

# Overview & Outlook for the P/C Insurance Industry Northwest Insurance Review & Forecast

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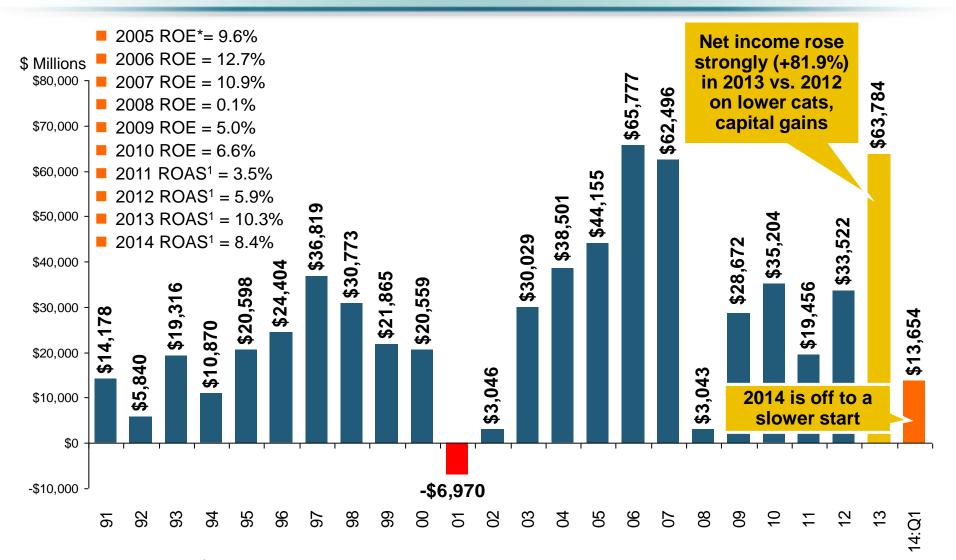
## P/C Insurance Industry: Financial Update

2013 Was the Industry's Best Year in the Post-Crisis Era

2014 Performance is Reasonably Good

## P/C Industry Net Income After Taxes 1991–2014:Q1



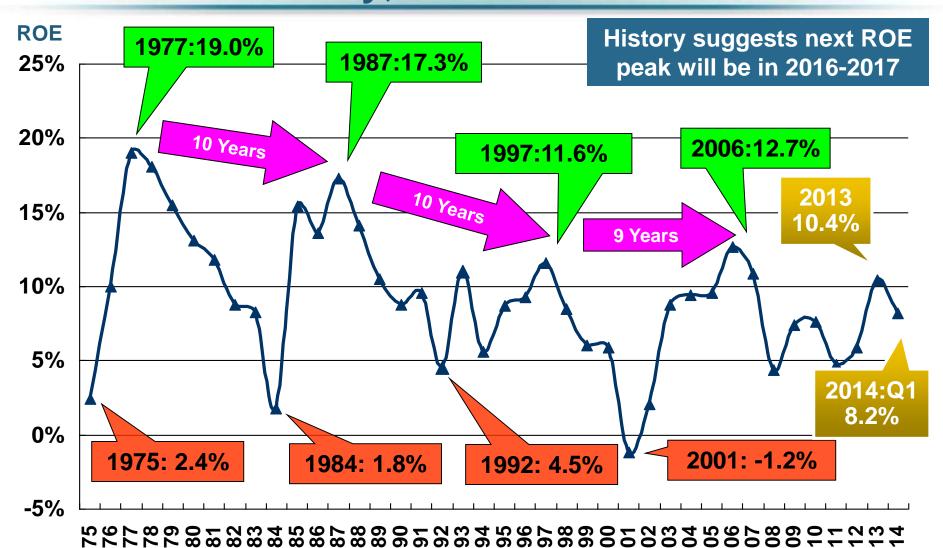


•ROE figures are GAAP; <sup>1</sup>Return on avg. surplus. Excluding Mortgage & Financial Guaranty insurers yields an 8.2% ROAS through 2014:Q1, 9.8% ROAS in 2013, 6.2% ROAS in 2012, 4.7% ROAS for 2011, 7.6% for 2010 and 7.4% for 2009.

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

## Profitability Peaks & Troughs in the P/C Insurance Industry, 1975 – 2014:Q1\*



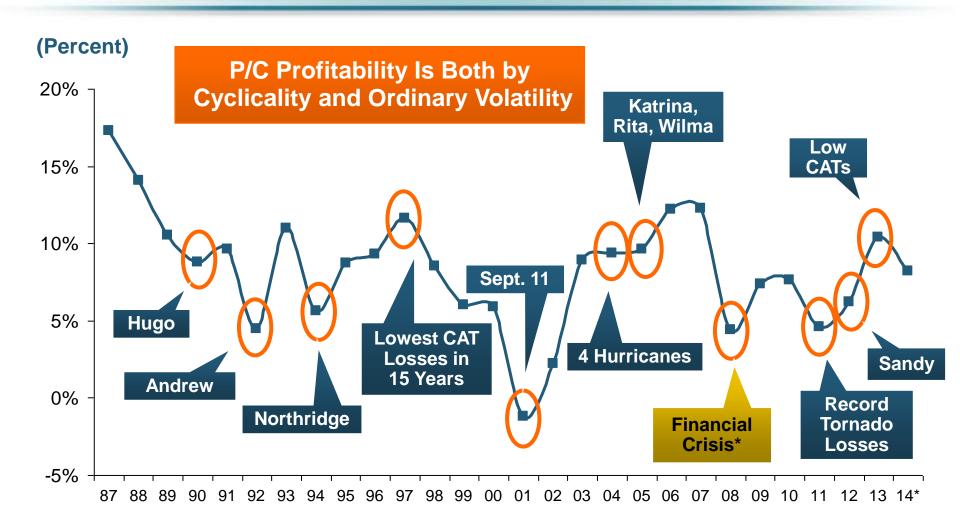


\*Profitability = P/C insurer ROEs. 2011-14 figures are estimates based on ROAS data. Note: Data for 2008-2014 exclude mortgage and financial guaranty insurers.

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

## ROE: Property/Casualty Insurance by Major Event, 1987–2014:Q1

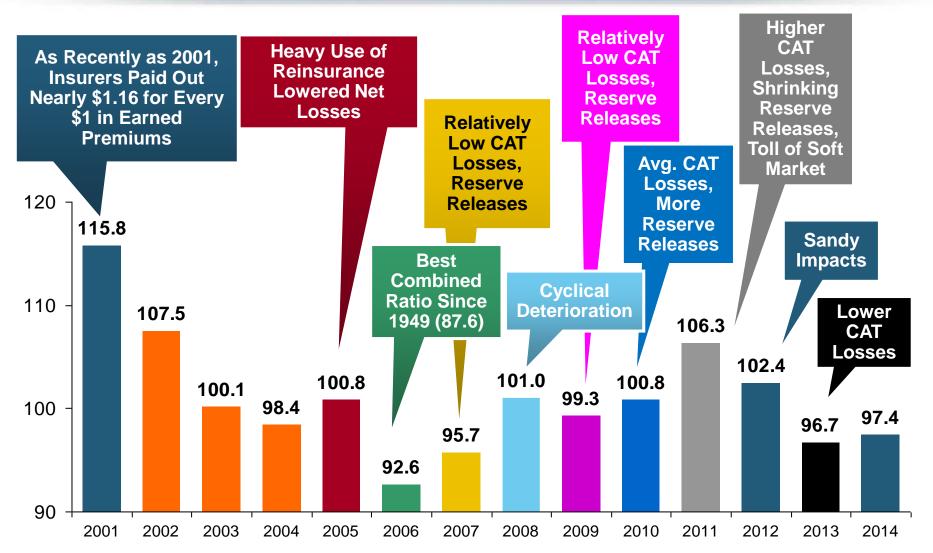




<sup>\*</sup> Excludes Mortgage & Financial Guarantee in 2008 – 2014. 2014 figure is through Q1:2014. Sources: ISO, *Fortune*; Insurance Information Institute.

## P/C Insurance Industry Combined Ratio, 2001–2014:Q1\*



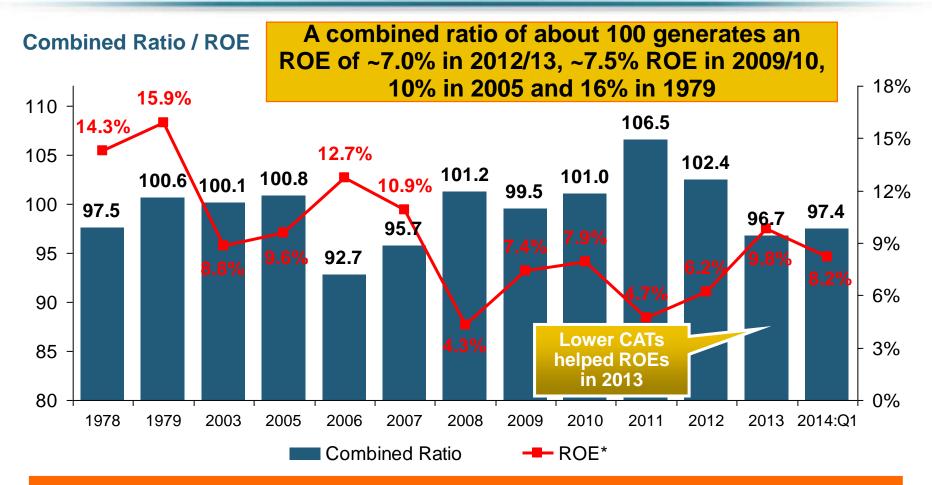


<sup>\*</sup> Excludes Mortgage & Financial Guaranty insurers 2008--2012. Including M&FG, 2008=105.1, 2009=100.7, 2010=102.4, 2011=108.1; 2012:=103.2; 2013: = 96.1; 2014:Q1 = 97.3.

Sources: A.M. Best, ISO.

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



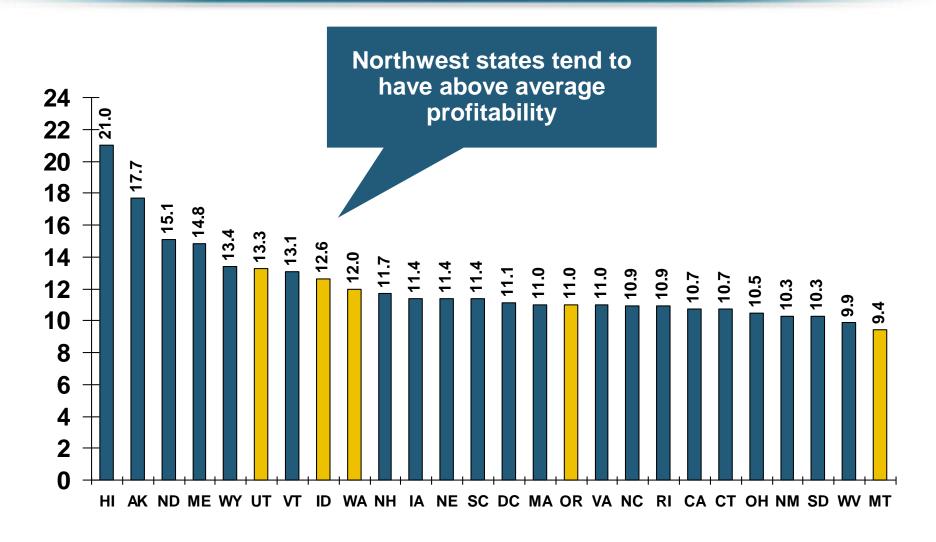


Combined Ratios Must Be Lower in Today's Depressed Investment Environment to Generate Risk Appropriate ROEs

<sup>\* 2008 -2014</sup> figures are return on average surplus and exclude mortgage and financial guaranty insurers. 2014:Q1 combined ratio including M&FG insurers is 97.3; 2013 = 96.1; 2012 =103.2, 2011 = 108.1, ROAS = 3.5%. Source: Insurance Information Institute from A.M. Best and ISO Verisk Analytics data.

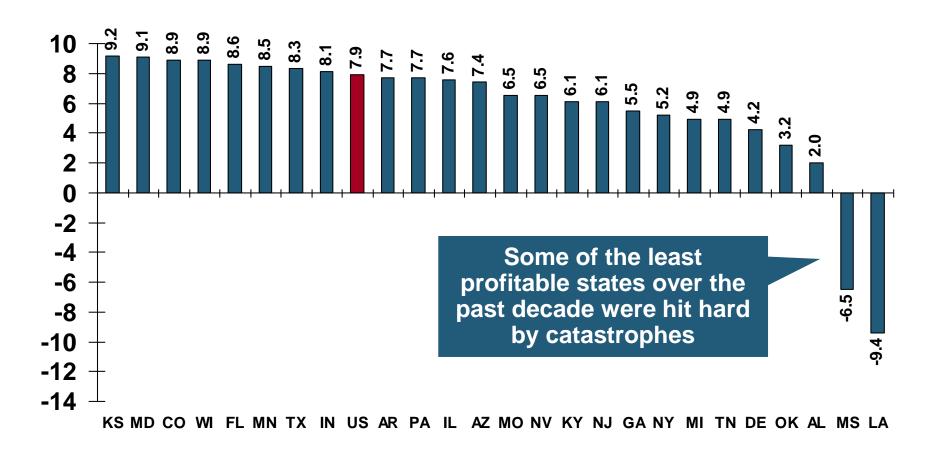
### RNW All Lines by State, 2003-2012 Average: Highest 25 States





### RNW All Lines by State, 2003-2012 Average: Lowest 25 States





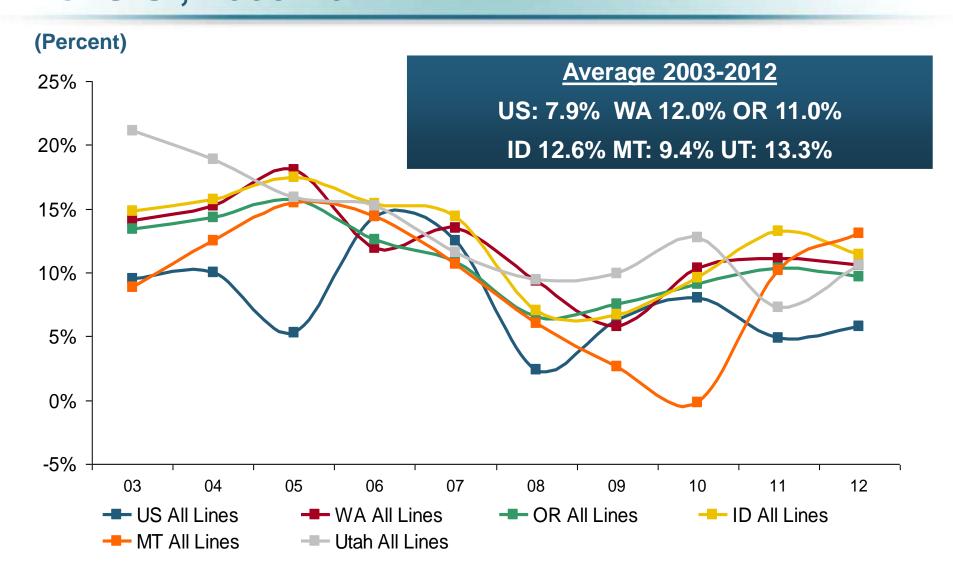


## Profitability and Growth in Commercial Lines

Analysis by Line for WA,OR, MT, ID and UT

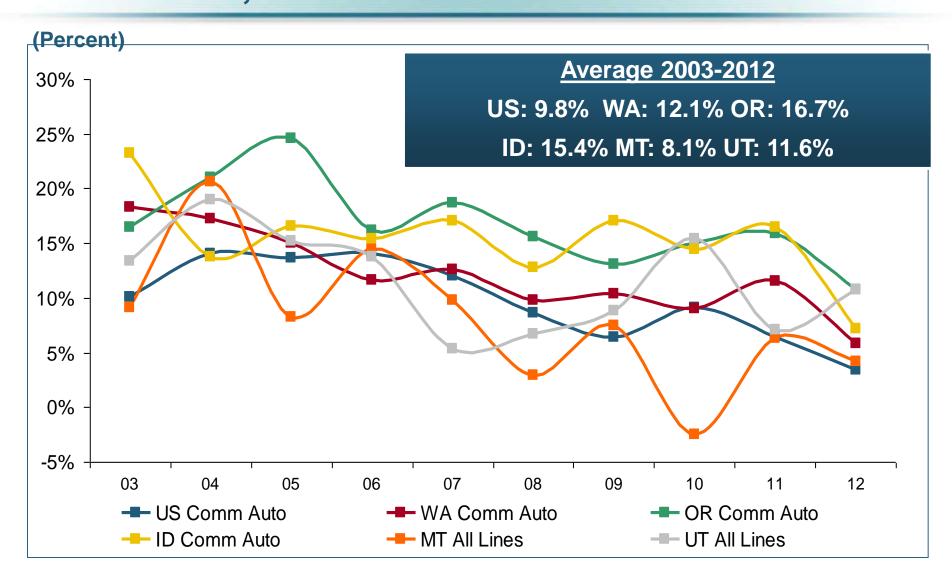
## RNW All Lines: WA, OR, ID, MT and UT vs. U.S., 2003-2012





## RNW Comm. Auto: WA, OR, ID, MT and UT vs. U.S., 2003-2012



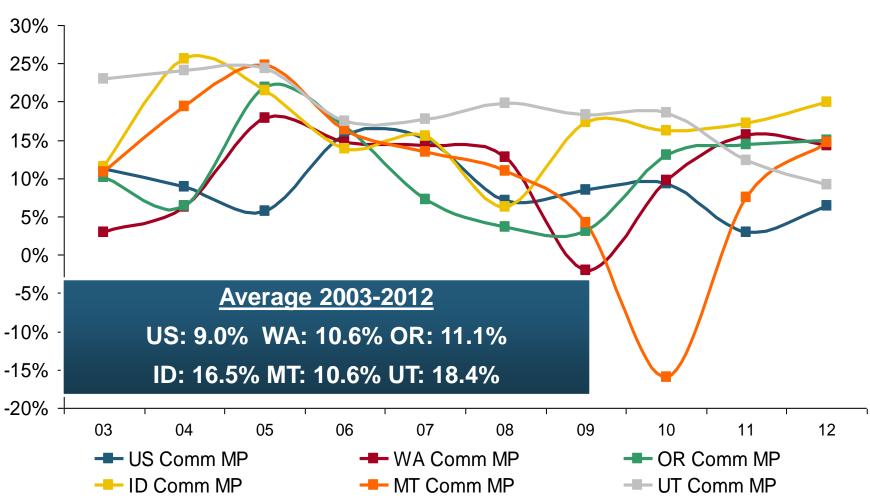


Source: NAIC.

## RNW Comm. MP: WA, OR, ID, MT and UT vs. U.S., 2003-2012



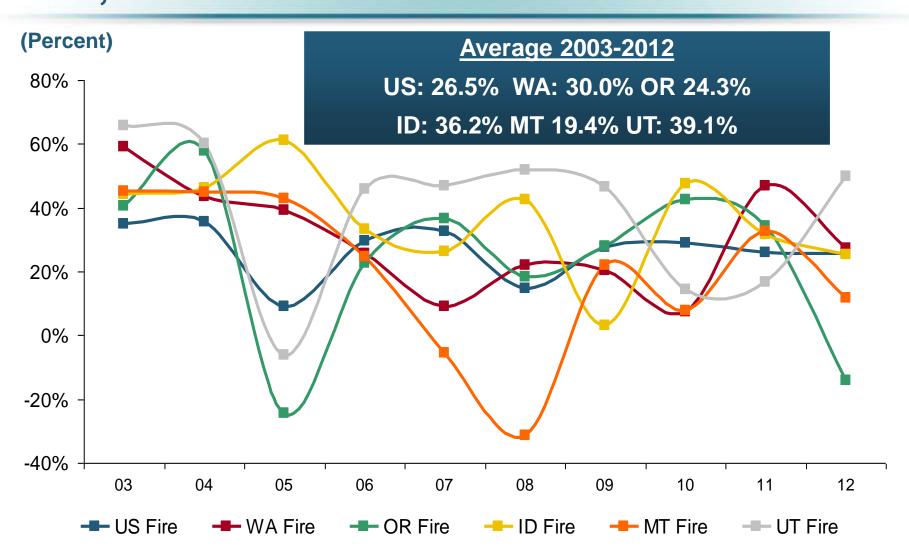




Source: NAIC.

## RNW Fire: WA, OR, ID, MT and UT vs. U.S., 2003-2012

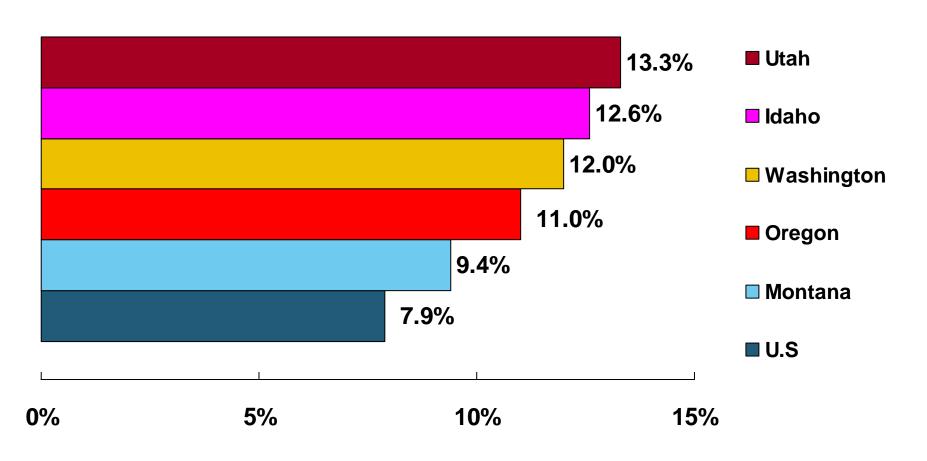




## All Lines: 10-Year Average RNW WA, OR, III, MT and UT vs. U.S.



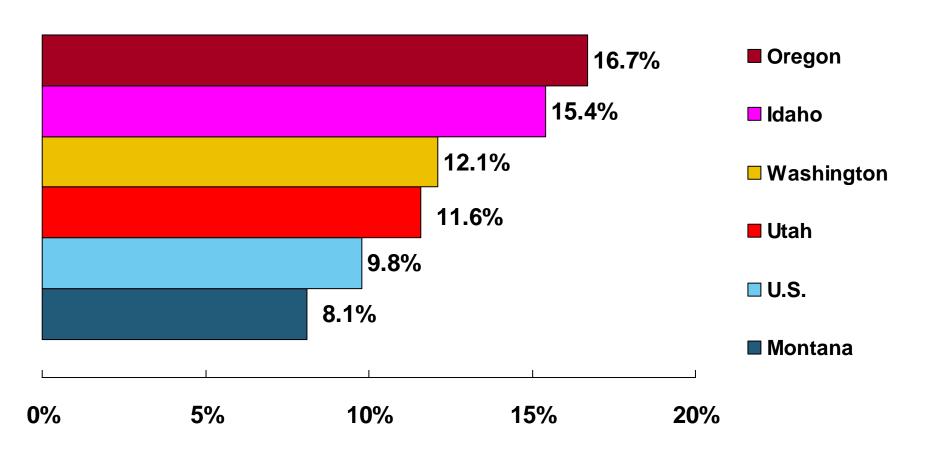




## Comm. Auto: 10-Year Average RNW WA, OR, ID, MT and UT vs. U.S.

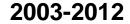


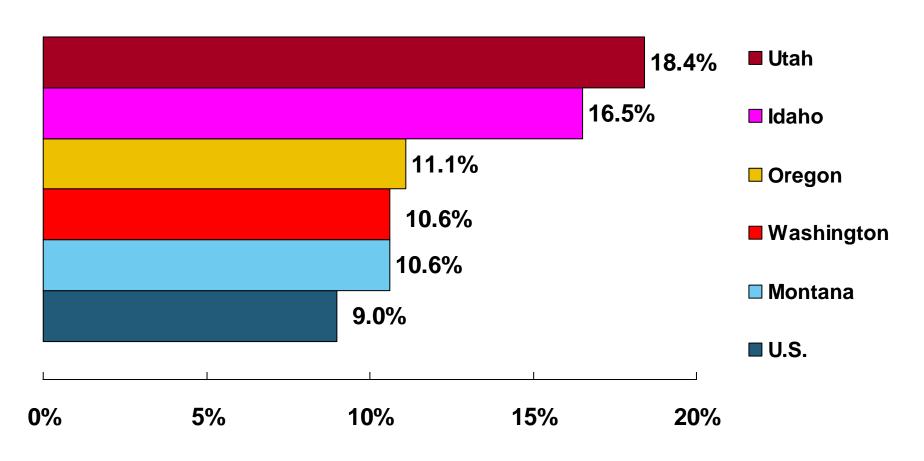




## Comm. MP: 10-Year Average RNW WA, OR, ID, MT and UT vs. U.S.

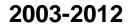


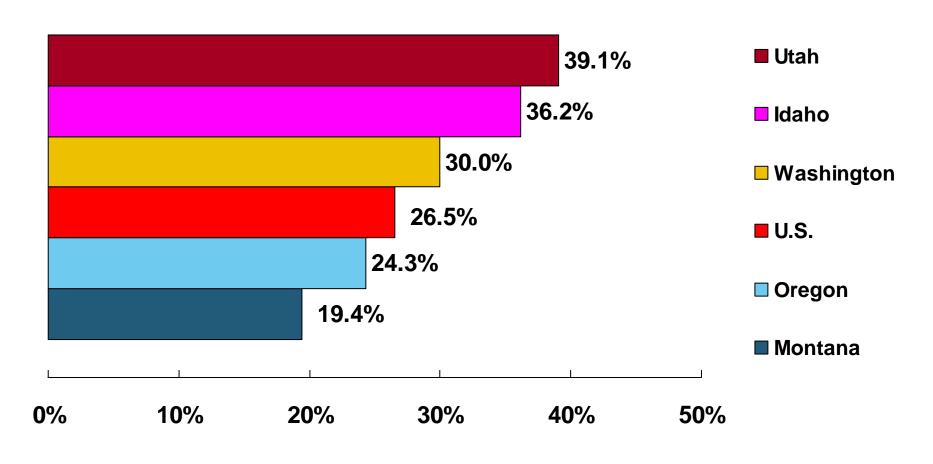




### Fire: 10-Year Average RNW WA,OR, ID, MT and UT vs. U.S.

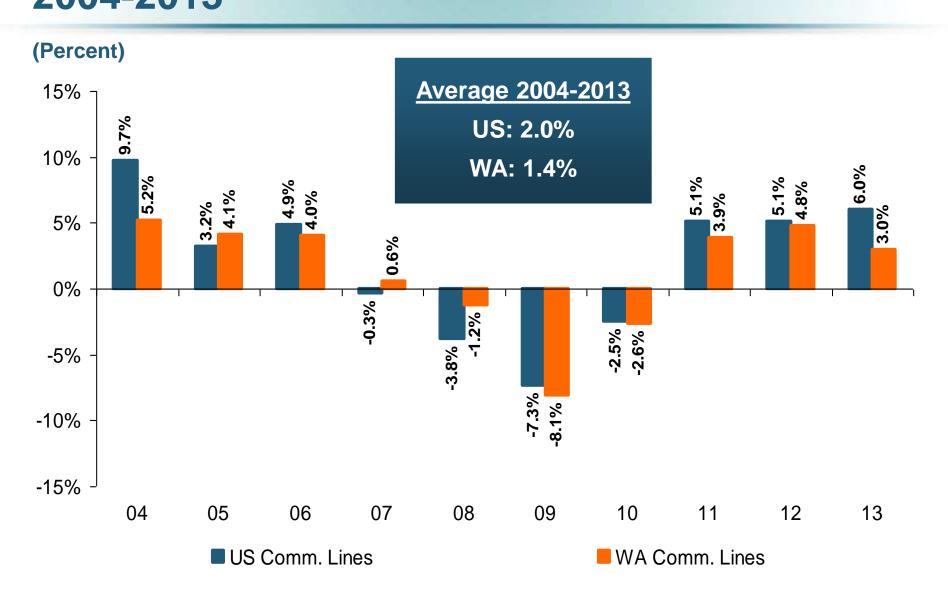






## Comm. Lines DWP Growth: WA vs. U.S 2004-2013

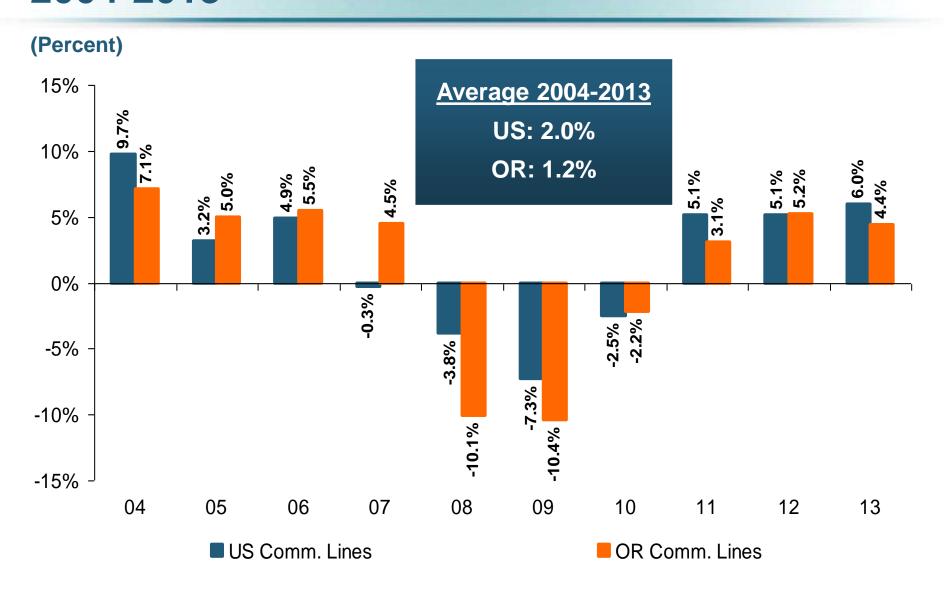




Source: SNL Financial.

## Comm. Lines DWP Growth: OR vs. U.S 2004-2013

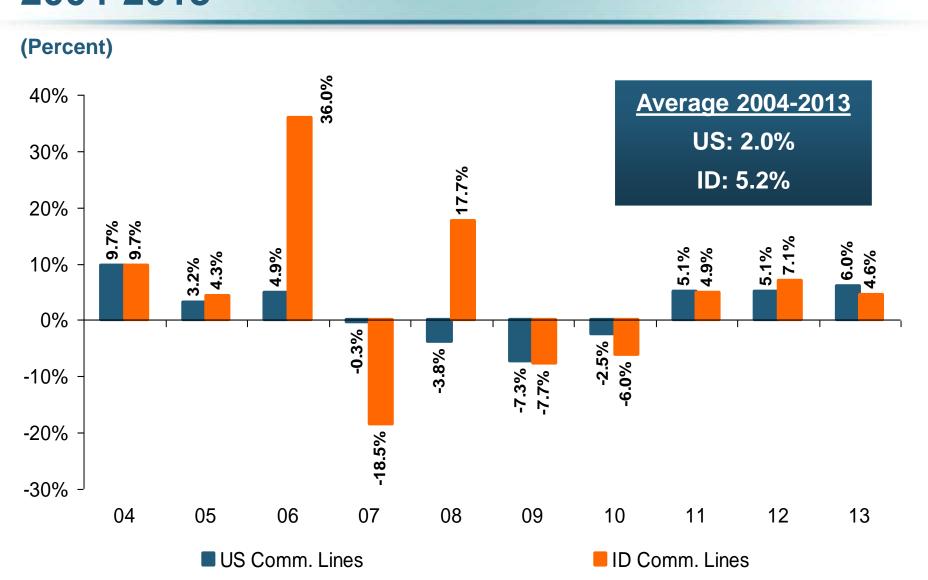




Source: SNL Financial.

## Comm. Lines DWP Growth: ID vs. U.S 2004-2013

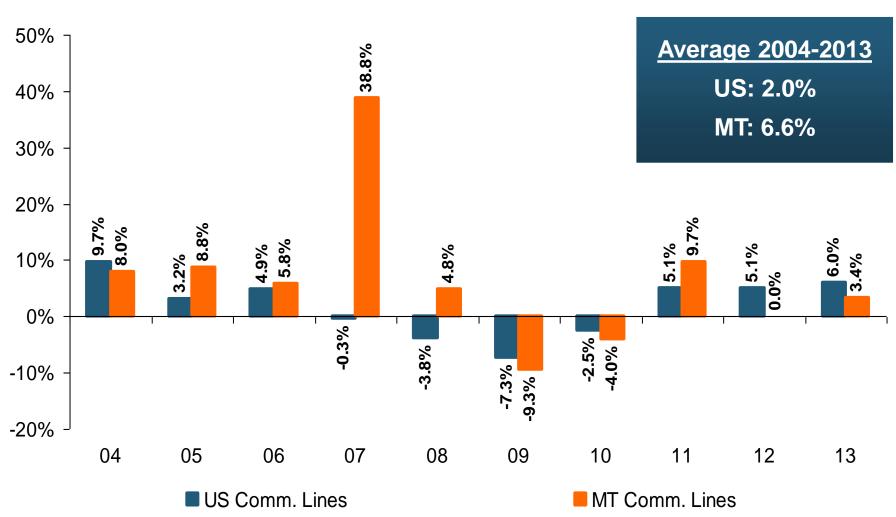




## Comm. Lines DWP Growth: MT vs. U.S 2004-2013



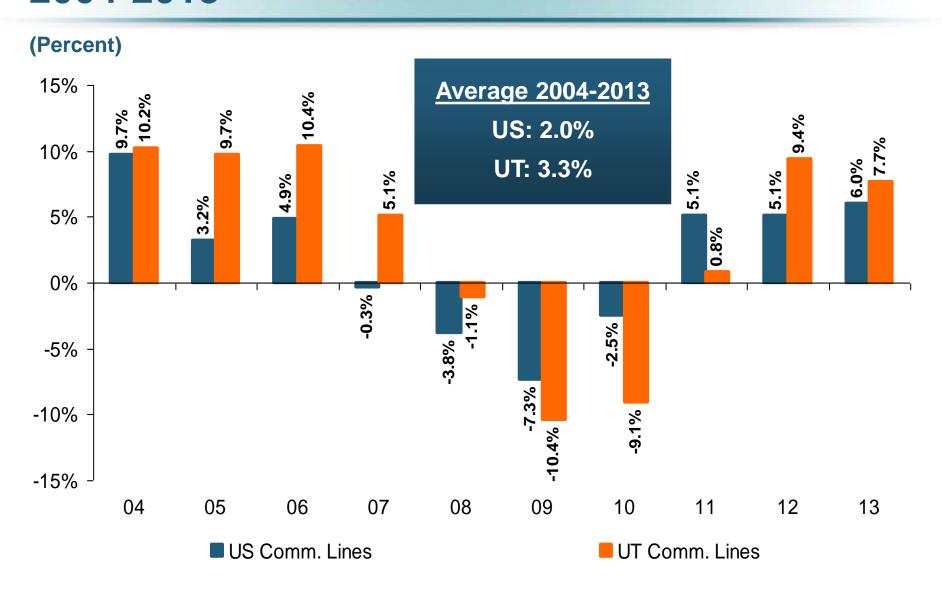




Source: SNL Financial.

## Comm. Lines DWP Growth: UT vs. U.S 2004-2013





Source: SNL Financial.



## Growth Analysis by State and Business Segment

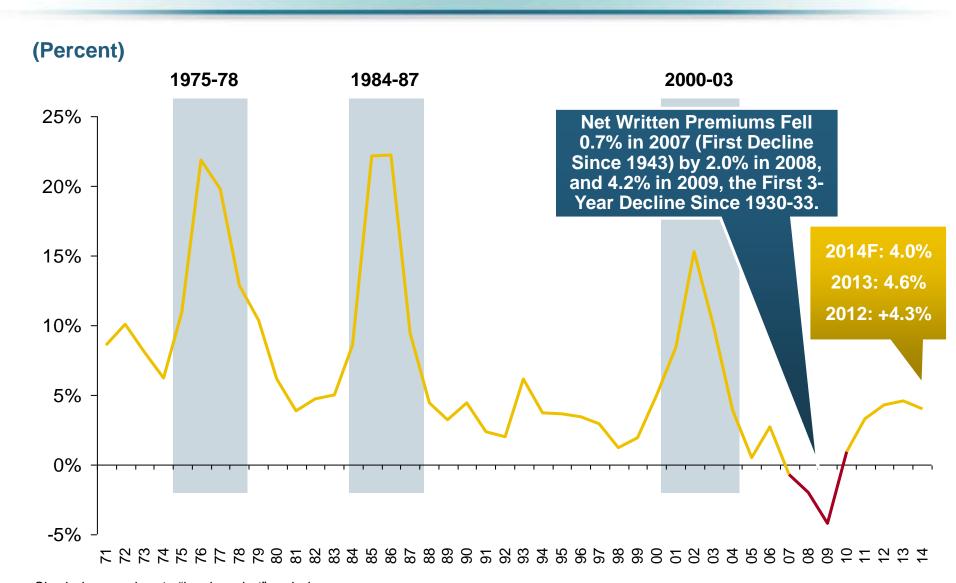
Post-Crisis Paradox?

Premium Growth Varies

Tremendously by State

## Net Premium Growth: Annual Change, 1971—2014F



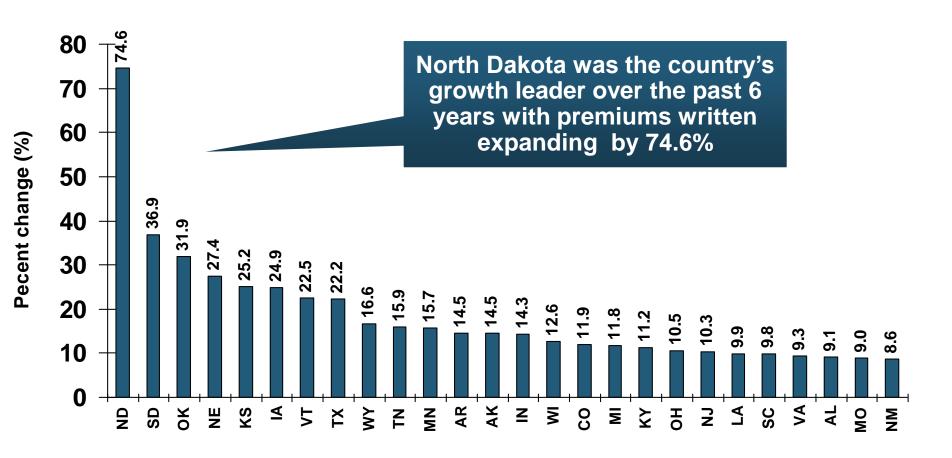


Shaded areas denote "hard market" periods Sources: A.M. Best (historical and forecast), ISO, Insurance Information Institute.

## Direct Premiums Written: Total P/C Percent Change by State, 2007-2013



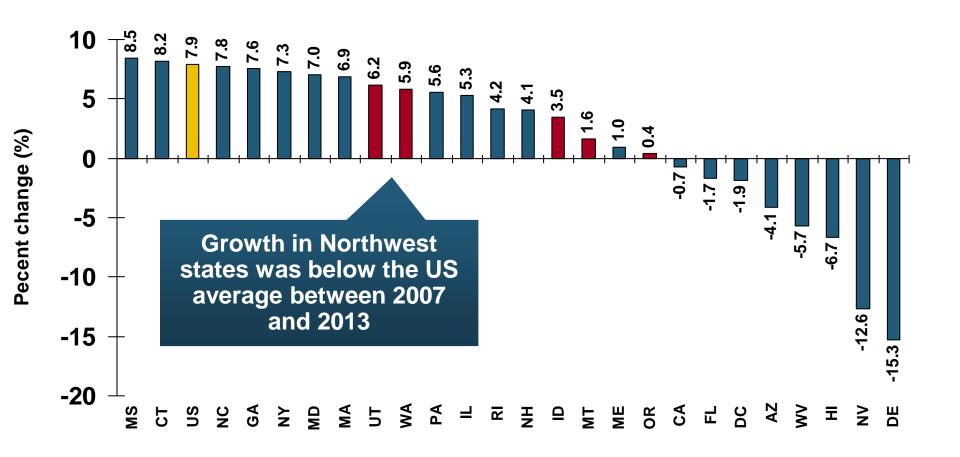
### **Top 25 States**



## Direct Premiums Written: Total P/C Percent Change by State, 2007-2013



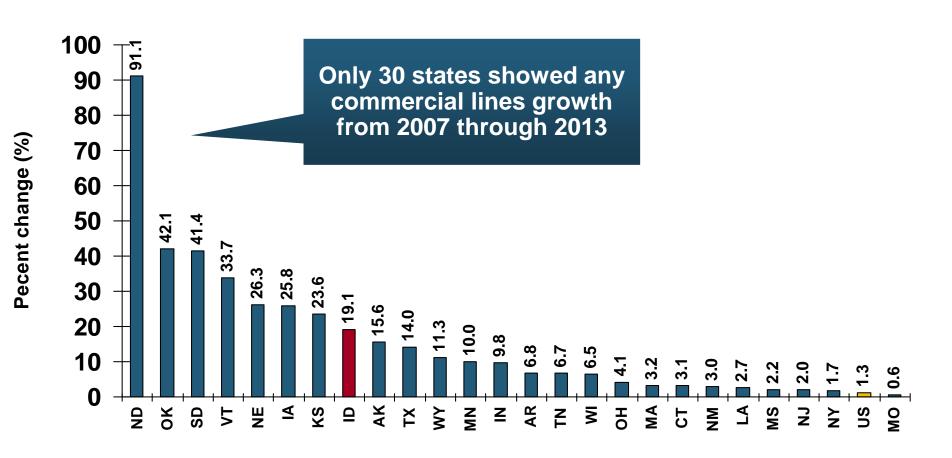
#### **Bottom 25 States**



## Direct Premiums Written: Comm. Lines Percent Change by State, 2007-2013



### Top 25 States

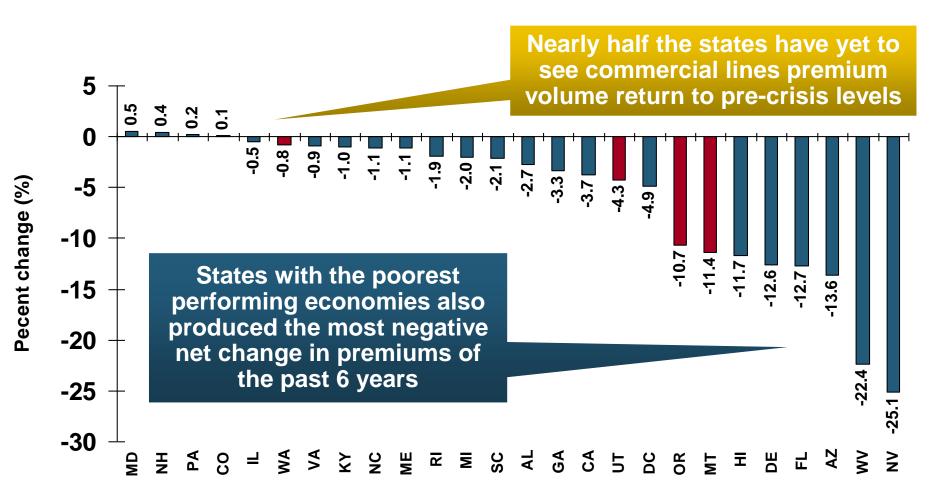


Sources: SNL Financial LLC.; Insurance Information Institute.

## Direct Premiums Written: Comm. Lines Percent Change by State, 2007-2013



#### **Bottom 25 States**

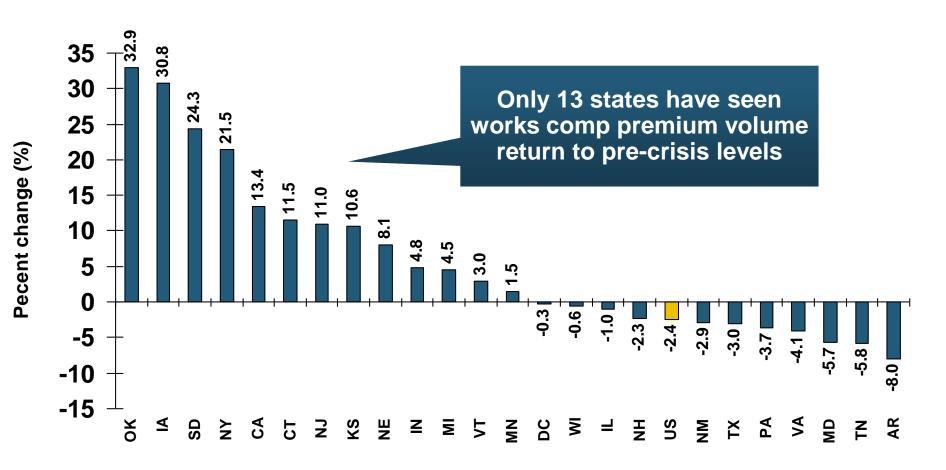


Sources: SNL Financial LLC.; Insurance Information Institute.

### Direct Premiums Written: Workers' Comp Percent Change by State, 2007-2013\*



### **Top 25 States**

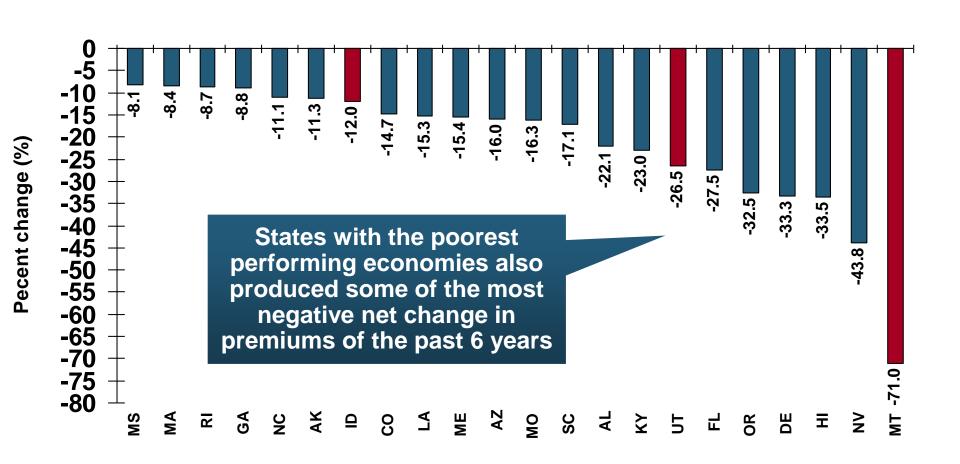


<sup>\*</sup>Excludes monopolistic fund states: ND, OH, WA, WY as well as WV, which transitioned to a competitive structure during this period. Sources: SNL Financial LC.; Insurance Information Institute.

### Direct Premiums Written: Worker's Comp Percent Change by State, 2007-2013\*



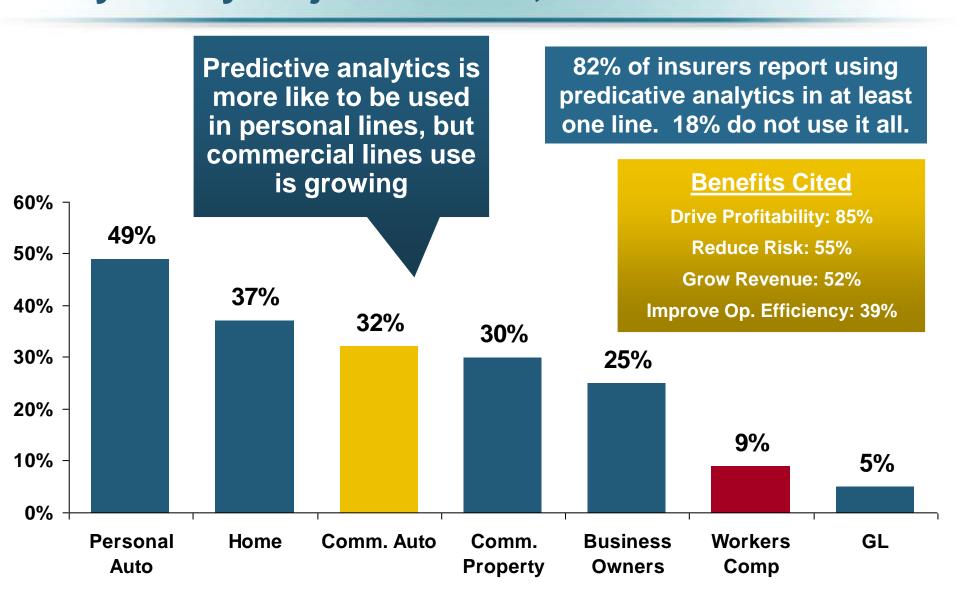
#### **Bottom 25 States**



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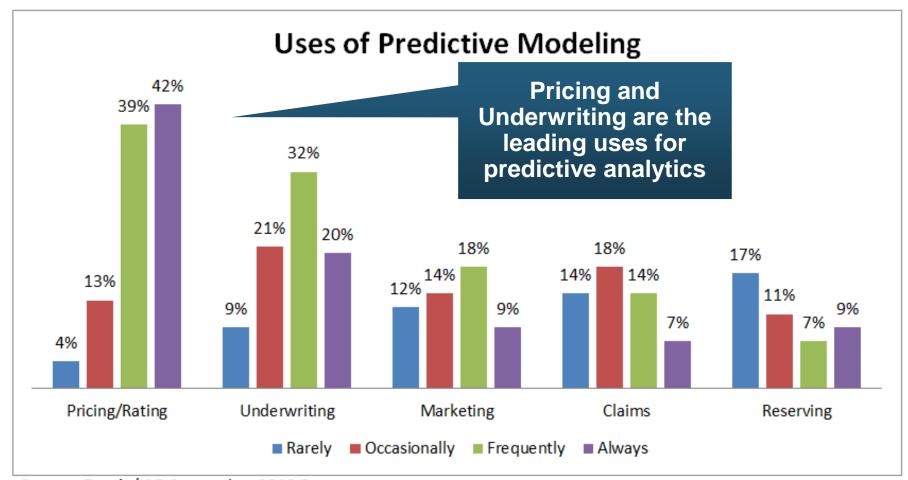
## Percentage of Carriers Using Predictive Analytics by Major P/C Line, 2013





### Uses of Predictive Analytics by Function Insurance Information Institute





Source: Earnix/ISO September 2013 Survey

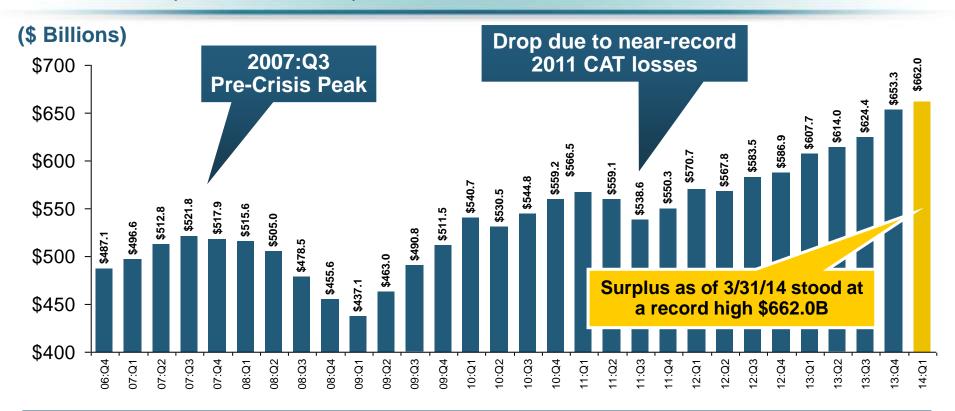


### CAPITAL & CAPACITY

# Primary Insurance and Reinsurance Markets Are Well Capitalized

## Policyholder Surplus, 2006:Q4–2014:Q1





The industry now has \$1 of surplus for every \$0.73 of NPW, close to the strongest claims-paying status in its history.

2010:Q1 data includes \$22.5B of paid-in capital from a holding company parent for one insurer's investment in a non-insurance business.

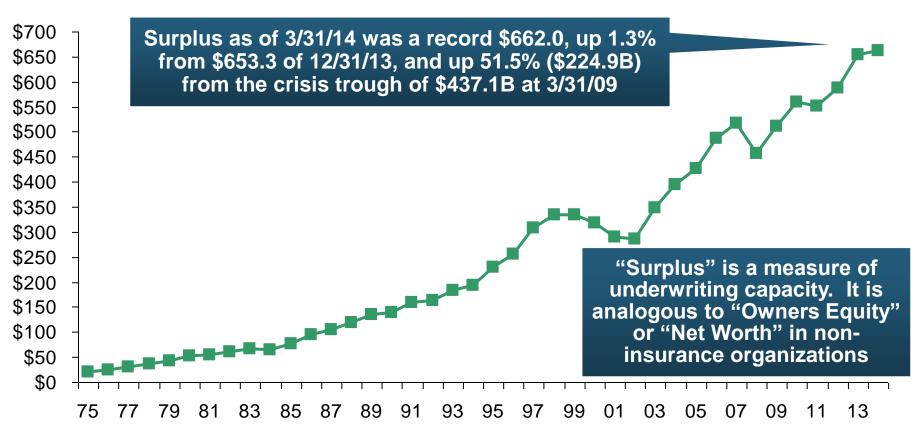
The P/C insurance industry entered 2014 in very strong financial condition.

Sources: ISO, A.M .Best.

## US Policyholder Surplus: 1975–2014\*







The Premium-to-Surplus Ratio Stood at \$0.73:\$1 as of 3/31/14, a Near Record Low (at Least in Recent History)

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

<sup>\*</sup> As of 3/31/14.

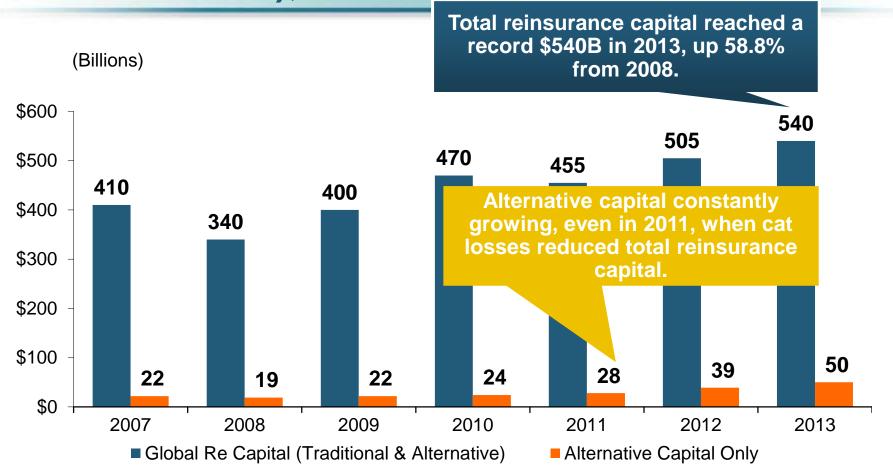


# ALTERNATIVE CAPITAL & REINSURANCE MARKETS

## Impact Is Focused on Well-Modelled Property Risks

Global Reinsurance Capital (Traditional and Alternative), 2007 - 2013



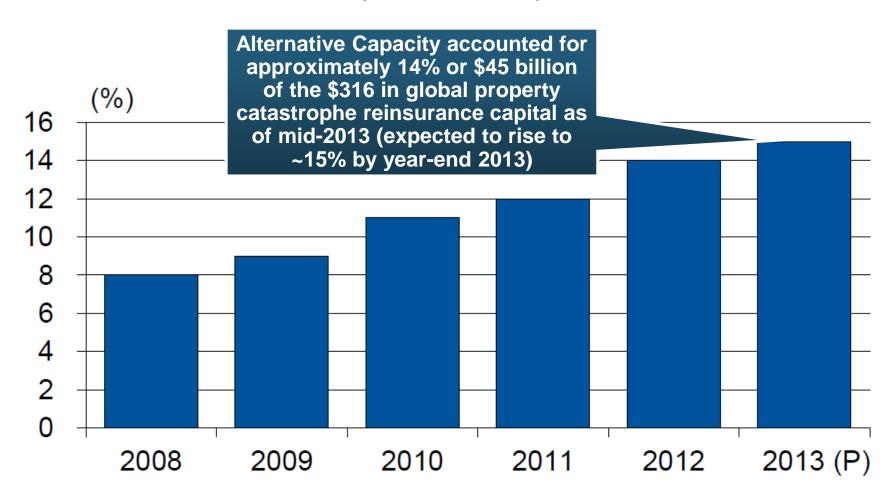


But alternative capacity has grown 163% since 2008, to \$50B. It has grown 79% in the past two years.

## Alternative Capacity as a Percentage of Global Property Catastrophe Reinsurance Limit

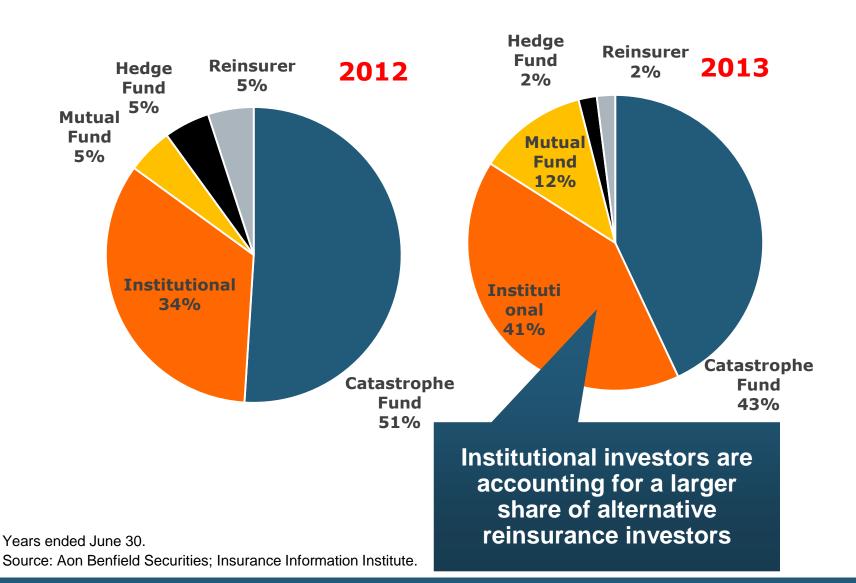


(As of Year End)



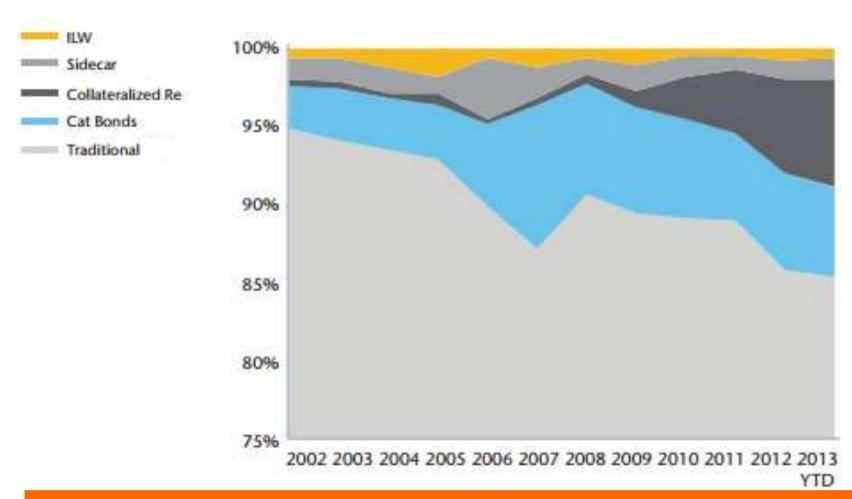
## **Investor by Category**





## Alternative Risk Transfer: Market Growth





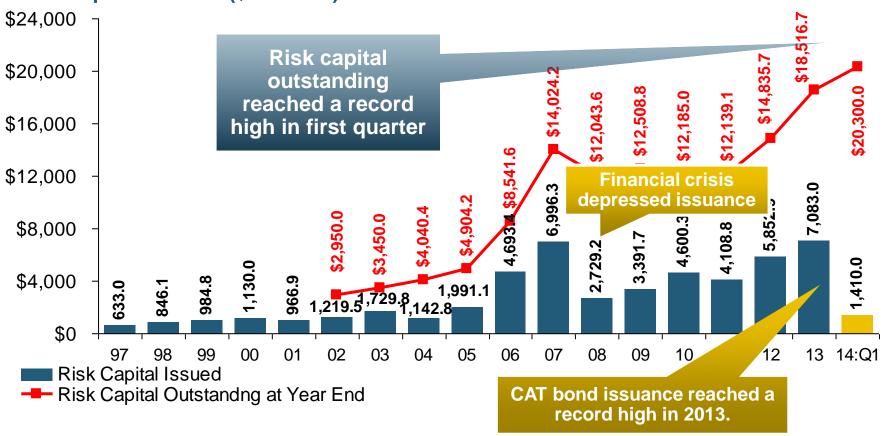
Since 2009, market share of collateralized reinsurance has grown faster than cat bonds or other forms of risk transfer

Source: Aon Benfield Insurance-Linked Securities: Capital Revolution, August 30, 2013; Insurance Information Institute.

# Catastrophe Bonds: Issuance and Outstanding, 1997- 2014:Q1





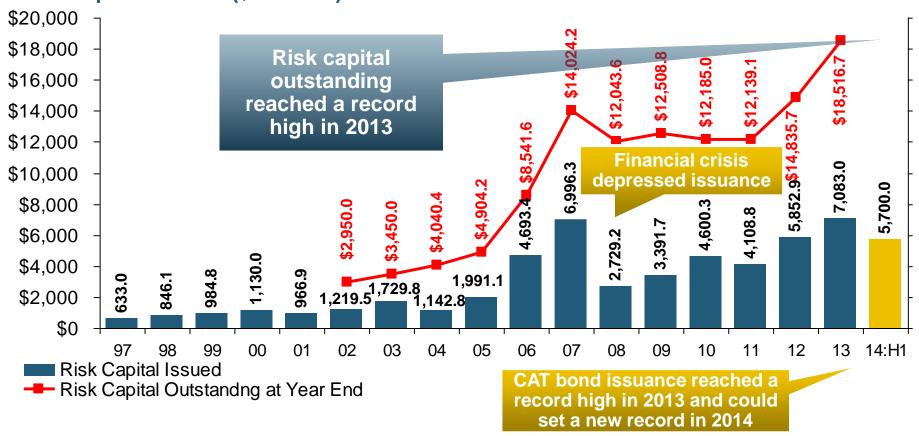


Second Quarter 2014 Will Set a Record – Nearly \$4.6 Billion Issued

# Catastrophe Bonds: Issuance and Outstanding, 1997- 2014:Q2\*







Catastrophe Bond Issuance Is Approaching Pre-Crisis Levels While Risk Capital Outstanding Stands at an All-Time Record

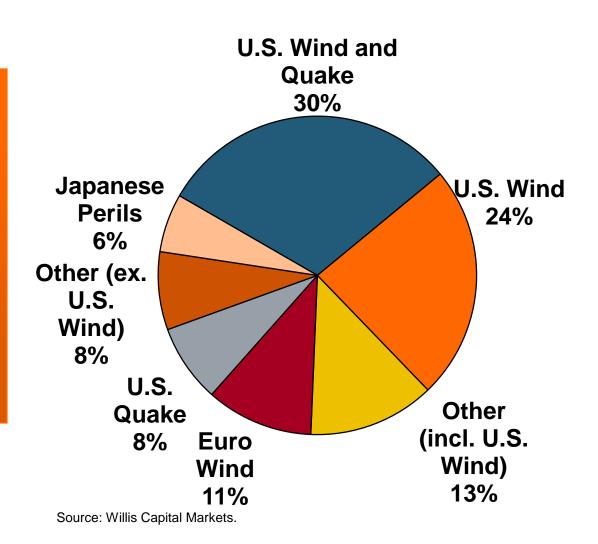
Source: Guy Carpenter; Insurance Information Institute.

<sup>\*</sup>Through June 30, 2014.

## Catastrophe Bonds Outstanding, Q1 2014 information Institute

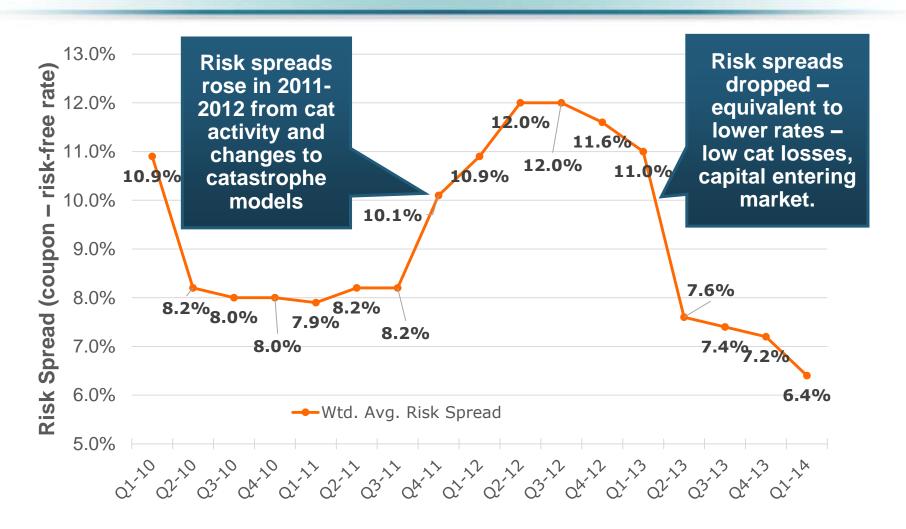


Catastrophe bonds are heavily concentrated in U.S. hurricane exposures. Twothirds of catastrophe risks outstanding cover U.S. wind risks.



## U.S. Wind-Exposed Risk Premium\* 2010:Q1 to 2014: Q1



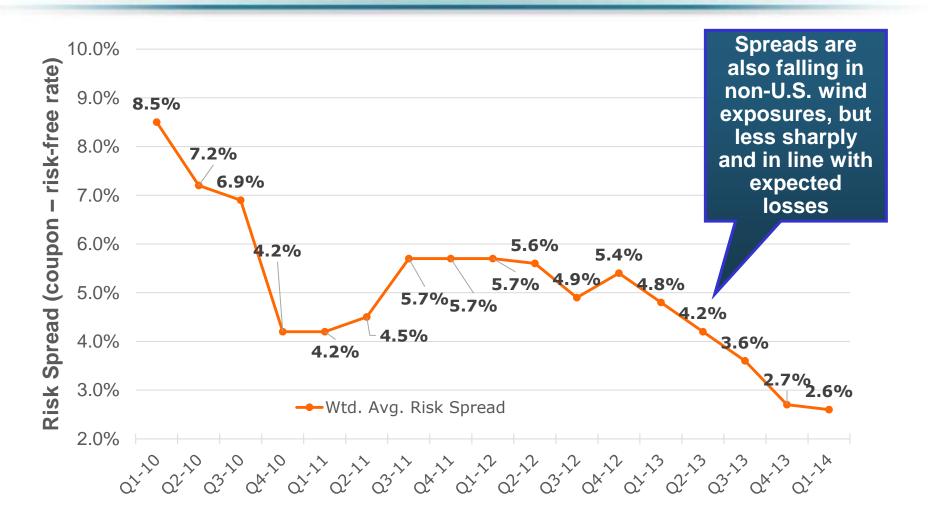


<sup>\*</sup> Trailing 12-month average

SOURCE: Willis Capital Markets, Insurance Information Institute.

## Non-U.S. Wind-Exposed Risk Premium\* 2010:Q1-2014: Q1



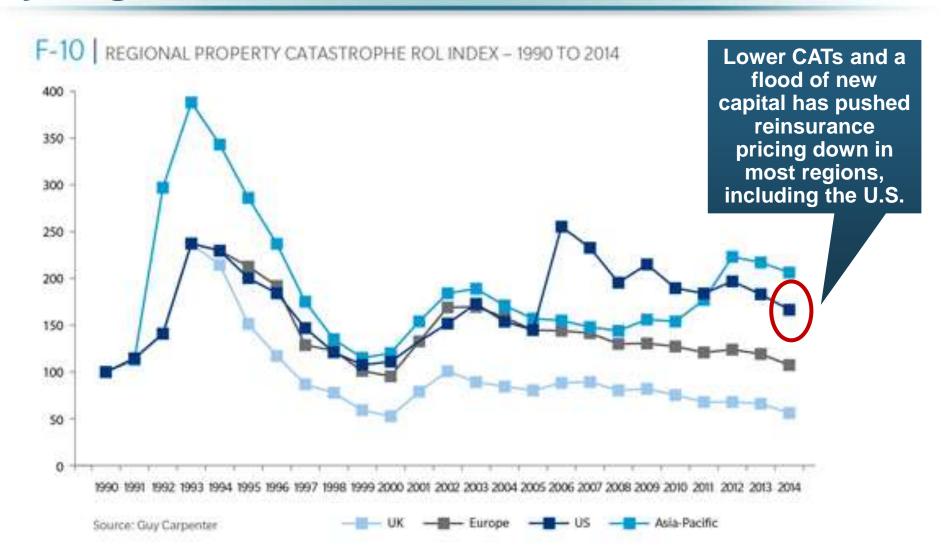


<sup>\*</sup> Trailing 12-month average.

SOURCE: Willis Capital Markets, Insurance Information Institute.

# Reinsurance Pricing: Rate-on-Line Index by Region, 1990 – 2014\*





\*As of Jan. 1.

Source: Guy Carpenter

## **Notable Cat Bond Events**



Bond	Sponsor	Event(s)	Loss to Investors
Kelvin Ltd.	Koch Energy	U.S. Winter 2000-01	\$5 million
George Town Re	St. Paul Re	9/11, Hurricane Floyd, European wind	\$1 million
KAMP Re	Zurich	Hurricane Katrina (2005)	\$144 million
Avalon Re	Oil Casualty	Katrina, 2005 fuel depot explosion, NYC street collapse	\$13 million
Ajax	Aspen Re	2008 Lehman bankruptcy	\$72 million
Carillon	Munich Re	2008 Lehman bankruptcy	\$31 million
Newton Re	Catlin	2008 Lehman bankruptcy	\$4 million
Willow	Allstate	2008 Lehman bankruptcy	\$10 million
Muteki Ltd.	Munich Re for Zenkyoren	2011 Tohuku earthquake	\$300 million
Vega Capital	Swiss Re	2011 Tohuku earthquake	\$16 million
Mariah Re	American Family	2011 tornadoes	\$200 million <sup>1</sup>
Vega Capital	Swiss Re	Superstorm Sandy (2012)	\$7 million
Successor X	Swiss Re	Superstorm Sandy (2012)	\$15 million <sup>2</sup>

Most events have been relatively small. Four were counterparty risks related to the Lehman Brothers bankruptcy in 2008.

1 (In litigation) 2 Estimated

Source: Munich Re

# **Questions Arising from Influence of Alternative Capital**



- What Will Happen When Investors Face Large-Scale Losses?
- What Happens When Interest Rates Rise?
- Does ILS Have a Higher Propensity to Litigate?
- How Much Lower Will Risk Premiums Shrink/ROLs Fall?
- Will There Be Spillover Into Casualty Reinsurance?
- Will Alternative Capital Drive Consolidation?



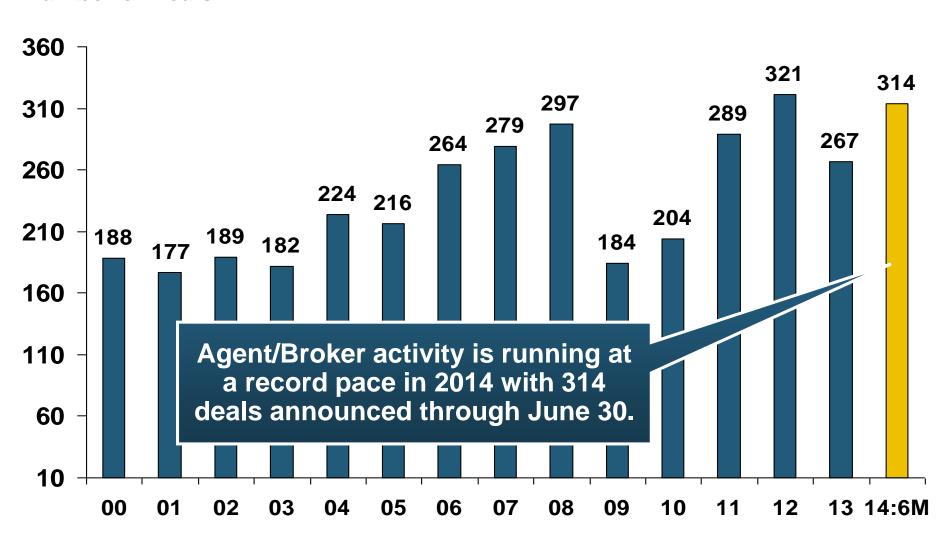
## Agent/Broker Consolidation Trends

# M&A Activity is on the Rise Again in the Aftermath of the Great Recession

## Agent/Broker M&A Deals, 2000-2014:6M



#### **Number of Deals**

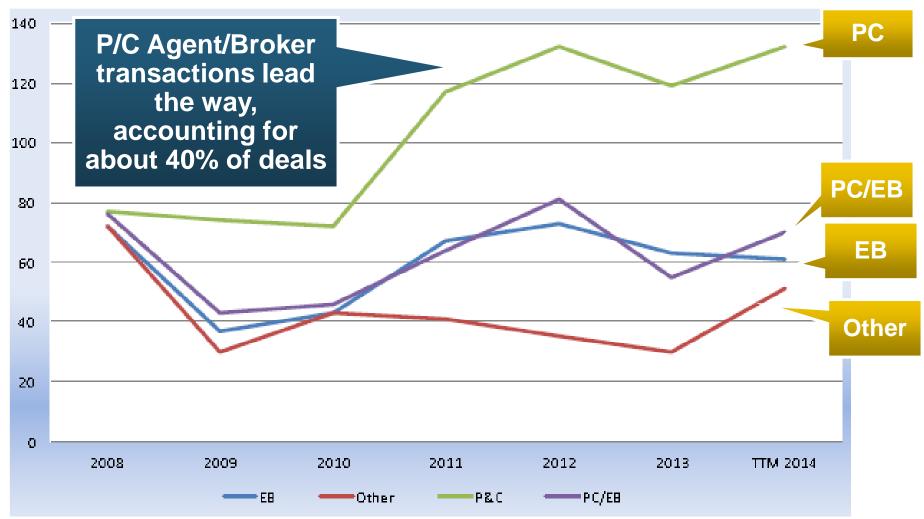


Source: Optis Partners, "Agent-Broker Merger & Acquisition Statistics: The New Normal?", August 2014; Insurance Information Institute.

# Announced Agent/Broker Transactions by Seller Type, 2008-2014:6M



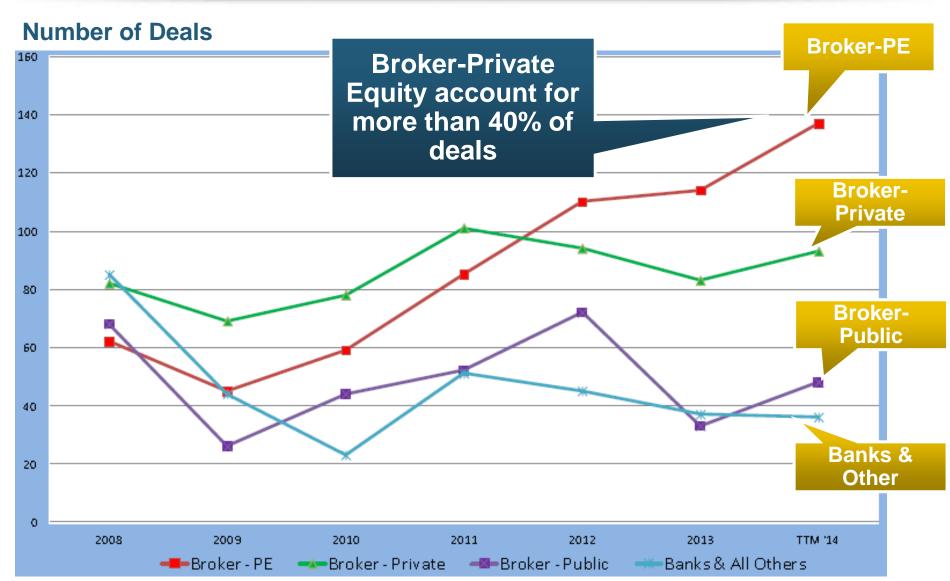




Source: Optis Partners, "Agent-Broker Merger & Acquisition Statistics: The New Normal?", August 2014, Insurance Information Institute.

# Announced Agent/Broker Transactions by Buyer Type, 2008-2014:6M

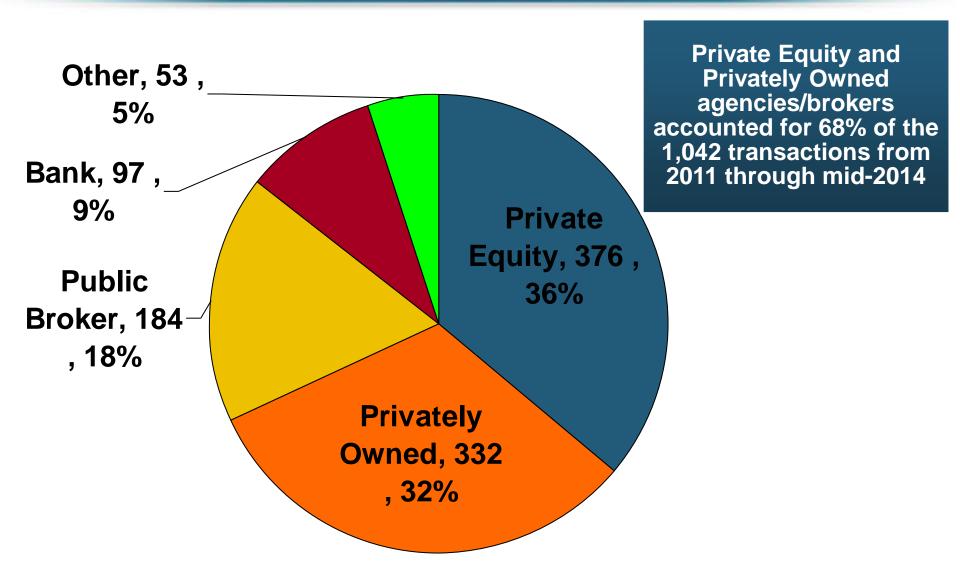




Source: Optis Partners, "Agent-Broker Merger & Acquisition Statistics: The New Normal?", August 2014, Insurance Information Institute.

## Agent/Broker Consolidators by Type, 2011 – 2014:6M

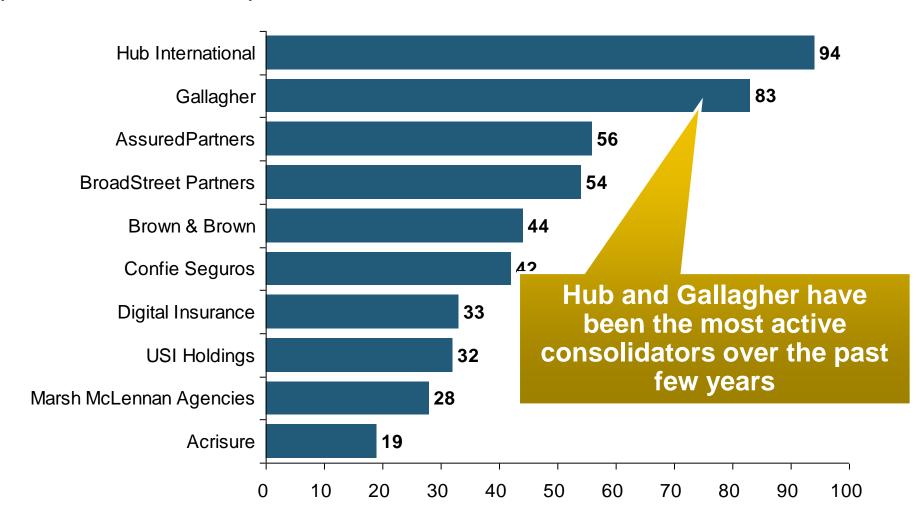




## Top 10 Most Active Agent/Broker Buyers, 2011 – 2014:6M



#### (Number of Transactions)



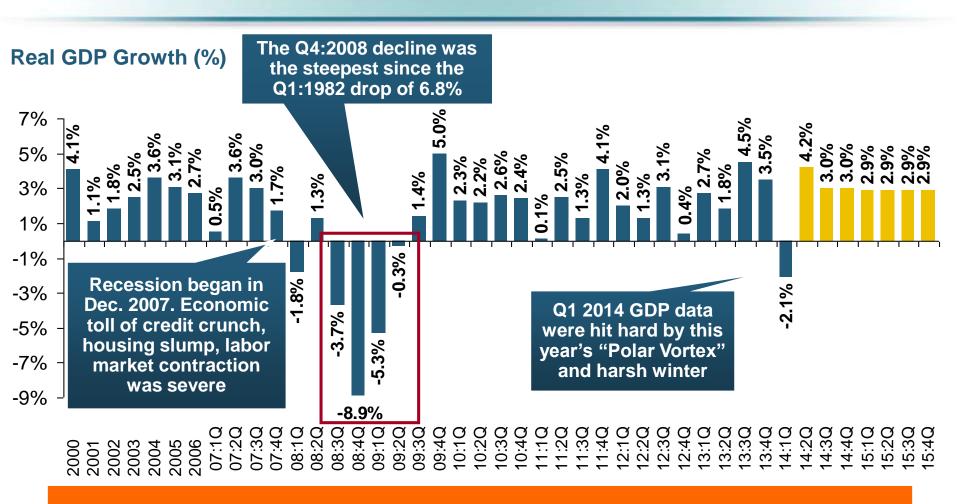


# The Strength of the Economy Will Influence P/C Insurer Growth Opportunities

**Economic Growth in the Northwest Outpace the Overall US** 

## **US Real GDP Growth\***



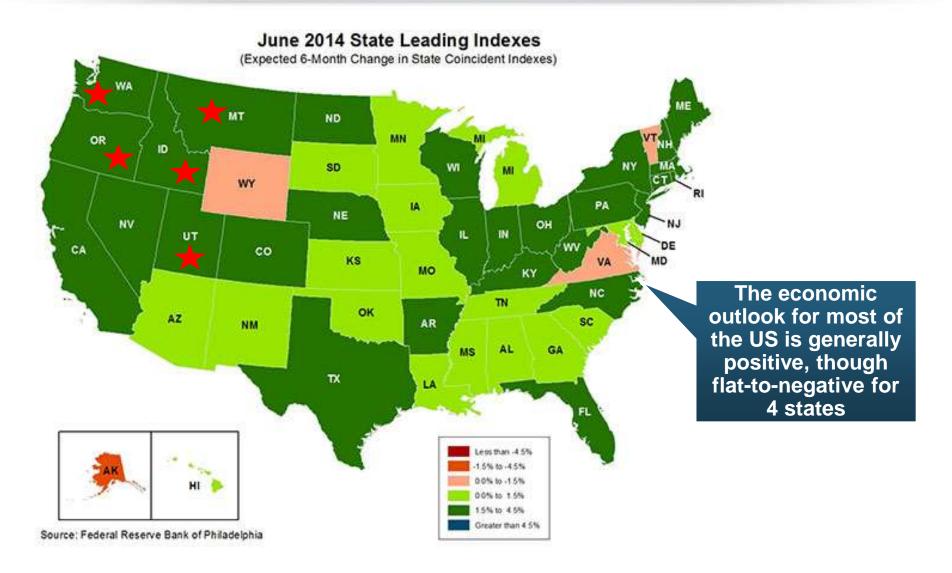


Demand for Insurance Should Increase in 2014/15 as GDP Growth Accelerates Modestly and Gradually Benefits the Economy Broadly

<sup>\*</sup> Estimates/Forecasts from Blue Chip Economic Indicators.

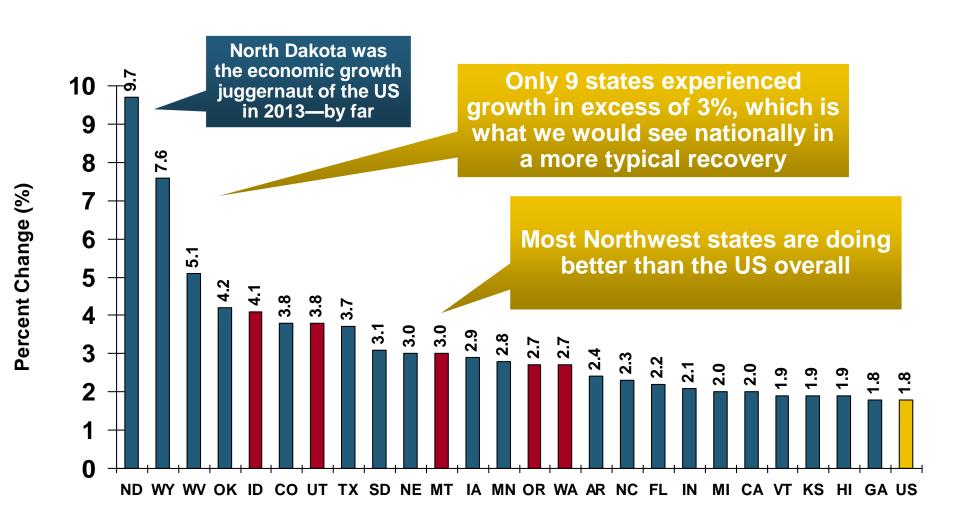
# State-by-State Leading Indicators through 2014:Q4





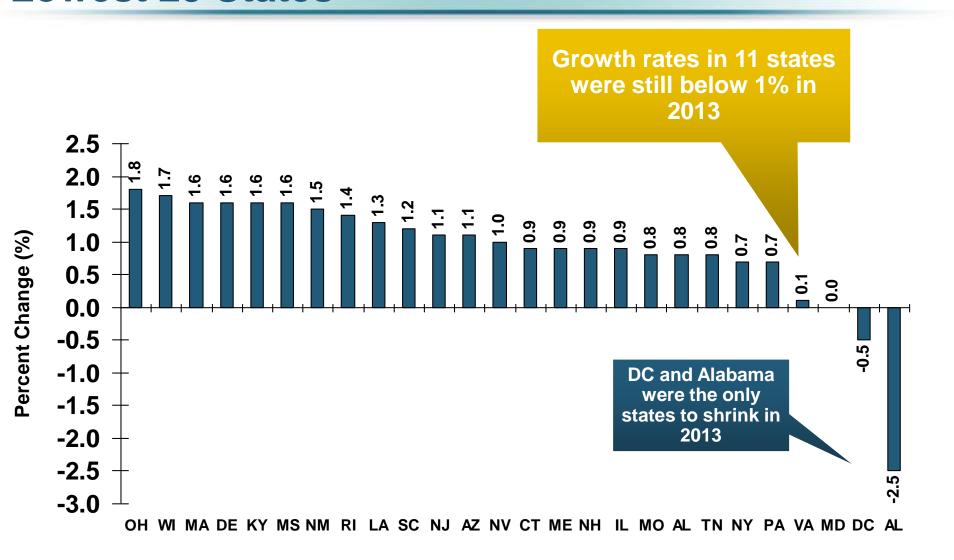
## Real GDP by State Percent Change, 2013: Highest 25 States





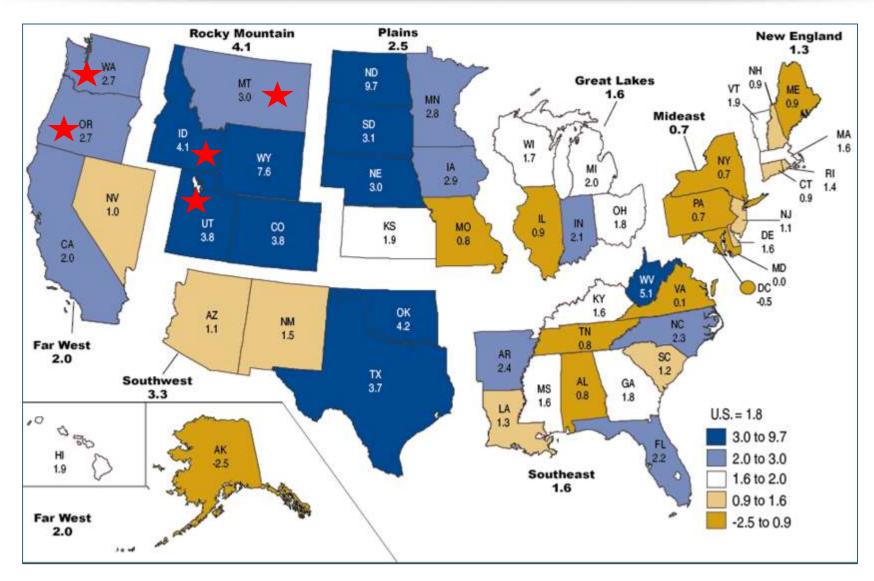
# Real GDP by State Percent Change, 2013: Lowest 25 States





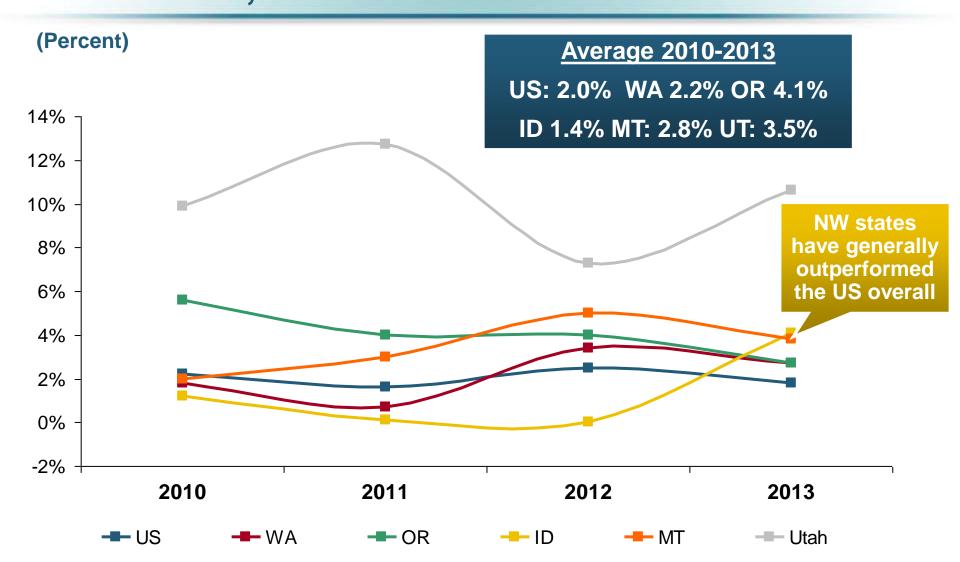
## Percent Change in Real GDP by State, 2013 INSURANCE INFORMATION INSTITUTE





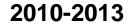
# State GDP Growth: WA, OR, ID, MT and UT vs. U.S., 2010-2013

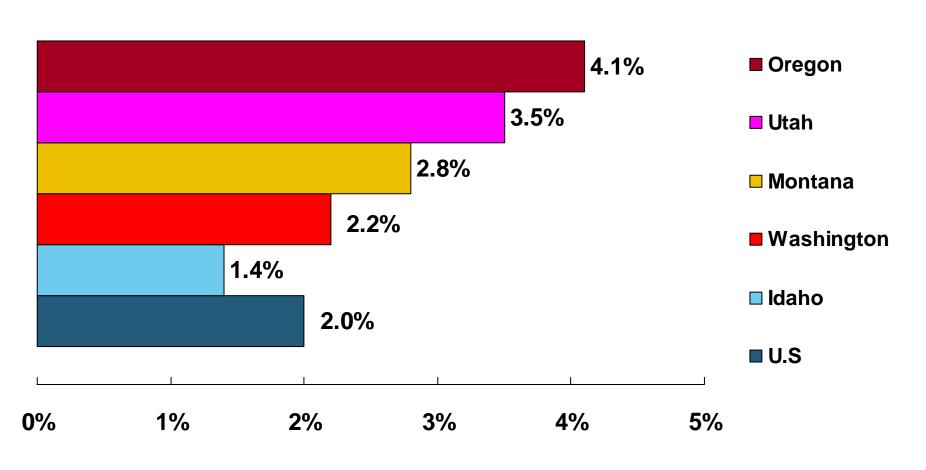




## GDP: 4-Year Average WA, OR, ID, MT and UT vs. U.S.

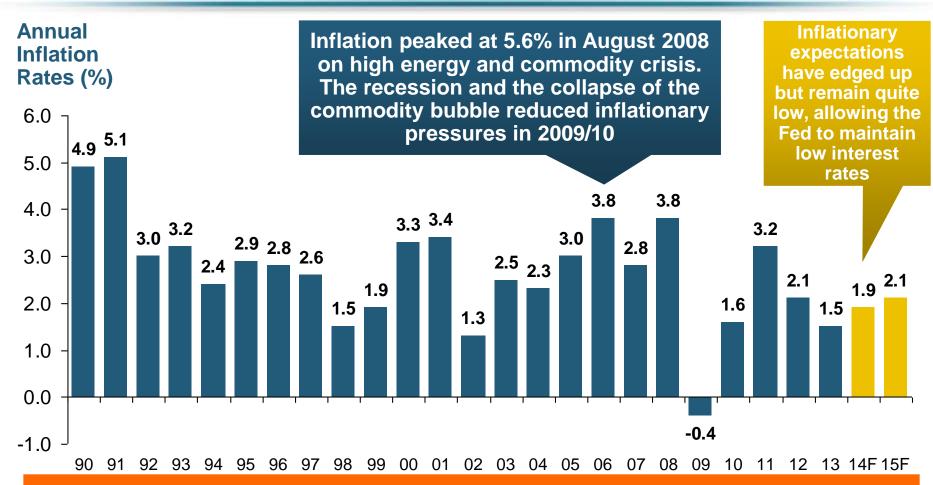






## Annual Inflation Rates, (CPI-U, %), 1990–2015F



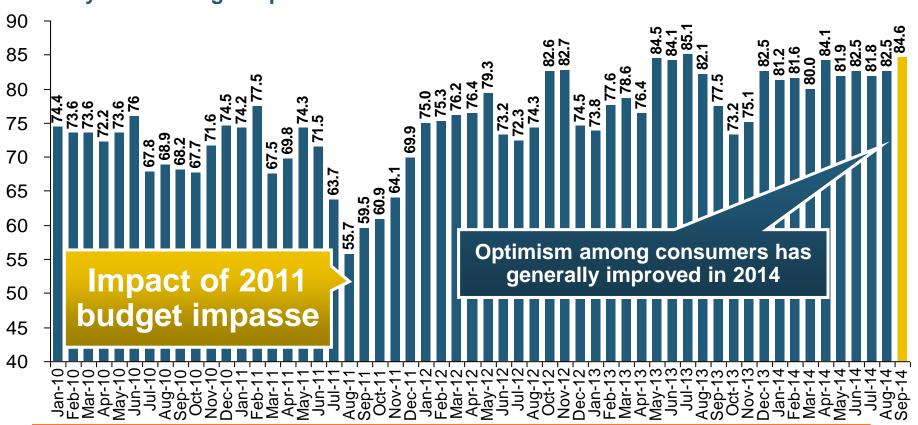


The slack in the U.S. economy suggests that inflationary pressures should remain subdued for an extended period of times. Energy, health care and commodity prices, plus U.S. debt burden, remain longer-run concerns

## **Consumer Sentiment Survey** (1966 = 100)



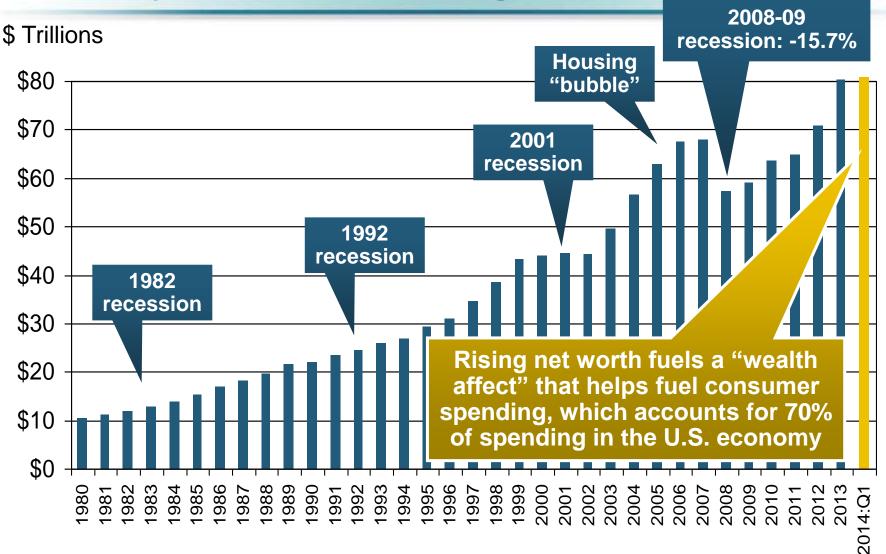




Consumer confidence had been low for years amid high unemployment, falling home prices and other factors adversely impact consumers, but improved substantially over the past 2+ years, though uncertainty in Washington sometimes takes a toll.

## Net Worth of Households\* Recently Hit A Historic High



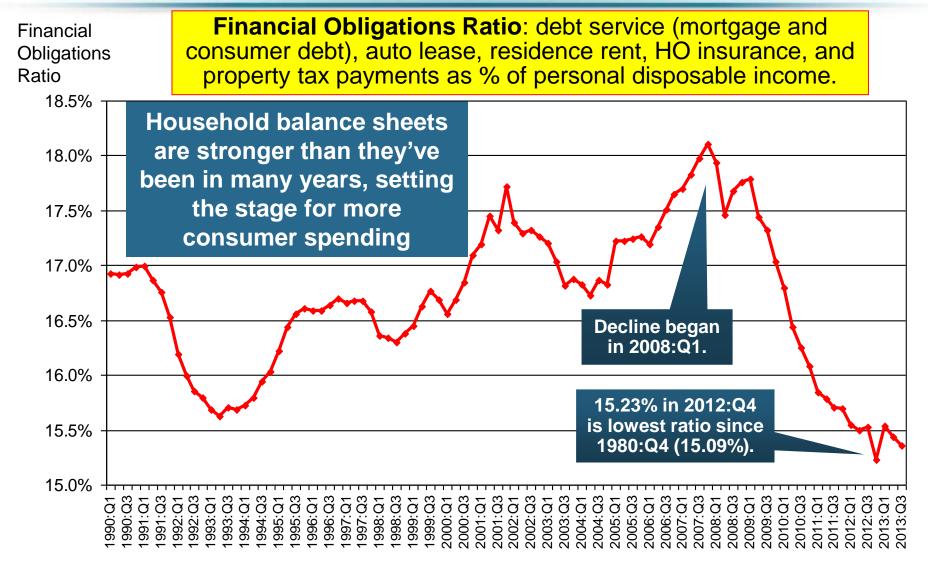


<sup>\*</sup>Includes nonprofit organizations. Data are not seasonally adjusted or inflation-adjusted.

Source: Federal Reserve Board: <a href="http://www.federalreserve.gov/releases/z1/current/z1r-5.pdf">http://www.federalreserve.gov/releases/z1/current/z1r-5.pdf</a>; Insurance Information Institute.

## Household Financial Obligations Ratio Recently Hit A Historic Low



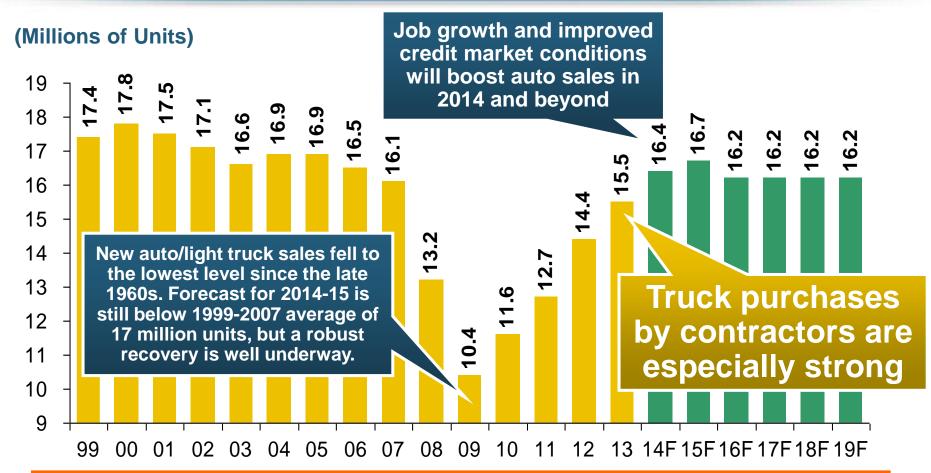


<sup>\*</sup>through 2013:Q3 (data posted on Dec 13, 2013)

Source: Federal Reserve Board, at http://www.federalreserve.gov/releases/housedebt

## Auto/Light Truck Sales, 1999-2019F

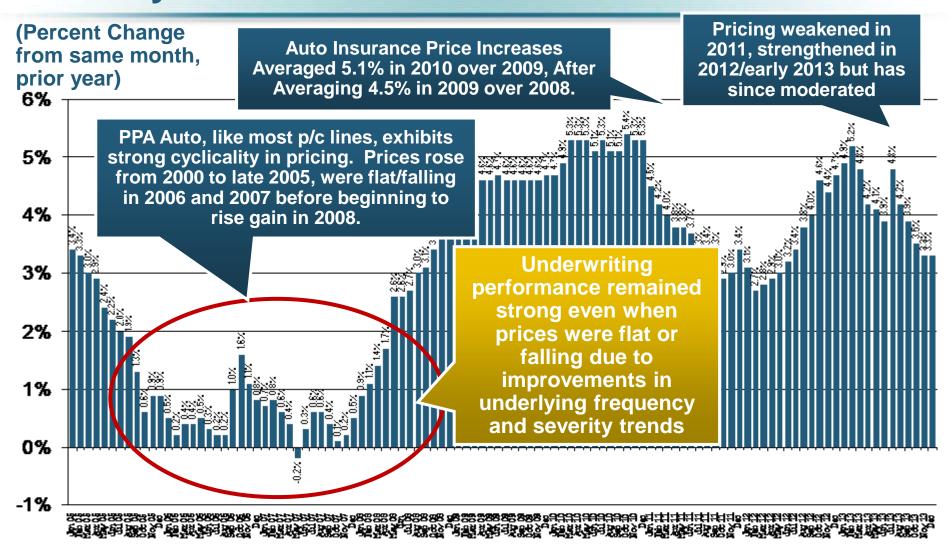




Car/Light Truck Sales Will Continue to Recover from the 2009 Low Point, Bolstering the Auto Insurer Growth and the Manufacturing Sector Along With Workers Comp Exposures

## Monthly Change\* in Auto Insurance Prices, January 2005 - December 2013

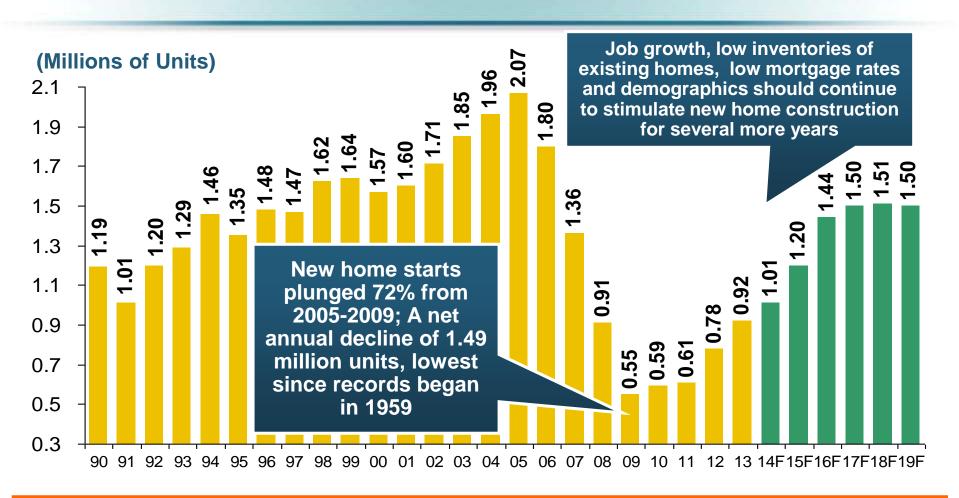




<sup>\*</sup>Percentage change from same month in prior year, seasonally adjusted. Sources: US Bureau of Labor Statistics; Insurance Information Institute

## New Private Housing Starts, 1990-2019F





Insurers Are Continue to See Meaningful Exposure Growth in the Wake of the "Great Recession" Associated with Home Construction: Construction Risk Exposure, Surety, Commercial Auto; Potent Driver of Workers Comp Exposure

# Interest Rate on Convention 30-Year Mortgages: Up a Bit, 1990–2014\*





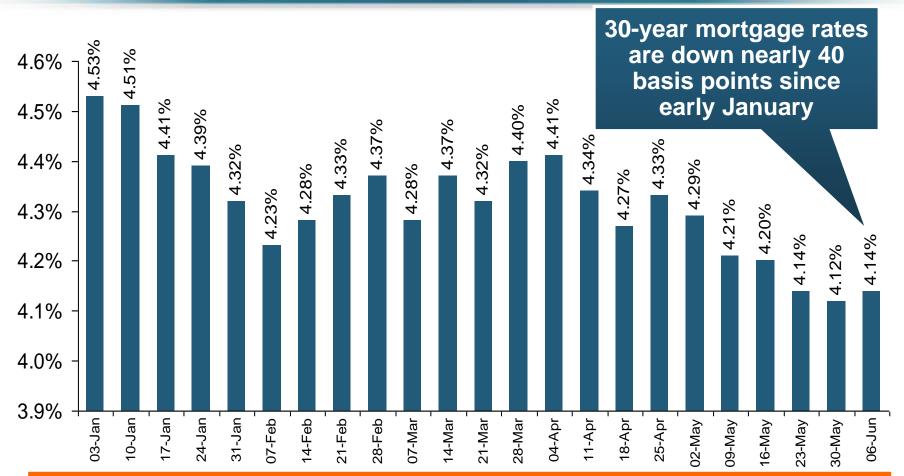
'90 '91 '92 '93 '94 '95 '96 '97 '98 '99 '00 '01 '02 '03 '04 '05 '06 '07 '08 '09 '10 '11 '12 '13 '14

Rising mortgage interest rates have impacted home sales but are unlikely to derail the recovery on housing

<sup>\*</sup>Monthly, through June 2014. Note: Recessions indicated by gray shaded columns. Sources: Federal Reserve Bank at http://www.federalreserve.gov/releases/h15/data.htm.

# 30-Year Mortgages in 2014 Are Falling! What Will Be the Impact on Construction?





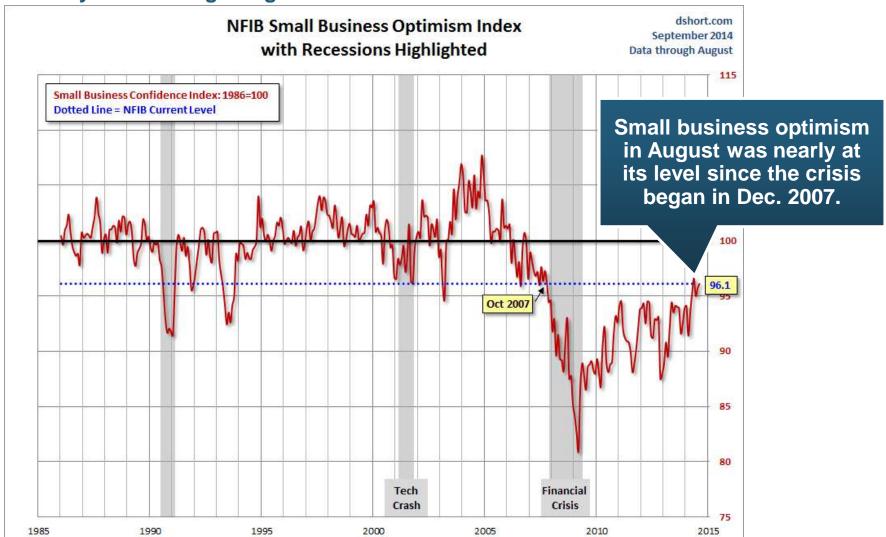
Mortgage Interest Rates Were Expected to Continue to Rise as the Fed Pursued Tapering and the Economy Recovered; Rates Are Still Low by Historical Standards

<sup>\*</sup>Weekly through June 5, 2014.

#### **NFIB Small Business Optimism Index**



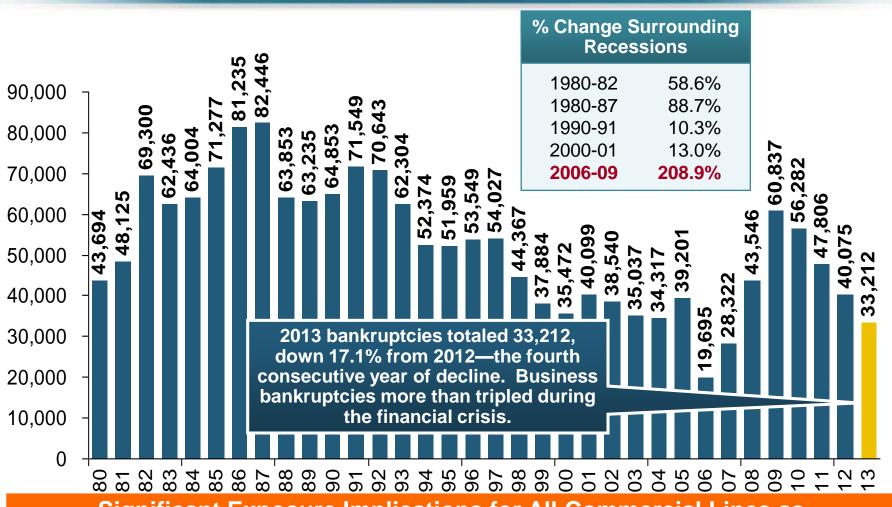
#### January 1985 through August 2014



Source: National Federation of Independent Business at <a href="http://www.advisorperspectives.com/dshort/charts/indicators/Sentiment.html?NFIB-optimism-index.gif">http://www.advisorperspectives.com/dshort/charts/indicators/Sentiment.html?NFIB-optimism-index.gif</a>; Insurance Information Institute.

#### **Business Bankruptcy Filings**, 1980-2013



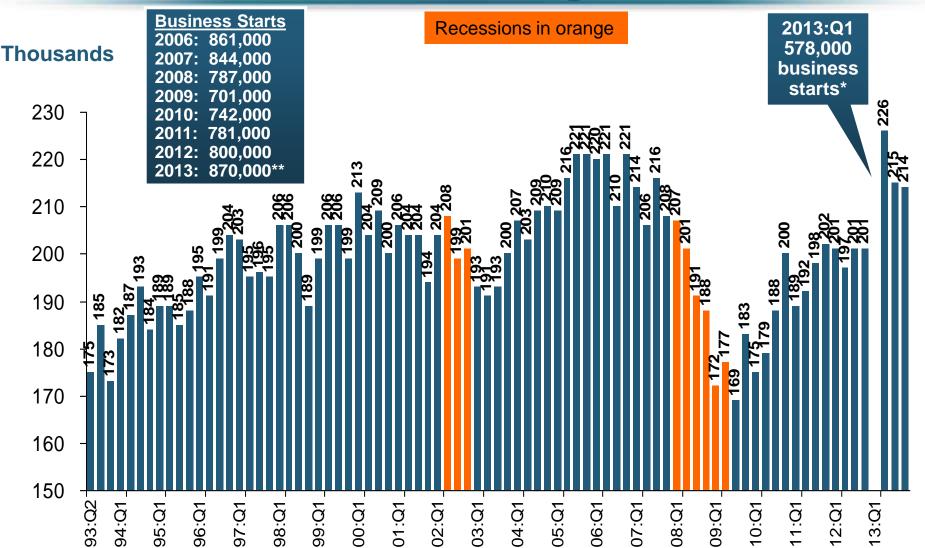


Significant Exposure Implications for All Commercial Lines as Business Bankruptcies Begin to Decline

Sources: American Bankruptcy Institute (1980-2012) at <a href="http://www.abiworld.org/AM/AMTemplate.cfm?Section=Home&TEMPLATE=/CM/ContentDisplay.cfm&CONTENTID=61633">http://www.abiworld.org/AM/AMTemplate.cfm?Section=Home&TEMPLATE=/CM/ContentDisplay.cfm&CONTENTID=61633</a>; 2013 data from United States Courts at <a href="http://news.uscourts.gov">http://news.uscourts.gov</a>; Insurance Information Institute.

#### Private Sector Business Starts: 1993:Q2 – 2013:Q4\* As Strong as Ever?





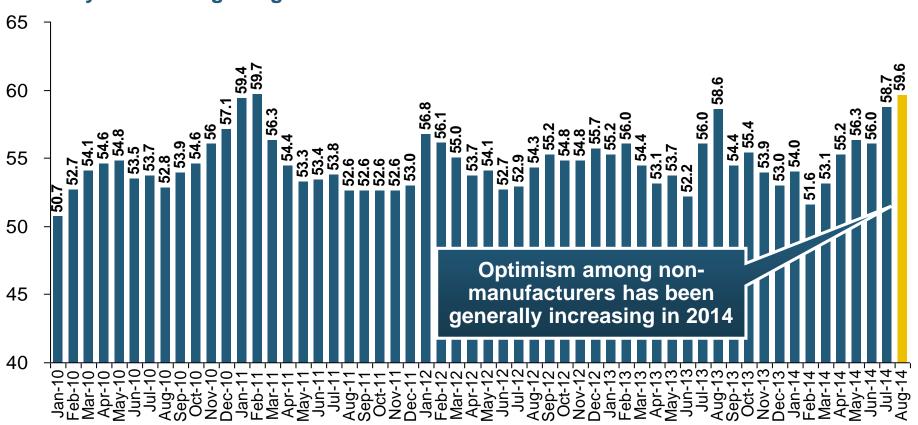
\*Data posted Apr 29, 2014, the latest available; a classification change in 2013:Q1 resulted in a report of 578,000 businesses started in that quarter. Seasonally adjusted. \*\*2014 number assumes 1st quarter equaled average of other three quarters

Sources: Bureau of Labor Statistics, <a href="http://www.bls.gov/news.release/cewbd.t08.htm">http://www.bls.gov/news.release/cewbd.t08.htm</a>. NBER (recession dates)

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



January 2010 through August 2014



Non-manufacturing industries have been expanding and adding jobs. This trend is likely to continue through 2014.

#### 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, Pipelines)

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

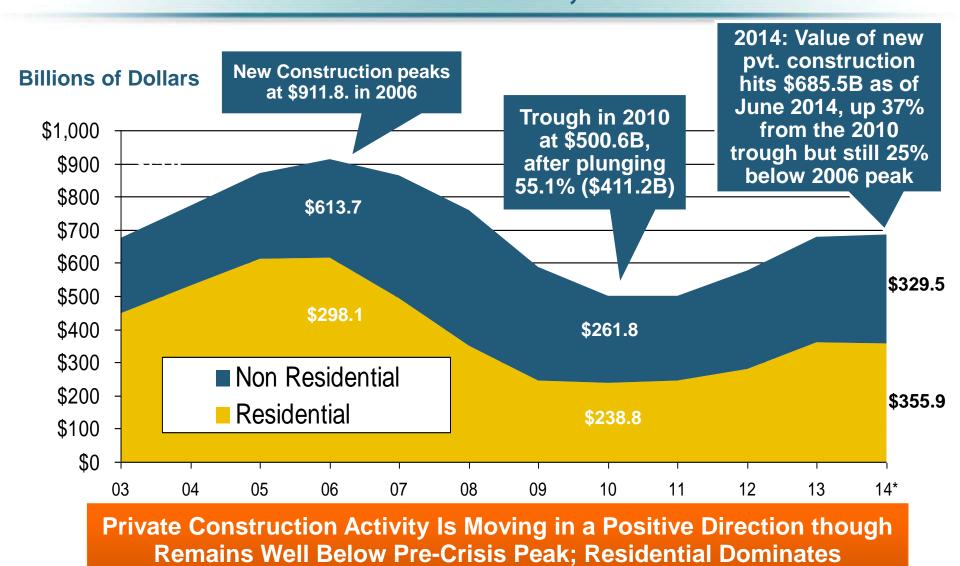


# CONSTRUCTION INDUSTRY OVERVIEW & OUTLOOK

The Construction Sector Is Critical to the Economy and the P/C Insurance Industry

#### Value of New Private Construction: Residential & Nonresidential, 2003-2014\*



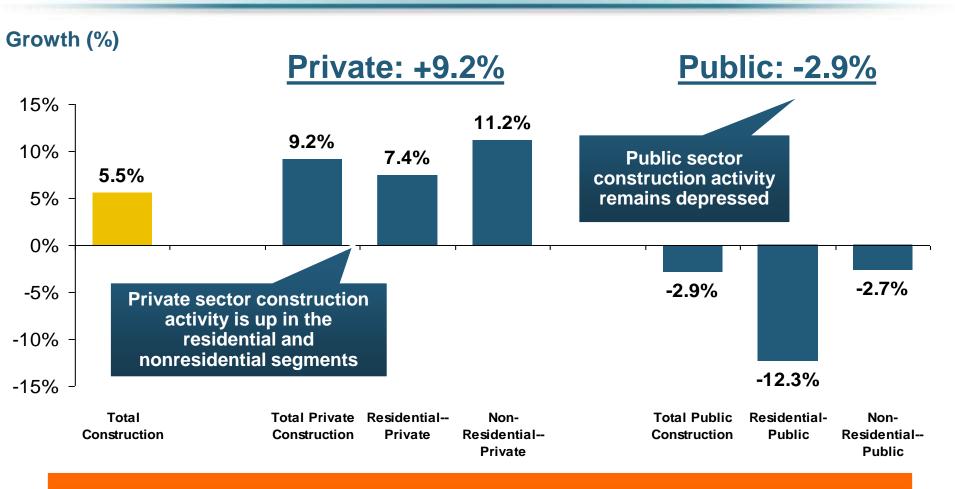


<sup>\*2014</sup> figure is a seasonally adjusted annual rate as of June.

Sources: US Department of Commerce; Insurance Information Institute.

#### Value of Construction Put in Place, June 2014 vs. June 2013\*



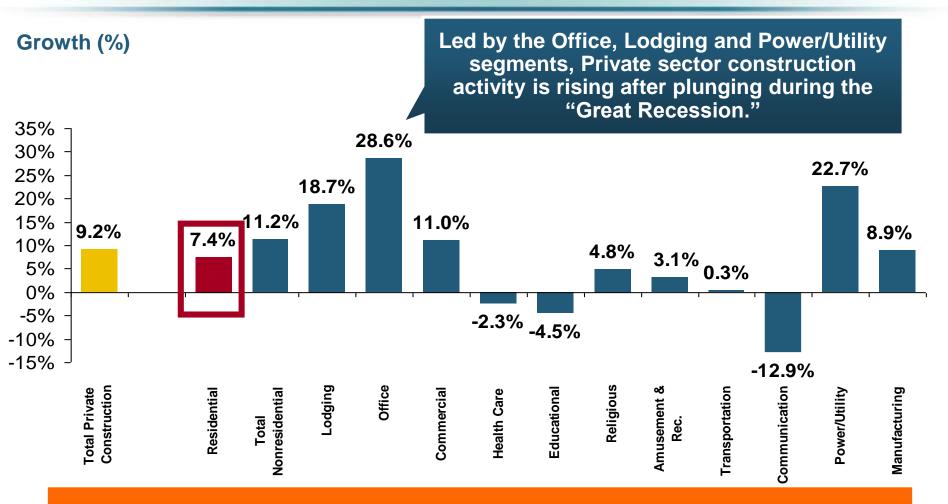


Overall Construction Activity is Up, But Growth Is Almost Entirely in the Private Sector as State/Local Government Budget Woes Continue

<sup>\*</sup>seasonally adjusted Source: U.S. Census Bureau, <a href="http://www.census.gov/construction/c30/c30index.html">http://www.census.gov/construction/c30/c30index.html</a>; Insurance Information Institute.

#### Value of Private Construction Put in Place, by Segment, June 2014 vs. June 2013\*



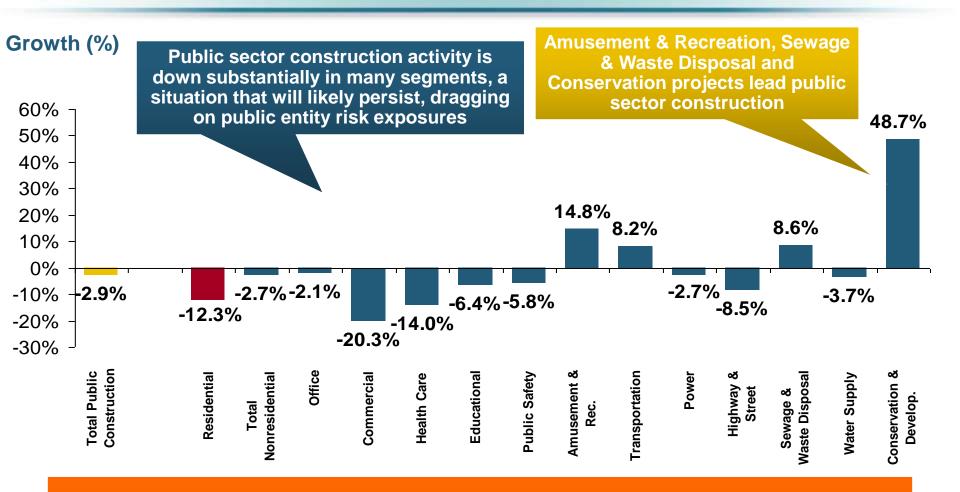


Private Construction Activity is Up in Many Segments, Including the Key Residential Construction Sector; Bodes Well for the Remainder of 2014

<sup>\*</sup>seasonally adjusted Source: U.S. Census Bureau, <a href="http://www.census.gov/construction/c30/c30index.html">http://www.census.gov/construction/c30/c30index.html</a>; Insurance Information Institute.

#### Value of Public Construction Put in Place, by Segment, June 2014 vs. June 2013\*





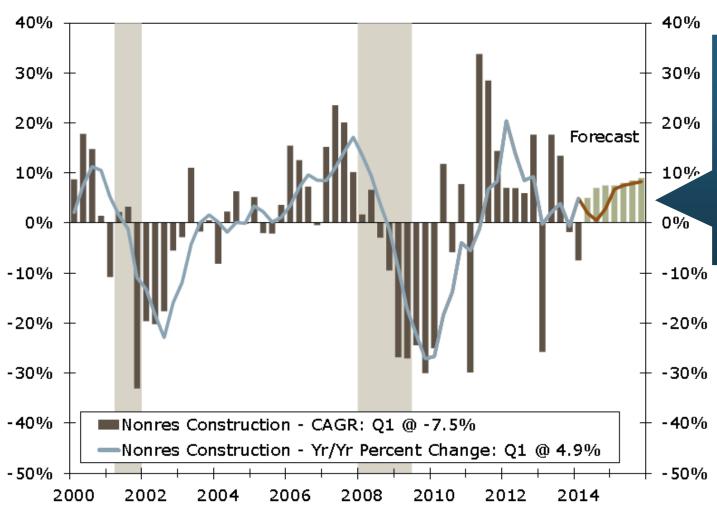
Public Construction Activity is Down in Many Segments as State and Local Budgets Remain Under Stress; Improvement Possible in 2015.

<sup>\*</sup>seasonally adjusted Source: U.S. Census Bureau, <a href="http://www.census.gov/construction/c30/c30index.html">http://www.census.gov/construction/c30/c30index.html</a>; Insurance Information Institute.

#### Real (Inflation-Adjusted) Nonresidential Construction, 2000-2014\*



(Bar = CAGR; Line = Y/Y Growth Rate)



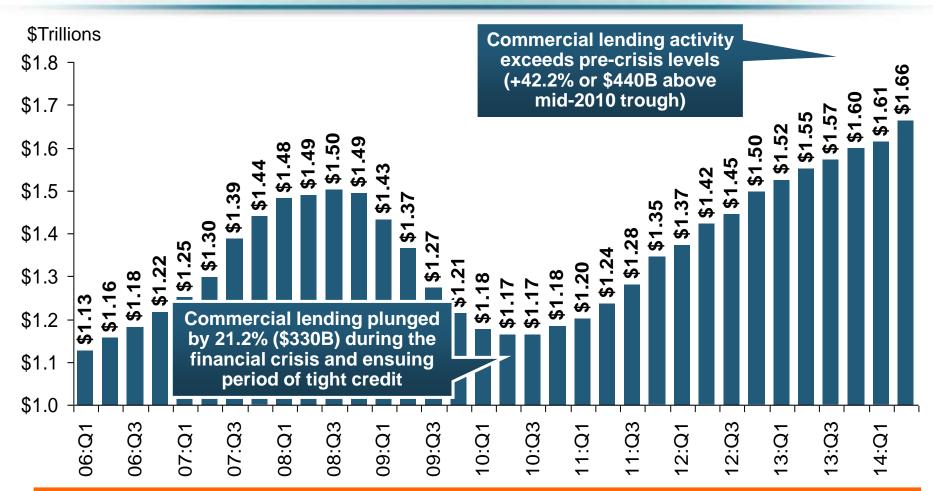
Construction activity
has generally been
positive since late
2010 but has
occasionally be
erratic. Forecast is
for slowing
improving growth

Source: US Dept. of Commerce; Wells Fargo Securities (June 6, 2014 research report).

<sup>\*</sup>Through Q1 2014.

#### Commercial & Industrial Loans Outstanding at FDIC-Insured Banks, Quarterly, 2006-2014:Q2



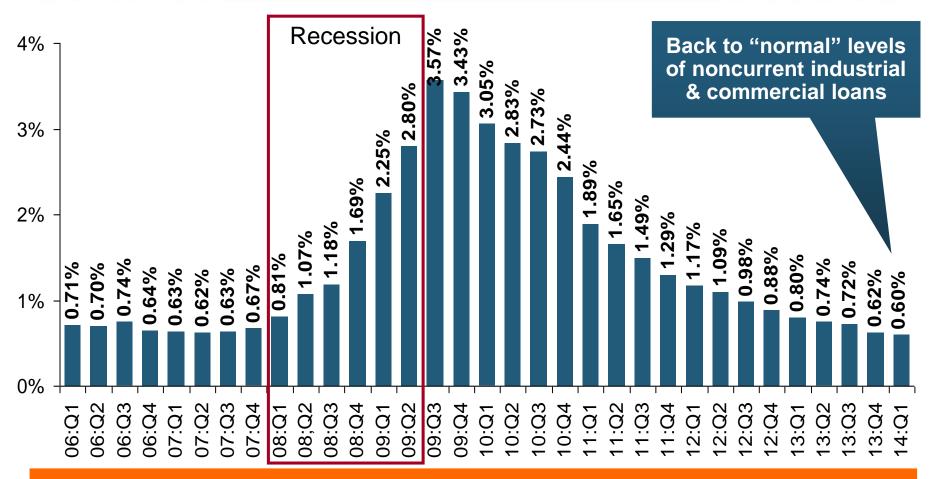


Outstanding Commercial Loan Volume Has Been Growing for Over 3 Years and Is Now Nearly Back to Early Recession Levels. Bodes Very Well for the Creation of Current and Future Commercial Insurance Exposures

#### Percent of Non-current Commercial & Industrial Loans Outstanding at FDIC-Insured Banks,



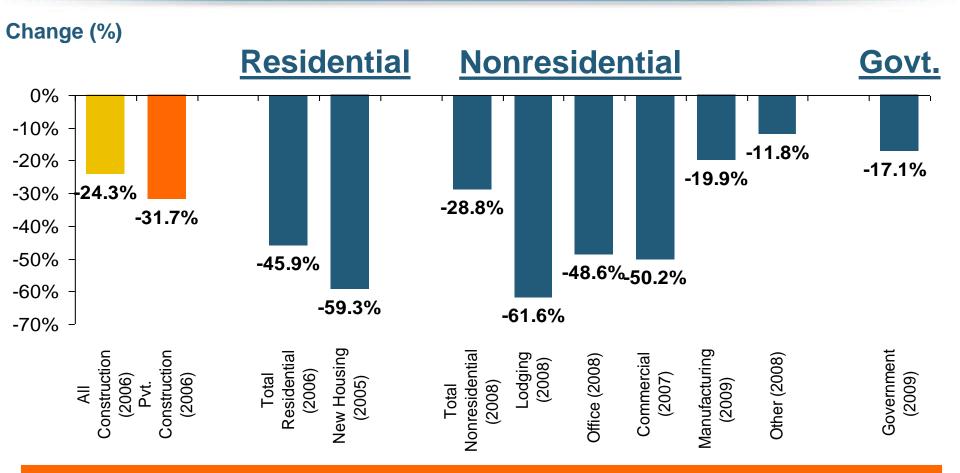
Quarterly, 2006-2014:Q1



Non-current loans (those past due 90 days or more or in nonaccrual status) are below even pre-recession levels, fueling bank willingness to lend.

### Change from Peak in New Construction Expenditures to 2013\*





Despite Recent Improvements, Construction Activity (and Employment)
Remains Far Below Pre-Crisis Peaks

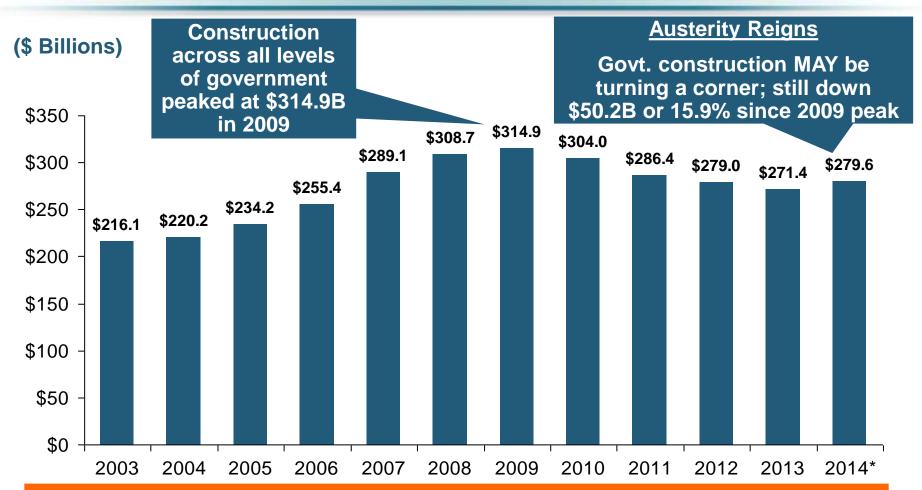
Note: Year in parentheses is the year of peak expenditure.

Sources: US Department of Commerce; Insurance Information Institute.

<sup>\*2013</sup> figure is a seasonally adjusted annual rate as of June.

#### Value of New Federal, State and Local Government Construction: 2003-2014\*



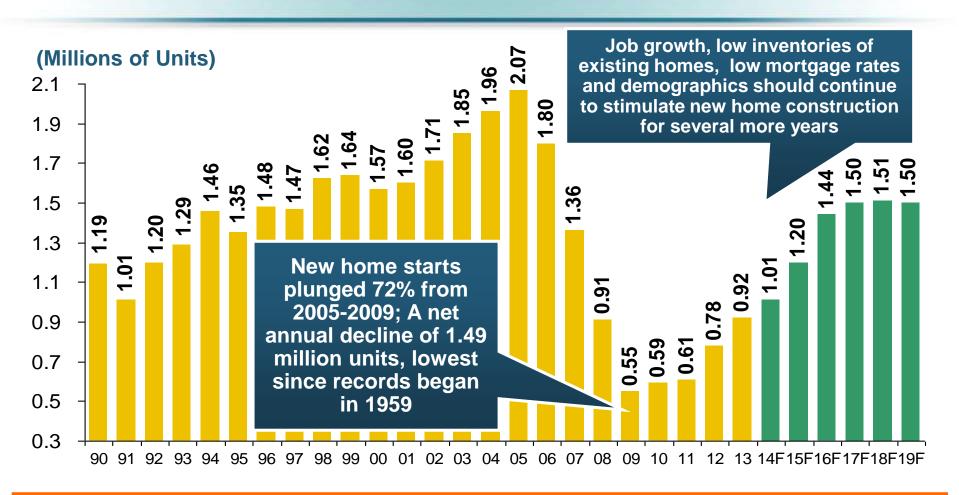


Government Construction Spending Peaked in 2009, Helped by Stimulus Spending, but Contracted As State/Local Governments Grappled with Deficits and Federal Sequestration

<sup>\*2014</sup> figure is a seasonally adjusted annual rate as of July; <a href="http://www.census.gov/construction/c30/historical\_data.html">http://www.census.gov/construction/c30/historical\_data.html</a> Sources: US Department of Commerce; Insurance Information Institute.

#### New Private Housing Starts, 1990-2019F





Insurers Are Continue to See Meaningful Exposure Growth in the Wake of the "Great Recession" Associated with Home Construction: Construction Risk Exposure, Surety, Commercial Auto; Potent Driver of Workers Comp Exposure

## Construction Employment, Jan. 2010—August 2014\*



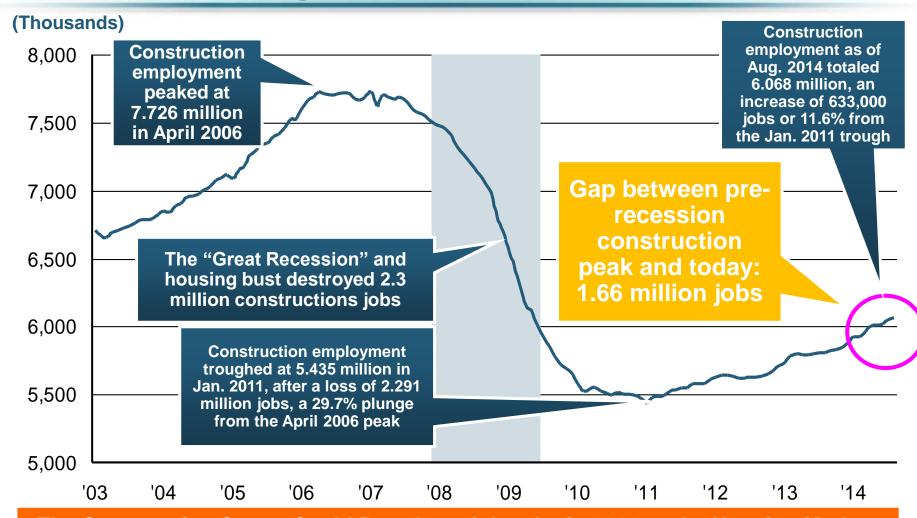


Construction and manufacturing employment constitute 1/3 of all WC payroll exposure.

<sup>\*</sup>Seasonally adjusted.

## Construction Employment, Jan. 2003–August 2014



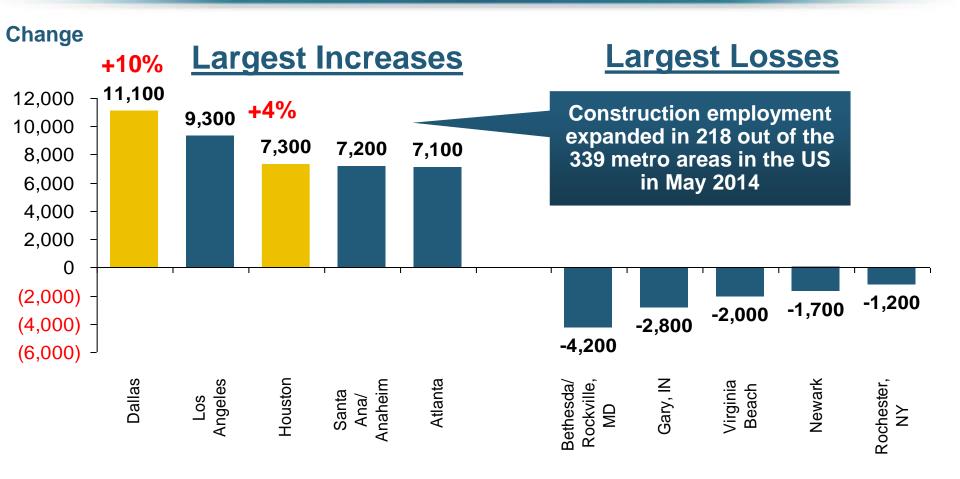


The Construction Sector Could Be a Growth Leader in 2014 as the Housing Market, Private Investment and Govt. Spending Recover. WC Insurers Will Benefit.

Note: Recession indicated by gray shaded column.

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

## Construction Jobs: Largest Gains & Losses by Metro Area, May 2014 vs. May 2013\* Illinstitute

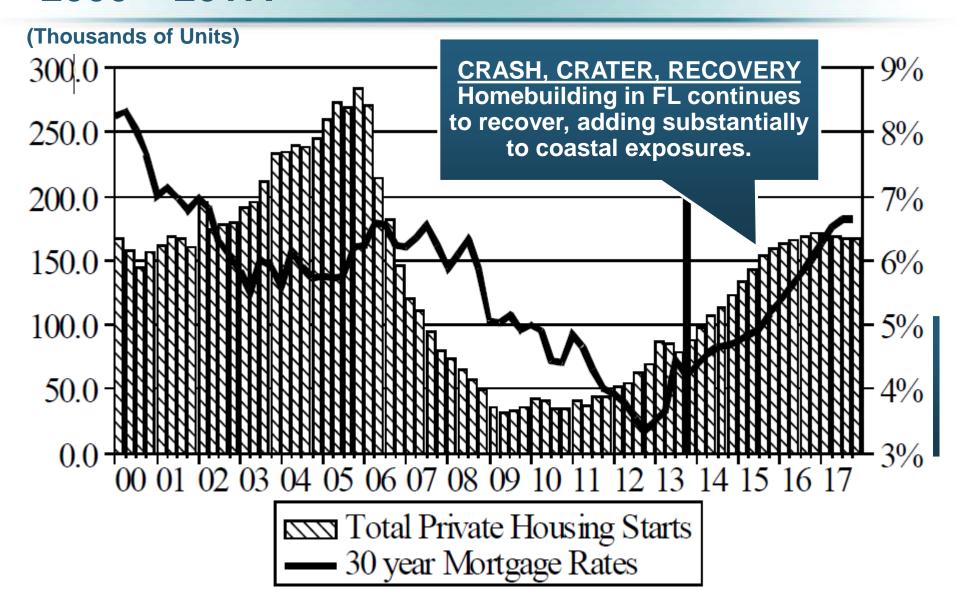


Construction Employment Is Expanding—Albeit Modestly—in Much of the US

<sup>\*</sup>Seasonally adjusted;

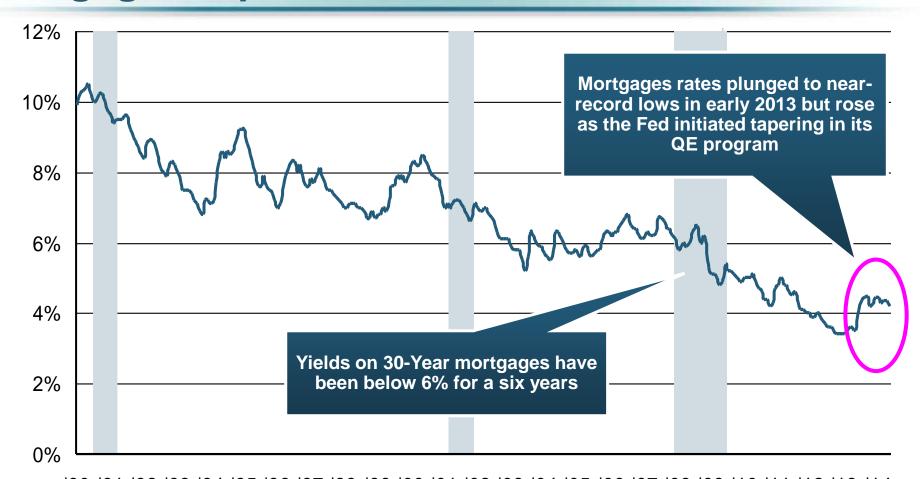
#### Florida Total Private Housing Starts, 2000 – 2017F





#### Interest Rate on Convention 30-Year Mortgages: Up a Bit, 1990–2014\*





'90 '91 '92 '93 '94 '95 '96 '97 '98 '99 '00 '01 '02 '03 '04 '05 '06 '07 '08 '09 '10 '11 '12 '13 '14

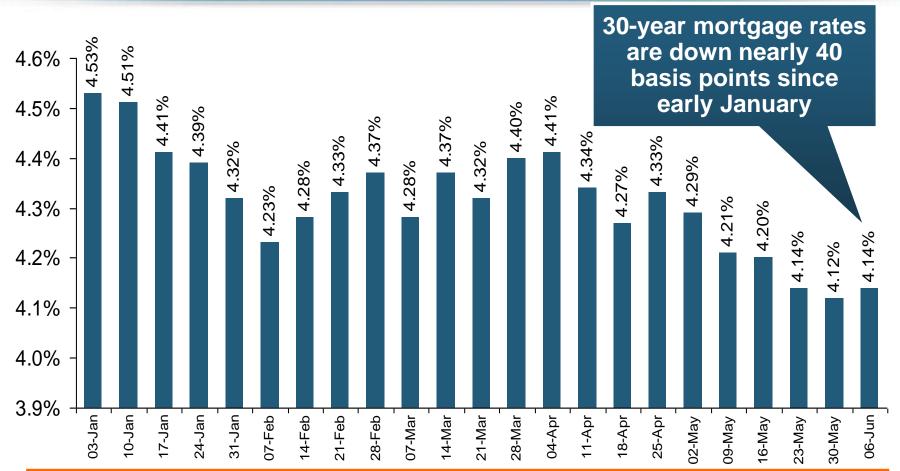
Rising mortgage interest rates have impacted home sales but are unlikely to derail the recovery on housing

Sources: Federal Reserve Bank at <a href="http://www.federalreserve.gov/releases/h15/data.htm">http://www.federalreserve.gov/releases/h15/data.htm</a>. National Bureau of Economic Research (recession dates); Insurance Information Institutes.

<sup>\*</sup>Monthly, through May 2014. Note: Recessions indicated by gray shaded columns.

#### 30-Year Mortgages in 2014 Are Falling! What Will Be the Impact on Construction?





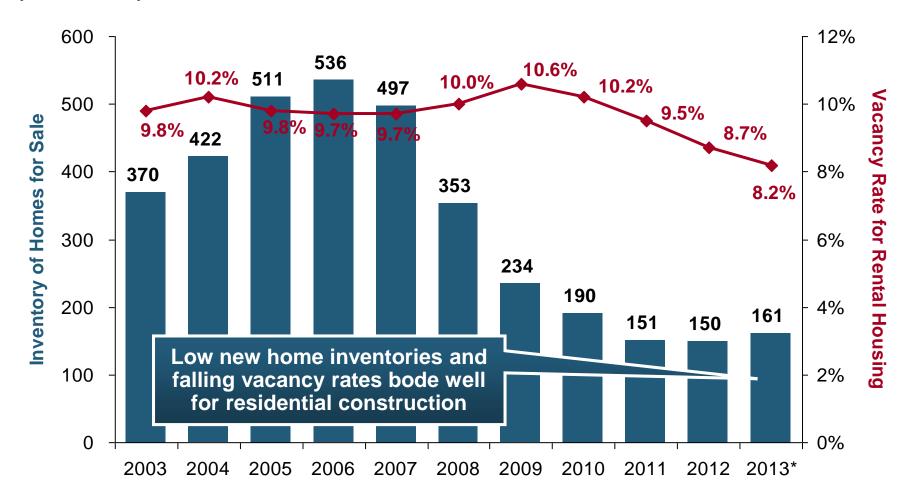
Mortgage Interest Rates Were Expected to Continue to Rise as the Fed Pursued Tapering and the Economy Recovered; Rates Are Still Low by Historical Standards

<sup>\*</sup>Weekly through June 5, 2014.

## New Home Inventories and Rental Vacancy Rates, 2003-2013\*



#### (Thousands)

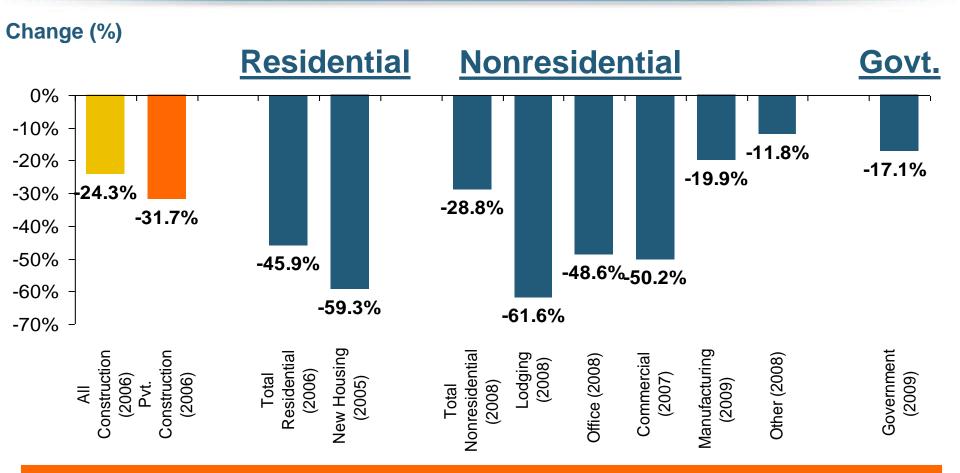


<sup>\*2013</sup> figure is a seasonally adjusted annual rate as of June.

Sources: US Department of Commerce; Insurance Information Institute.

### Change from Peak in New Construction Expenditures to 2013\*





Despite Recent Improvements, Construction Activity (and Employment)
Remains Far Below Pre-Crisis Peaks

Note: Year in parentheses is the year of peak expenditure.

Sources: US Department of Commerce; Insurance Information Institute.

<sup>\*2013</sup> figure is a seasonally adjusted annual rate as of June.



# ENERGY SECTOR: OIL, GAS & INFRASTRUCTURE IS BRIGHT

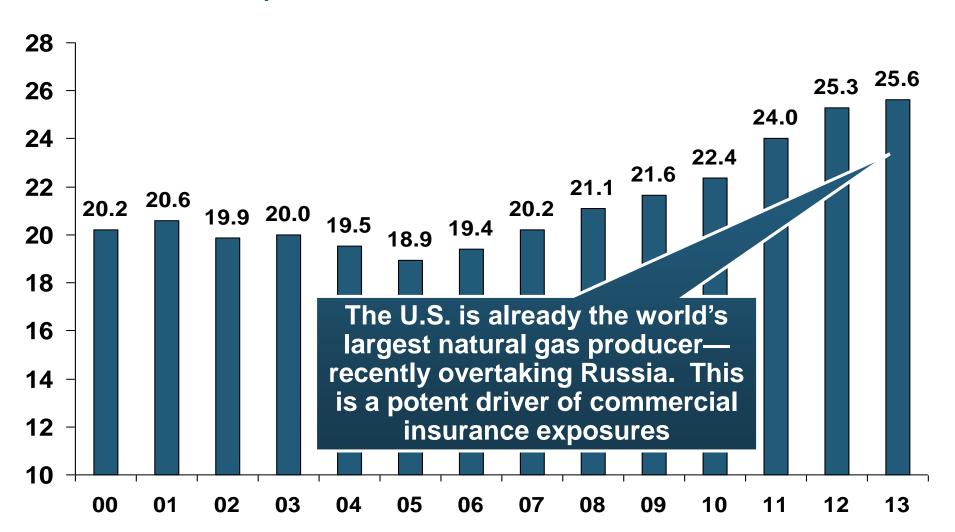
US Is Becoming an Energy Powerhouse; Domestic Demand and Exports Are Key

Need Infrastructure Investment

#### U.S. Natural Gas Production, 2000-2013



#### **Trillions of Cubic Ft. per Year**

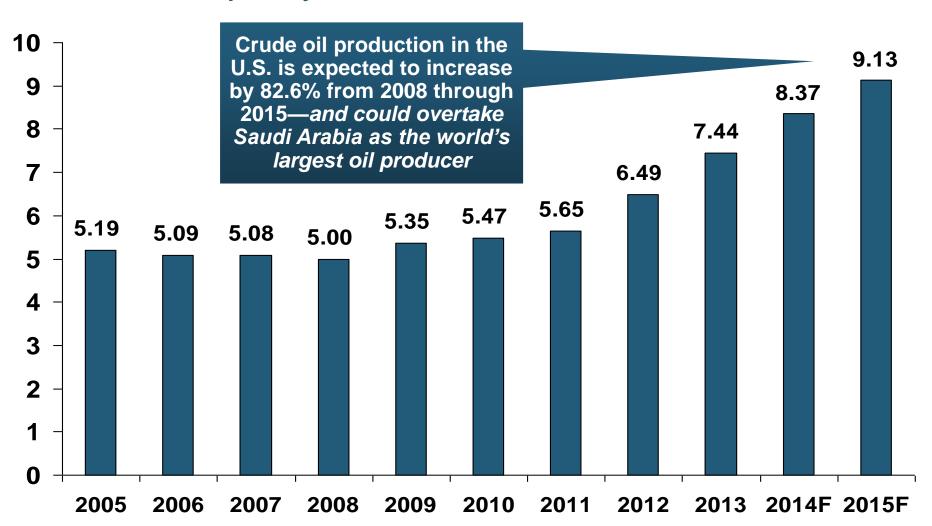


Source: Energy Information Administration, Short-Term Energy Outlook (April 8, 2014), Insurance Information Institute.

#### U.S. Crude Oil Production, 2005-2015P



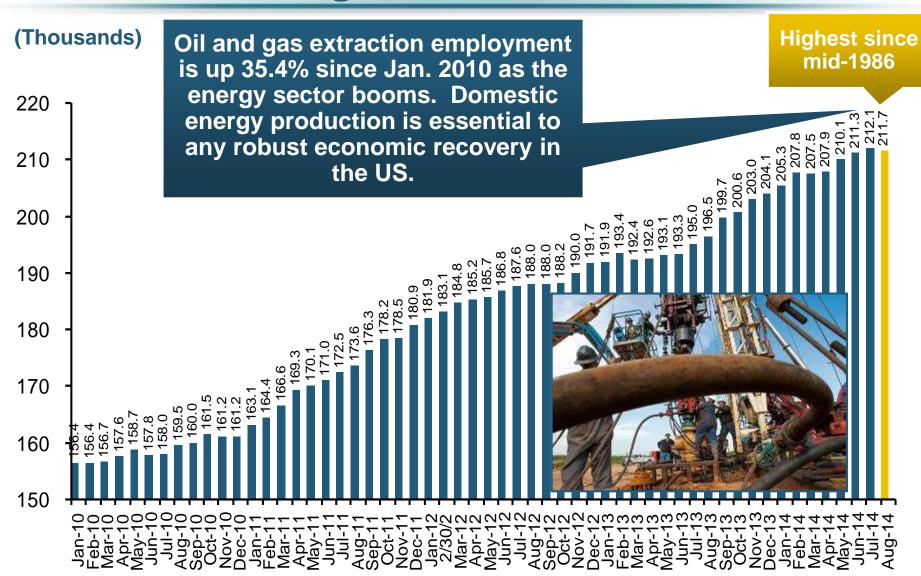
#### Millions of Barrels per Day



Source: Energy Information Administration, Short-Term Energy Outlook (April 8, 2014), Insurance Information Institute.

## Oil & Gas Extraction Employment, Jan. 2010—August 2014\*

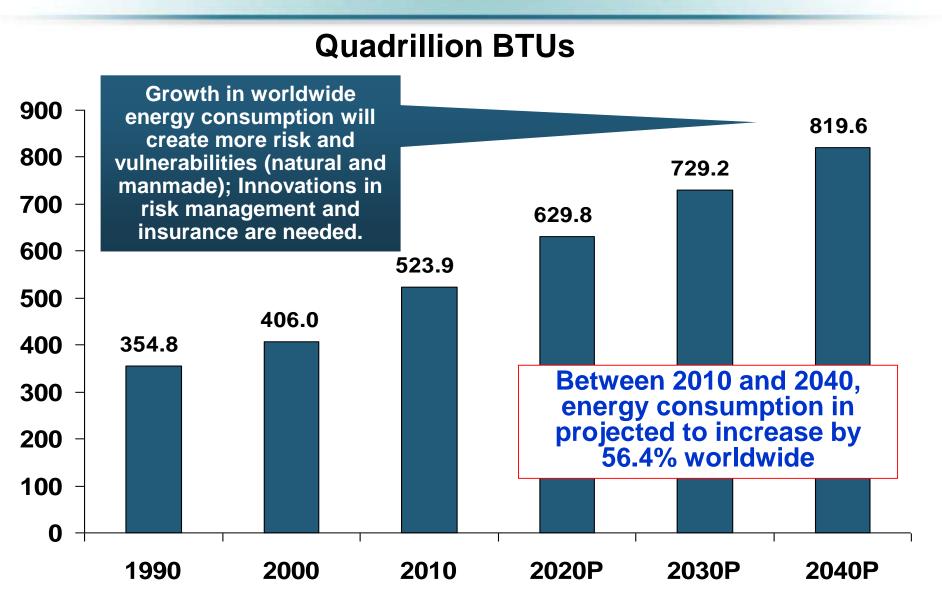




<sup>\*</sup>Seasonally adjusted

#### World Primary Energy Consumption, 1990-2040P

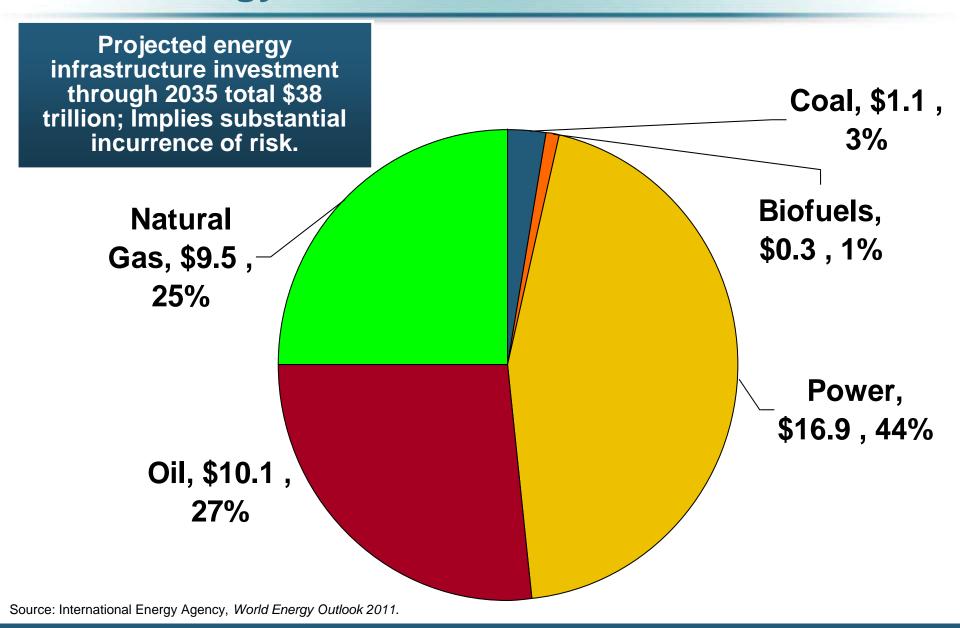




Source: Energy Information Administration, 2013 International Energy Outlook, Insurance Information Institute.

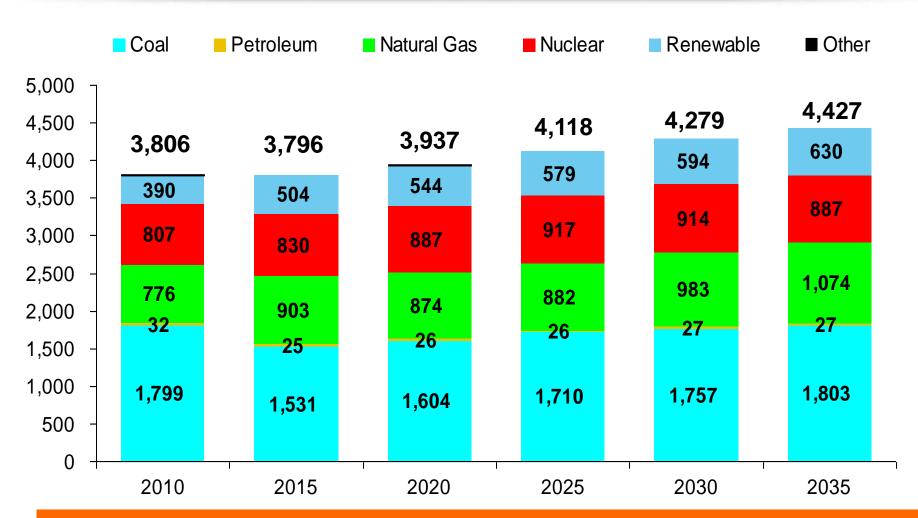
### Cumulative Projected Investment in Global Energy Infrastructure, 2011-2035 (\$ Trill.)





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

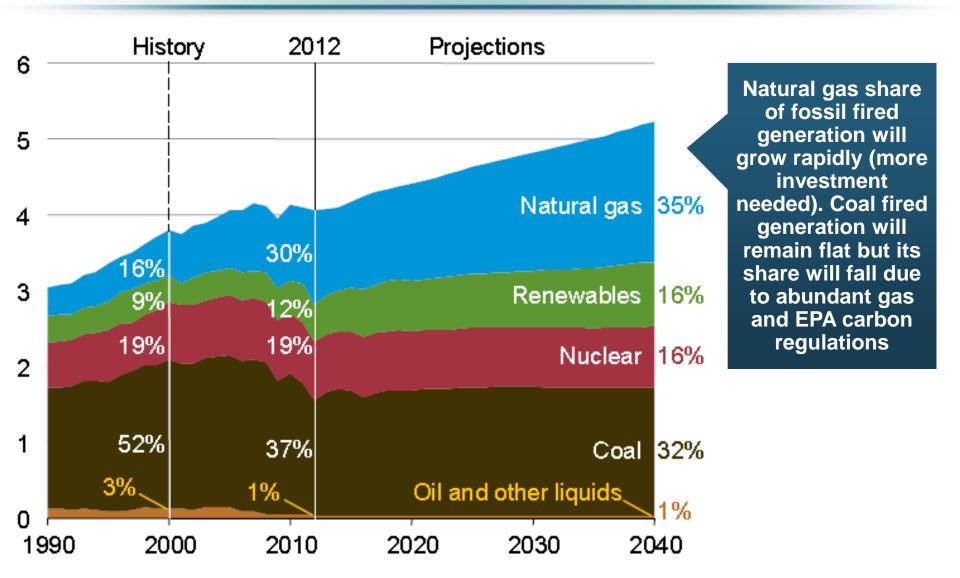




Demand for Electricity Is Expected to Grow at a 0.6% Annual Rate Through 2035. Renewables and Natural Gas Will Account for an Increasing Share of Fuel Source

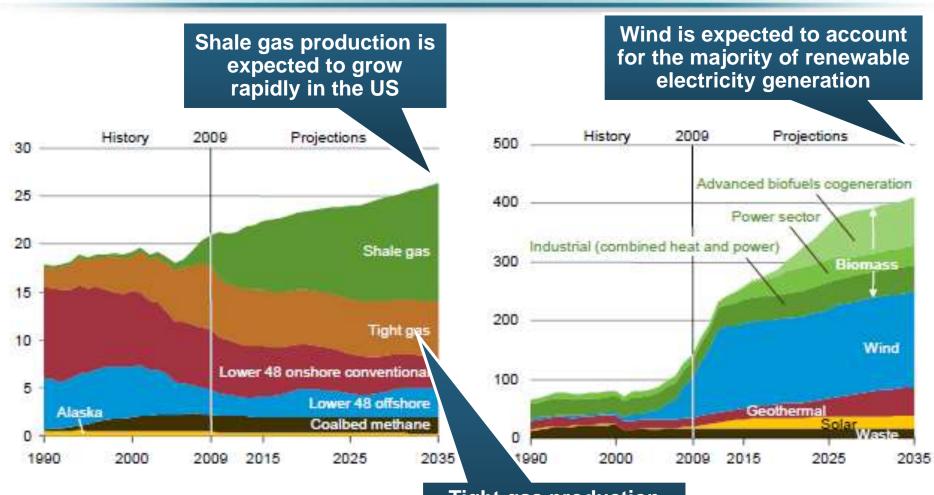
### U.S. Electricity Generation by Fuel, 1990-2040F (Trillions of Kilowatt Hours)





Source: US Energy Information Administration, 2014 Annual Energy Outlook Early Release Overview; Insurance Information Institute.

#### US Natural Gas Production and Non-Hydro Renewable Electricity Generation, 1990-2035

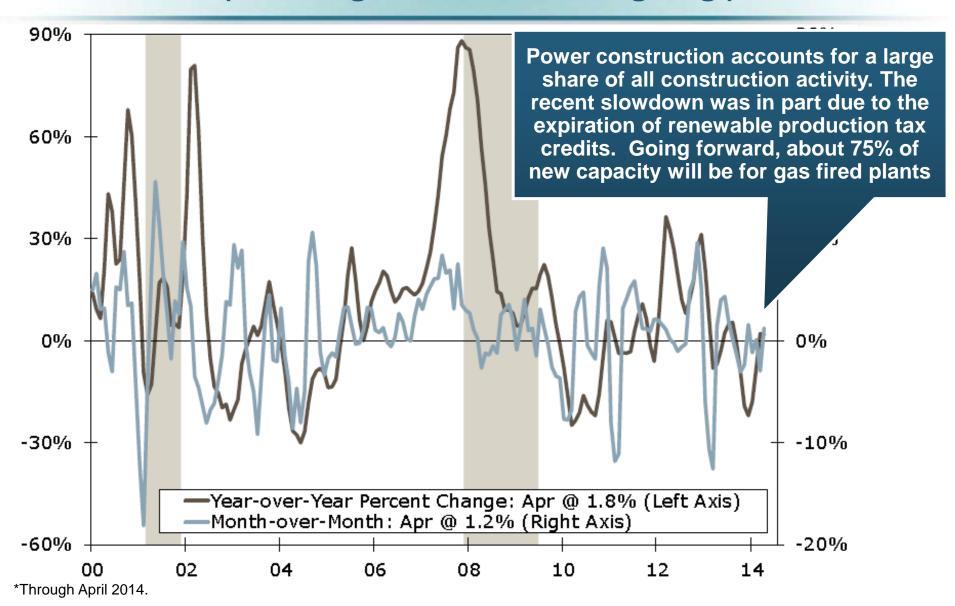


Tight gas production involves controversial hydraulic fracturing (fracking) techniques

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

#### U.S. Private Power Construction, 2000-2014\* (% Change, 3-Month Moving Avg.)





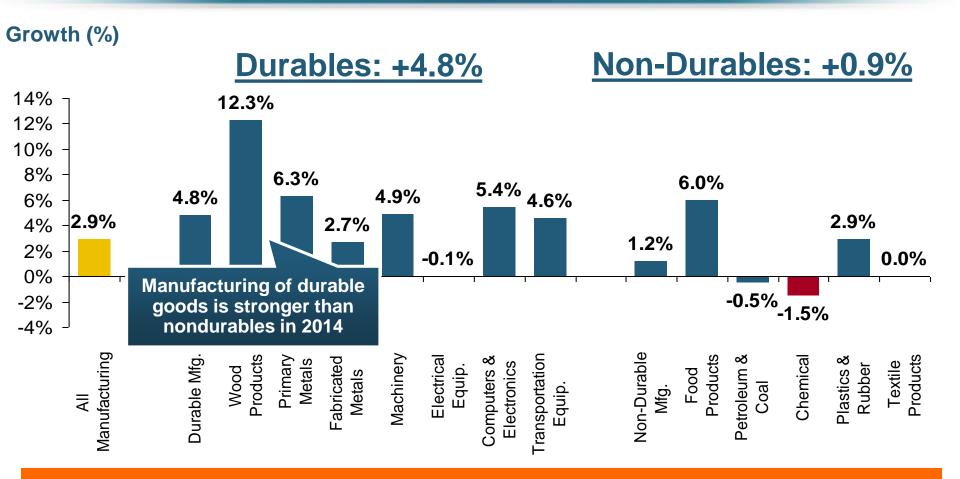


# MANUFACTURING SECTOR OVERVIEW & OUTLOOK

The U.S. Is Experiencing a Mini Manufacturing Renaissance That Is Benefitting the US Economy and the P/C Insurance Industry

#### Manufacturing Growth for Selected Sectors, 2014 vs. 2013\*





Manufacturing Is Expanding—Albeit Slowly—Across a Number of Sectors that Will Contribute to Growth in Insurable Exposures Including: WC, Commercial Property, Commercial Auto and Many Liability Coverages

<sup>\*</sup>Seasonally adjusted; Date are YTD comparing data through July 2014 to the same period in 2013.
Source: U.S. Census Bureau, Full Report on Manufacturers' Shipments, Inventories, and Orders, <a href="http://www.census.gov/manufacturing/m3/">http://www.census.gov/manufacturing/m3/</a> 108

#### **Dollar Value\* of Manufacturers**' Shipments Monthly, Jan. 1992—July 2014



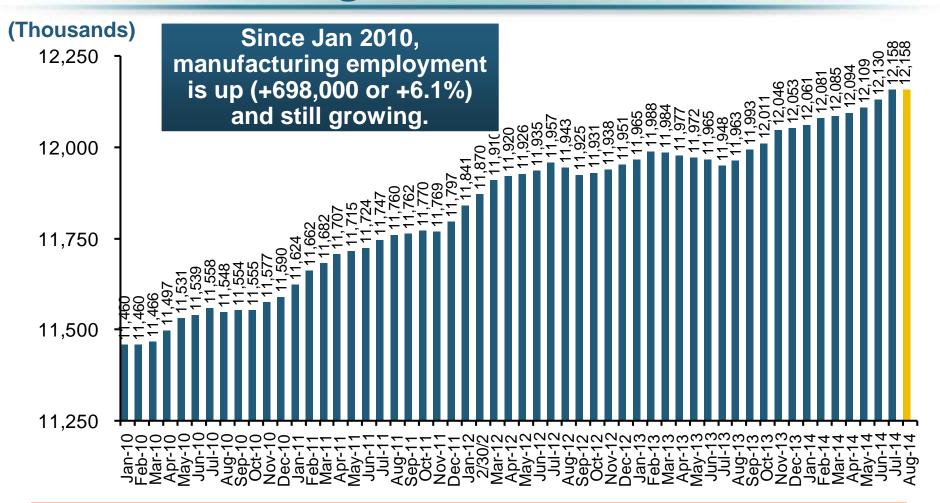


Monthly shipments in July 2014 exceeded the pre-crisis (July 2008) peak. Manufacturing is energy-intensive and growth leads to gains in many commercial exposures: WC, Commercial Auto, Marine, Property, and various Liability Coverages.

<sup>\*</sup> Seasonally adjusted; Data published Sept. 4, 2014. Source: U.S. Census Bureau, Full Report on Manufacturers' Shipments, Inventories, and Orders, http://www.census.gov/manufacturing/m3/109

### Manufacturing Employment, Jan. 2010—August 2014\*





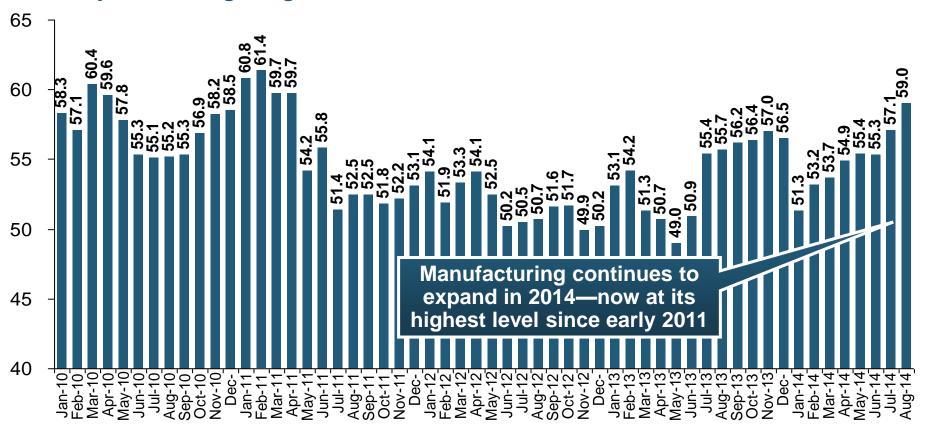
Manufacturing employment is a surprising source of strength in the economy. Employment in the sector is at a multi-year high.

<sup>\*</sup>Seasonally adjusted.

### ISM Manufacturing Index (Values > 50 Indicate Expansion)



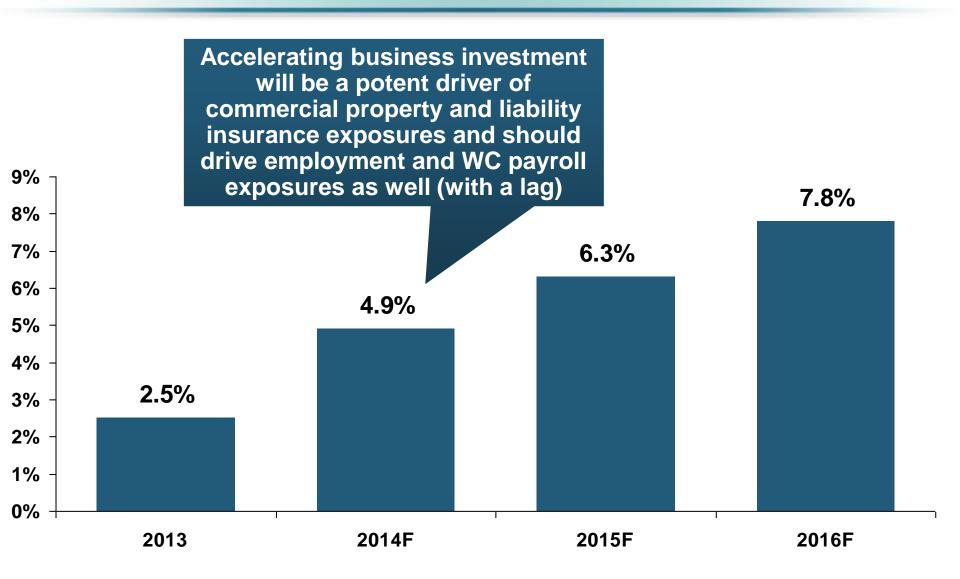
January 2010 through August 2014



The manufacturing sector expanded for 54 of the 56 months from Jan. 2010 through Aug. 2014. Pace of recovery has been uneven due to economic turbulence in the U.S., Europe and China.

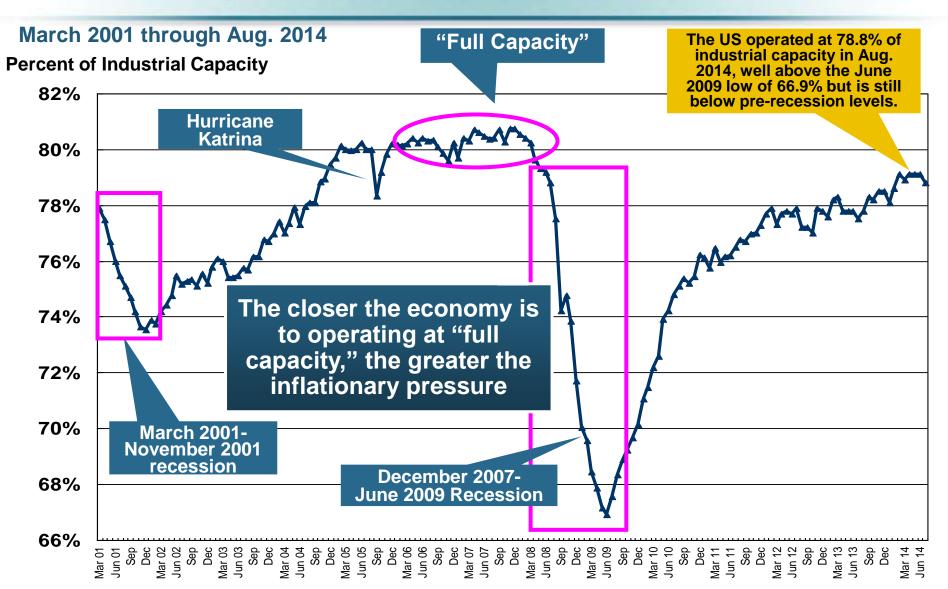
#### Business Investment: Expected to Accelerate, Fueling Commercial Exposure Growth





### Recovery in Capacity Utilization is a Positive Sign for Commercial Exposures





Source: Federal Reserve Board statistical releases at <a href="http://www.federalreserve.gov/releases/g17/Current/default.htm">http://www.federalreserve.gov/releases/g17/Current/default.htm</a>.

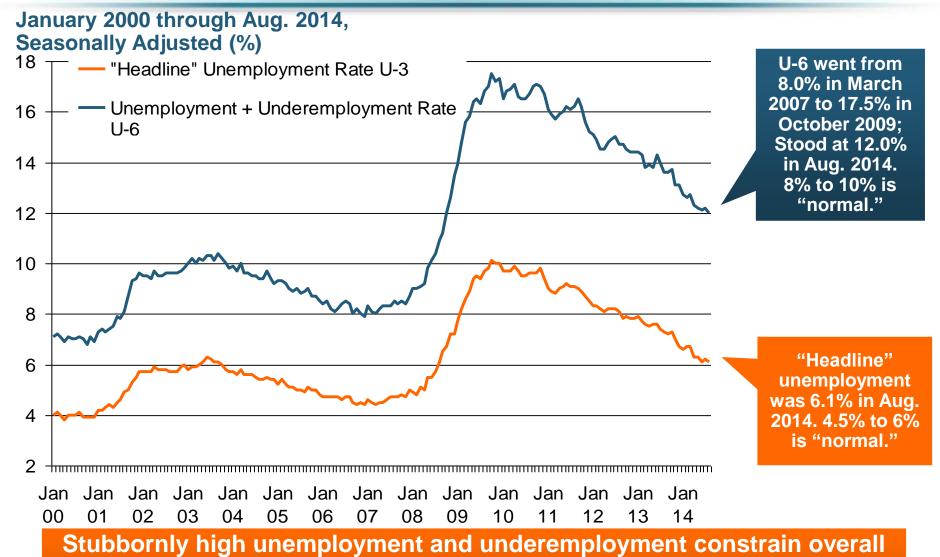


#### **Labor Market Trends**

# Massive Job Losses Sapped the Economy and Commercial/Personal Lines Exposure, But Trend is Improving

#### **Unemployment and Underemployment Rates: Still Too High, But Falling**



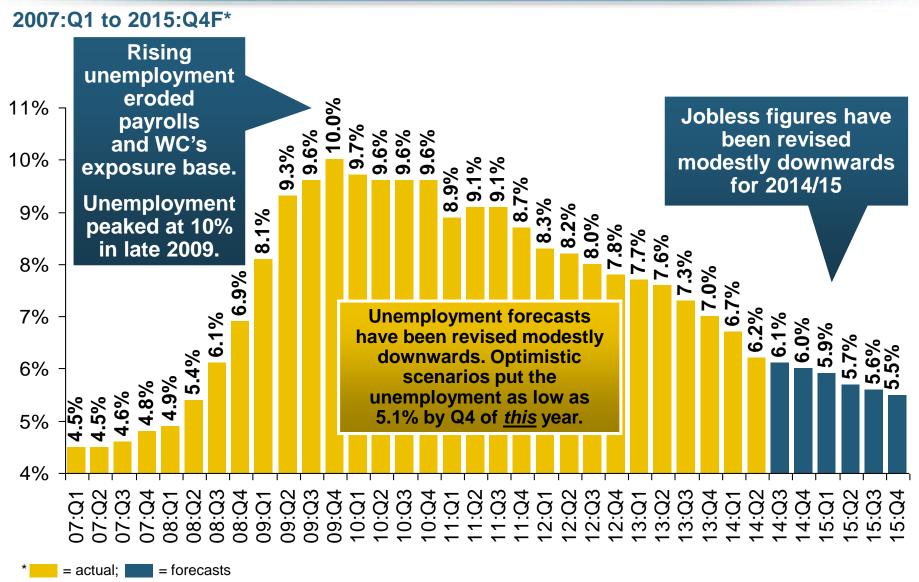


economic growth, but the job market is now clearly improving.

Source: US Bureau of Labor Statistics; Insurance Information Institute.

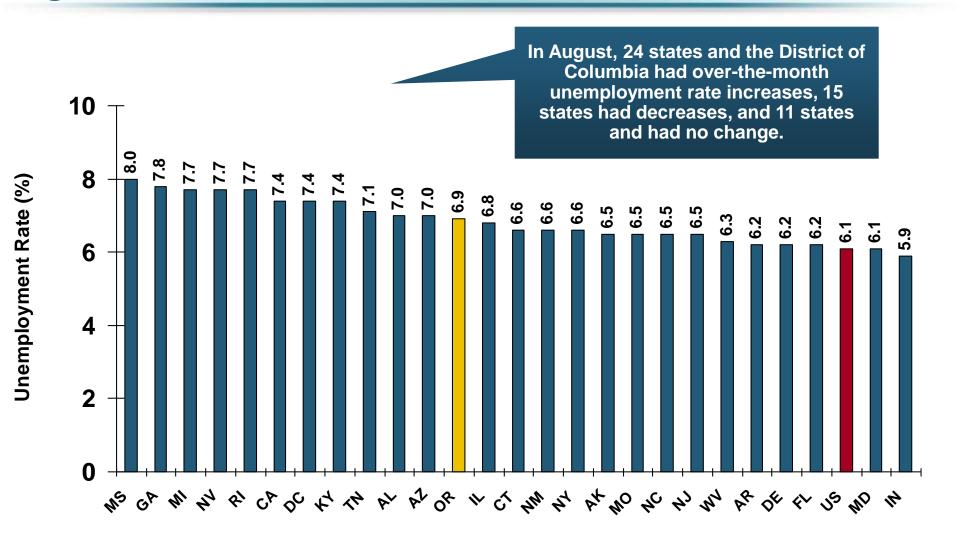
#### **US Unemployment Rate Forecast**





#### Unemployment Rates by State, August 2014: Highest 25 States\*

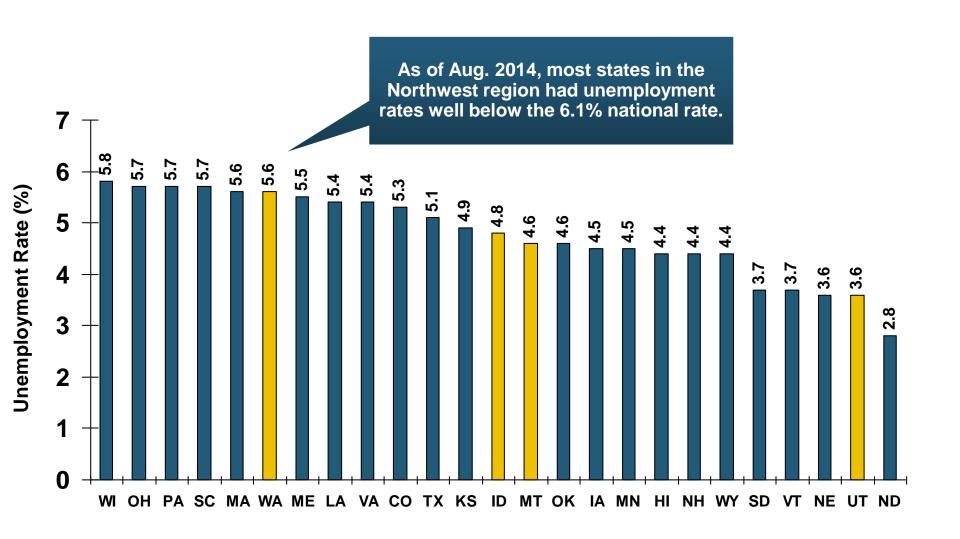




<sup>\*</sup>Provisional figures for August 2014, seasonally adjusted.
Sources: US Bureau of Labor Statistics; Insurance Information Institute.

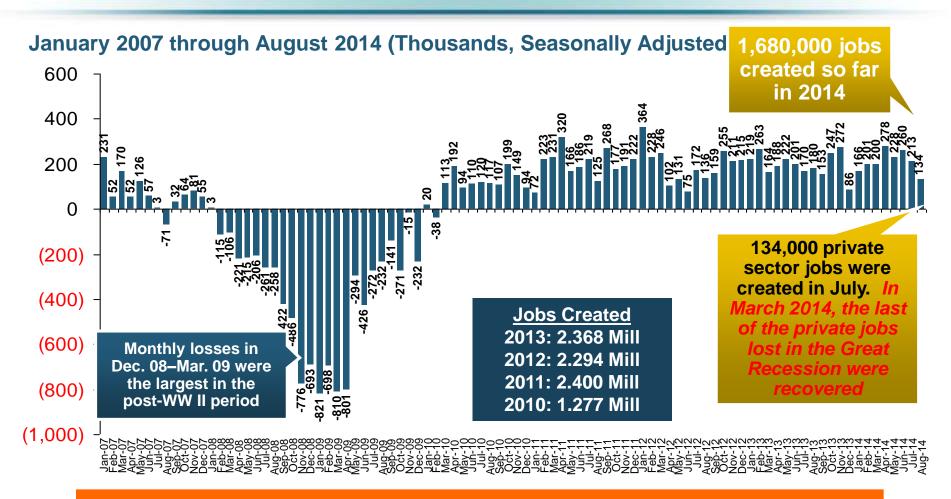
#### Unemployment Rates by State, August 2014: Lowest 25 States\*





#### **Monthly Change in Private Employment**

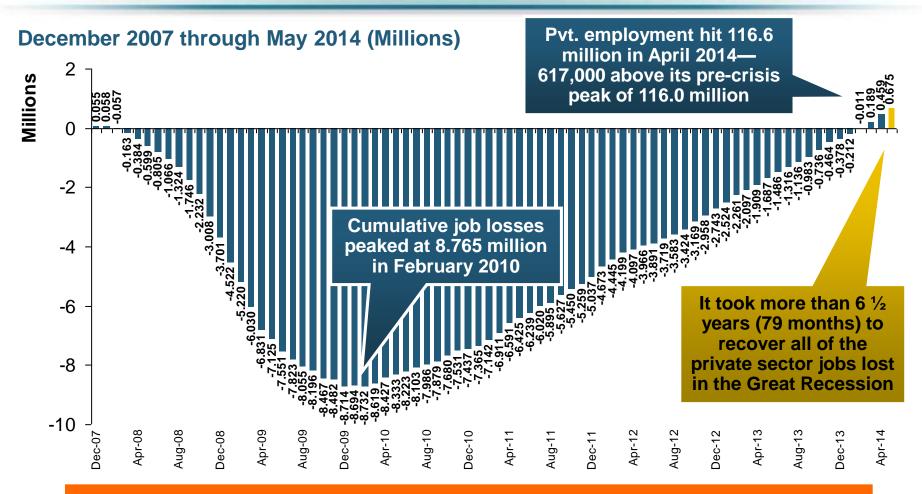




Private Employers Added 10.02 million Jobs Since Jan. 2010 After Having Shed 5.01 Million Jobs in 2009 and 3.76 Million in 2008 (State and Local Governments Have Shed Hundreds of Thousands of Jobs)

#### Cumulative Change in Private Employment: Dec. 2007—May 2014



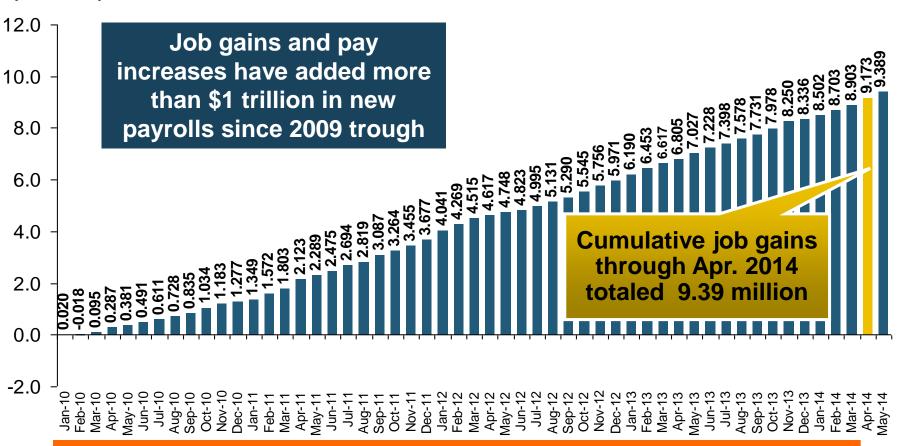


Private Employers Added 9.39 million Jobs Since Jan. 2010 After Having Shed 4.98 Million Jobs in 2009 and 3.80 Million in 2008 (State and Local Governments Have Shed Hundreds of Thousands of Jobs)

### Cumulative Change in Private Sector Employment: Jan. 2010—May 2014



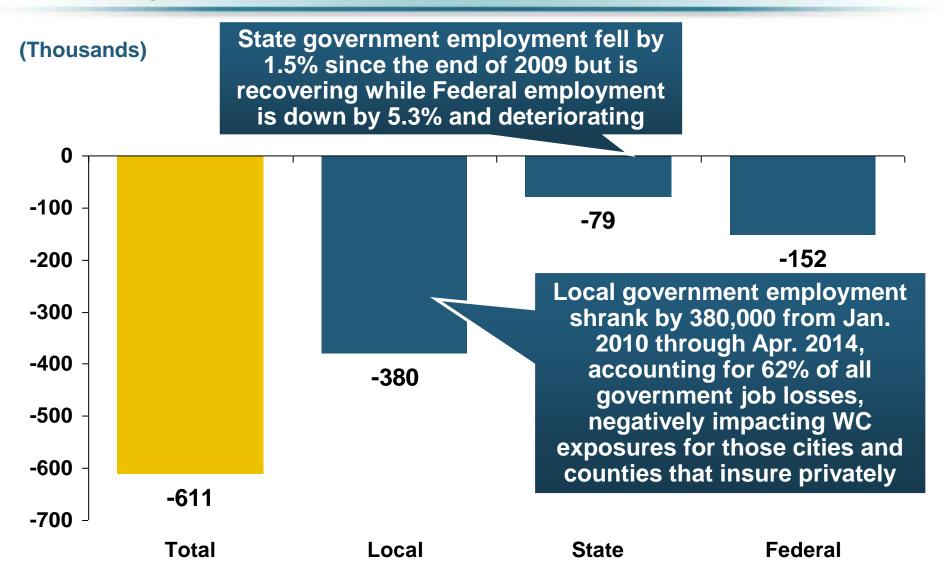




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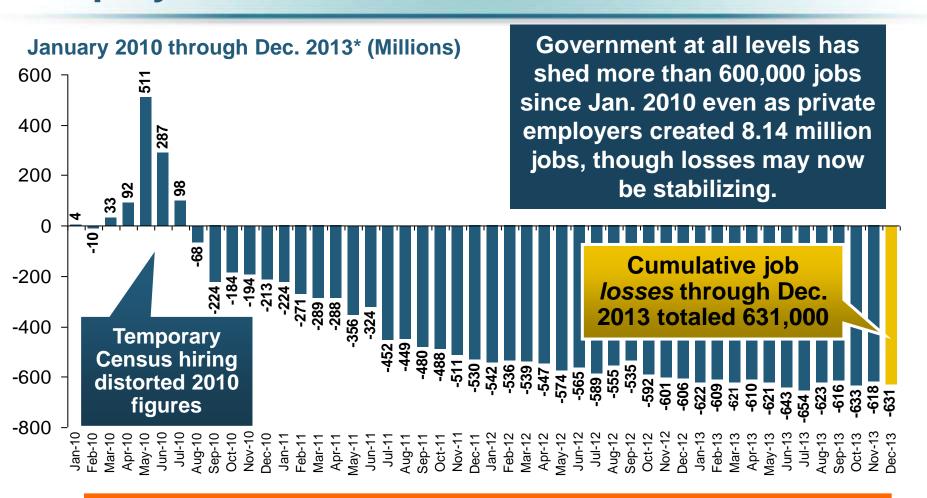
### Net Change in Government Employment: Jan. 2010—Apr. 2014





### Cumulative Change in Government Employment: Jan. 2010—Dec. 2013

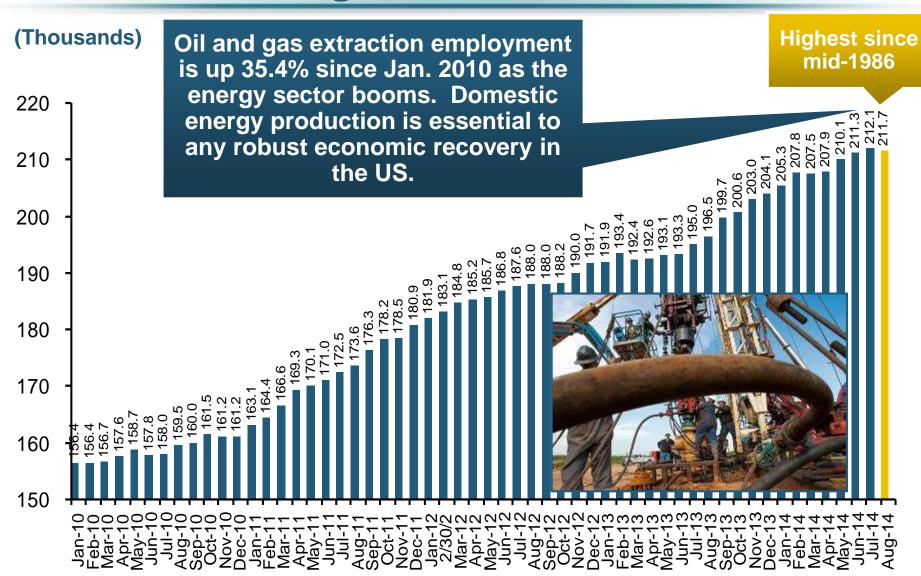




Governments at All Levels are Under Severe Fiscal Strain As Tax Receipts Plunged and Pension Obligations Soared During the Financial Crisis: Sequestration Will Add to this Toll

### Oil & Gas Extraction Employment, Jan. 2010—August 2014\*

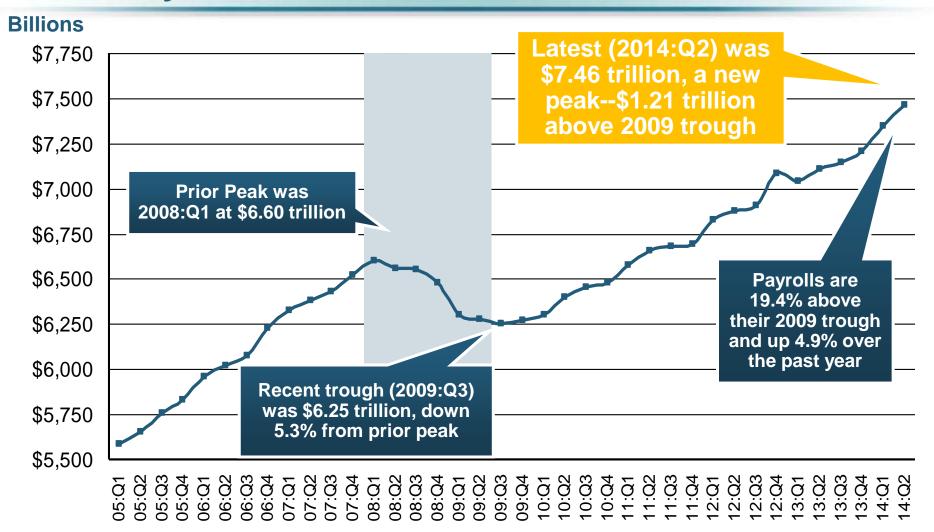




<sup>\*</sup>Seasonally adjusted

#### Nonfarm Payroll (Wages and Salaries): Quarterly, 2005–2014:Q2



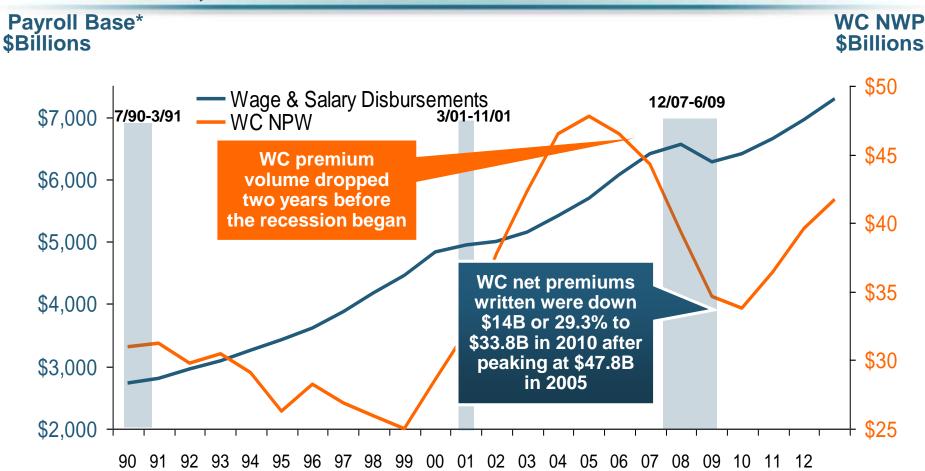


Note: Recession indicated by gray shaded column. Data are seasonally adjusted annual rates.

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

#### Payroll vs. Workers Comp Net Written Premiums, 1990-2013P





Continued Payroll Growth and Rate Gains Suggest WC NWP Will Grow Again in 2014; +8.6% Growth Estimated for 2013

<sup>\*</sup>Private employment; Shaded areas indicate recessions. WC premiums for 2012 are I.I.I. estimate based YTD 2013 actuals. Sources: NBER (recessions); Federal Reserve Bank of St. Louis at <a href="http://research.stlouisfed.org/fred2/series/WASCUR">http://research.stlouisfed.org/fred2/series/WASCUR</a>; NCCI; I.I.I.

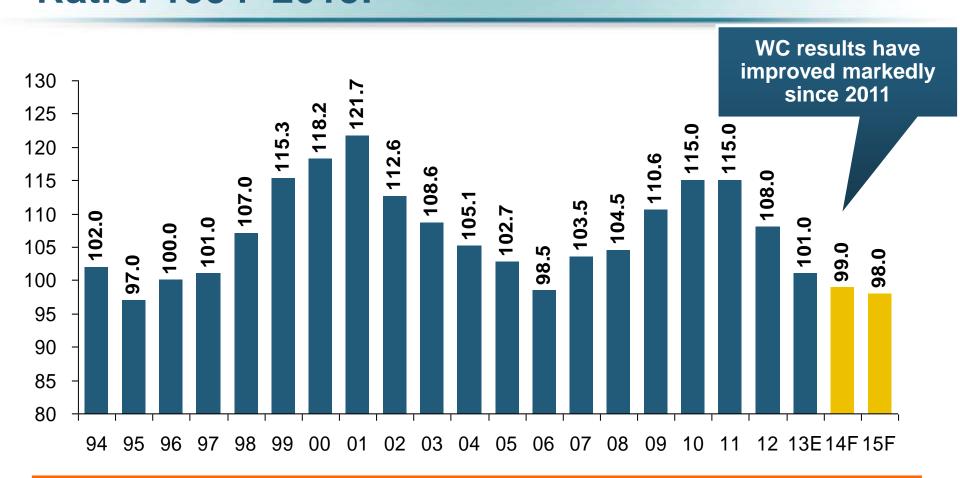


#### Workers Compensation Operating Environment

Workers Comp Results Have Improved Substantially in Recent Years

#### Workers Compensation Combined Ratio: 1994–2015F



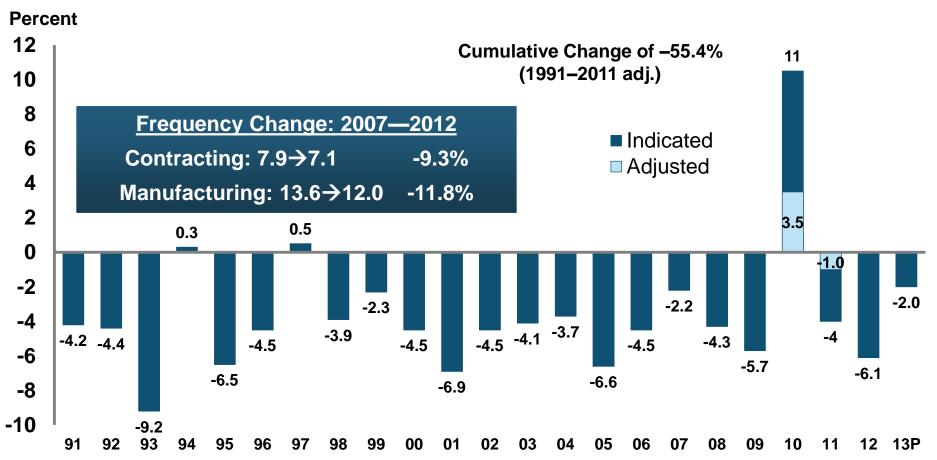


Workers Comp Results Began to Improve in 2012. Underwriting Results Deteriorated Markedly from 2007-2010/11 and Were the Worst They Had Been in a Decade.

### Workers Compensation Lost-Time Claim Frequency Declined in 2013







\*Adjustments primarily due to significant audit activity.

2013p: Preliminary based on data valued as of 12/31/2013

1991-2012: Based on data through 12/31/2012, developed to ultimate

Based on the states where NCCI provides ratemaking services, including state funds; excludes high deductible policies Frequency is the number of lost-time claims per \$1M pure premium at current wage and voluntary loss cost level

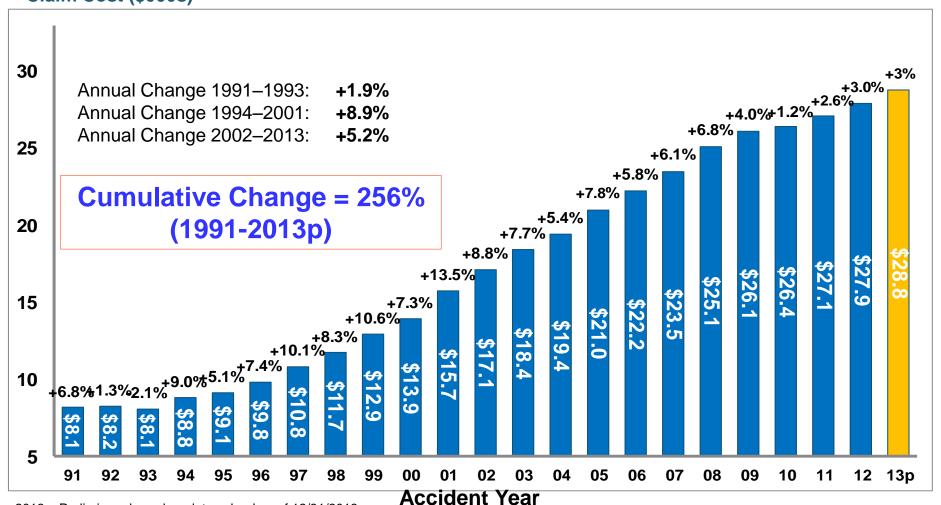
Source: NCCI.

#### Workers Compensation Medical Severity Moderate Increase in 2013



Medical
Claim Cost (\$000s)

**Average Medical Cost per Lost-Time Claim** 



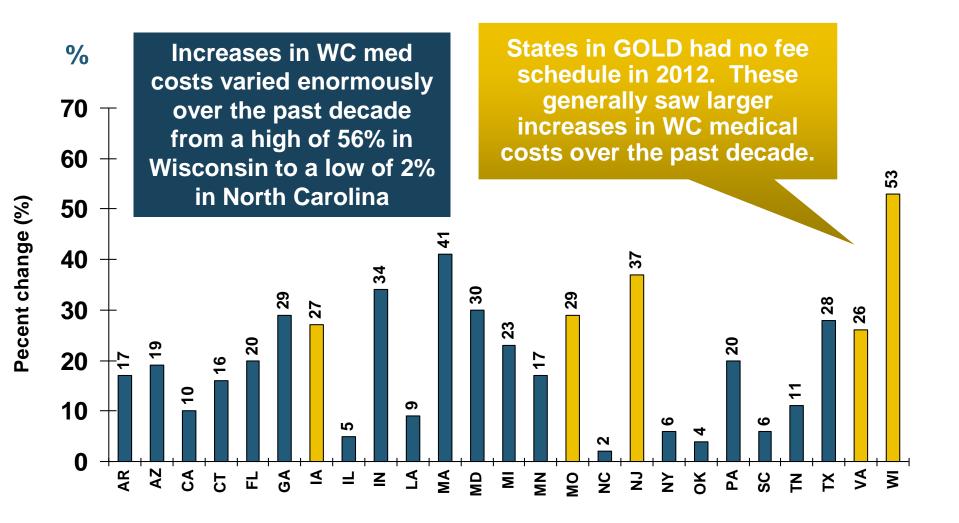
2013p: Preliminary based on data valued as of 12/31/2013.

1991-2012: Based on data through 12/31/2012, developed to ultimate

Based on the states where NCCI provides ratemaking services including state funds, excluding WV; Excludes high deductible policies.

#### Change in Price Paid for Medical Professional Services in WC, 2002-2012\*

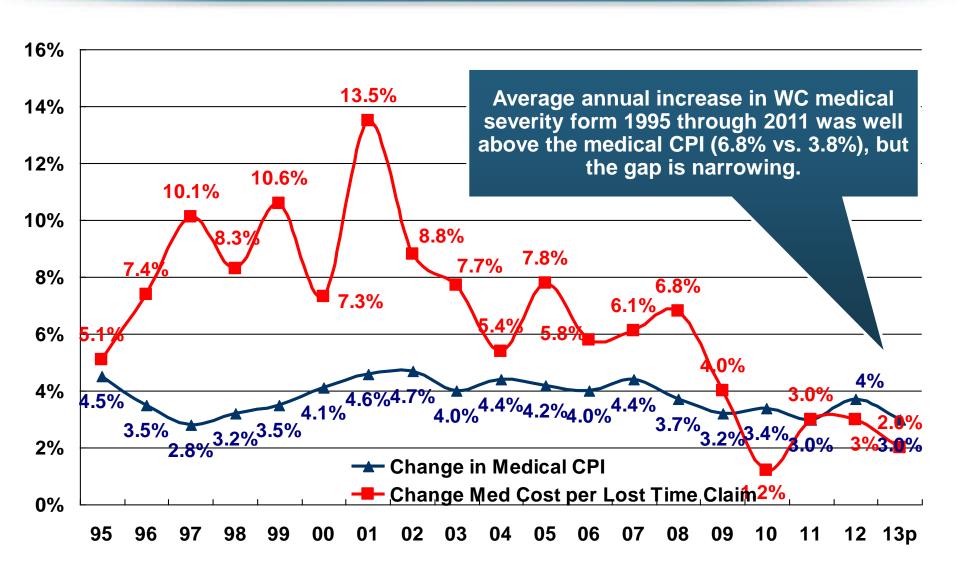




<sup>\*</sup>Data are preliminary as of 6/30/12.

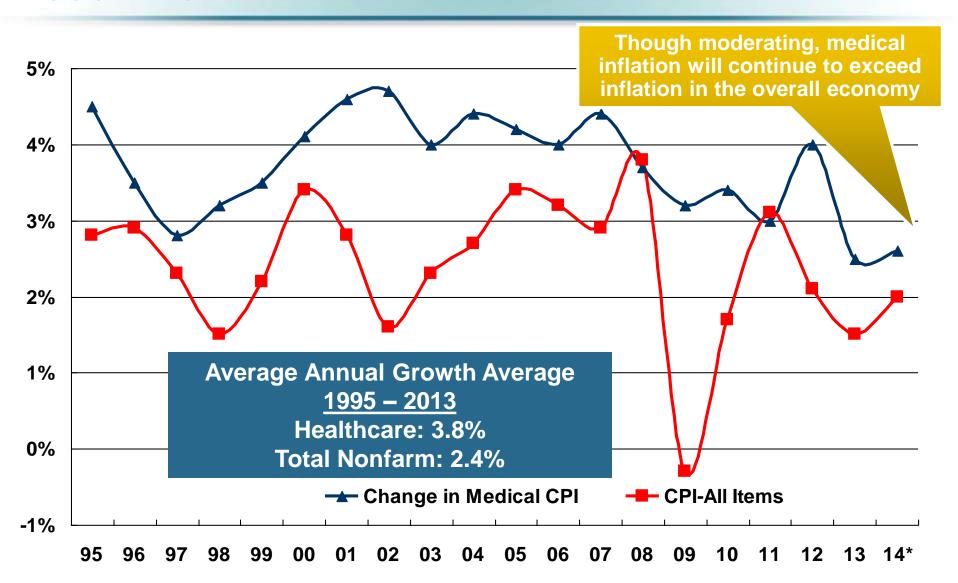
#### WC Medical Severity Generally Outpaces the Medical CPI Rate





#### Medical Cost Inflation vs. Overall CPI, 1995 – 2014\*



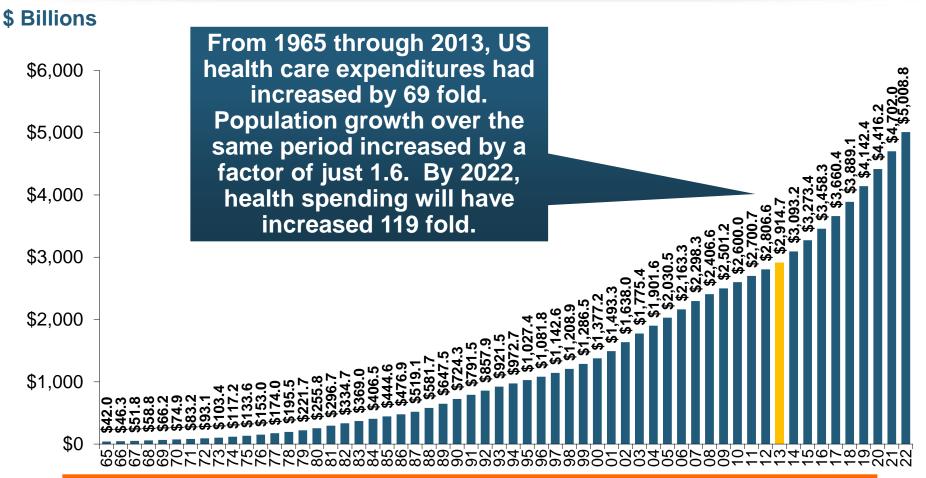


<sup>\*</sup>July 2014 compared to July 2013.

Sources: Med CPI from US Bureau of Labor Statistics, WC med severity from NCCI based on NCCI states.

#### U.S. Health Care Expenditures, 1965–2022F



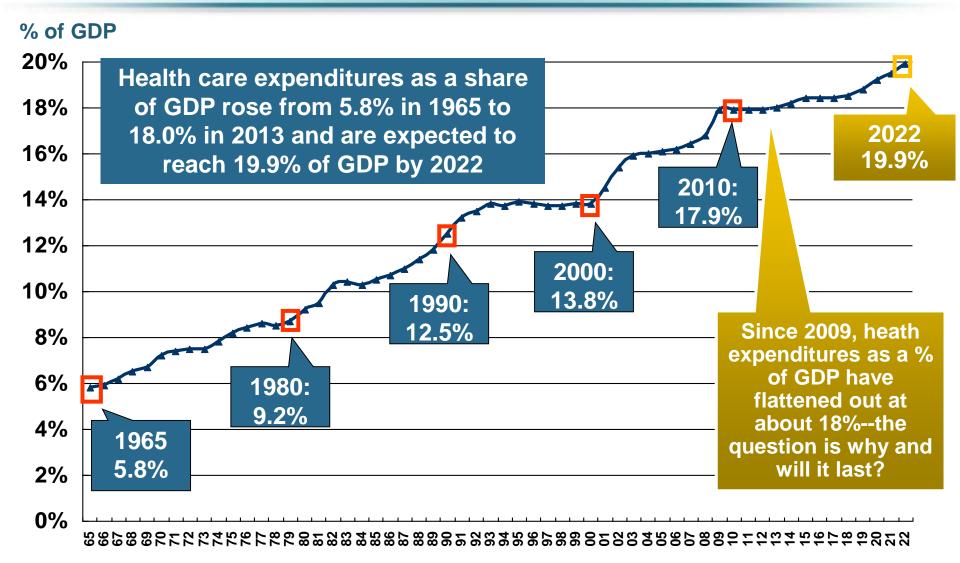


U.S. health care expenditures have been on a relentless climb for most of the past half century, far outstripping population growth, inflation of GDP growth

Sources: Centers for Medicare & Medicaid Services, Office of the Actuary at <a href="http://www.cms.gov/Research-Statistics-Data-and-Systems/S

### National Health Care Expenditures as a Share of GDP, 1965 – 2022F\*



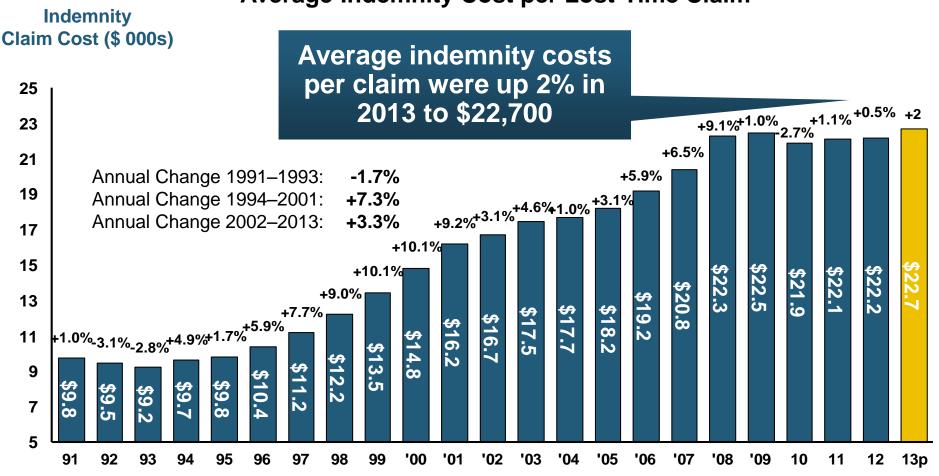


Sources: Centers for Medicare & Medicaid Services, Office of the Actuary at <a href="http://www.cms.gov/Research-Statistics-Data-and-Systems/S

#### Workers Comp Indemnity Claim Costs: Small Increase in 2013



#### **Average Indemnity Cost per Lost-Time Claim**



**Accident Year** 

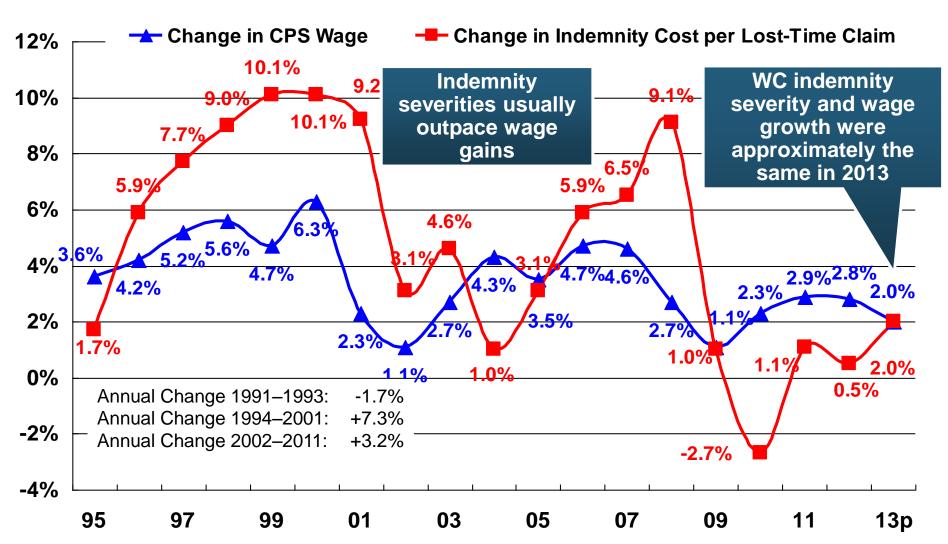
2013p: Preliminary based on data valued as of 12/31/2013.

1991-2011: Based on data through 12/31/2011, developed to ultimate

Based on the states where NCCI provides ratemaking services including state funds, excluding WV; Excludes high deductible policies.

#### WC Indemnity Severity vs. Wage Inflation, 777



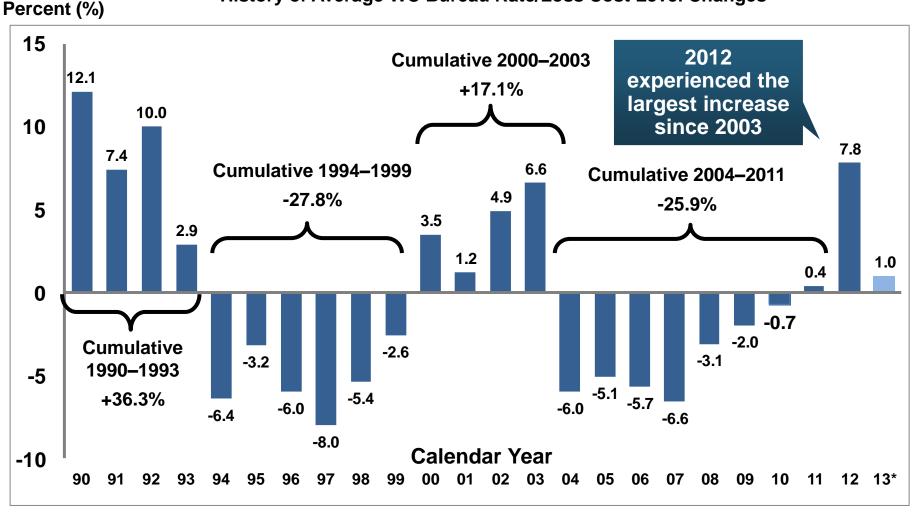


2013p: Preliminary based on data valued as of 12/31/2013; 1991-2012: Based on data through 12/31/2012, developed to ultimate. Based on the states where NCCI provides ratemaking services. Excludes the effects of deductible policies. CPS = Current Population Survey. Source: NCCI.

#### Average Approved Bureau Rates/Loss Costs







<sup>\*</sup>States approved through 4/15/123

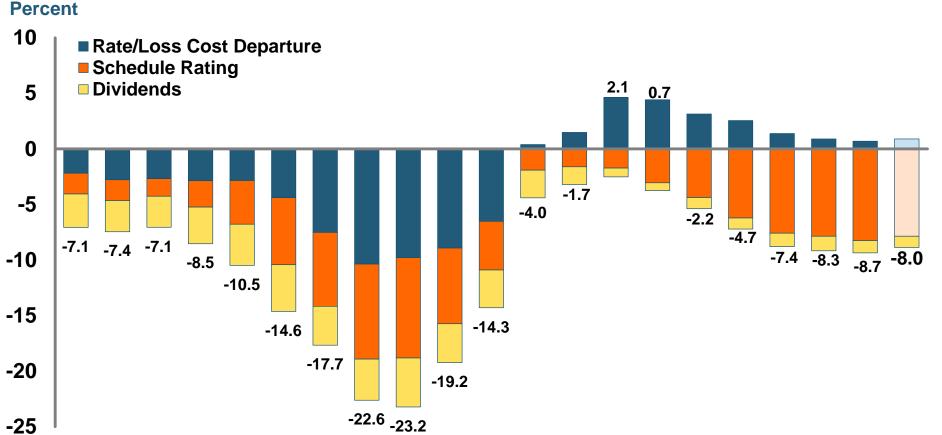
Note: Countrywide approved changes in advisory rates, loss costs and assigned risk rates as filed by applicable rating organization. Source: NCCI.

### Impact of Discounting on Workers Compensation Premium



#### **NCCI States—Private Carriers**

#### Paragrat



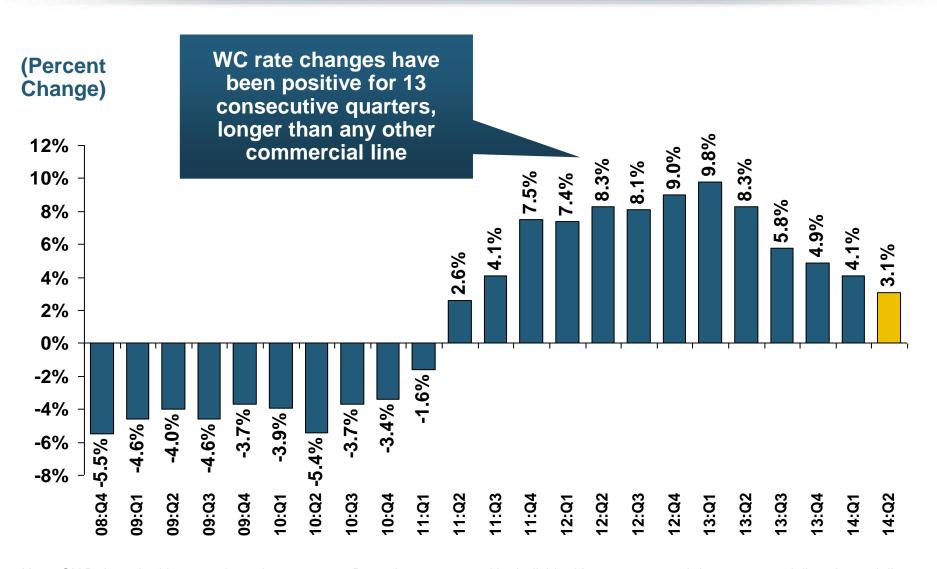
1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 20102011p

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 – 2014:Q2





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.

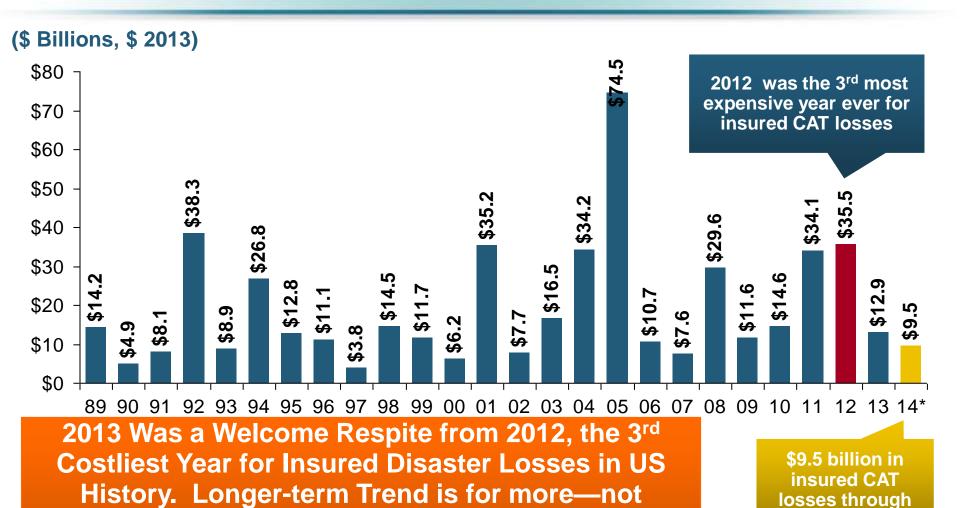


## U.S. Insured Catastrophe Loss Update

2013 Was a Welcome Respite from the High Catastrophe Losses in Recent Years 2014 Losses Are Running Above 2013

#### **U.S. Insured Catastrophe Losses**





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.

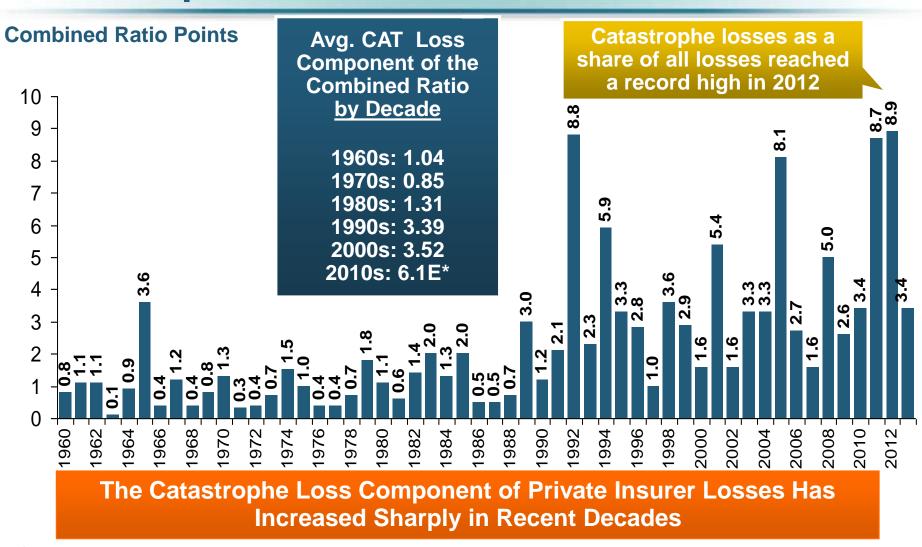
fewer—Costly Events

June 30

<sup>\*</sup>Through 6/30/14.

### Combined Ratio Points Associated with Catastrophe Losses: 1960 – 2013\*





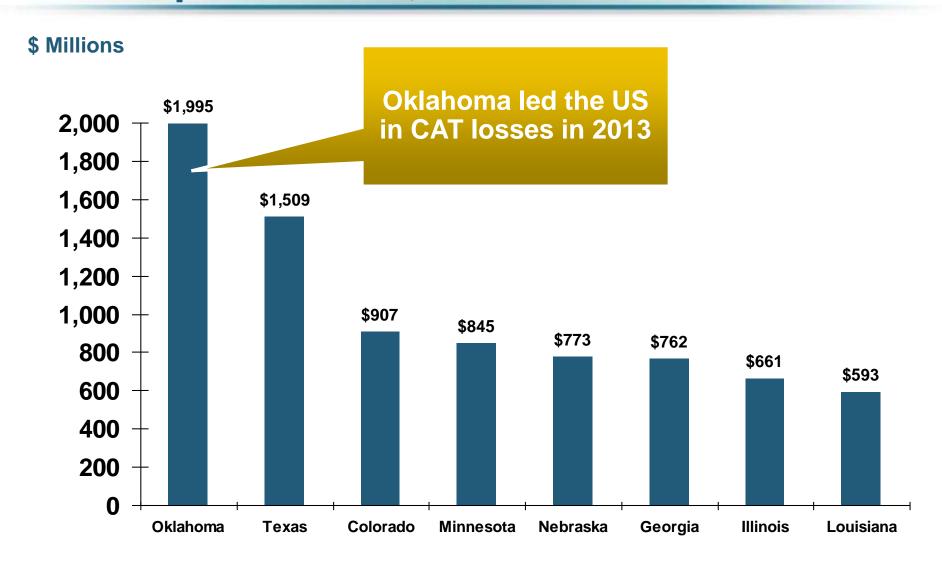
<sup>\*2010</sup>s represent 2010-2013.

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.

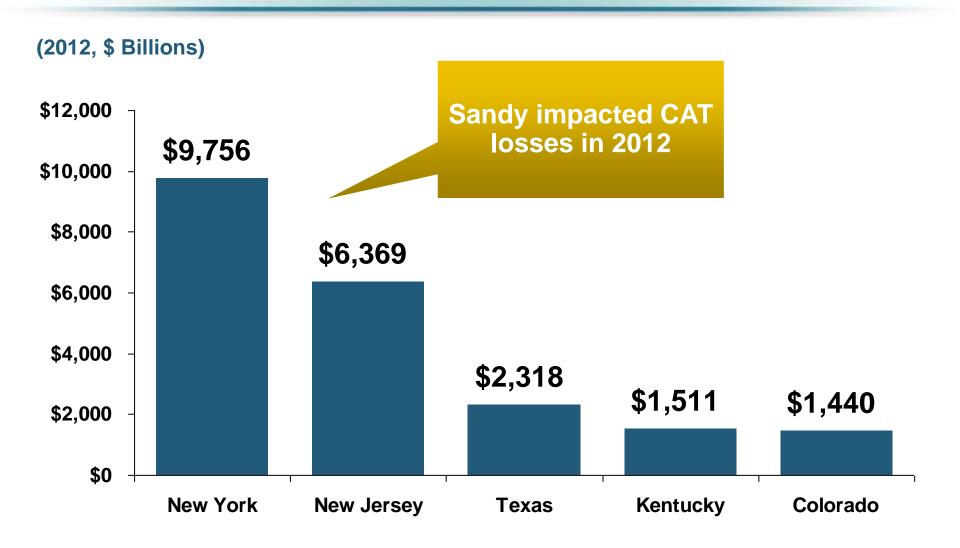
### **Top 8 States for Insured Catastrophe Losses, 2013**





## Top 5 States by Insured Catastrophe Losses in 2012\*



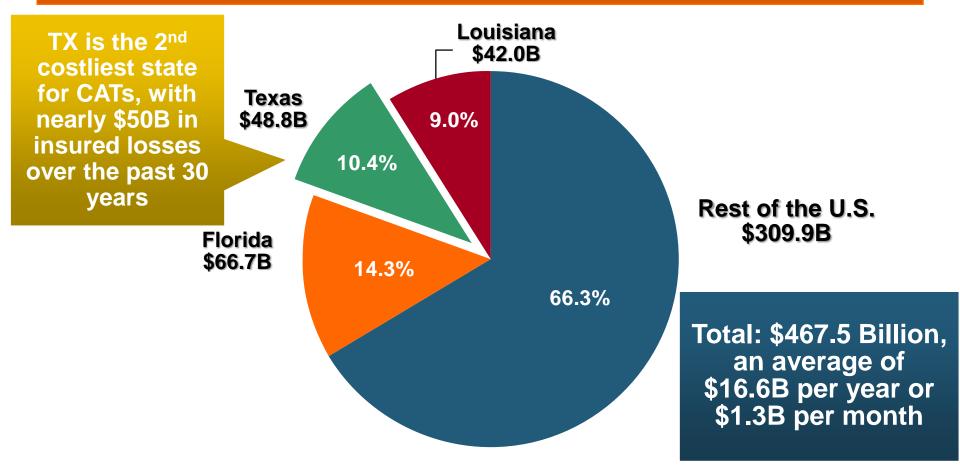


<sup>\*</sup>Includes catastrophe losses of at least \$25 million. Sources: PCS unit of ISO; Insurance Information Institute.

# Top States by Inflation-Adjusted Insured Catastrophe Losses, 1983–2012



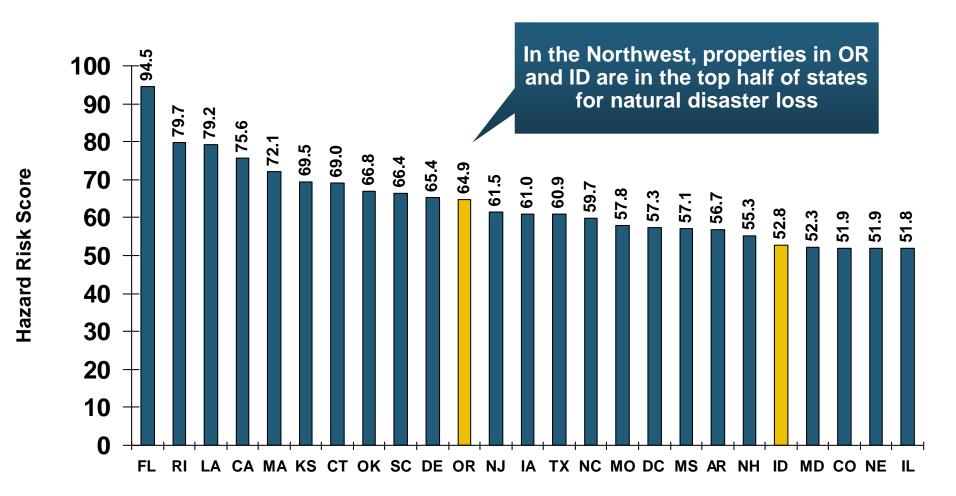
Over the Past 30 Years Florida Has Accounted for the Largest Share of Catastrophe Losses in the U.S., Followed by Texas and Louisiana



#### Natural Hazard Risk Scores, 2014 Highest 25 States\*



147



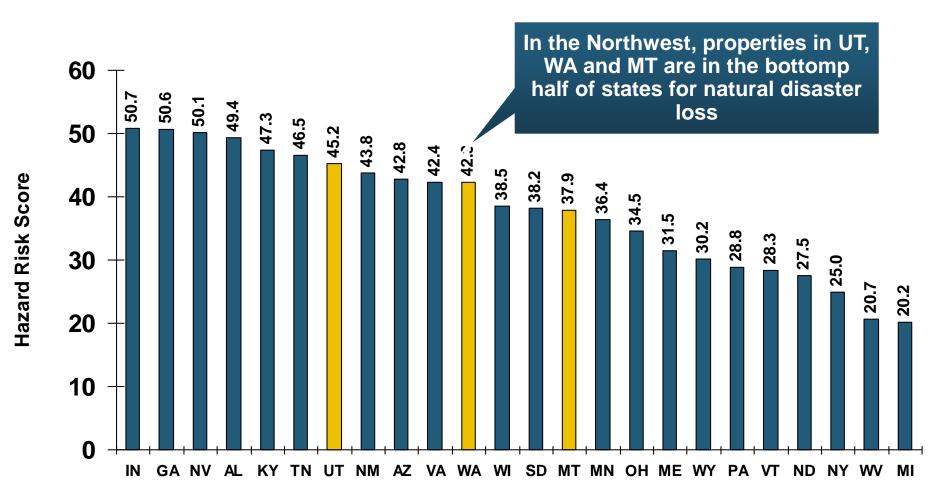
Note: Score is based on data on 9 natural hazards: flood, wildfire, tornado, storm surge, earthquake, straight-line wind, hurricane, wind, hail and sinkhole.

Sources: CoreLogic release "CoreLogic Identifies US States at Highest Risk of Property Damage Loss from Natural HAzards," Sept. 10, 2014; Insurance Information Institute.

<sup>\*</sup>Analysis Includes DC. Excludes Alaska and Hawaii due to limited natural hazard risk data.

#### Natural Hazard Risk Scores, 2014 Bottom 24 States\*





Note: Score is based on data on 9 natural hazards: flood, wildfire, tornado, storm surge, earthquake, straight-line wind, hurricane, wind, hail and sinkhole.

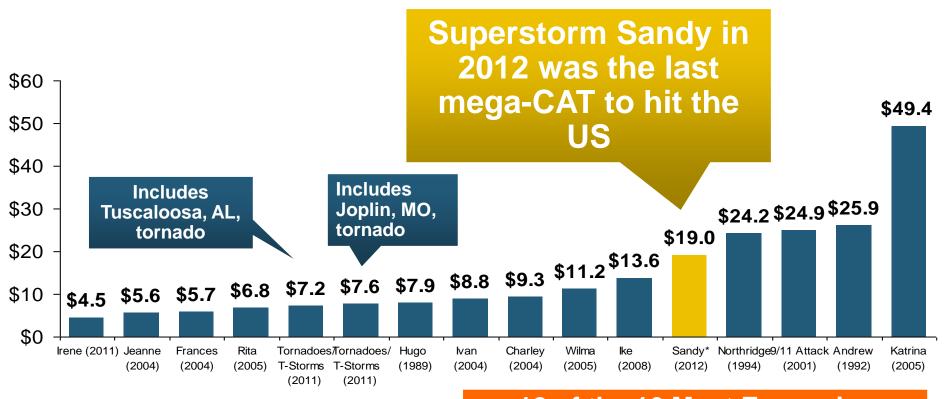
Sources: CoreLogic release "CoreLogic Identifies US States at Highest Risk of Property Damage Loss from Natural HAzards," Sept. 10, 2014; Insurance Information Institute.

<sup>\*</sup>Analysis Includes DC. Excludes Alaska and Hawaii due to limited natural hazard risk data.

# Top 16 Most Costly Disasters in U.S. History



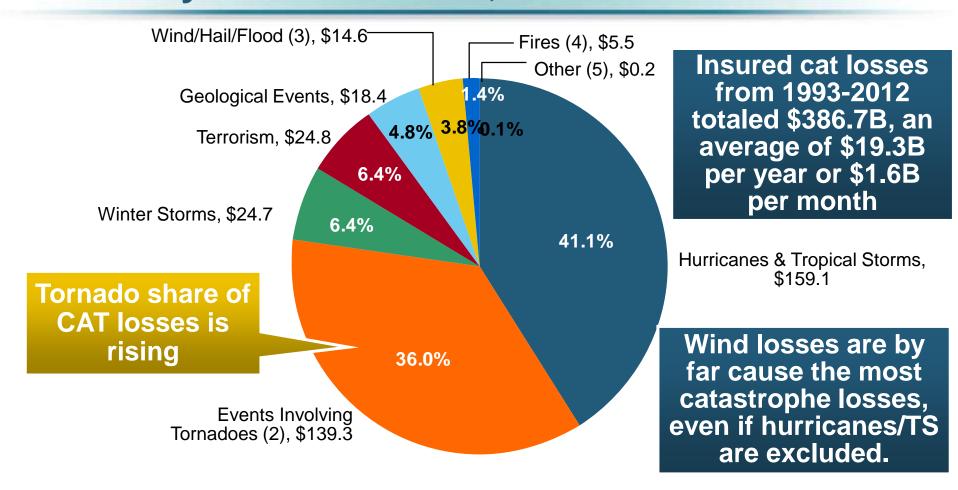
(Insured Losses, 2013 Dollars, \$ Billions)



12 of the 16 Most Expensive Events in US History Have Occurred Over the Past Decade

# Inflation Adjusted U.S. Catastrophe Losses by Cause of Loss, 1994–2013<sup>1</sup>





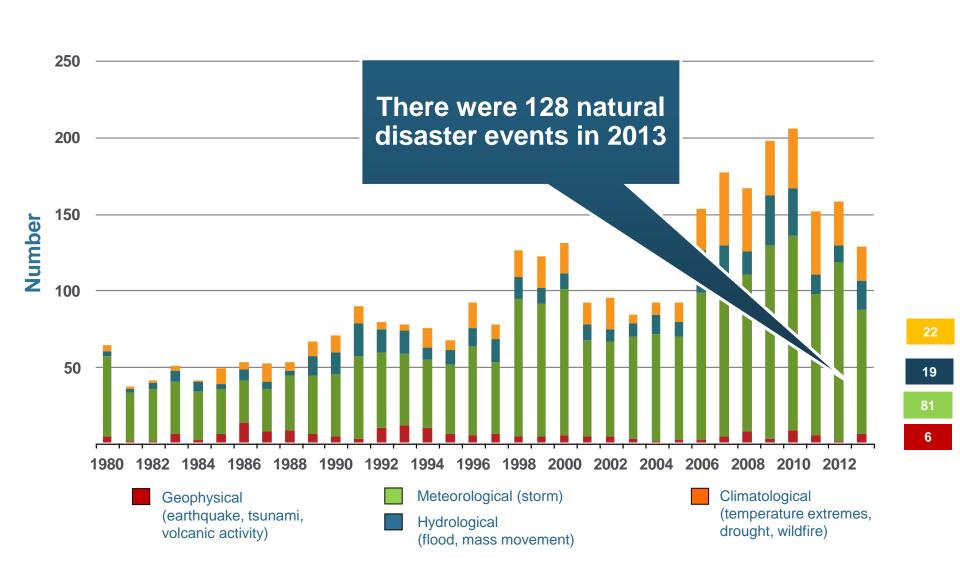
- 1. Catastrophes are defined as events causing direct insured losses to property of \$25 million or more in 2013 dollars.
- 2. Excludes snow.
- Does not include NFIP flood losses
- Includes wildland fires
- 5. Includes civil disorders, water damage, utility disruptions and non-property losses such as those covered by workers compensation.

Source: ISO's Property Claim Services Unit.

## Natural Disasters in the United States, 1980 – 2013



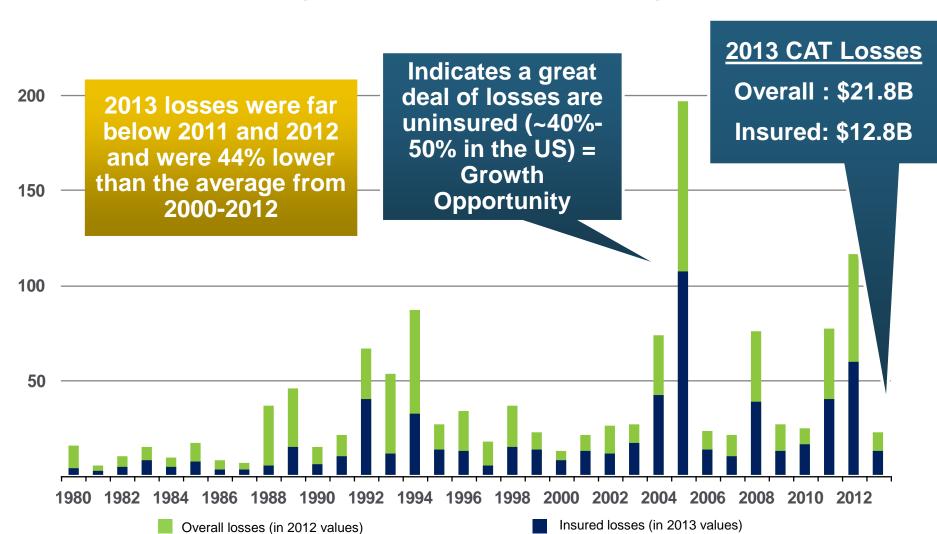
Number of Events (Annual Totals 1980 – 2013)



### Losses Due to Natural Disasters in the US, 1980–2013

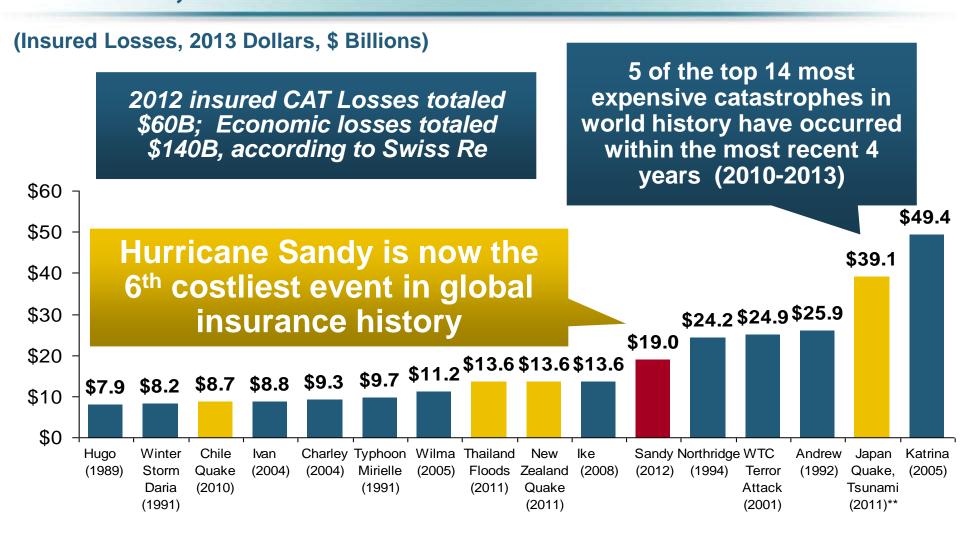


(2013 Dollars, \$ Billions) (Overall and Insured Losses)



# Top 16 Most Costly World Insurance Losses, 1970-2013\*



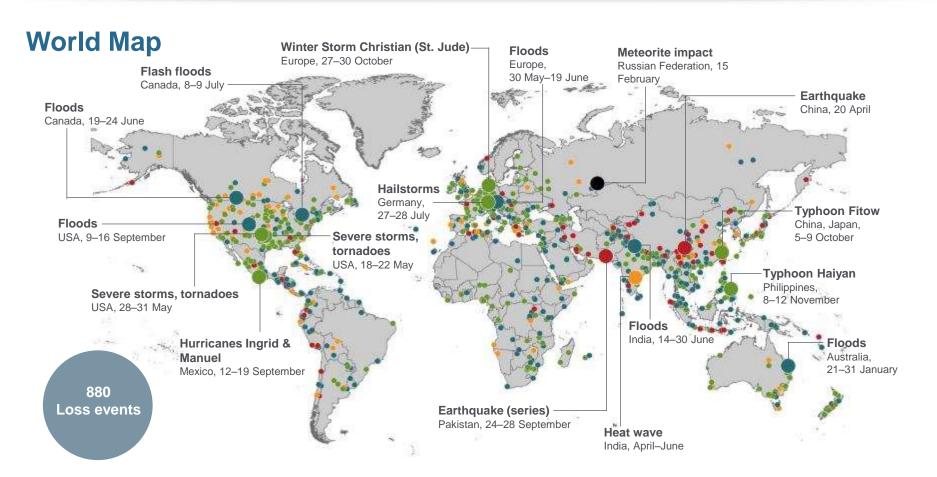


<sup>\*</sup>Figures do not include federally insured flood losses.

Sources: Munich Re; Swiss Re; Insurance Information Institute research.

## Natural Loss Events: Full Year 2013





- Natural catastrophes
- Selection of significant Natural catastrophes

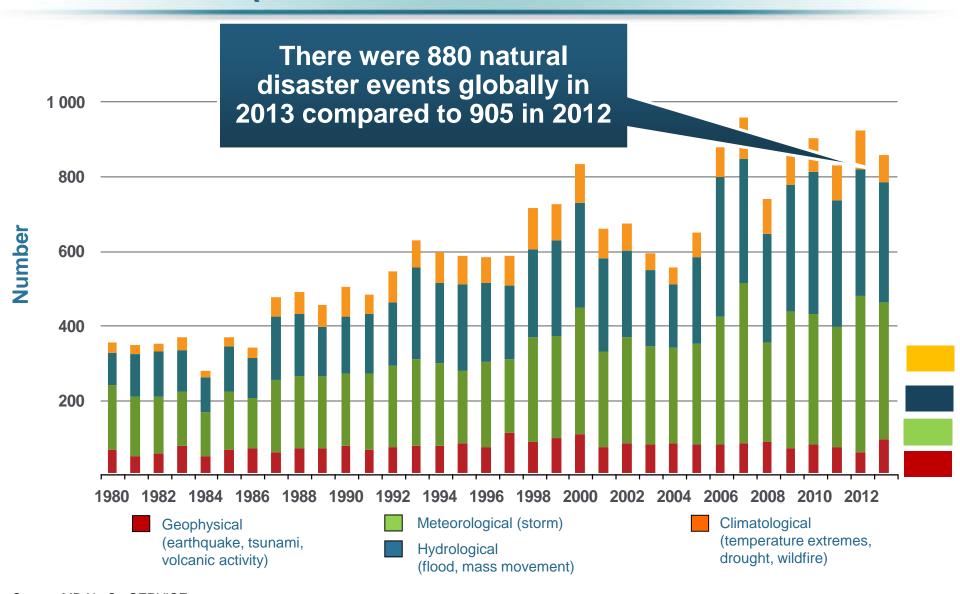
- Geophysical events
   (earthquake, tsunami, volcanic activity)
- Meteorological events (storm)

- Hydrological events (flood, mass movement)
- Climatological events

   (extreme temperature, drought, wildfire)
- Extraterrestrial events (Meteorite impact)

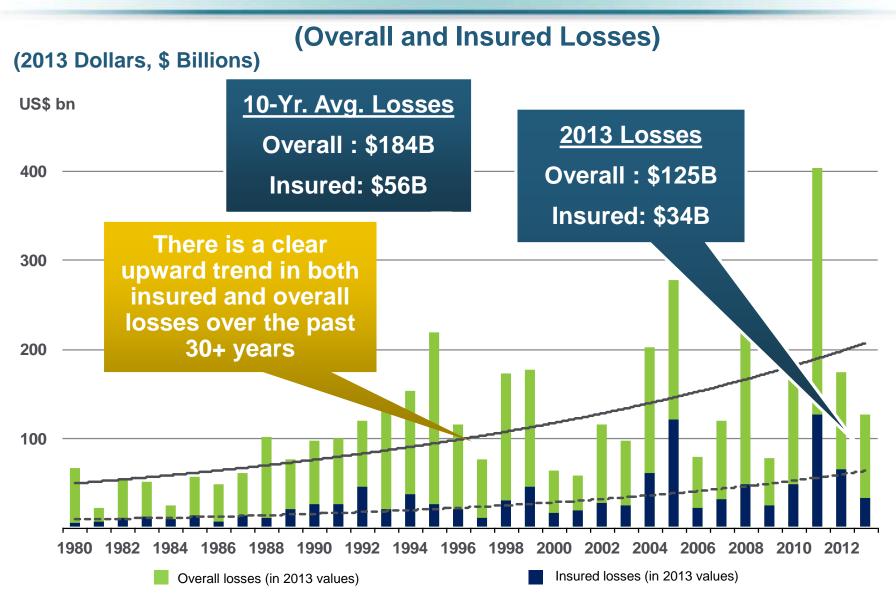
#### Natural Disasters Worldwide, 1980 – 2013 (Number of Events)





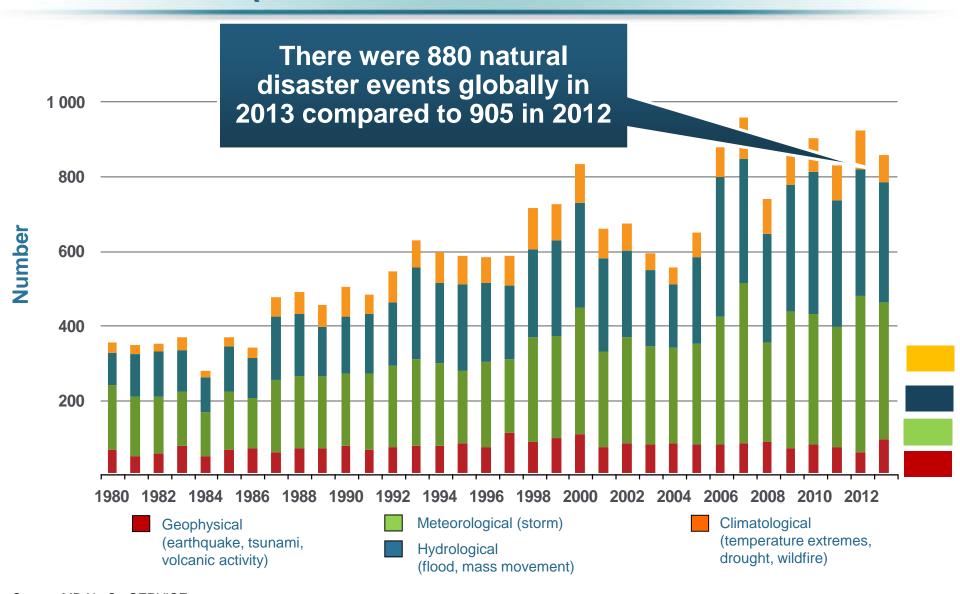
## Losses Due to Natural Disasters Worldwide, 1980–2013 (Overall & Insured Losses)





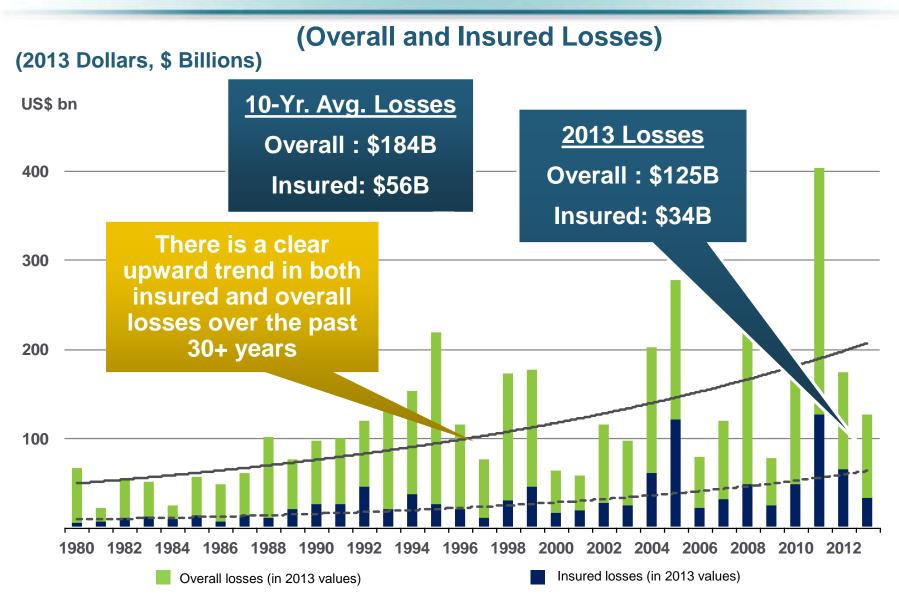
#### Natural Disasters Worldwide, 1980 – 2013 (Number of Events)





## Losses Due to Natural Disasters Worldwide, 1980–2013 (Overall & Insured Losses)





# Natural Disaster Losses in the US, by Type, Jan. 1 – June 30, 2014



As of July 1, 2014	Number of Events	Fatalities	Estimated Overall Losses (US \$m)	Estimated Insured Losses (US \$m)
Severe Thunderstorm	33	65	9,100	6,700
Winter Storms & Cold Waves	11	84	3,400	2,400
Flood, flash flood	10	1	10	-
Earthquake & Geophysical, landslides	5	44	20	-
Tropical Cyclone	-	-	-	-
Wildfire, Heat Waves, & Drought	8	1	770	-
Totals	67	195	13,300	9,100

Source: Munich Re NatCatSERVICE

# Natural Disaster Losses in the United States, by Type, 2013



As of December 31, 2013	Number of Events	Fatalities	Estimated Overall Losses (US \$m)	Estimated Insured Losses (US \$m)
Severe Thunderstorm	69	110	16,341	10,274
Winter Storm	11	43	2,935	1,895
Flood	19	23	1,929	240
Earthquake & Geophysical	6	1	Minor	Minor
Tropical Cyclone	1	1	Minor	Minor
Wildfire, Heat, & Drought	22	29	620	385
Totals	128	207	21,825	12,794

Source: Munich Re NatCatSERVICE

#### Significant Natural Catastrophes, 2013



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

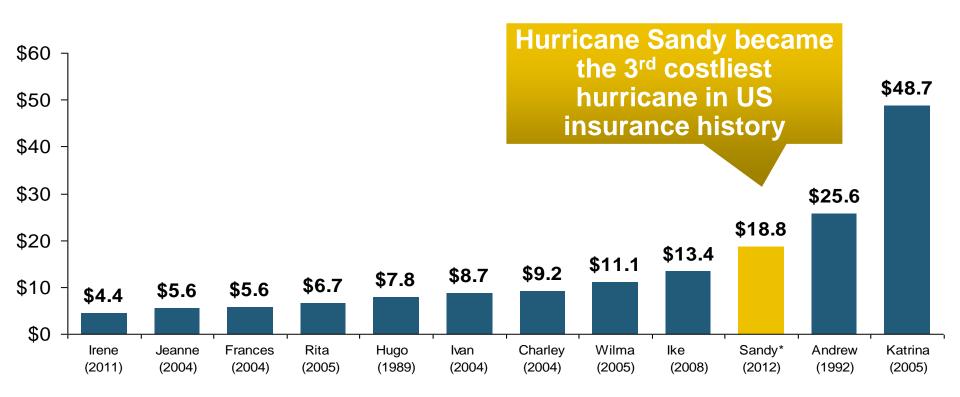
Date	Event	Estimated Economic Losses (US \$m)	Estimated Insured Losses (US \$m)
February 24 – 25	Winter Storm	1,300	690
March 18 – 19	Thunderstorms	2,200	1,600
April 7 – 11	Winter Storm	1,600	1,200
April 16 – 18	Thunderstorms	1,100	560
May 18 – 20	Thunderstorms	3,100	1,800
May 28 – 31	Thunderstorms	2,800	1,400
August 6 – 7	Thunderstorms	1,300	740
September 9 – 16	Flooding	1,500	160
November 17 - 18	Thunderstorms	1,300	931

# 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 10 years (2004—2013)



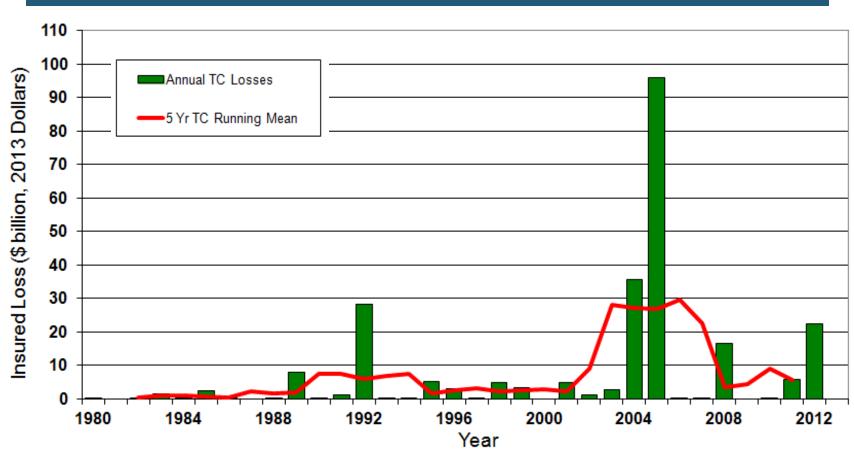
<sup>\*</sup>PCS estimate as of 4/12/13.

Sources: PCS; Insurance Information Institute inflation adjustments to 2012 dollars using the CPI.

## **Insured US Tropical Cyclone Losses**, 1980 - 2013



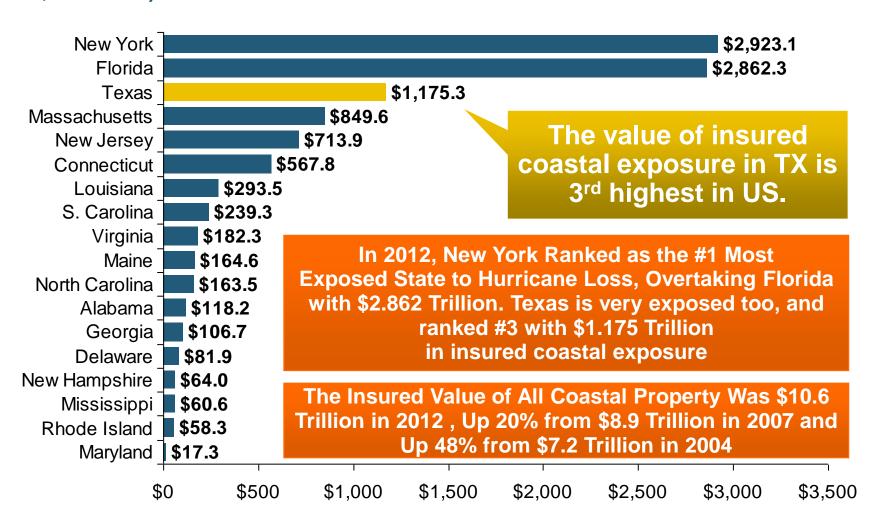
The current 5-year average (2008 - 2013) insured tropical cyclone loss is \$5.6 billion per year.



## **Total Value of Insured Coastal Exposure** in 2012



(2012, \$ Billions)

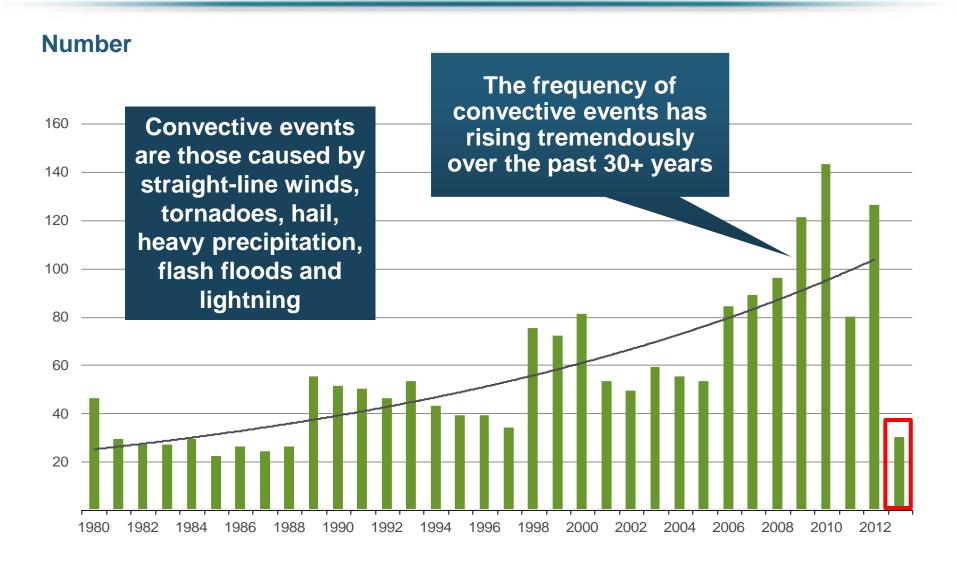


Source: AIR Worldwide

#### Convective Loss Events in the U.S.



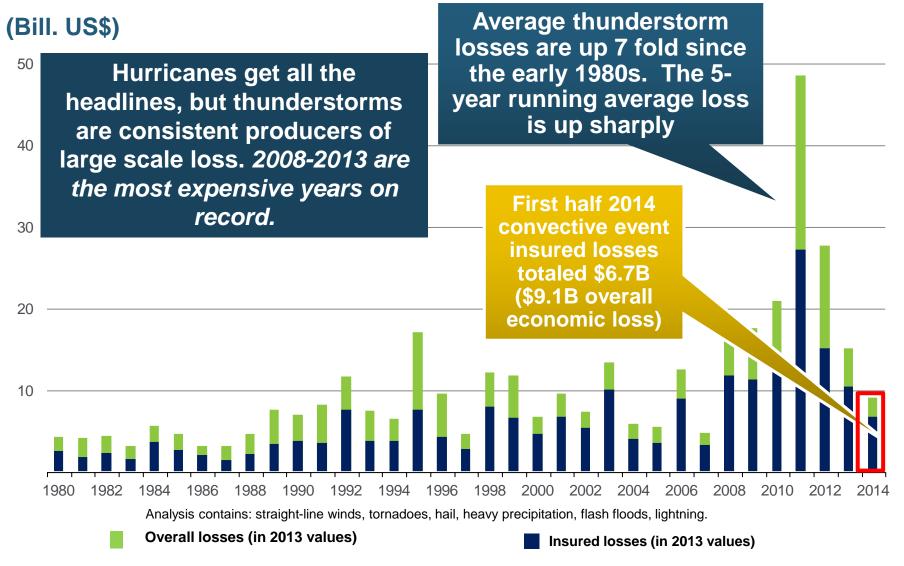
Number of events 1980 - 2012 and First Half 2013



#### Convective Loss Events in the U.S.

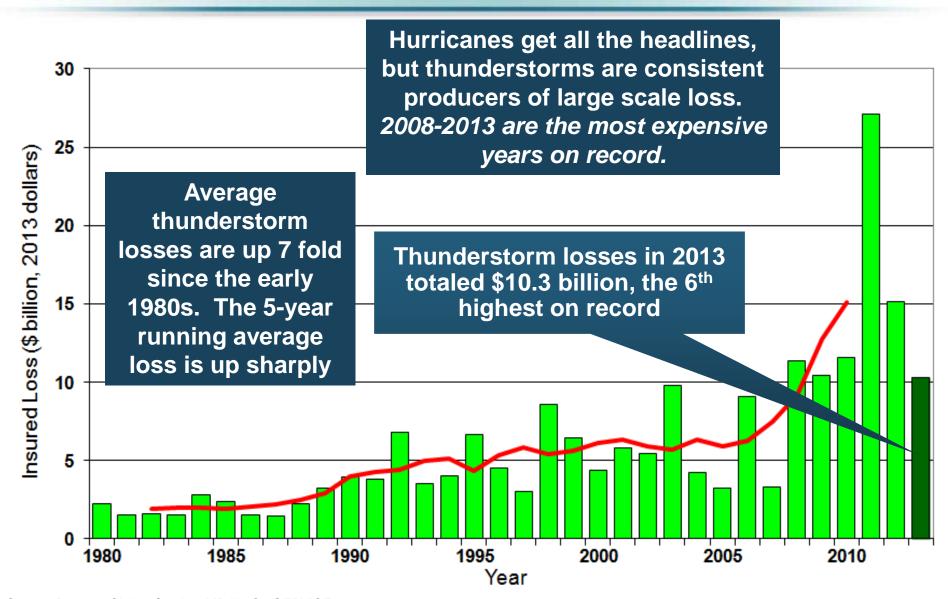






## U.S. Thunderstorm Insured Loss Trends, 1980 – 2013





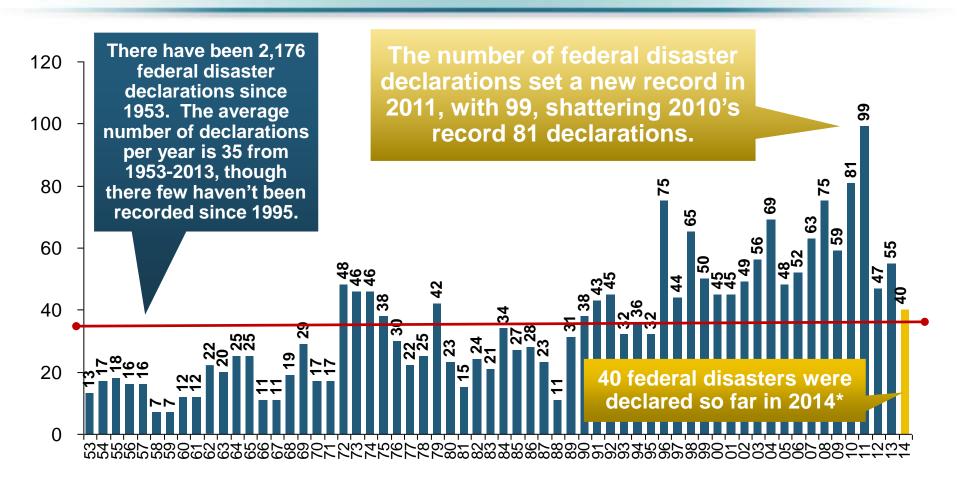


# Federal Disaster Declarations Patterns: 1953-2014

# Disaster Declarations Set New Records in Recent Years

# Number of Federal Major Disaster Declarations, 1953-2014\*



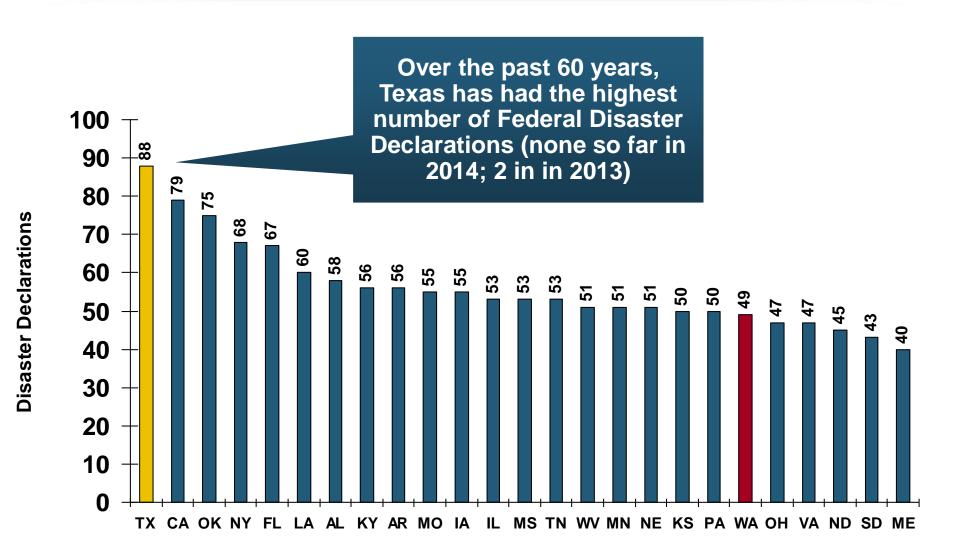


The Number of Federal Disaster Declarations Is Rising and Set New Records in 2010 *and* 2011 Before Dropping in 2012/13

<sup>\*</sup>Through September 2, 2014.

# Federal Disasters Declarations by State, 1953 – 2014: Highest 25 States\*



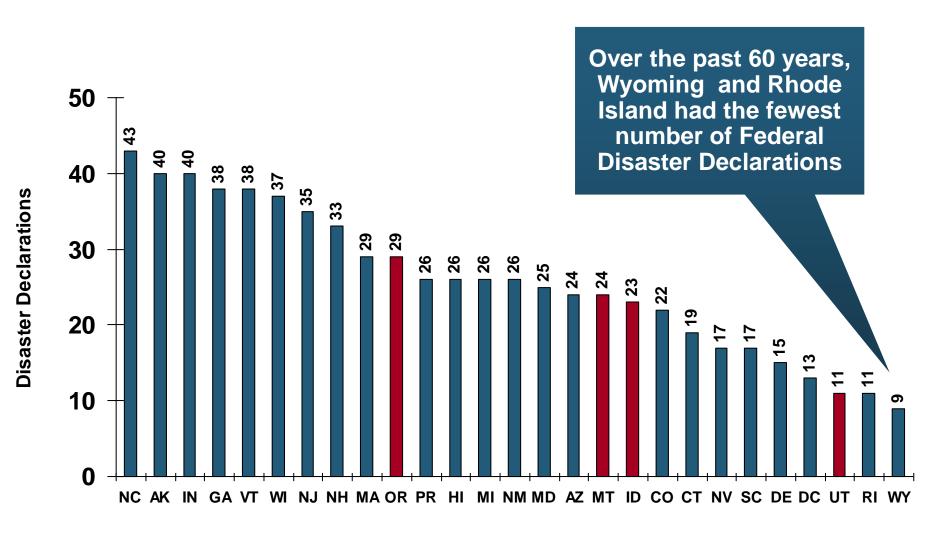


<sup>\*</sup>Through Sept. 2, 2014. Includes Puerto Rico and the District of Columbia.

Source: FEMA: <a href="http://www.fema.gov/news/disaster\_totals\_annual.fema">http://www.fema.gov/news/disaster\_totals\_annual.fema</a>; Insurance Information Institute.

## Federal Disasters Declarations by State, 1953 – 2014: Lowest 25 States\*





<sup>\*</sup>Through Sept. 2, 2014. Includes Puerto Rico and the District of Columbia.

Source: FEMA: <a href="http://www.fema.gov/news/disaster\_totals\_annual.fema">http://www.fema.gov/news/disaster\_totals\_annual.fema</a>; Insurance Information Institute.

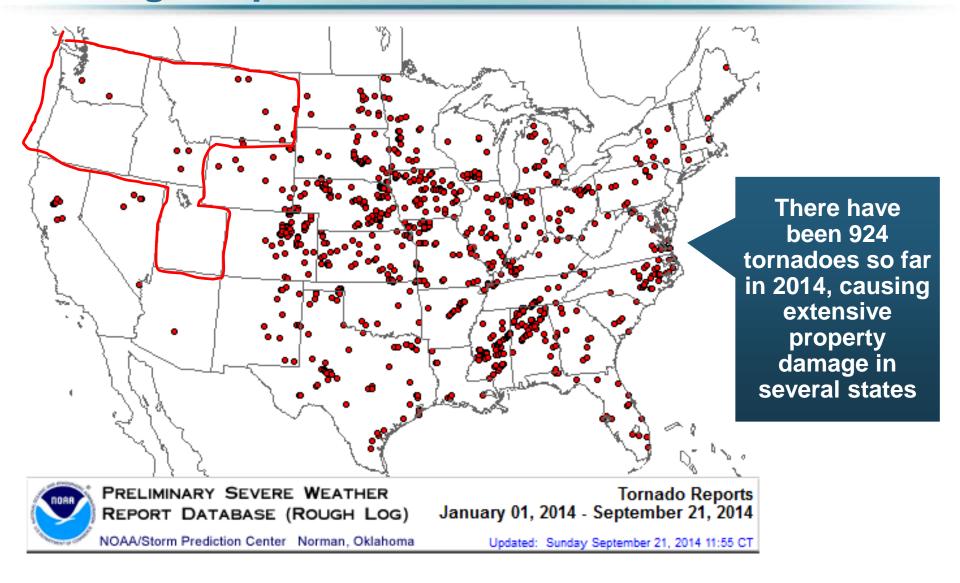


#### **SEVERE WEATHER REPORT UPDATE: 2014**

Damage from Tornadoes, Large Hail and High Winds Keep Insurers Busy

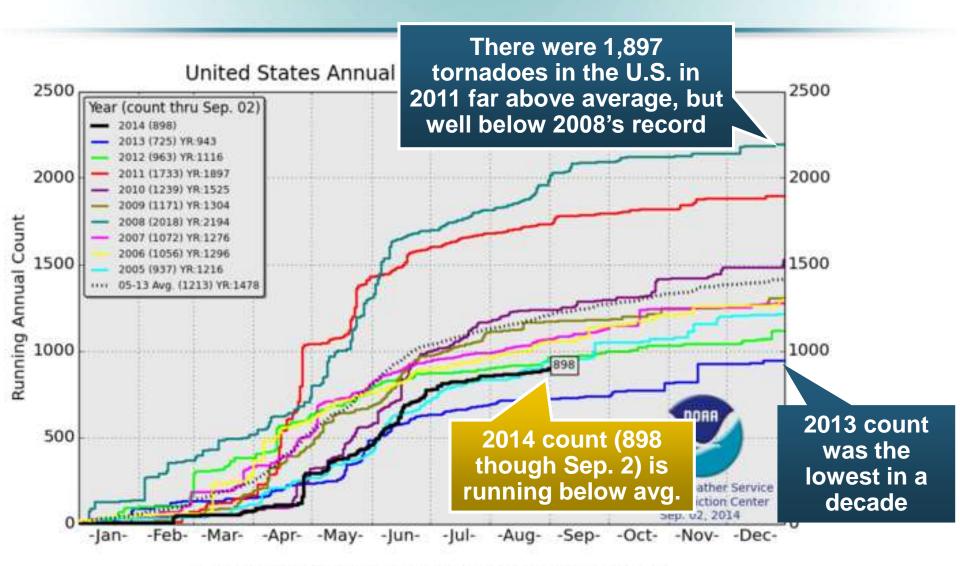
# Location of Tornado Reports in 2014: Through September 21, 2014





#### U.S. Tornado Count, 2005-2014\*





\*Preliminary sightings/events from NWS Local Storm Reports (LSRs)

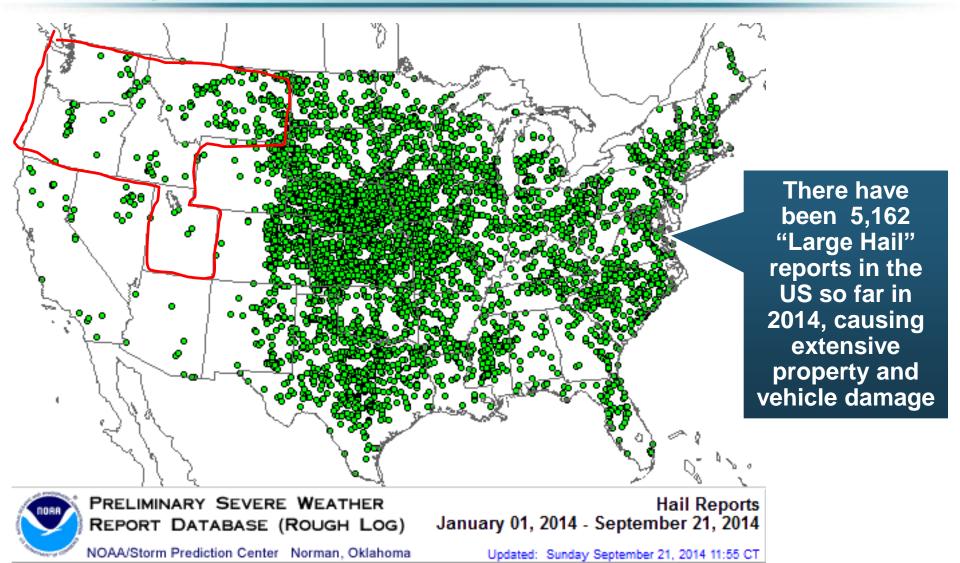
Annual average is based on preliminary LSRs 2005-2013

\*Through Sept. 2, 2014.

Source: http://www.spc.noaa.gov/wcm/.

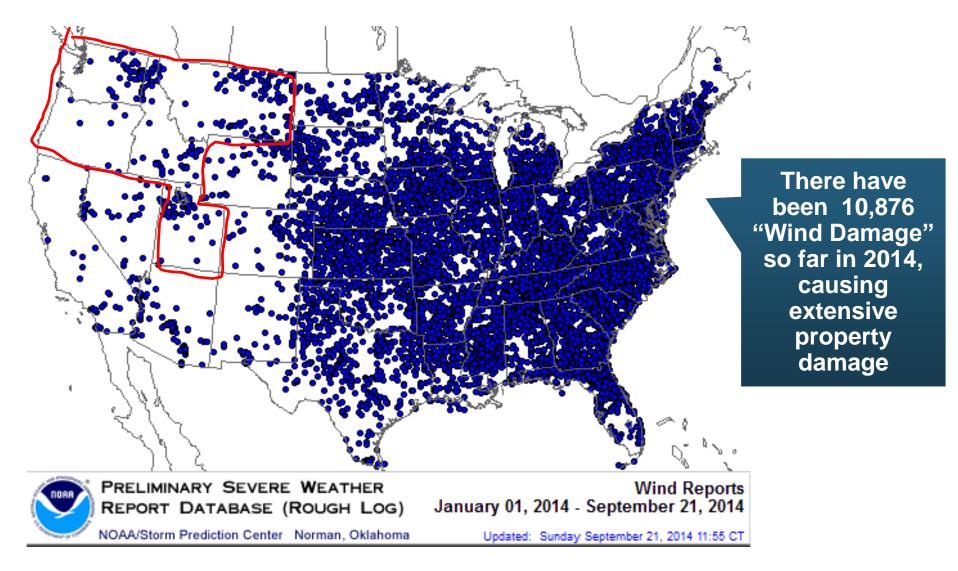
# Location of Large Hail Reports: Through September 21, 2014





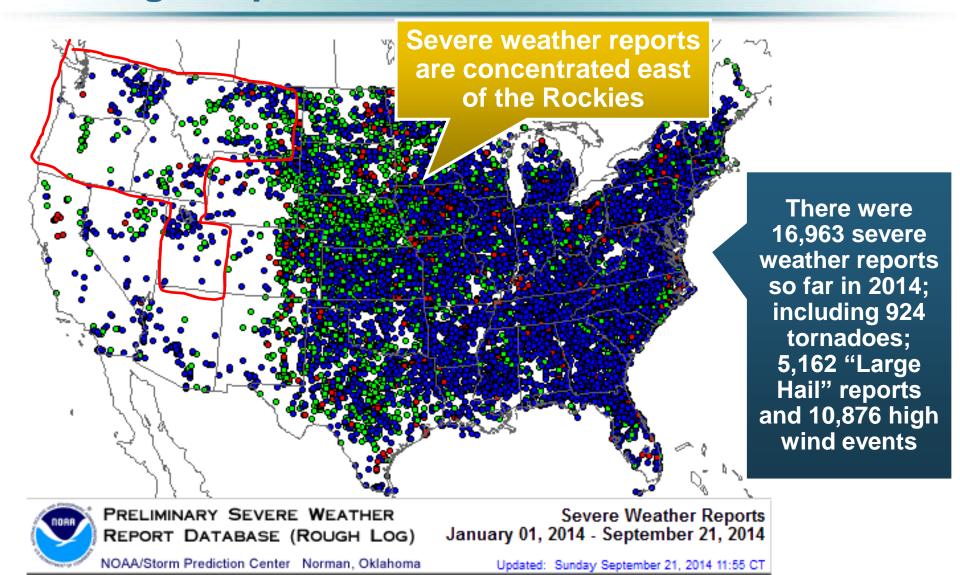
# Location of High Wind Reports: Through September 21, 2014





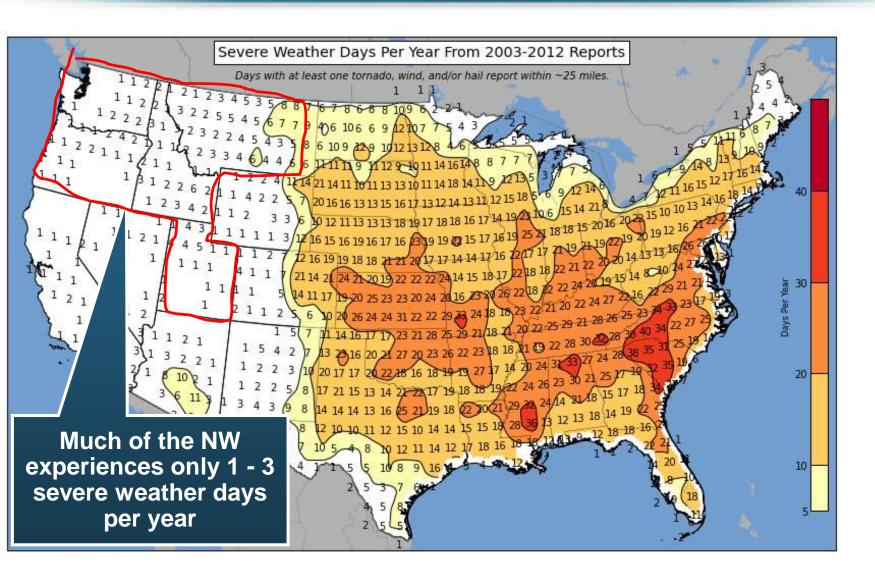
#### Severe Weather Reports: Through September 21, 2014





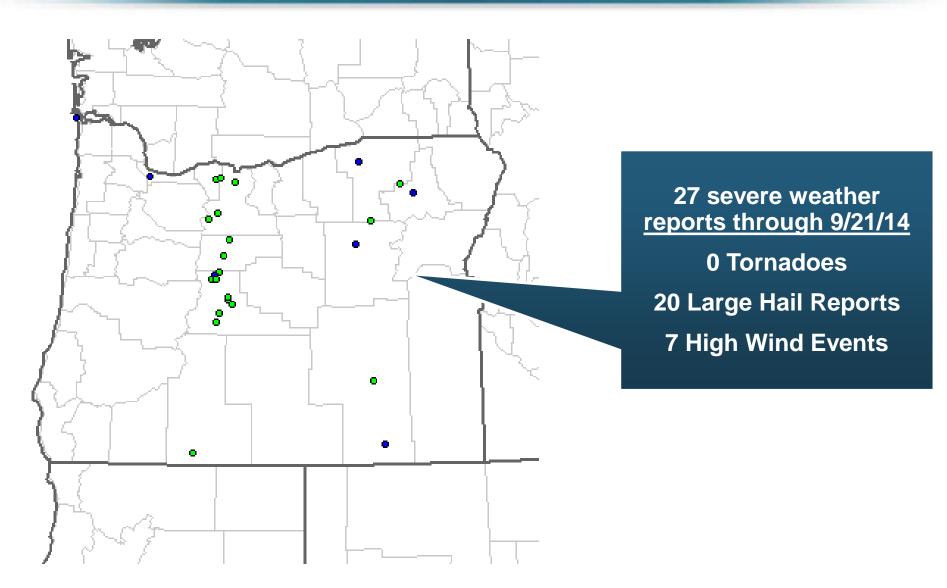
# Severe Weather Days in the Northwest: Annual Average, 2003-2012





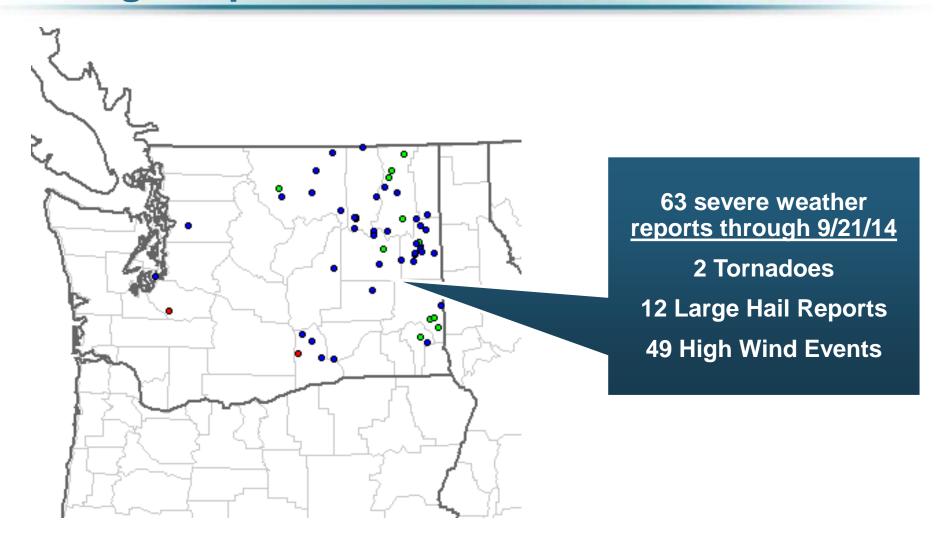
# Severe Weather Reports in Oregon: Through September 21, 2014





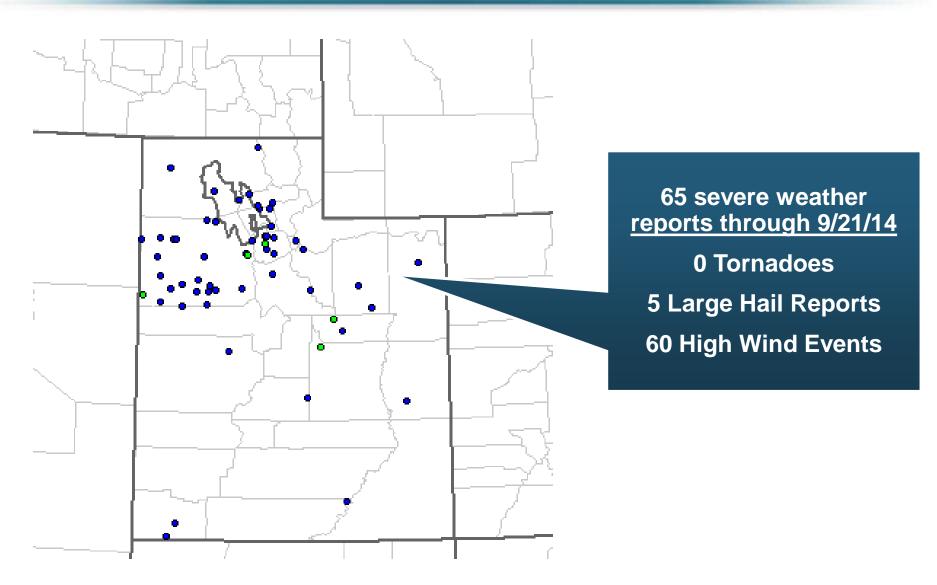
# Severe Weather Reports in Washington: Through September 21, 2014





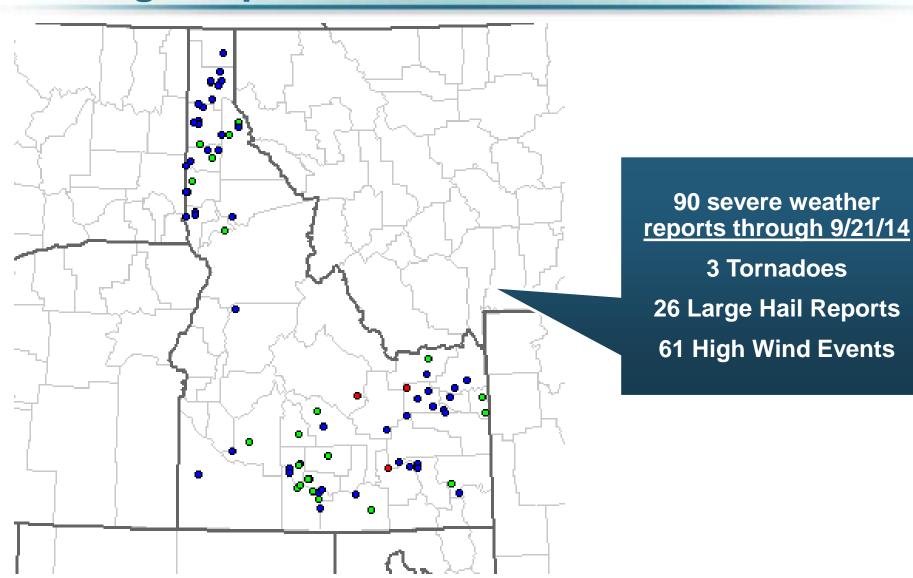
## Severe Weather Reports in Utah: Through September 21, 2014





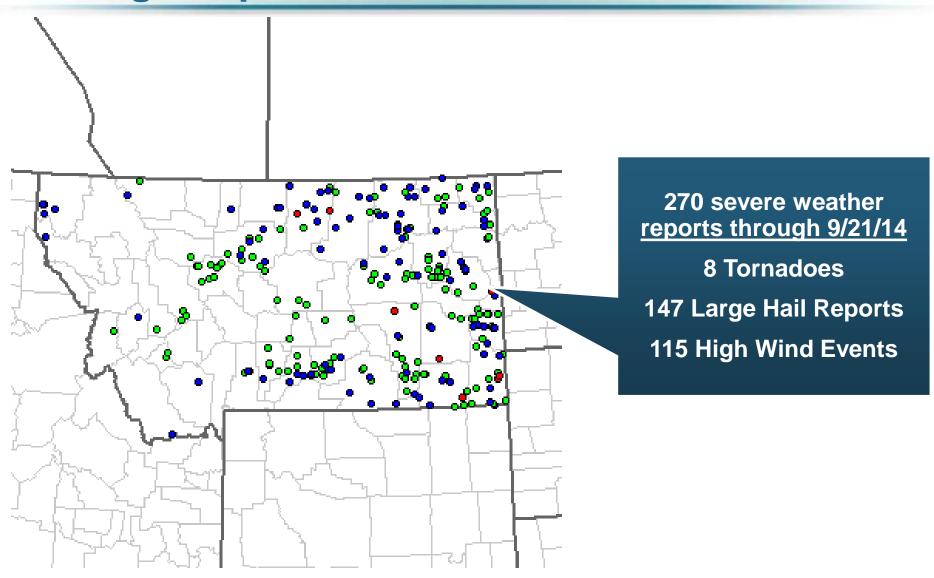
## Severe Weather Reports in Idaho: Through September 21, 2014





# Severe Weather Reports in Montana: Through September 21, 2014







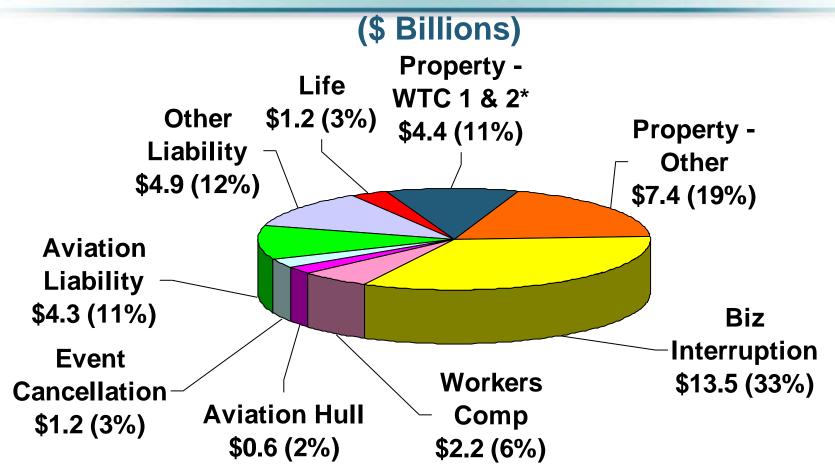
#### **Terrorism Update**

# TRIA's Success Consequences of Expiration

Download III's Terrorism Insurance Report at: <a href="http://www.iii.org/white\_papers/terrorism-risk-a-constant-threat-2014.html">http://www.iii.org/white\_papers/terrorism-risk-a-constant-threat-2014.html</a>

#### Loss Distribution by Type of Insurance from Sept. 11 Terrorist Attack (\$ 2013)





#### **Total Insured Losses Estimate: \$42.9B\*\***

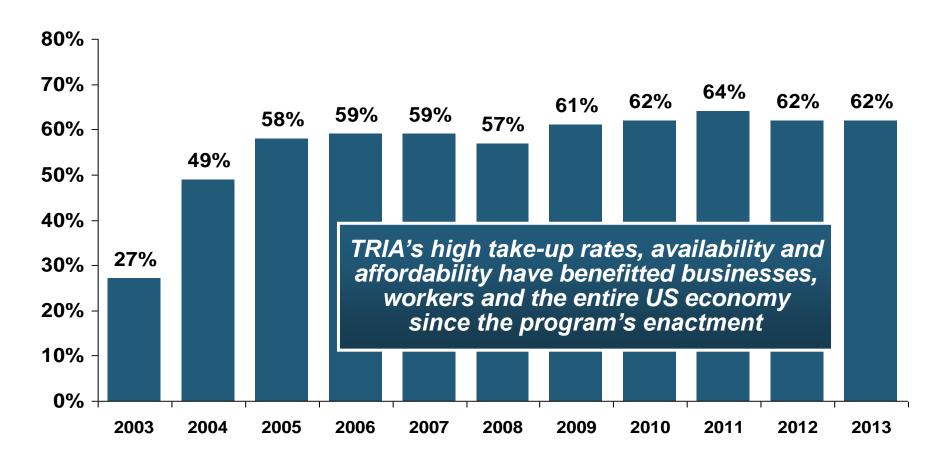
\*Loss total does not include March 2010 New York City settlement of up to \$657.5 million to compensate approximately 10,000 Ground Zero workers or any subsequent settlements.

Source: Insurance Information Institute.

<sup>\*\*\$32.5</sup> billion in 2001 dollars.

## Terrorism Insurance Take-up Rates, By Year, 2003-2013

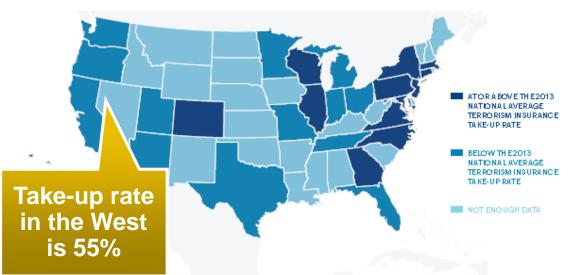




In 2003, the first year TRIA was in effect, the terrorism take-up rate was 27 percent. Since then, it has increased steadily, remaining in the low 60 percent range since 2009.

#### Terrorism Insurance Take-Up Rates by State for 2013\*





ARIZONA	CALIFORNIA	COLORADO	CONNECTICUT	DISTRICT OF COLUMBIA	RORDA
53%	56%	62%	71%	79%	47%
GEORGIA .	HAWAII	ILLINOIS	INDIANA	MARYLAND	MASSACHUSETTS
73%	36%	73%	42%	81%	84%
MICHIGAN	MINNESOTA	MISSOURI	NEW JERSEY	NEW YORK	NORTH CABOLINA
41%	57%	50%	79%	80%	62%
оню	ORBSON	PENNSYLVANIA	темменяе	TEXAS	ОТАН
44%	45%	74%	61%	54%	47%
		34.			
WRGINIA	WASHINGTON	WISCORSIN	The 27 states listed mot the minimum threshold of available 2013 peer data.		
77%	60%	80%			

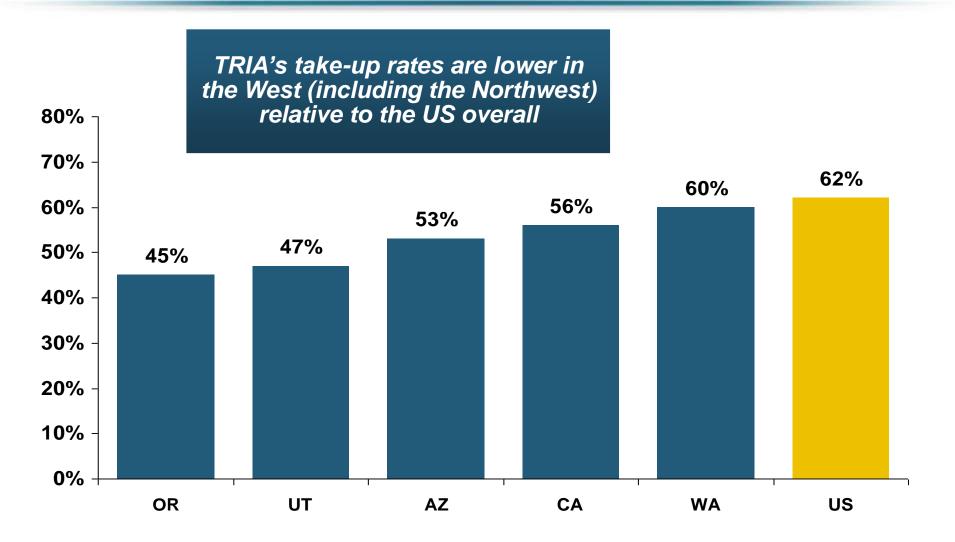
The overall US takeup rate for terrorism coverage was 62% in 2013 and ranged from a lows of 41% in Michigan to a high of 84% in Massachusetts (where demand likely increased due to the April 2013 Boston Marathon bombing)

Source: Marsh 2014 Terrorism Risk Insurance Report; Insurance Information Institute.

<sup>\*</sup>Data for 27 states with sufficient data.

#### **Terrorism Take-up Rates for Selected** Western States: vs. US in 2013





Note: Insufficient data available for ID and MT.

#### **Terrorism Risk Insurance Program**



- Testified before House Financial Services Nov. 2013
- Testified before Senate Banking Cmte. in Sept. 2013
- Provided testimony at NYC hearing in June 2013
- Provided Capitol Hill Joint House/Senate Staff Briefing in April 2014
- I.I.I. Published Several Updates to its Study on Terrorism Risk and Insurance



House Financial Services
Subcommittee, 11/13/13

RESLECT D

#### I.I.I. White Paper (March 2014): Terrorism Risk: A Constant Threat





#### TERRORISM RISK: A CONSTANT THREAT

Impacts for Property/Casualty Insurers

MARCH 2014

Robert P. Hartwig, Ph. D. CPCU Prelident (2 12) \$46-5520 bobh@ill.org

Claire Wilking on Consultant (9.17.) 459-6497 claire welli.org

- Detailed history of TRIA
- How TRIA works
- Assessing the threat of terrorism
- Terrorism market conditions
- Global perspective
- Download at

http://www.iii.org/white\_papers/ terrorism-risk-a-constantthreat-2014.html

#### Summary of President's Working Group Report on TRIA



- Insurance for terrorism risk is available and affordable
  - Availability/affordability have has not changed appreciably since 2010
- Prices for terrorism risk insurance vary considerably depending on the policyholder's industry and location of risk
- Prices have declined since TRIA was enacted
  - Currently ~3% to 5% of commercial property insurance premiums
- Take-up rates have improved since adoption of TRIA
  - Overall take-up rate is steady at ~60% (62% in 2013 per Marsh)
- Market capacity is currently tightening given uncertainty over TRIA reauthorization
- The private market does not have the capacity to provide reinsurance for terror risk to the extent currently provided by TRIA
- In the absence of TRIA, terrorism risk insurance would likely be less available. Coverage that would be available likely would be more costly and/or limited in scope

Source: Report of the President's Working Group on Financial Markets, The Long-Term Availability and Affordability of Insurance for Terrorism Risk, April 2014.

### Framing the Issue and Educating Policymakers: A Timeline



- Education Efforts Pay Off
  - Senate Banking Committee unanimously reports out TRIA bill 22-0
  - House Financial Services Committee passes bill
  - Senate passes bill with strong support; Votes 93-4 to reauthorize on 7/17
- Key addition to bills: clarification on certification process, cyber terrorism
- Where do we go from here? Are difference between the bills bridgeable?
  - Reauthorization terms differ (Senate: 7yrs; House: 5yrs)
  - Bifurcation of NBCR and conventional
  - Trigger points (\$100M vs. \$500M)
- Clock is running: After July 31, the House is in session for only 12 days before the election
  - Lame duck for enactment? Even that's in jeopardy!

Source: Marsh

# Initial Market Response to Potential TRIA Expiration



- Carriers monitoring and modeling WC exposure aggregations across their portfolio and correlated lines of business such as property or life and health (both on an individual client basis and in the aggregate)
- Carrier declinations have occurred because they are "overlined" in a particular zip code or city
- Many carriers attached NCCI Endorsement WC00 01 14 (Notification Endorsement of Pending Law Change to Terrorism Risk Insurance Program Reauthorization Act of 2007) or an equivalent for non-NCCI states.
- For some high-profile clients or those in urban areas and/or with high employee concentrations, carriers issued short term policies set to expire at the same time as TRIPRA
- Regarding non-WC lines (including select XSWC placements), policyholders were faced with new or broadened exclusionary wording on GL, umbrella, and XS forms

Source: Marsh



# CAT OF THE FUTURE? CYBER RISK

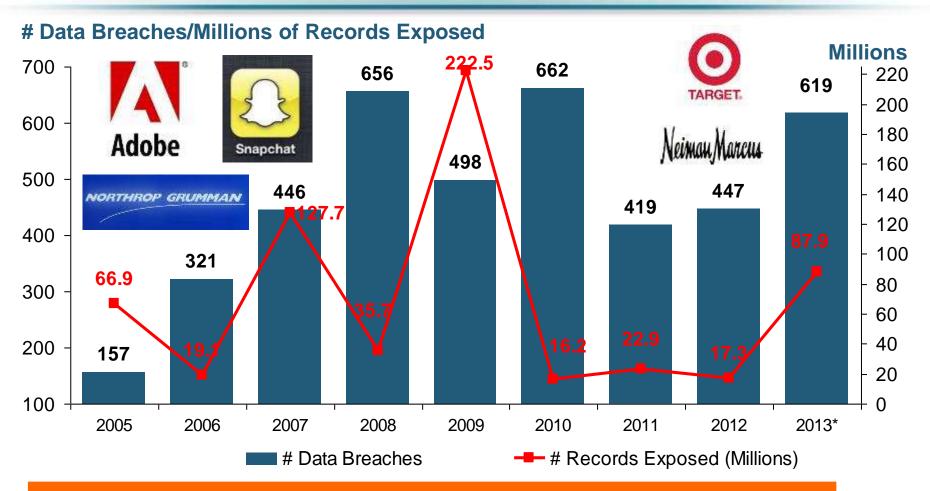
#### Cyber Risk is a Rapidly Emerging Exposure for Businesses Large and Small in Every Industry

**NEW III White Paper:** 

http://www.iii.org/assets/docs/pdf/paper\_CyberRisk\_2013.pdf

# Data Breaches 2005-2013, by Number of Breaches and Records Exposed





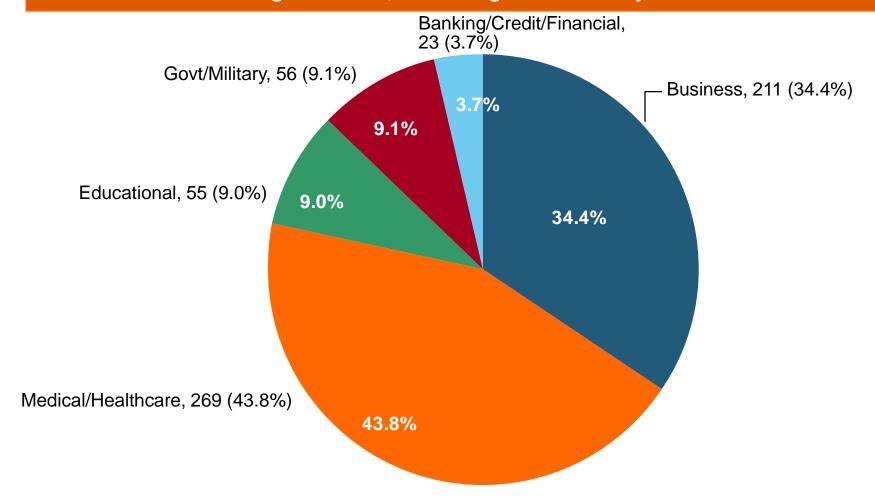
The Total Number of Data Breaches (+38%) and Number of Records Exposed (+408%) in 2013 Soared

<sup>\* 2013</sup> figures as of Jan. 1, 2014 from the ITRC updated to an additional 30 million records breached (Target) as disclosed in Jan. 2014. Source: Identity Theft Resource Center.

# 2013 Data Breaches By Business Category, By Number of Breaches



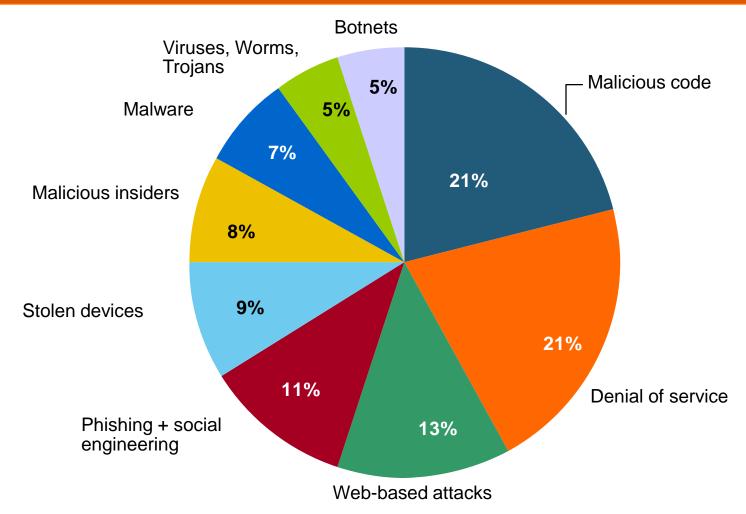
The majority of the 614 data breaches in 2013 affected business and medical/healthcare organizations, according to the Identity Theft Resource Center.



### The Most Costly Cyber Crimes, Fiscal Year 2013



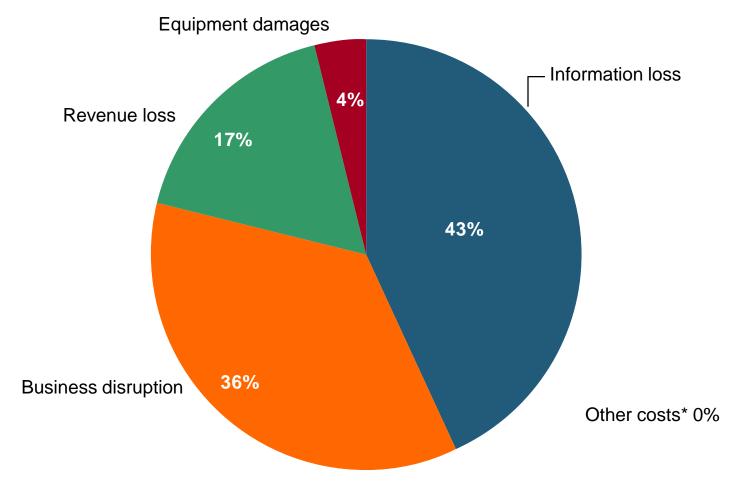
Denial of service, malicious code and web-based attacks account for more than 55 percent of all cyber costs per U.S. organization on an annual basis.



### **External Cyber Crime Costs: Fiscal Year** 2013



Information loss (43%) and business disruption or lost productivity (36%) account for the majority of external costs due to cyber crime.



<sup>\*</sup> Other costs include direct and indirect costs that could not be allocated to a main external cost category Source: 2013 Cost of Cyber Crime: United States, Ponemon Institute.



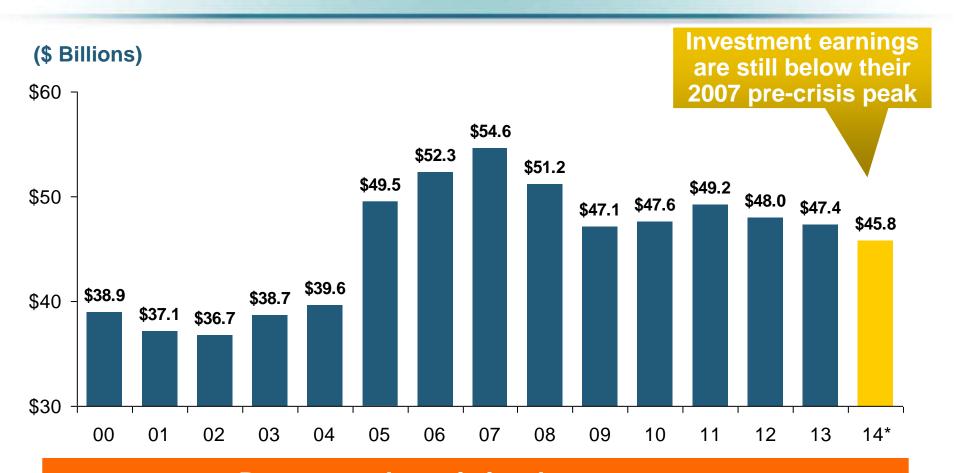
#### INVESTMENTS: THE NEW REALITY

Investment Performance is a Key Driver of Profitability

Depressed Yields Will Necessarily Influence Underwriting & Pricing

#### Property/Casualty Insurance Industry Investment Income: 2000–2014<sup>1</sup>



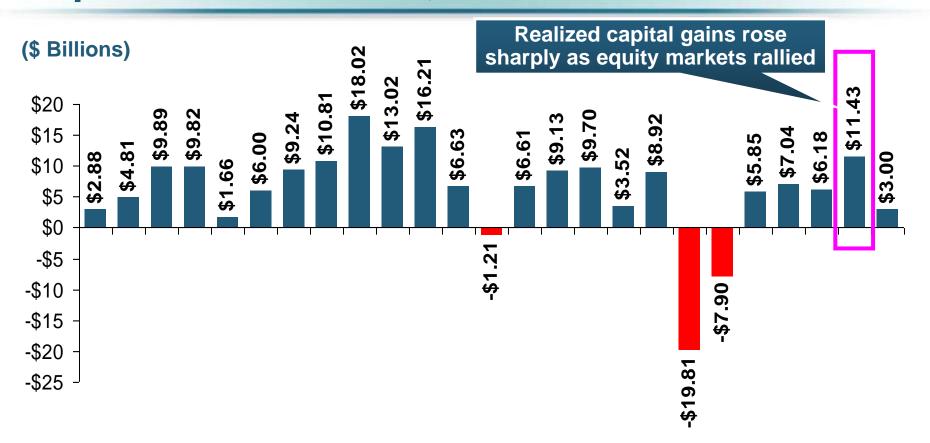


Due to persistently low interest rates, investment income fell in 2012 and in 2013 and is falling again in 2014.

<sup>&</sup>lt;sup>1</sup> Investment gains consist primarily of interest and stock dividends. Sources: ISO; Insurance Information Institute.

## P/C Insurer Net Realized Capital Gains/Losses, 1990-2014:Q1





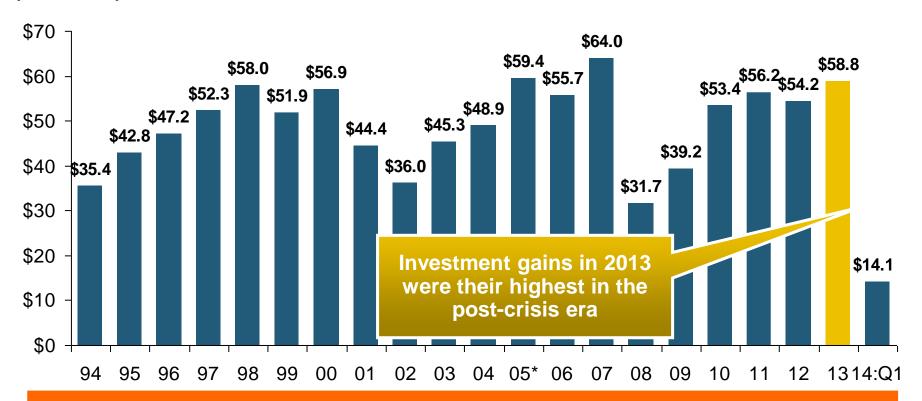
90 91 92 93 94 95 96 97 98 99 00 01 02 03 04 05 06 07 08 09 10 11 12 1314:Q1

Insurers Posted Net Realized Capital Gains in 2010 - 2013 Following Two Years of Realized Losses During the Financial Crisis. Realized Capital Losses Were a Primary Cause of 2008/2009's Large Drop in Profits and ROE

### Property/Casualty Insurance Industry Investment Gain: 1994–2014:Q1<sup>1</sup>



#### (\$ Billions)



Investment Income Continued to Fall in 2013 Due to Low Interest Rates but Realized Investment Gains Were Up Sharply; The Financial Crisis Caused Investment Gains to Fall by 50% in 2008

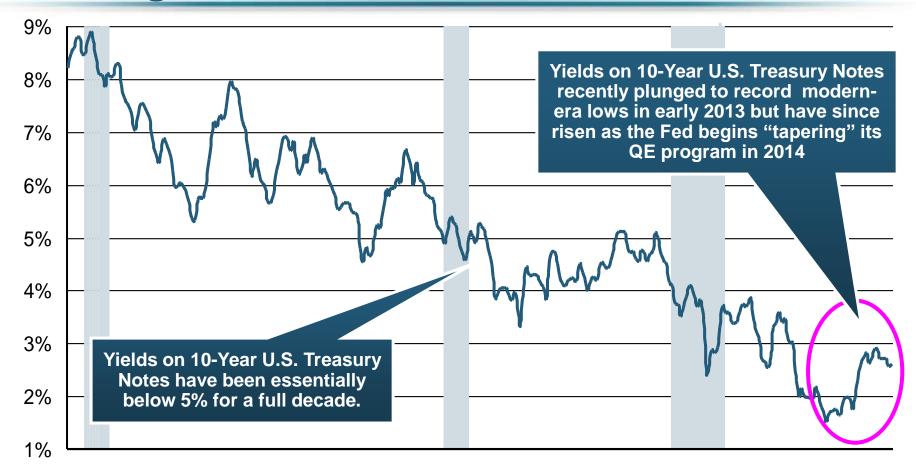
Sources: ISO: Insurance Information Institute.

<sup>&</sup>lt;sup>1</sup> Investment gains consist primarily of interest, stock dividends and realized capital gains and losses.

<sup>\* 2005</sup> figure includes special one-time dividend of \$3.2B;

### U.S. 10-Year Treasury Note Yields: A Long Downward Trend, 1990–2014\*





'90 '91 '92 '93 '94 '95 '96 '97 '98 '99 '00 '01 '02 '03 '04 '05 '06 '07 '08 '09 '10 '11 '12 '13 '14

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.

<sup>\*</sup>Monthly, through June 2014. Note: Recessions indicated by gray shaded columns. Sources: Federal Reserve Bank at http://www.federalreserve.gov/releases/h15/data.htm.

#### U.S. Treasury Security Yields: A Long Downward Trend, 1990–2014\*





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.

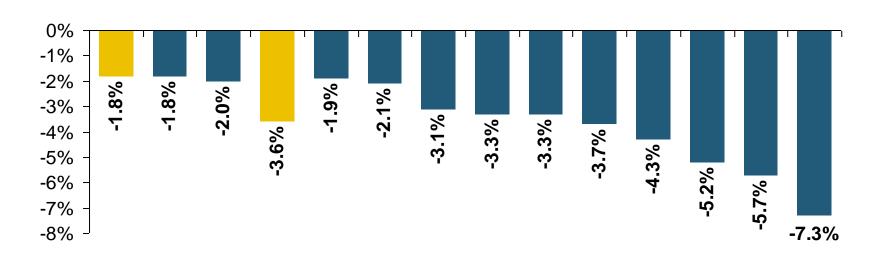
Sources: Federal Reserve Bank at <a href="http://www.federalreserve.gov/releases/h15/data.htm">http://www.federalreserve.gov/releases/h15/data.htm</a>. National Bureau of Economic Research (recession dates); Insurance Information Institute.

<sup>\*</sup>Monthly, constant maturity, nominal rates, through Aug. 2014.

# 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

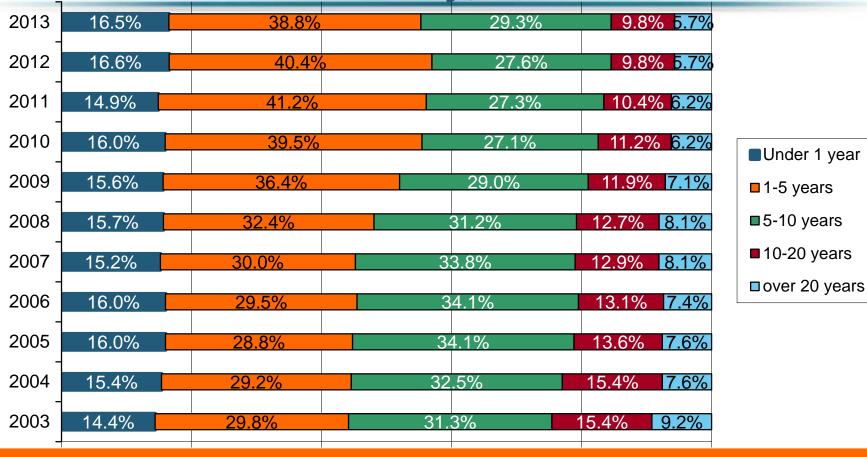
Source: A.M. Best; Insurance Information Institute.

<sup>\*</sup>Based on 2008 Invested Assets and Earned Premiums

<sup>\*\*</sup>US domestic reinsurance only

### Distribution of Bond Maturities, P/C Insurance Industry, 2003-2013





The main shift over these years has been from bonds with longer maturities to bonds with shorter maturities. The industry first trimmed its holdings of over-10-year bonds (from 24.6% in 2003 to 15.5% in 2012) and then trimmed bonds in the 5-10-year category (from 31.3% in 2003 to 27.6% in 2012). Falling average maturity of the P/C industry's bond portfolio is contributing to a drop in investment income along with lower yields.

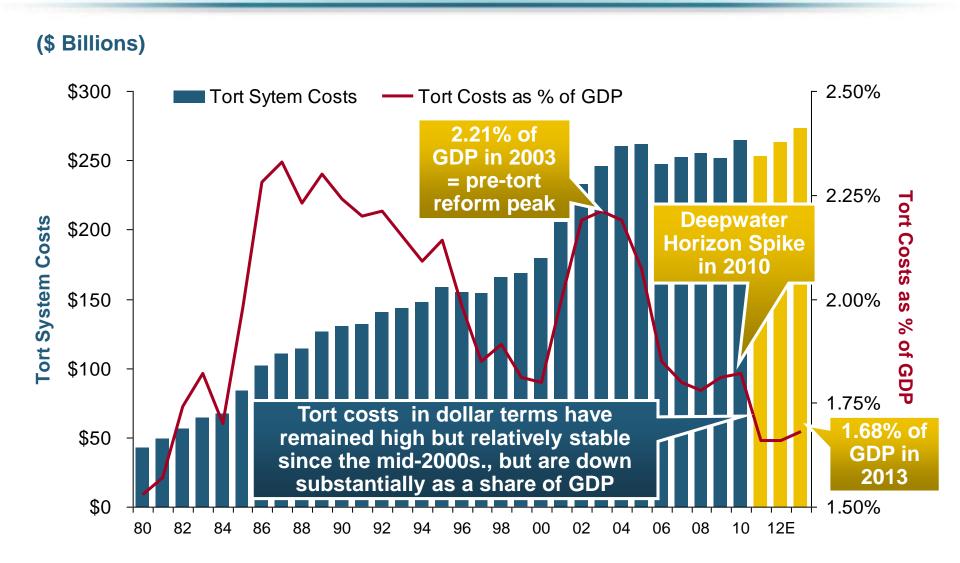


# Shifting Legal Liability & Tort Environment

Is the Tort Pendulum
About to Swing Against Corporate
America and their Insurers?

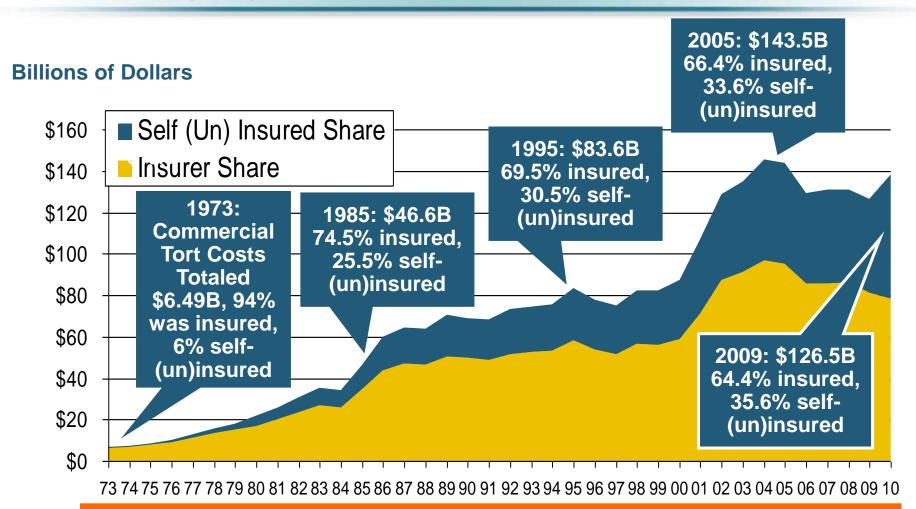
#### Over the Last Three Decades, Total Tort Costs as a % of GDP Appear Somewhat Cyclical, 1980-2013E





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

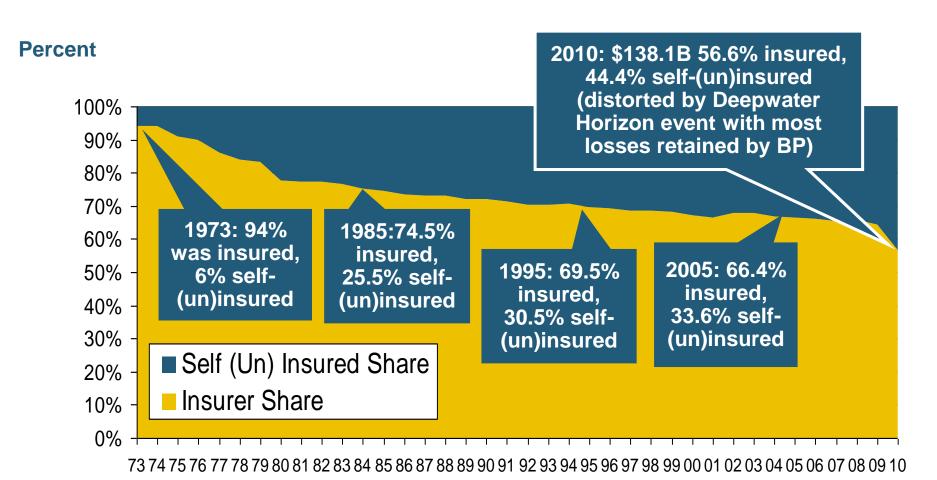




Tort Costs and the Share Retained by Risks Both Grew Rapidly from the mid-1970s to mid-2000s, When Tort Costs Began to Fall But Self-Insurance Shares Continued to Rise

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





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. lowa

#### **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: 2012/2013







#### **Insurance Information Institute Online:**

#### www.iii.org

# Thank you for your time and your attention!

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