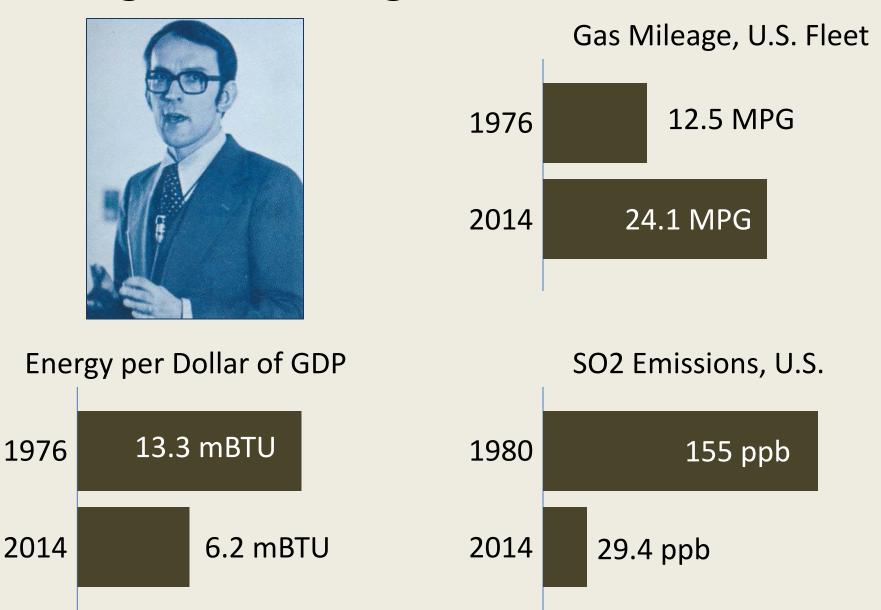


By Patrick M. Barkey

#### **Things Have Changed Since 1976**



#### The Revolution is Very Recent

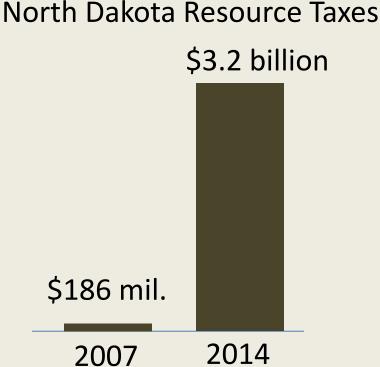
Vehicle-Miles Travelled: Growing Since World War II

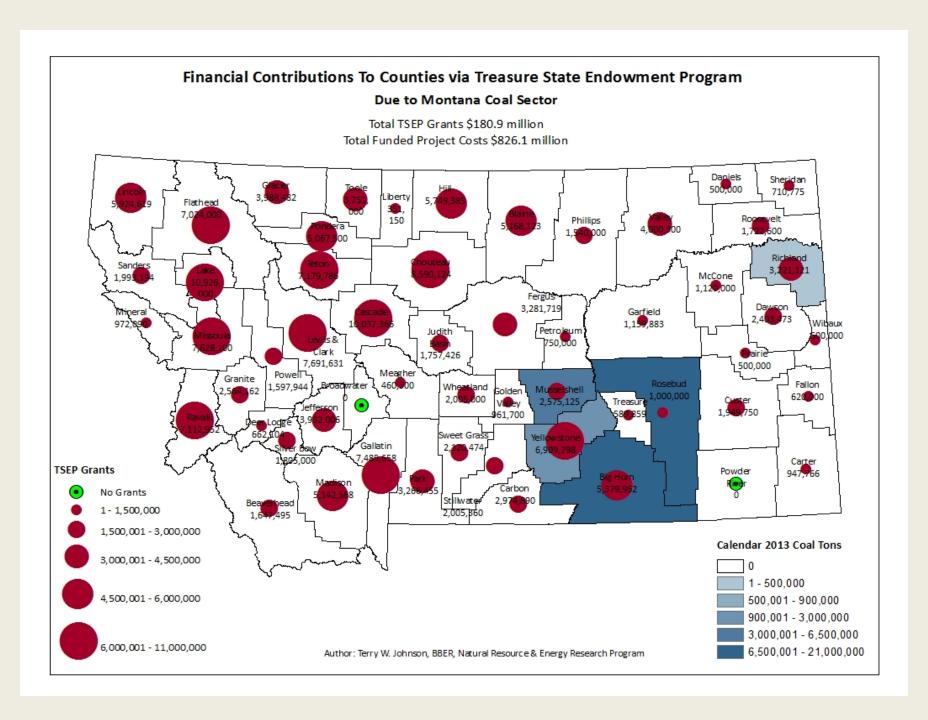
Stagnant Since 2007

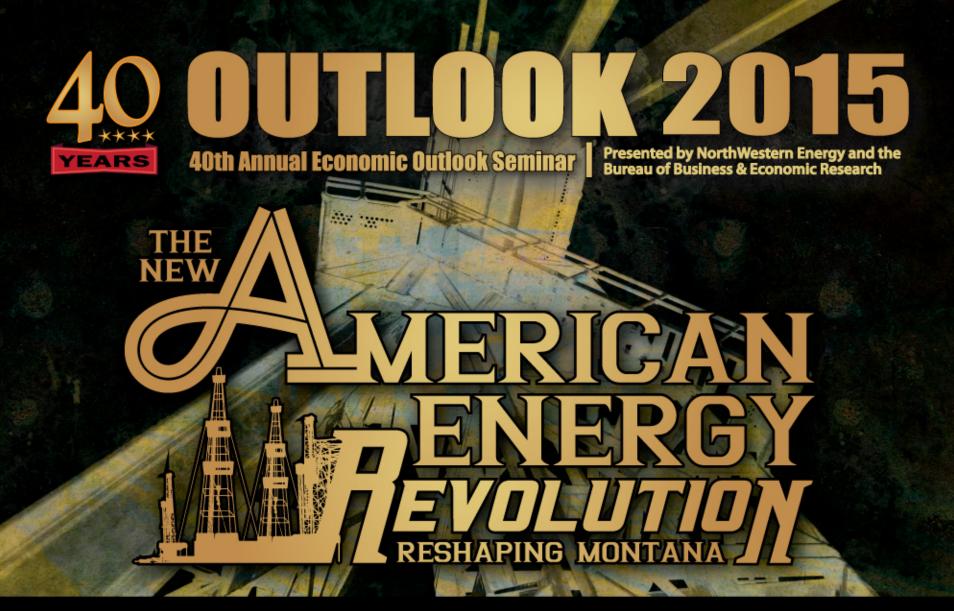
U.S. Crude Oil Production: Declining since 1970

Up by 92% since 2008









By Patrick M. Barkey

### Oil Markets Deliver a Surprise



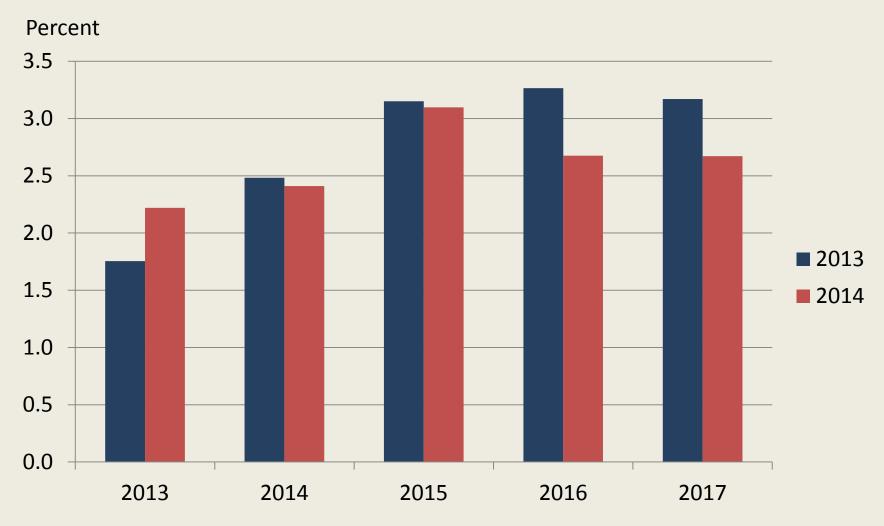
# The Global, National and State Economic Outlook

Patrick M. Barkey, Director
Bureau of Business and Economic Research
University of Montana

#### **National and Global Developments**

- Best six month performance of the U.S.
   economy since well before the recession
- Evidence of stronger, more bullish small business activity
- Global outlook dims
- Declining oil prices reverberating around the world

## **Economic Performance Finally Meeting Expectations Forecasts of U.S. Real GDP Growth, Percent**



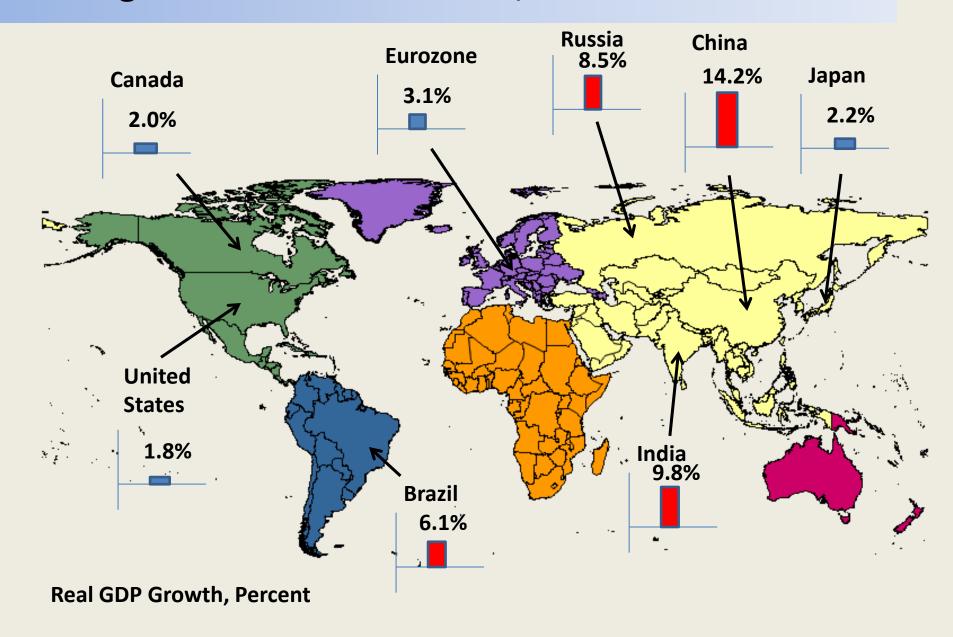
Source: IHS, Inc.

#### **U.S. Labor Market is Getting Better**

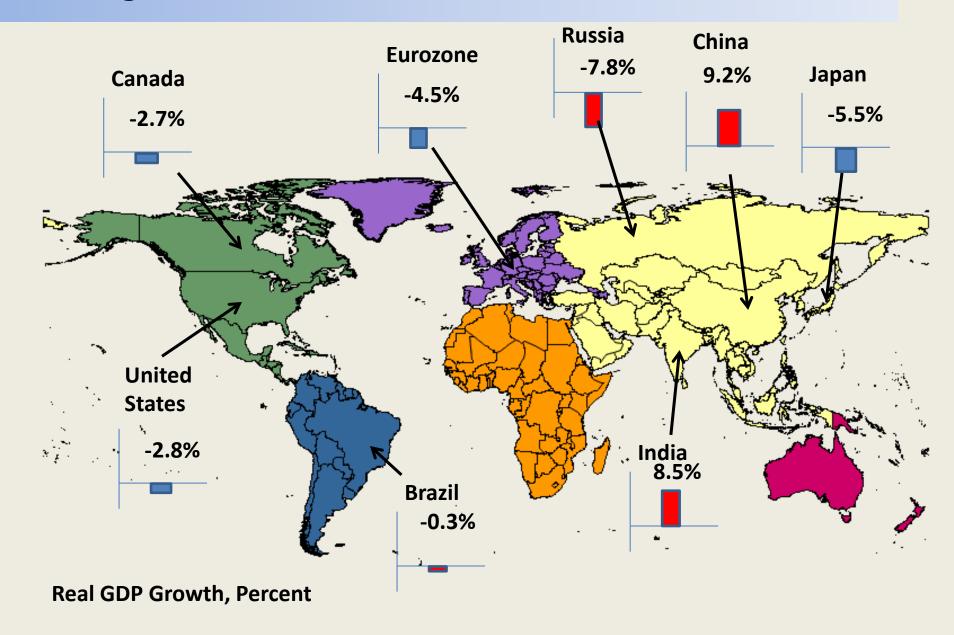




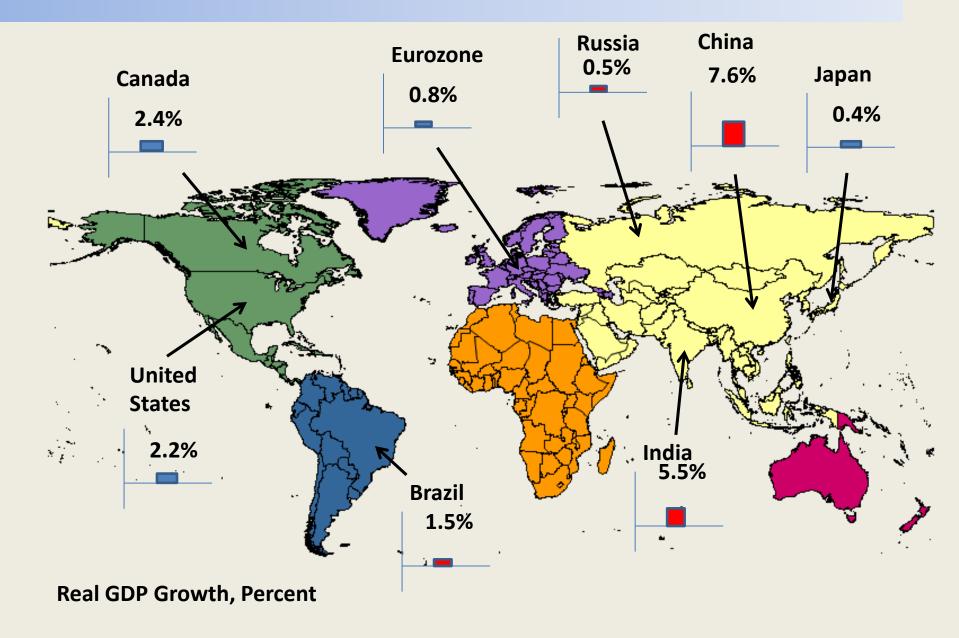
#### Taking a Tour of Global Growth, 2007



#### Taking a Tour of Global Growth, 2009



#### Taking a Tour of Global Growth, 2014



#### **U.S. Outlook Summary**

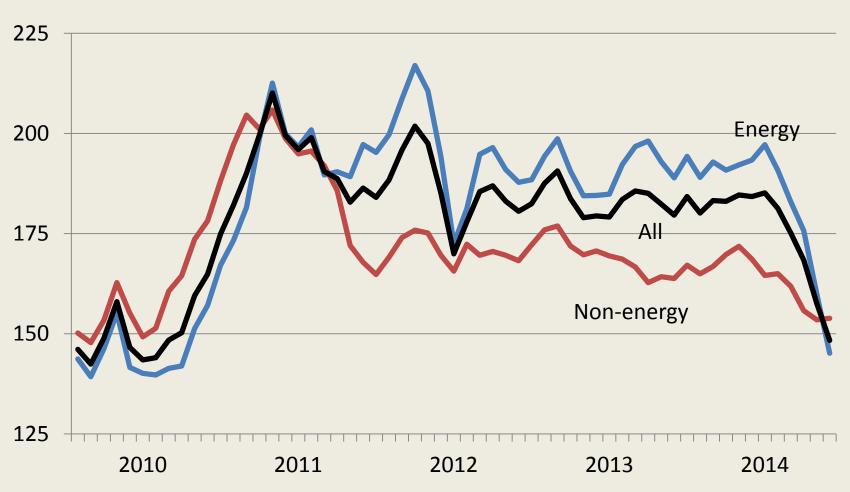
- Self-sustaining cycle of income growth and consumer spending
- Stronger dollar
- No inflation
- Higher interest rates
- An island of growth in the global economy for how long?

#### Montana's Growth: More Balanced, but Slower

- Growth patterns starting to look more like ten years ago
- The commodity boom is over, will agriculture prices follow?
- Labor markets are quietly getting tighter
- Tourist and visitor spending growth appears healthy
- Bakken price point has been reached

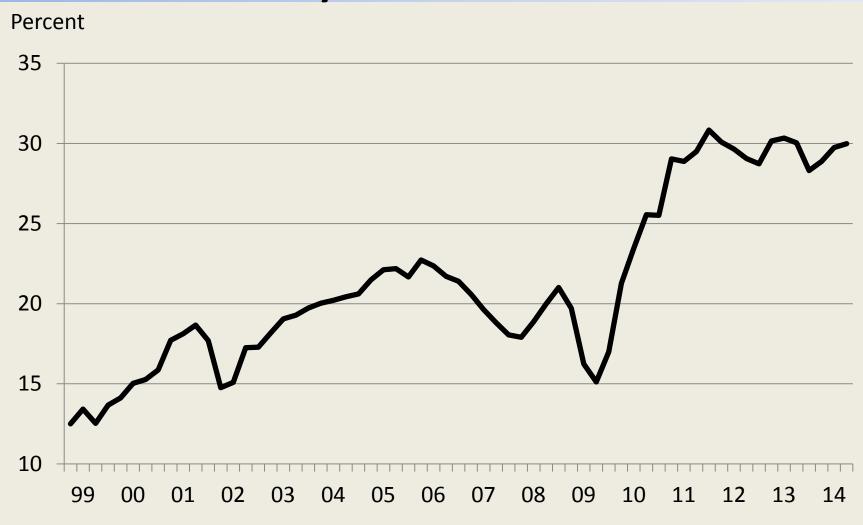


#### **IMF Commodity Price Indices (2005 = 100)**



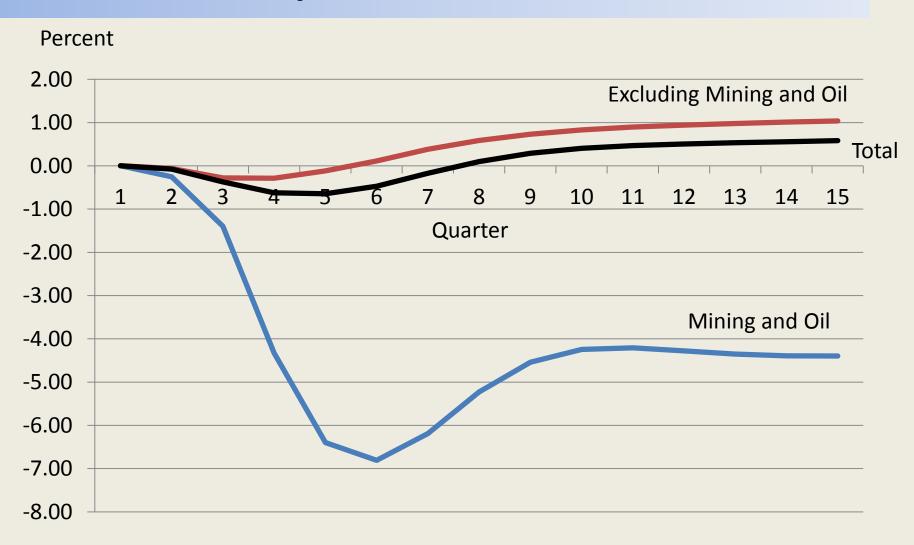
Source: International Monetary Fund

## Oilfield Investments Have Been a Big Driver of the U.S. Economy



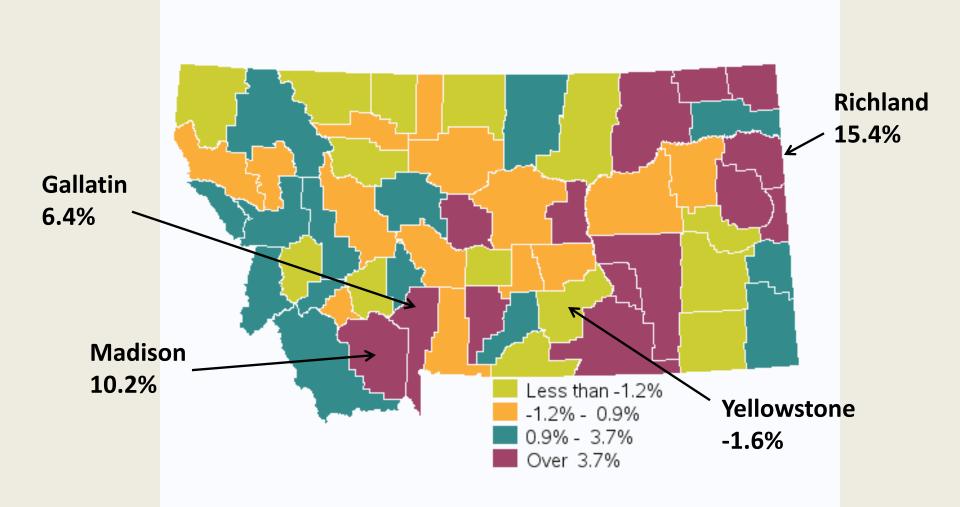
Oilfield Investment Share of Nonresidential Structures Investment, U.S.

#### **Investment Response to Price Shock**



#### **Real Payroll Wages Growth**

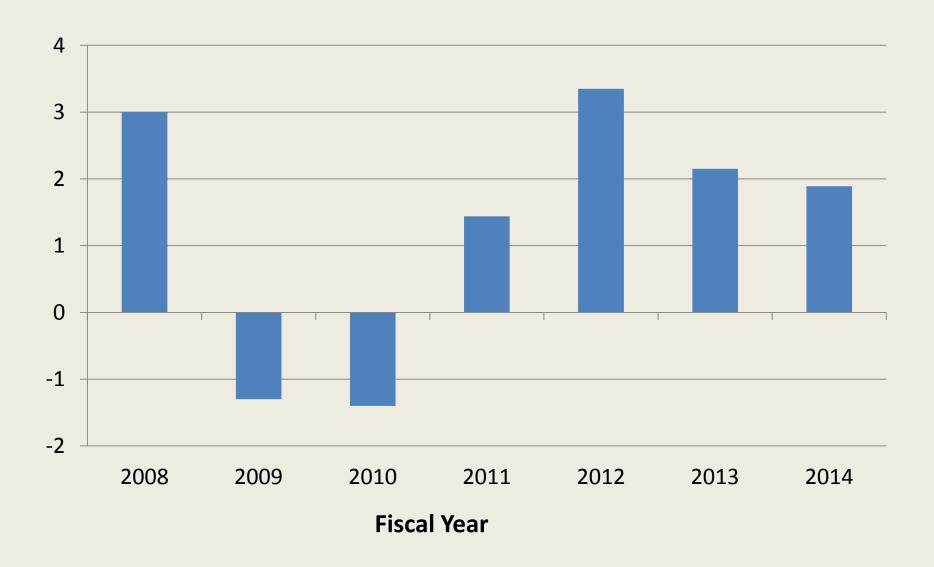
Percent Change, 13Q2-14Q2



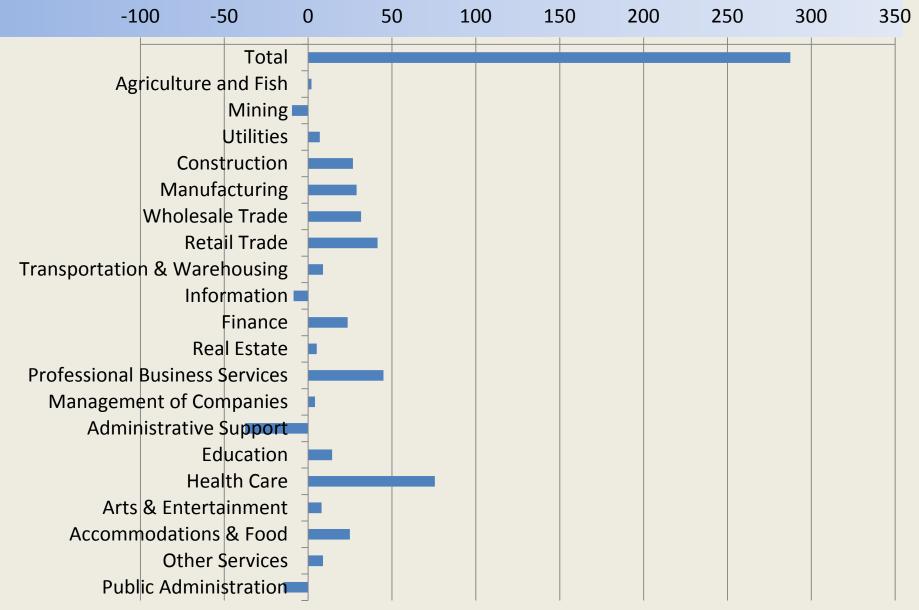
Source: U.S. Bureau of Labor Statistics. Data are seasonally adjusted.

#### **Montana's Recent Growth**

Percent Change in Real Wages and Salaries

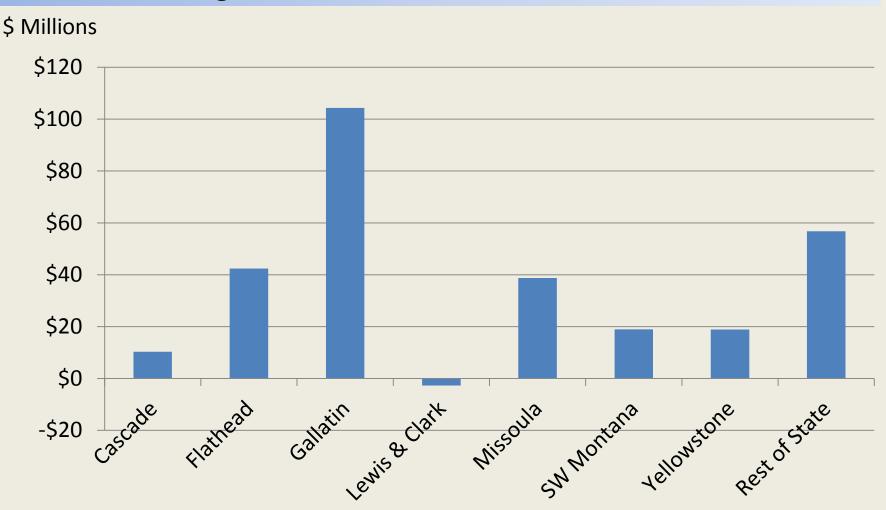


## Montana Growth in Real Wages, FY2013-FY2014, \$ Millions



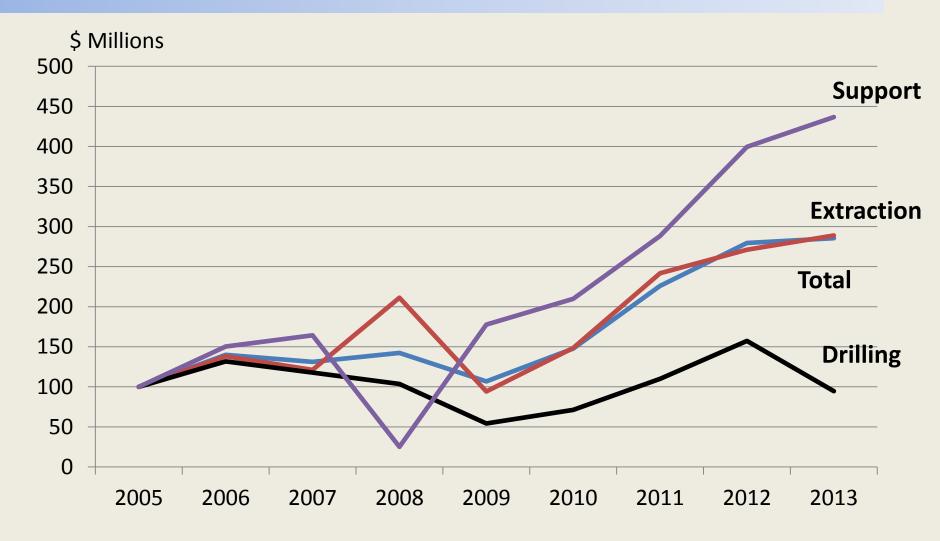
#### Where's the Growth?

#### **Total Real Wage Growth, \$ million**



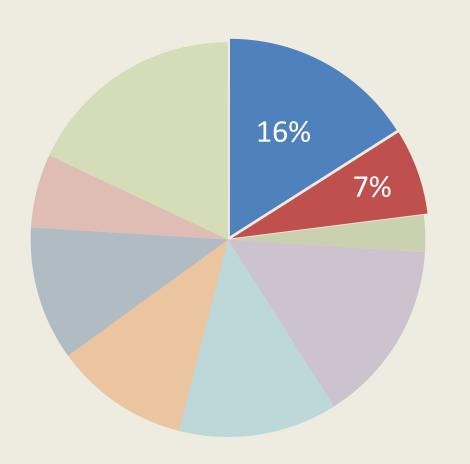
Difference between Inflation-adjusted Wages and Salaries, FY2014 vs. FY2013

#### **Decomposing Oil and Gas Growth**



Montana Oil and Gas Earnings by Year

#### **Outlook for Key Industries**

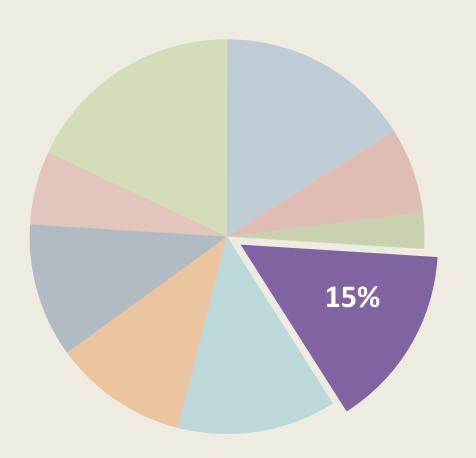


#### **Energy and Mining:**

Significant declines in investment, beginning in mid-2015.

Composition of Earnings in Montana's Basic Industries, 2012-14

#### **Outlook for Key Industries**



#### **Agriculture and Related:**

Coming off a tremendous financial year.

Composition of Earnings in Montana's Basic Industries, 2011-13

#### **Tracking Montana's High Tech Companies**

Bee Alert Technology

Purity Systems, Inc.

**Sunburst Sensors** 

Rivertop Renewables

Visual Learning Systems

**Endobiologics** 

AquilaVision

**TerraEchos** 

Transynaptic Technologies

GT NeuroPharma

Sinapis Pharma

Submittable

Oracle

Microbion

Siafu Technology

Montana Molecular

Ticket River

**Zoot Enterprises** 

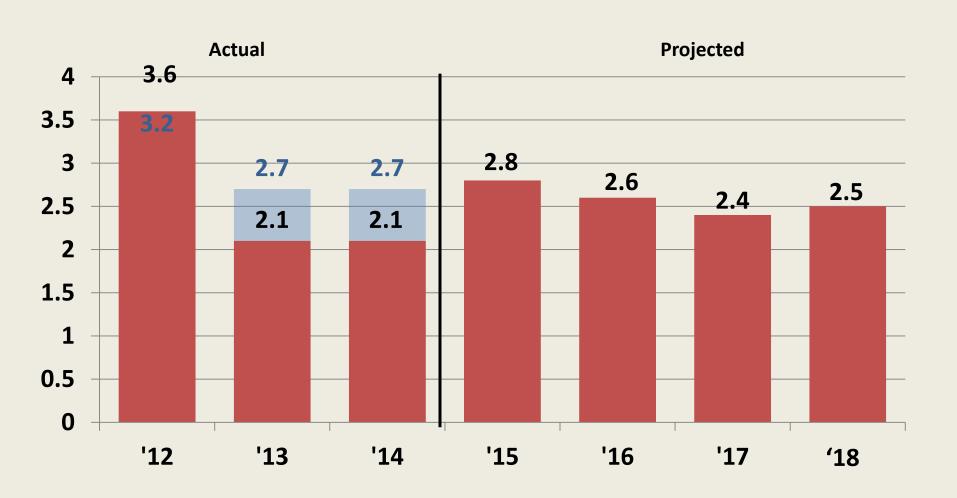
Elation Corp.

**Montana Photonics** 

LMG Security

#### Change in Nonfarm Earnings,

Montana, 2012-2018



### **Questions?**