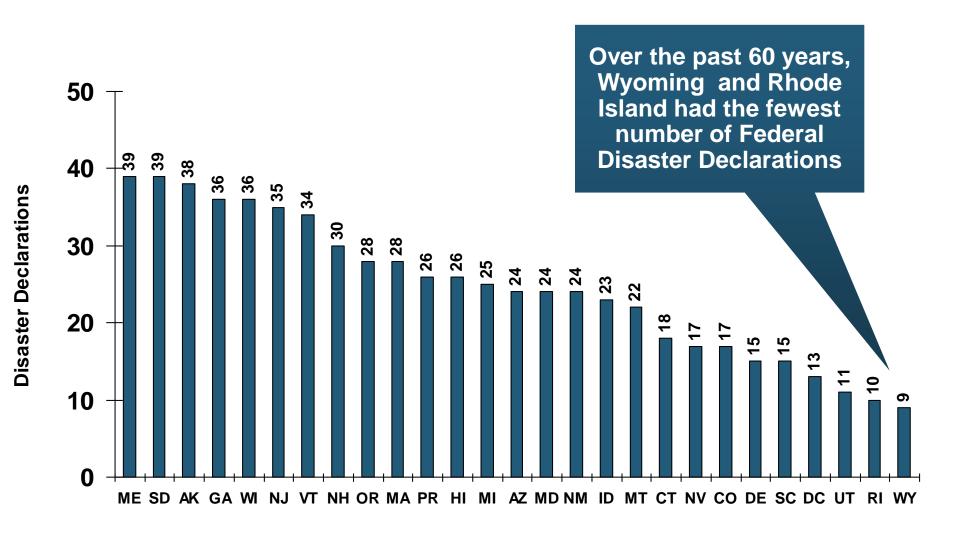


^{*}Through Feb. 24, 2012. Includes Puerto Rico and the District of Columbia.

Source: FEMA: http://www.fema.gov/news/disaster totals annual.fema; Insurance Information Institute.

Federal Disasters Declarations by State, 1953 – 2013: Lowest 25 States*



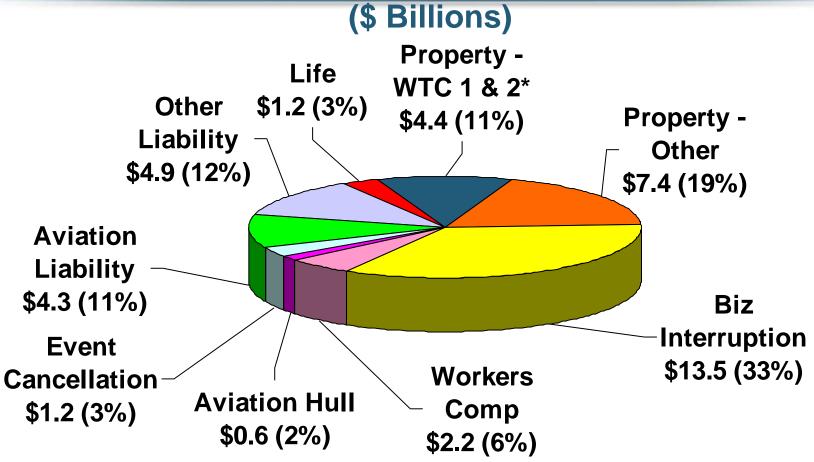


^{*}Through Feb. 24, 2013. Includes Puerto Rico and the District of Columbia.

Source: FEMA: http://www.fema.gov/news/disaster totals annual.fema; Insurance Information Institute.

Loss Distribution by Type of Insurance from Sept. 11 Terrorist Attack (\$ 2011)





Total Insured Losses Estimate: \$40.0B**

*Loss total does not include March 2010 New York City settlement of up to \$657.5 million to compensate approximately 10,000 Ground Zero workers or any subsequent settlements.

Source: Insurance Information Institute.

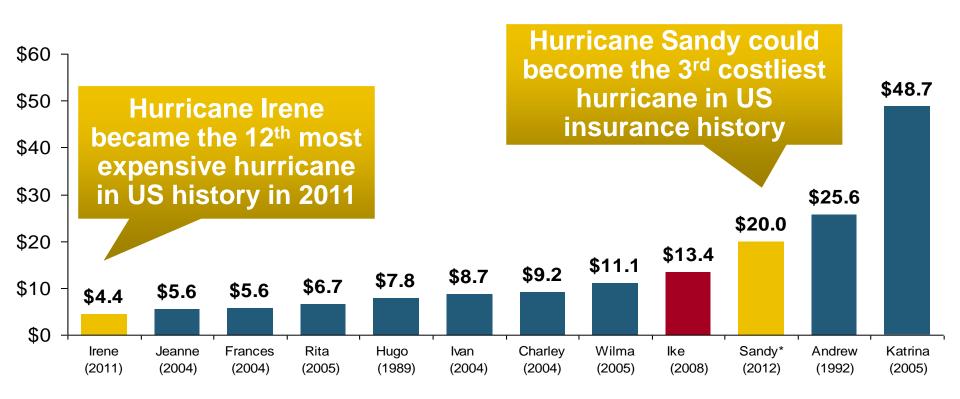
^{**\$32.5} billion in 2001 dollars.

Top 12 Most Costly Hurricanes in U.S. History



(Insured Losses, 2012 Dollars, \$ Billions)

10 of the 12 most costly hurricanes in insurance history occurred over the past 9 years (2004—2012)



*Estimate as of 12/09/12 based on estimates of catastrophe modeling firms and reported losses as of 1/12/13. Estimates range up to \$25B. Sources: PCS; Insurance Information Institute inflation adjustments to 2012 dollars using the CPI.

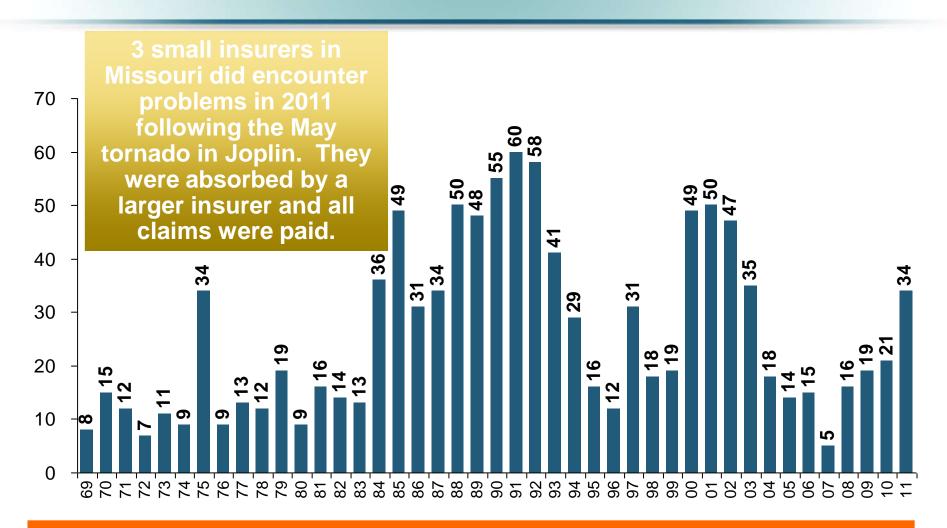


Financial Strength & Underwriting

Cyclical Pattern is P-C Impairment History is Directly Tied to Underwriting, Reserving & Pricing

P/C Insurer Impairments, 1969–2011

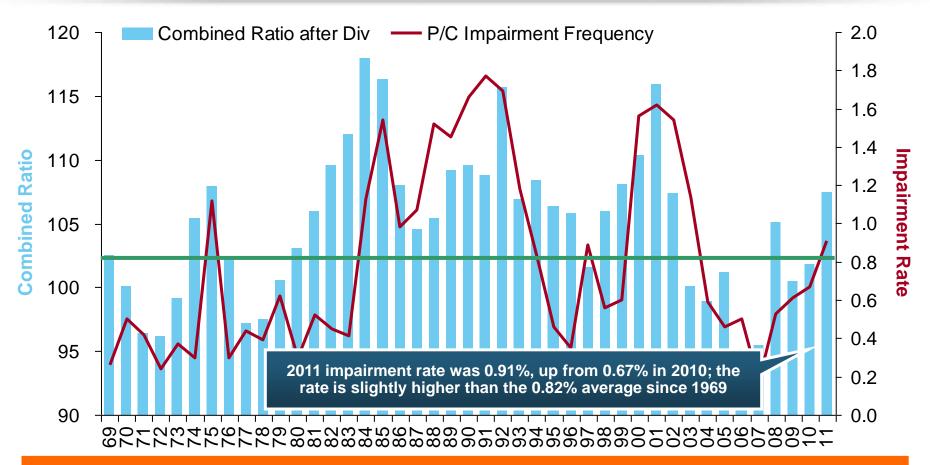




The Number of Impairments Varies Significantly Over the P/C Insurance Cycle, With Peaks Occurring Well into Hard Markets

P/C Insurer Impairment Frequency vs. Combined Ratio, 1969-2011





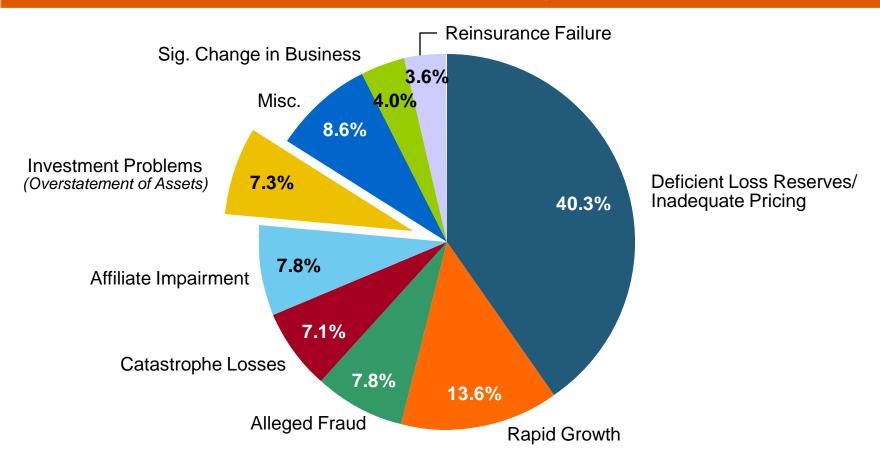
Impairment Rates Are Highly Correlated With Underwriting Performance and Reached Record Lows in 2007; Recent Increase Was Associated Primarily With Mortgage and Financial Guaranty Insurers and Not Representative of the Industry Overall

Reasons for US P/C Insurer Impairments, 1969–2010



Historically, Deficient Loss Reserves and Inadequate Pricing Are By Far the Leading Cause of P-C Insurer Impairments.

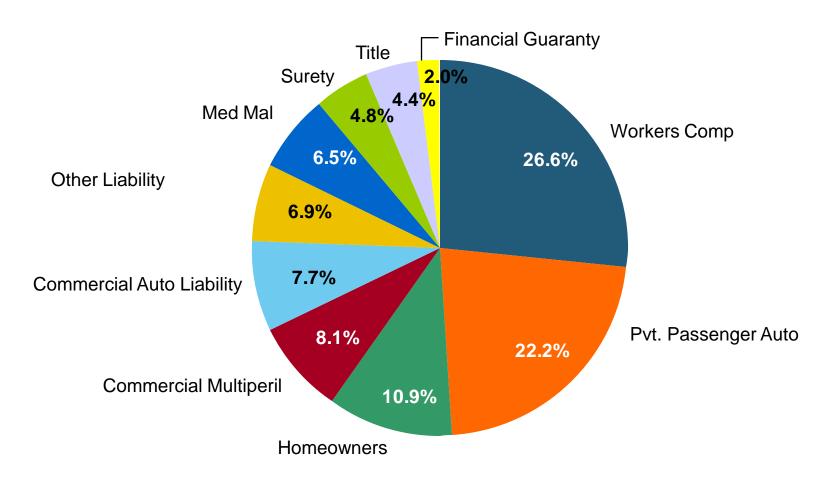
Investment and Catastrophe Losses Play a Much Smaller Role



Top 10 Lines of Business for US P/C Impaired Insurers, 2000–2010

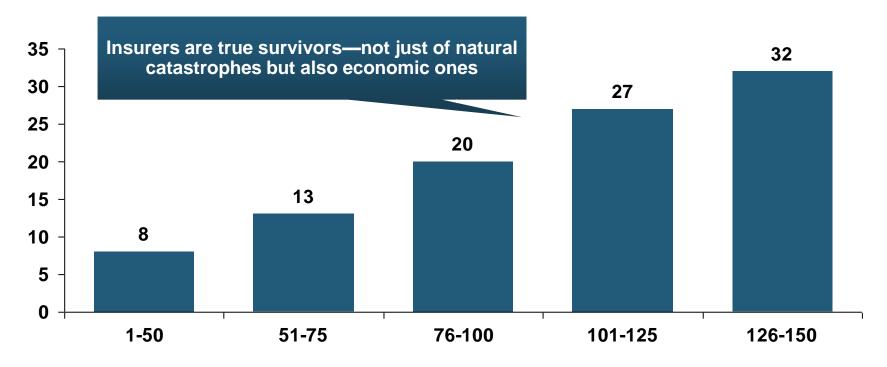


Workers Comp and Pvt. Passenger Auto Account for Nearly Half of the Premium Volume of Impaired Insurers Over the Past Decade



Number of Recessions Endured by P/C Insurers, by Number of Years in Operation Institute

Number of Recessions Since 1860



Number of Years in Operation

Many US Insurers Are Close to a Century Old or Older

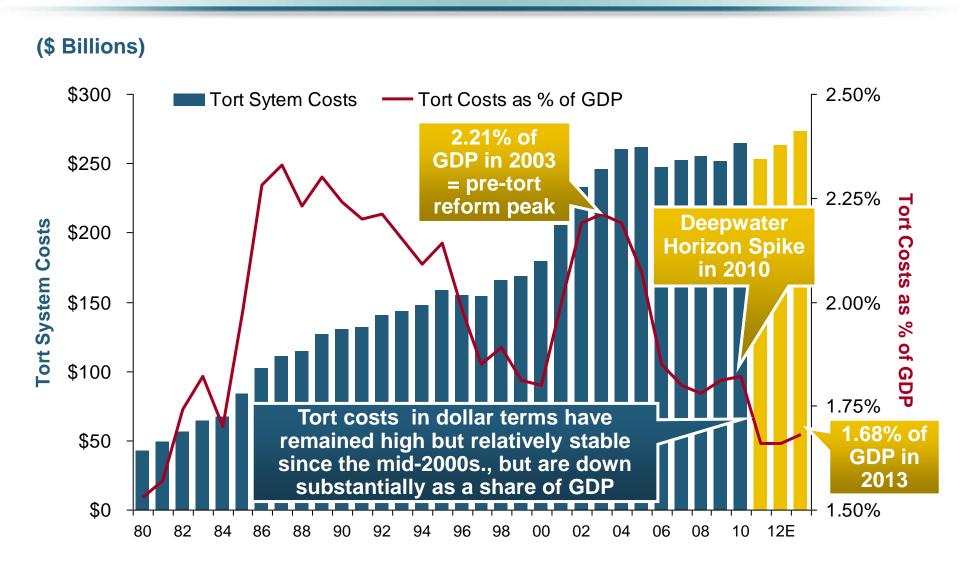


Shifting Legal Liability & Tort Environment

Is the Tort Pendulum Swinging Against Insurers?

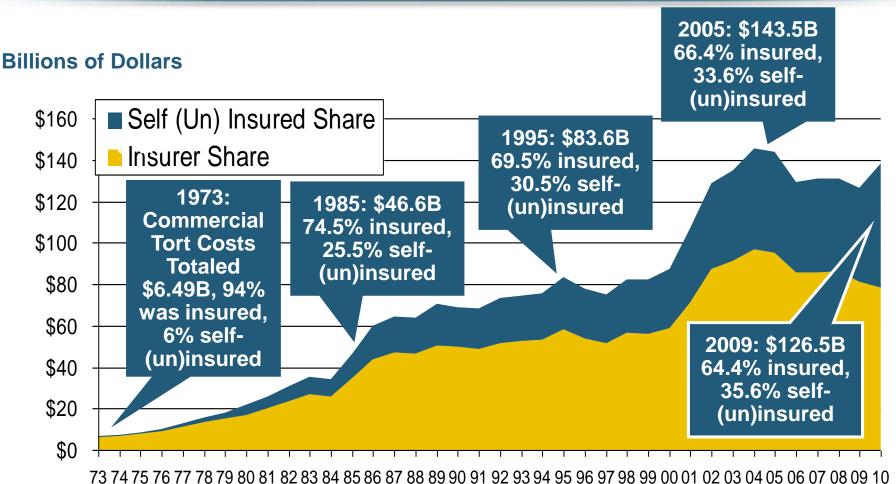
Over the Last Three Decades, Total Tort Costs as a % of GDP Appear Somewhat Cyclical, 1980-2013E





Commercial Lines Tort Costs: Insured vs. Self-(Un)Insured Shares, 1973-2010

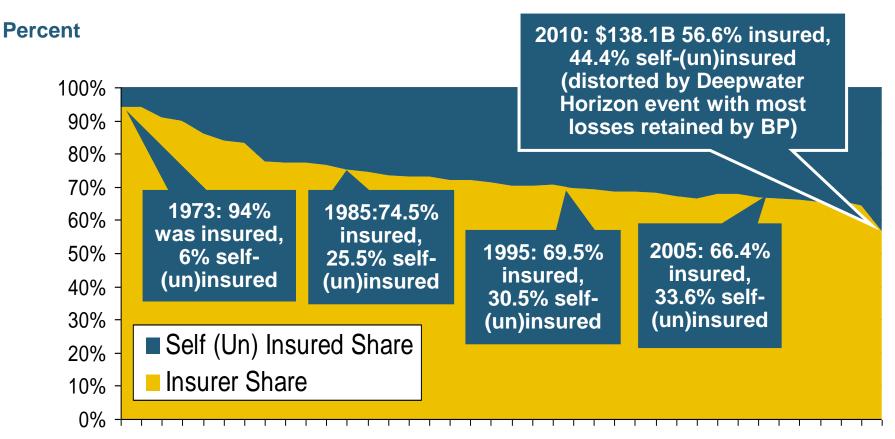




Tort Costs and the Share Retained by Risks Both Grew Rapidly from the mid-1970s to mid-2000s, When Tort Costs Began to Fall But Self-**Insurance Shares Continued to Rise**

Commercial Lines Tort Costs: Insured vs. Self-(Un)Insured Shares, 1973-2010





73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 00 01 02 03 04 05 06 07 08 09 10

The Share of Tort Costs Retained by Risks Has Been Steadily Increasing for Nearly 40 Years. This Trend Contributes Has Left Insurers With Less Control Over Pricing.

Business Leaders Ranking of Liability Systems in 2012



Best States

- Delaware
- Nebraska
- 3. Wyoming
- 4. Minnesota
- 5. Kansas
- 6. Idaho
- 7. Virginia
- 8. North Dakota
- 9. Utah

10. Iowa

New in 2012

- Wyoming
- Minnesota
- Kansas
- Idaho

Drop-offs

- Indiana
- Colorado
- Massachusetts
- South Dakota

Worst States

- 41. Florida
- 42. Oklahoma
- 43. Alabama
- 44. New Mexico
- 45. Montana
- 46. Illinois
- 47. California
- 48. Mississippi
- 49. Louisiana
- 50. West Virginia

Newly Notorious

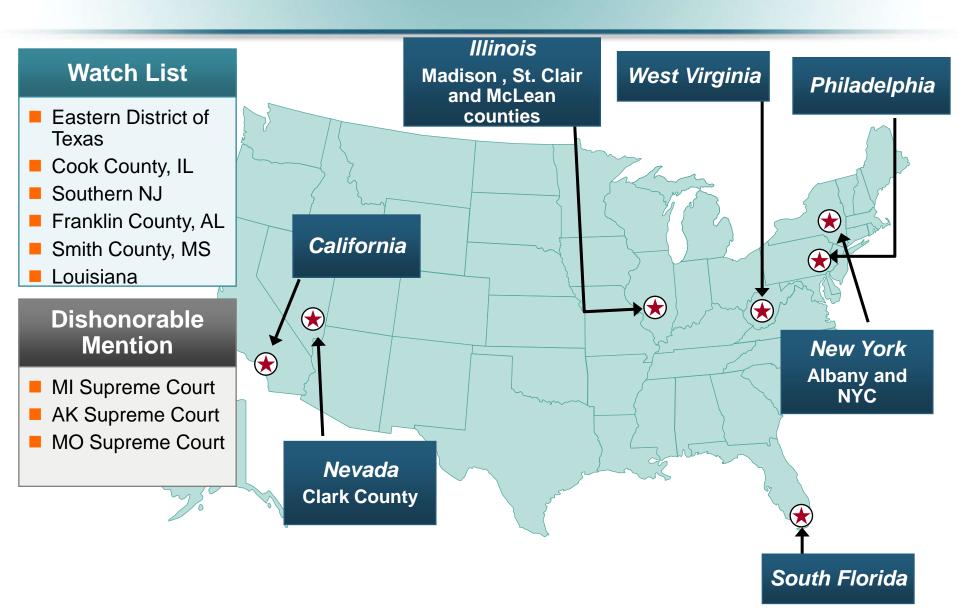
Oklahoma

Rising Above

Arkansas

The Nation's Judicial Hellholes: 2011







Insurance Information Institute Online:

www.iii.org

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