COLORADO

BUSINESS ECONOMIC OUTLOOK

2009





Dr. Dennis Ahlburg

Dean Leeds School of Business

University of Colorado at Boulder





Business Research Division

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Colorado University of Colorado at Boulder



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Today's Activities

- 1:00 Presentation of Colorado Forecast
- 2:00 Panel Discussion
- 2:30 Keynote Address by Lee A. McIntire, CH2M HILL
- 3:15 Breakout Sessions



Industry Breakout Sessions

- An Energy Update and Policy Issues Facing the State and the Next Administration (*Mt. Oxford Room*)
- The Future of Finance, Banking, and Equity Markets (*Mt. Columbia Room*)
- Is There a Crisis in Colorado Real Estate Markets? (Maroon Peak Room)





Rafael Bustillo

Denver President BBVA Compass



Dr. Dennis Ahlburg

Dean Leeds School of Business

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Dr. Richard L. Wobbekind

Executive Director of BRD Associate Dean for Graduate and Enterprise Programs









Ms. Patty Silverstein

President Development Research Partners



Business Leaders Confidence Index

BUSINESS LEADERS CONFIDENCE INDEX®



BLCI Survey

- Please take a few moments to fill out the BLCI Survey found on your chair.
- You may leave your completed survey under your chair and we will collect them following the presentation.

BLCI BUSINESS LEADERS CONFIDENCE INDEX'

Registration Information - Please help us analyze the BLCI results by providing the following panelist registration information. This information is required for us to understand panel composition. It is used only for analysis and to contact you about future BLCI surveys; it will not be sold or voluntarily provided to outside third parties. Please complete all information or attach a business card using the adhesive.

Industry

- Agriculture, Forestry, Fishing and Hunting
- □ Mining
- Utilities
- □ Construction
- Manufacturing
- □ Wholesale Trade
- Retail Trade
- Transportation and Warehousing
- Information
- □ Finance and Insurance
- Real Estate, Rental and Leasing

Annual Sales

- □
 Under \$1 million
 □
 \$50 to \$100 million

 □
 \$1 to \$5 million
 □
 \$100 to \$250 million

 □
 \$5 to \$10 million
 □
 More than \$250 million
- □ \$10 to \$25 million □ Undisclosed
- □ \$25 to \$50 million

BLCI Survey

Comparing the upcoming quarter to the current quarter, what are your expectations for change in the following categories?

	Strong Decrease	Moderate Decrease	No Change	Moderate Increase	Strong Increase
Industry Sales					
Industry Profits					
Industry Hiring Plans					
Industry Capital Expenditures					
	Much Worse	Somewhat Worse	Remain the Same	Somewhat Better	Much Better
State Economic Outlook					
National Economic Outlook					
				BBVA CO	ompass



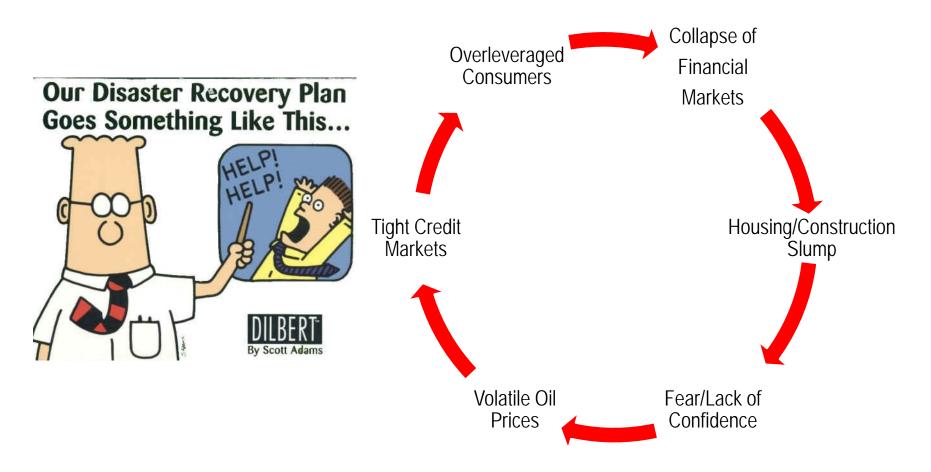
Remove sticker and attach business card

- E-Mail:
- Professional, Scientific and Technical Services
- Management of Companies and Enterprises
- Administration, Support, Waste Management, and Remediation Services
- Education Services
- Health Care and Social Assistance
- Arts, Entertainment and Recreation
- Accommodation and Food Services
- Other Services (except Public Administration)
- Public Administration

Number of Employees

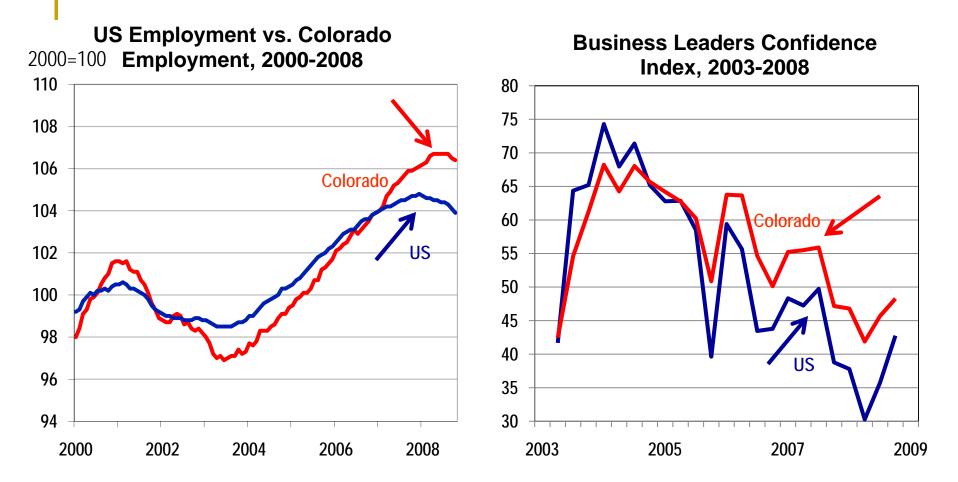
None	20 to 99
1 to 4	100 to 499
5 to 9	500 to 999
10 to 19	1,000 or more

US Outlook Events Shaping US Economy 2008 and Beyond





Monthly Employment and BLCI US vs. Colorado (Seasonally Adjusted)



Source: US Census Bureau, Bureau of Labor Statistics, www.blci.com, CO BEO Committee.



GDP Components: C + I + G + X

2009 Real GDP (\$ Billions)

Government Spending

18.2% of total GDP

Investment

14.3%

Consumer Spending

70.3%

Net Export (Balance)

-2.8%

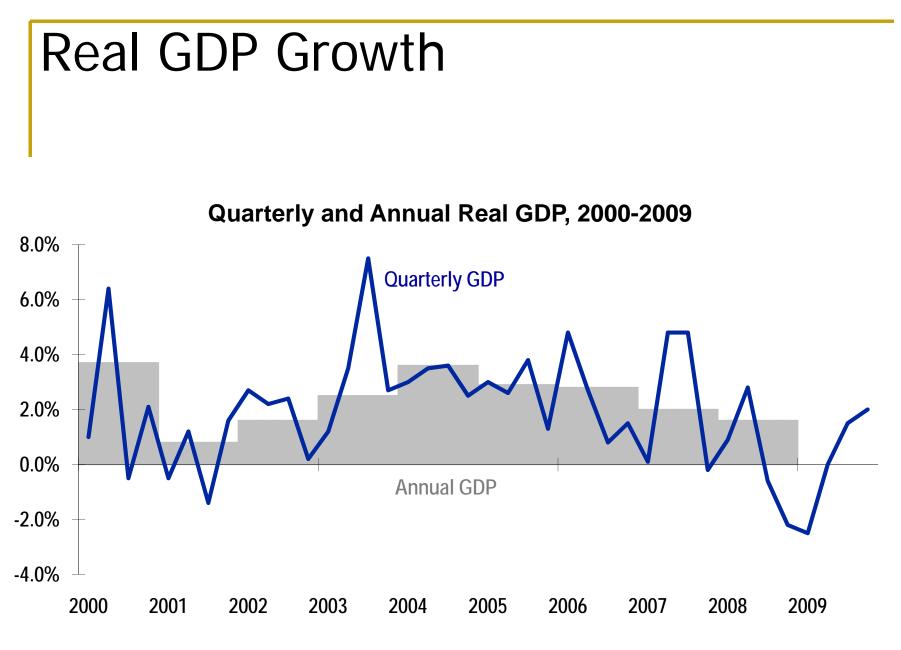
Source: Bureau of Economic Analysis.

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Government Spending: \$2,121.6				
Investment: \$1,671.9				
Consumer Spending: \$8,213.1				

Net Exports: -\$325.6





Sources: Bureau of Economic Analysis, CO BEO Committee.



GDP - Consumer Spending

Comprises

• 70.3% of GDP

Issues

- Overleveraged
- Consumer crisis

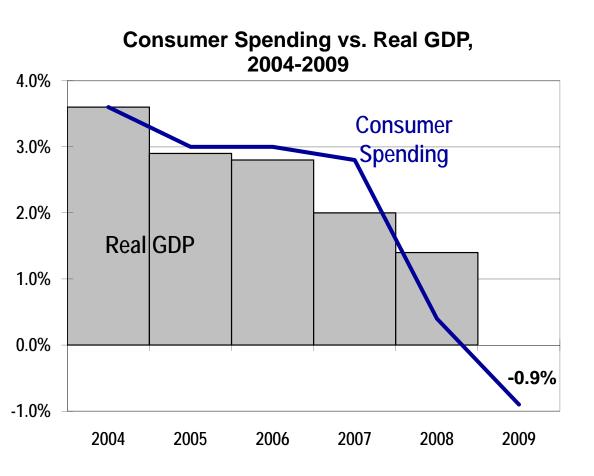
Impact

- Auto sales
- Retail sales
- Construction starts

Good News

- Credit reduction
- Increased savings

Sources: Bureau of Economic Analysis, CO BEO Committee.





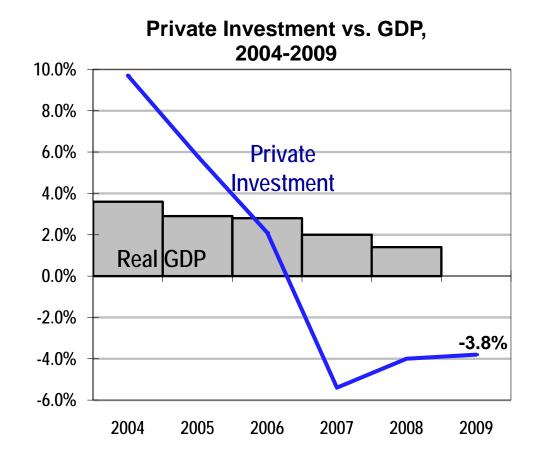
GDP - Private Investment

Comprises

• 14.3% of GDP

Pullback

- Residential construction
- Commercial construction
- Equipment
- Software



Sources: Bureau of Economic Analysis, CO BEO Committee.



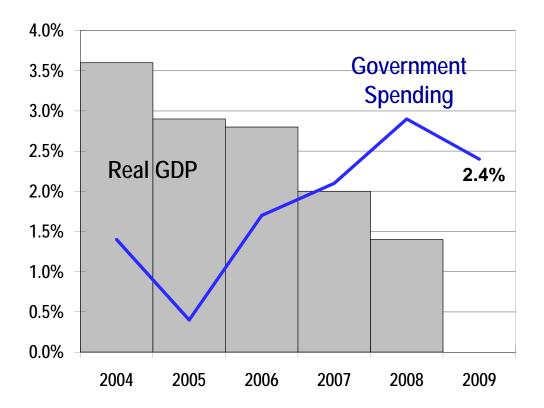
GDP - Government Spending

Comprises

• 18.2% of GDP

Deficit

- Growth rate higher with slowing economy
- Stimulus efforts
- \$600 billion to \$1 trillion



Sources: Bureau of Economic Analysis, CO BEO Committee.



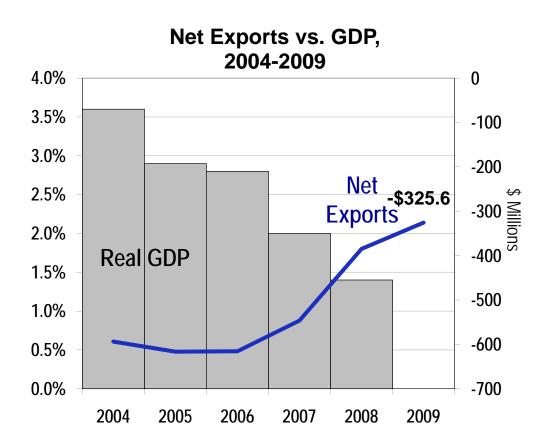
GDP - Net Exports

Comprises

• -2.8% of GDP

Trade Imbalance

- Less demand for imports
- Lower oil prices
- Slower consumption
- Strengthening dollar



Sources: Bureau of Economic Analysis, CO BEO Committee.



Colorado Population, Employment, and Prices



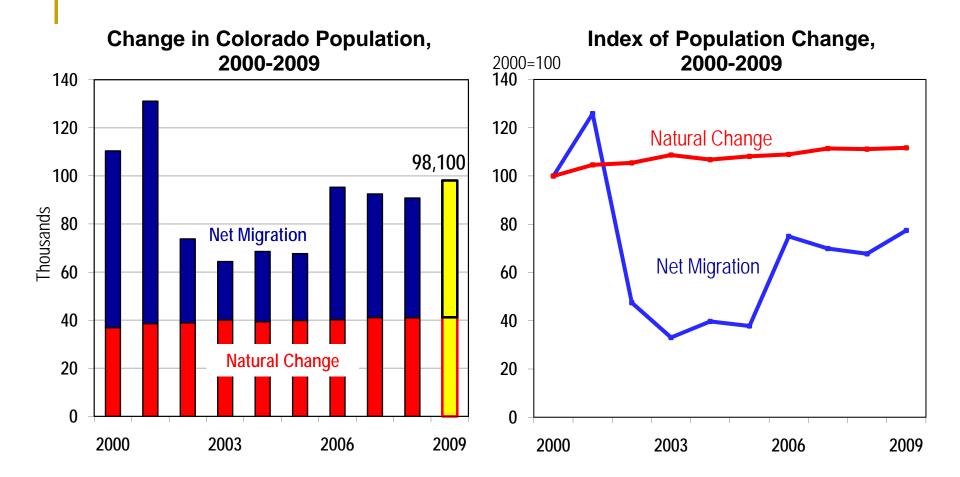






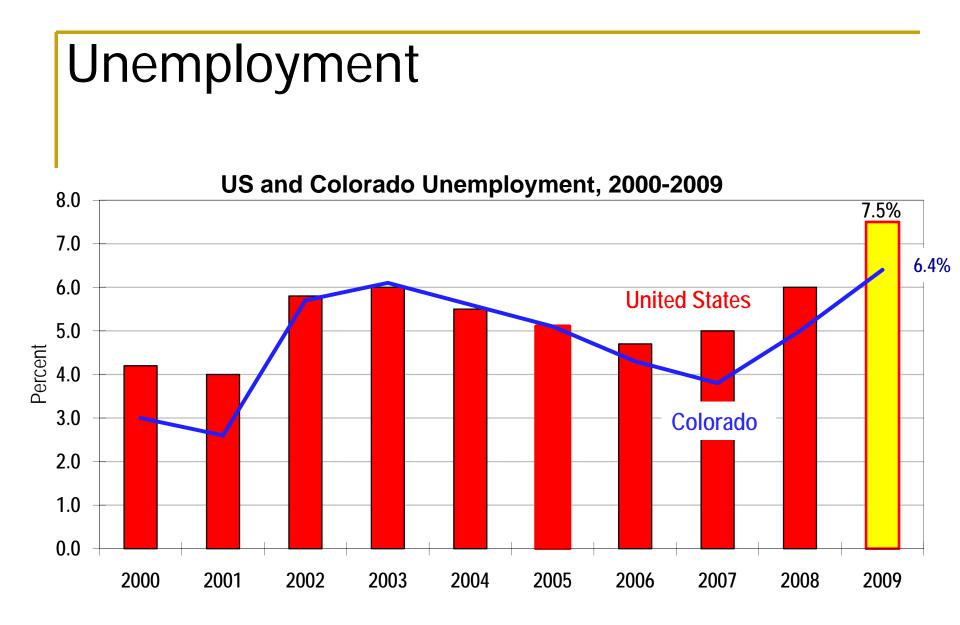


Change in Population



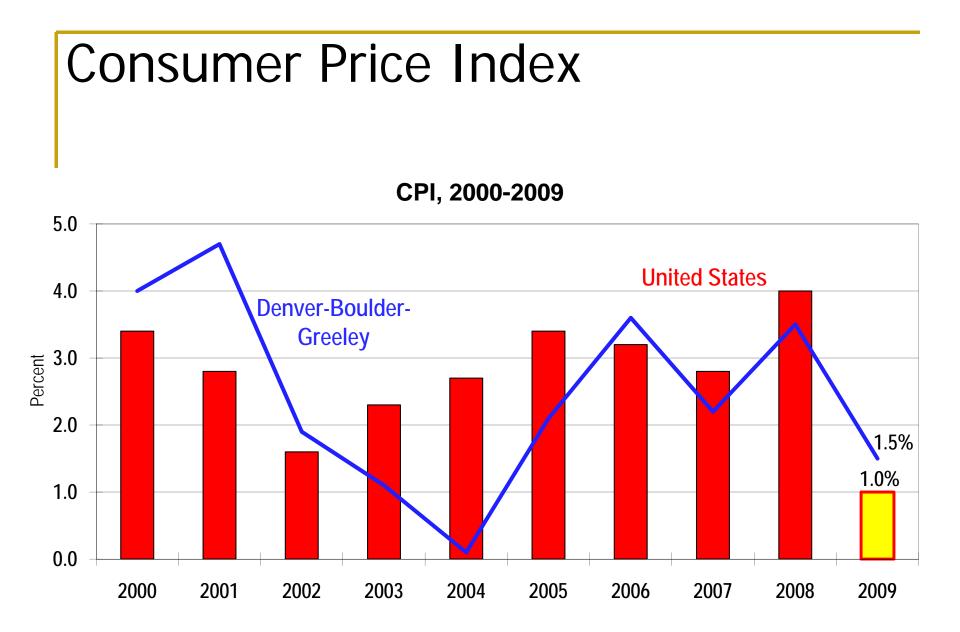
Sources: Colorado Department of Local Affairs, CO BEO Committee.





Sources: Colorado LMI, CO BEO Committee.

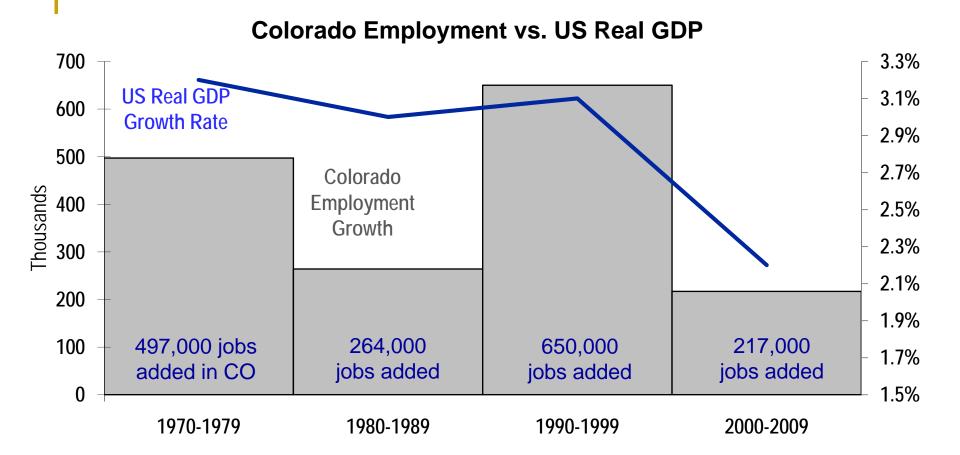




Source: Bureau of Labor Statistics.



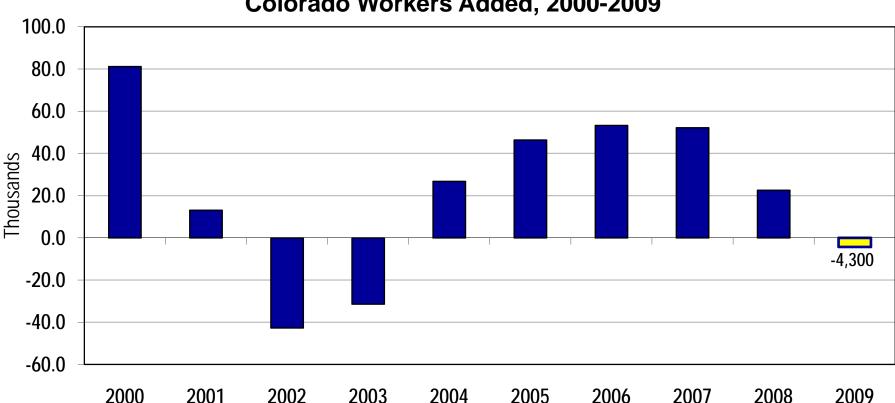
Real US GDP Growth Rate and Colorado Employment Growth Rate



Sources: Bureau of Economic Analysis, Colorado LMI, CO BEO Committees.



Colorado Employment

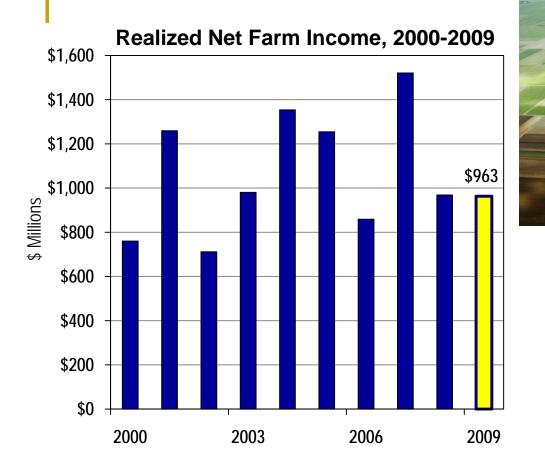


Colorado Workers Added, 2000-2009

Source: Colorado LMI, CO BEO Committee.



Agriculture

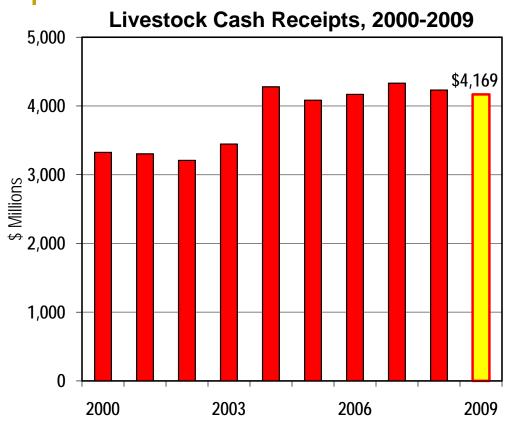




Source: Colorado Agricultural Statistic Service, CO BEO Committee.



Livestock Cash Receipts



- Largest agricultural sector
- Declining cattle numbers
- Volatile feedstuff costs
- Cash receipts slipping

Source: Colorado Agricultural Statistic Service, CO BEO Committee.



Dairy News



- Higher dairy cattle numbers
- Increased organic production
- Weaker dairy prices



Crop Receipts of Corn, Wheat, Hay



- Colorado's three largest crops
 - Corn
 - Wheat
 - Hay
- Higher seed and fertilizer costs
- Acreage planted to decrease



Crop Receipts - Corn



- Food or Fuel?
- High demand continues for ethanol production
- Reduced prices
- Decreasing costs
- Less profitability



Crop Receipts - Wheat

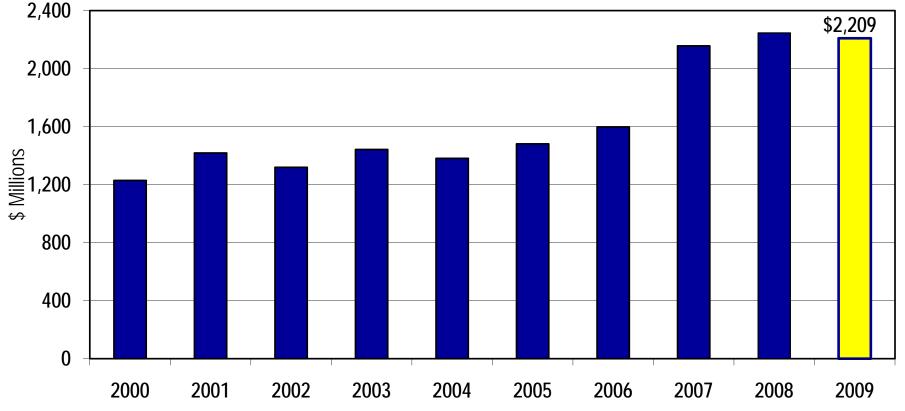


- Volatile prices
- Optimistic yield expectations in 2009
- Declining prices to continue



Crop Receipts

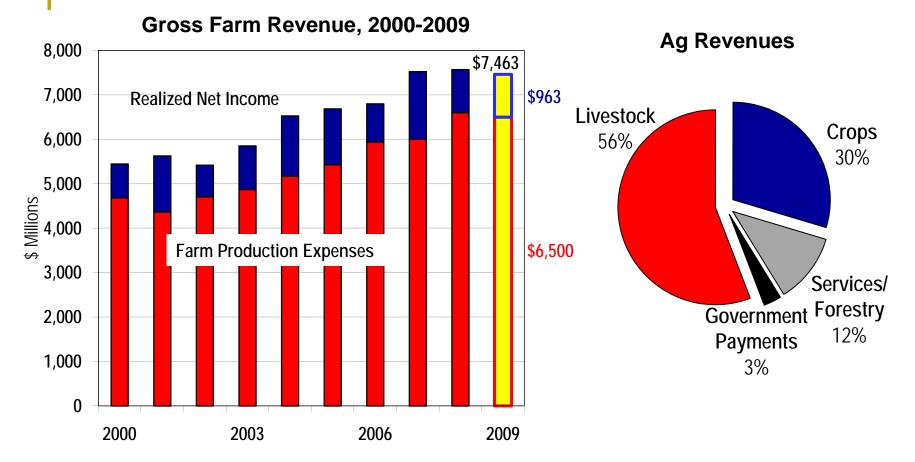
Cash Receipts from Crops, 2000-2009



Sources: Colorado Agricultural Statistic Service, CO BEO Committee.



Realized Gross Farm Revenue and Net Income



Sources: Colorado Agricultural Statistic Service, CO BEO Committee.



Natural Resources and Mining

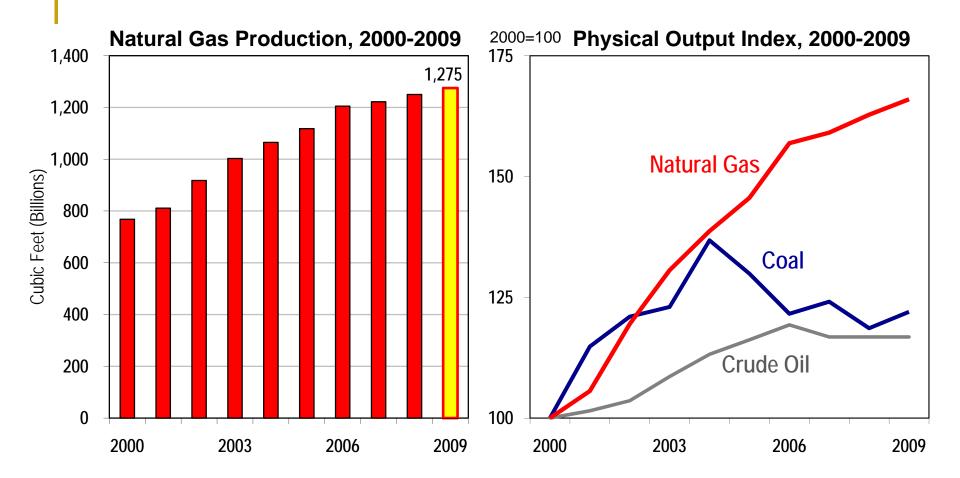








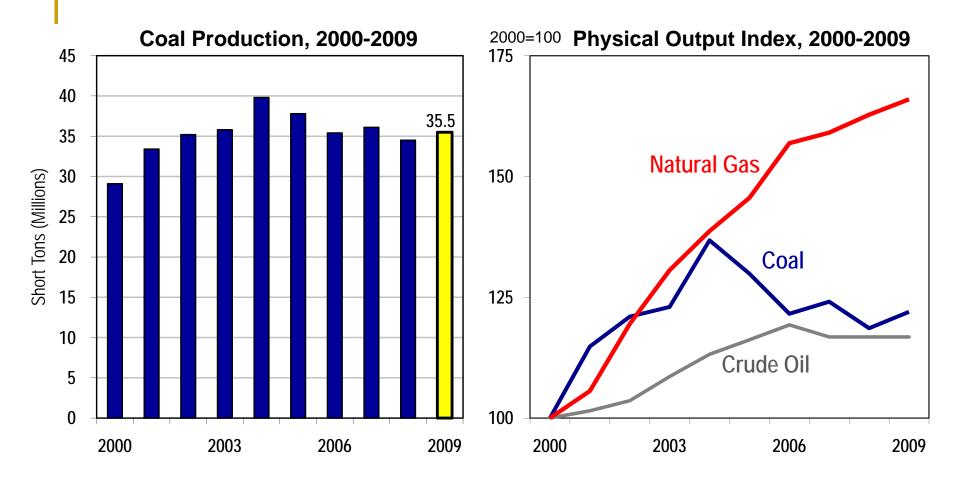
Natural Gas Production



Sources: Colorado Geological Survey Mineral and Mineral Fuel Activity Reports, CO BEO Committee.



Coal Production



Sources: Colorado Geological Survey Mineral and Mineral Fuel Activity Reports, CO BEO Committee.



Nonfuel Minerals





- Volatile commodity prices
- Gold tops \$1,000 per ounce





Renewables

- Second-largest solar plant in Alamosa
- 1,200 solar contractors
- 30% annual industry growth
- Currently employs 1,500-3,000

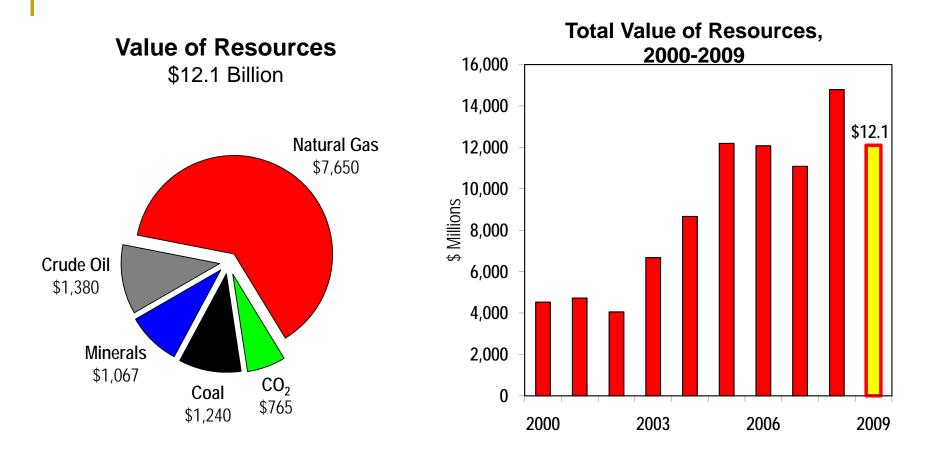








Natural Resources and Mining Valuation

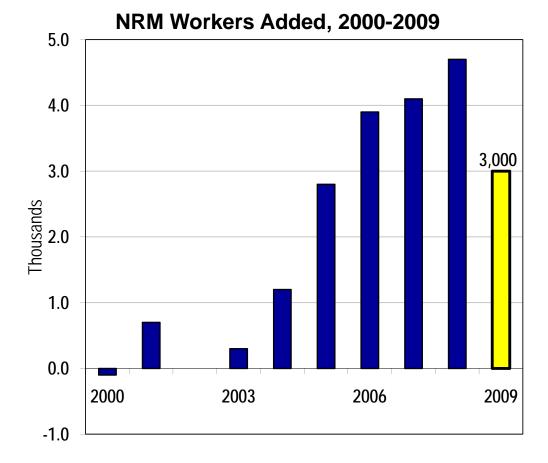


Sources: Colorado Geological Survey Mineral and Mineral Fuel Activity Reports, Colorado LMI, CO BEO Committee.



Natural Resources and Mining

Energy Breakout Session Mt. Oxford Room 3:15



Sources: Colorado LMI, CO BEO Committee.



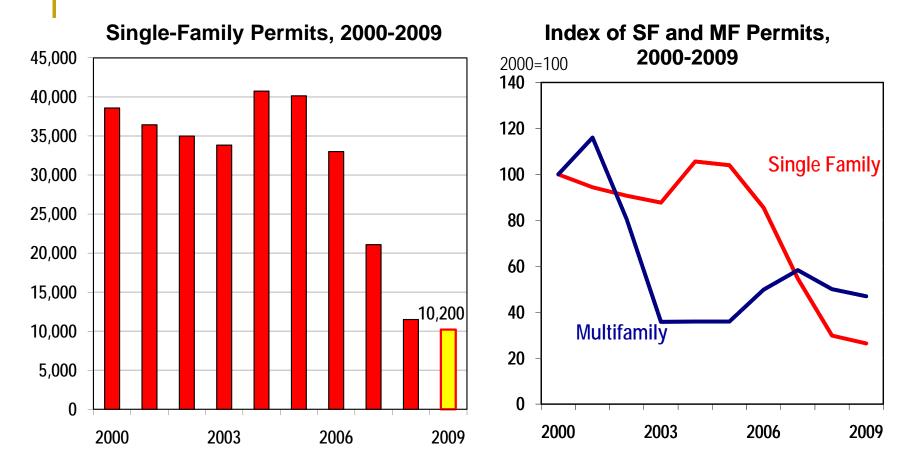
Construction







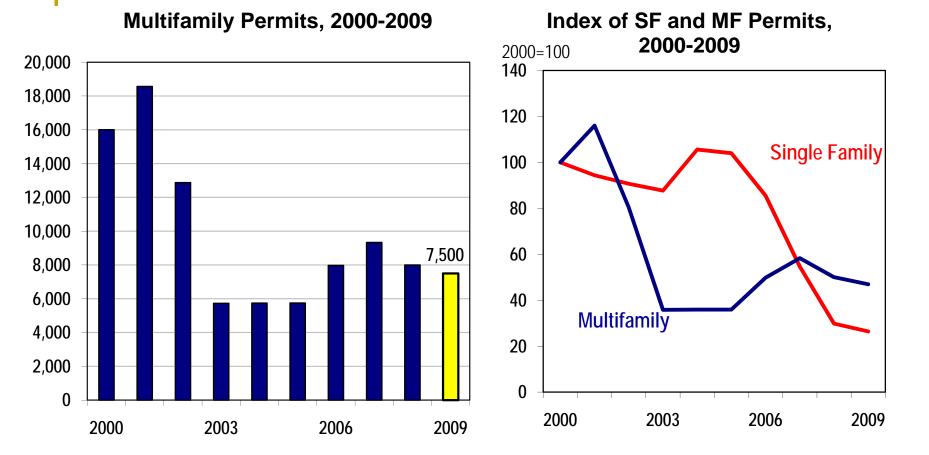
Colorado Building Permits Single Family



Sources: US Census Bureau, CO BEO Committee.



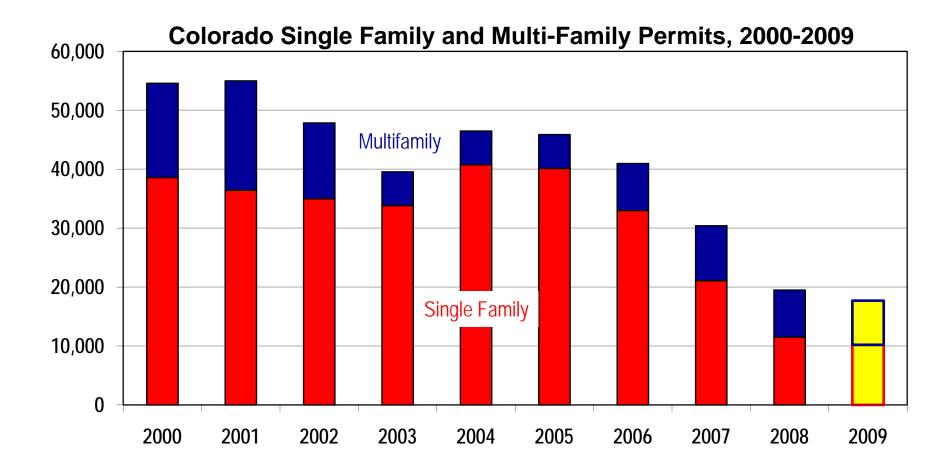
Colorado Building Permits Multifamily



Sources: US Census Bureau, CO BEO Committee.

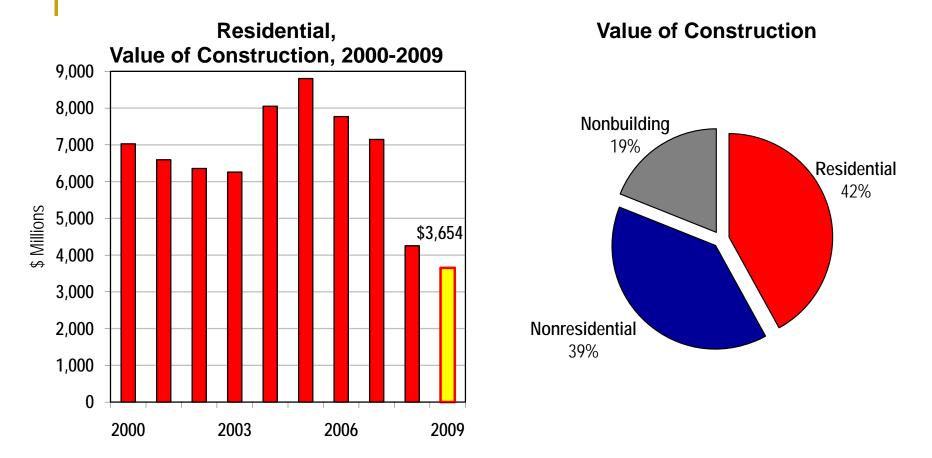


Colorado Building Permits





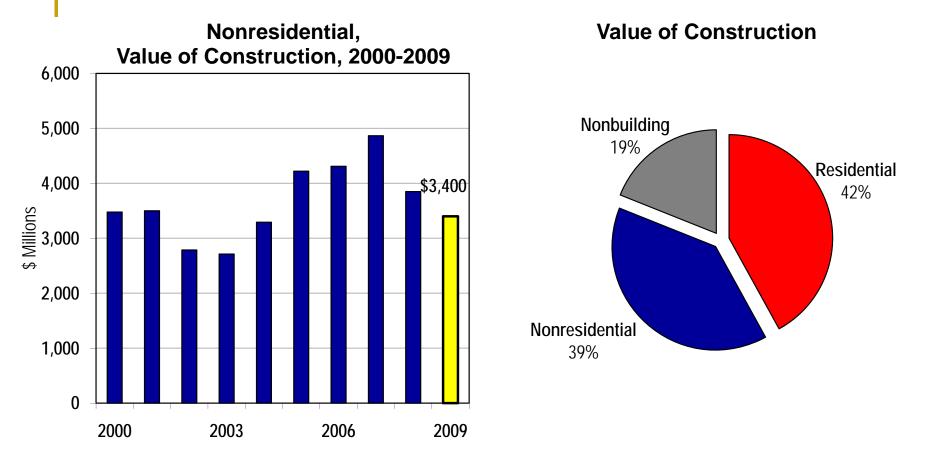
Value of Construction Residential



Sources: F.W. Dodge Company, CO Contractors Association, US Census Bureau, CO BEO Committee.



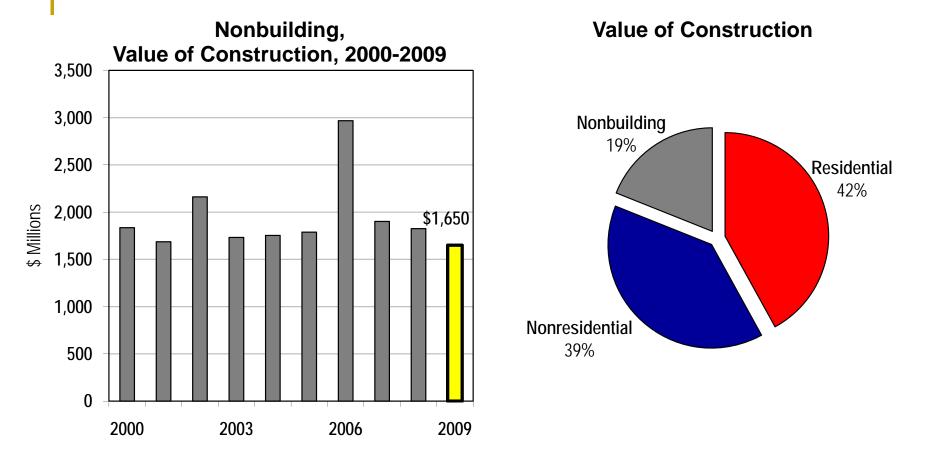
Value of Construction Nonresidential



Sources: F.W. Dodge Company, CO Contractors Association, US Census Bureau, CO BEO Committee.



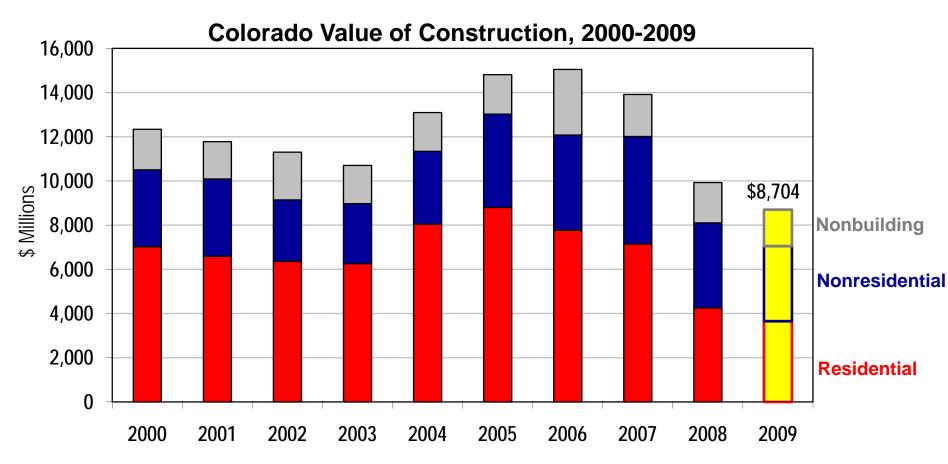
Value of Construction Nonbuilding



Sources: F.W. Dodge Company, CO Contractors Association, US Census Bureau, CO BEO Committee.

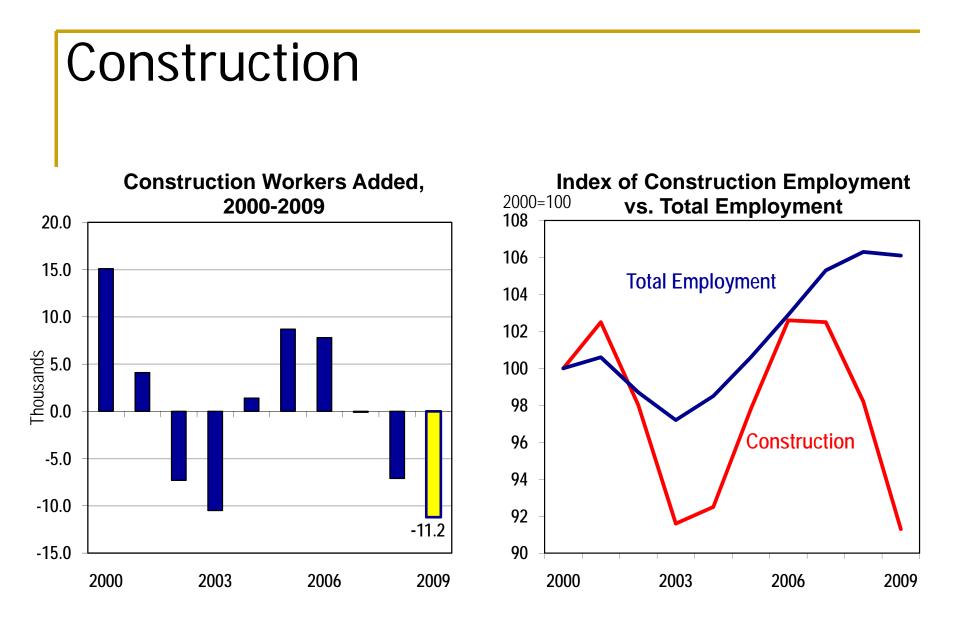


Value of Construction



Sources: F.W. Dodge Company, CO Contractors Association, US Census Bureau, CO BEO Committee.



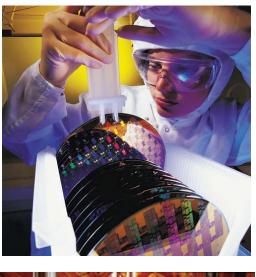


Sources: Colorado LMI, CO BEO Committee.



Manufacturing





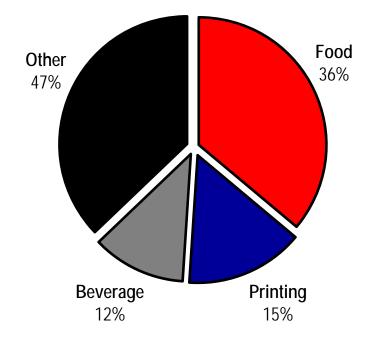




Manufacturing - Nondurable



Nondurable Employment



Source: Colorado LMI.



Manufacturing - Nondurable

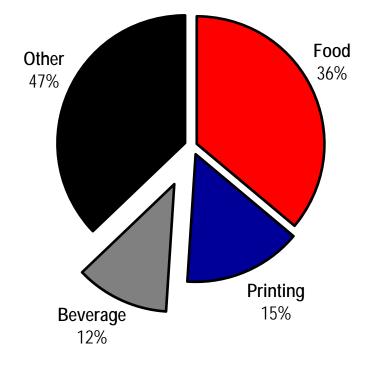




Source: Colorado LMI.

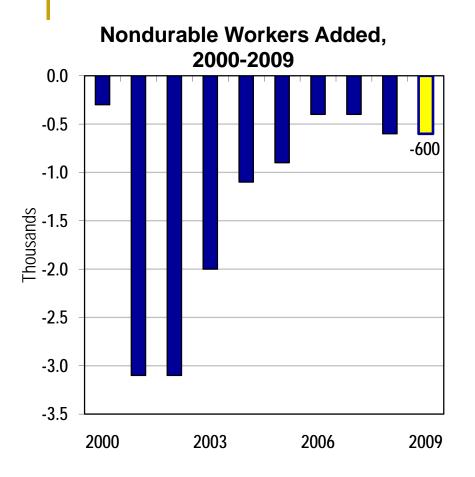
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Nondurable Employment

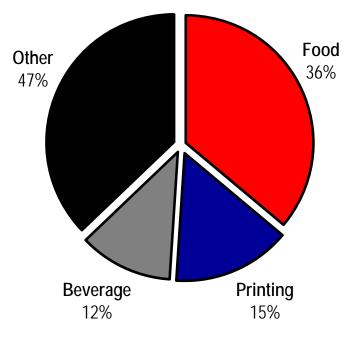




Manufacturing Employment Nondurable



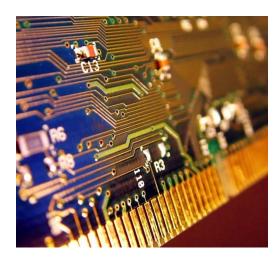
Nondurable Employment



Sources: Colorado LMI, CO BEO Committee.

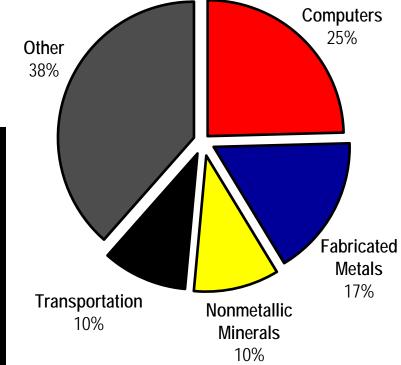


Manufacturing - Durable





Durable Employment



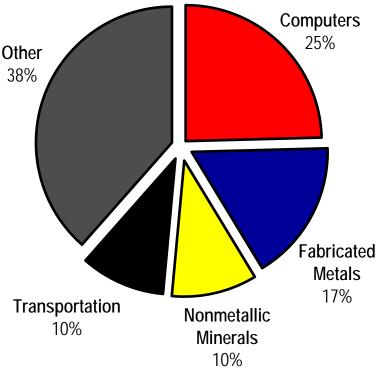
Source: Colorado LMI.



Manufacturing - Durable



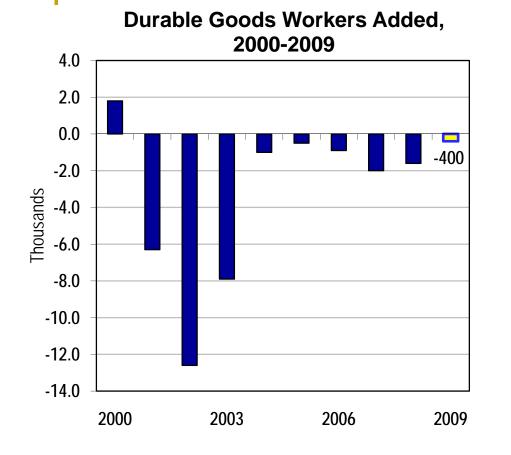
Durable Employment



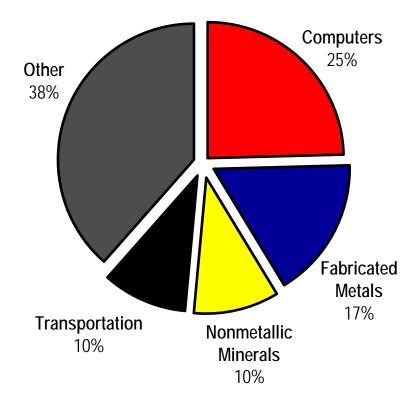
Source: Colorado LMI.



Manufacturing - Durable Goods

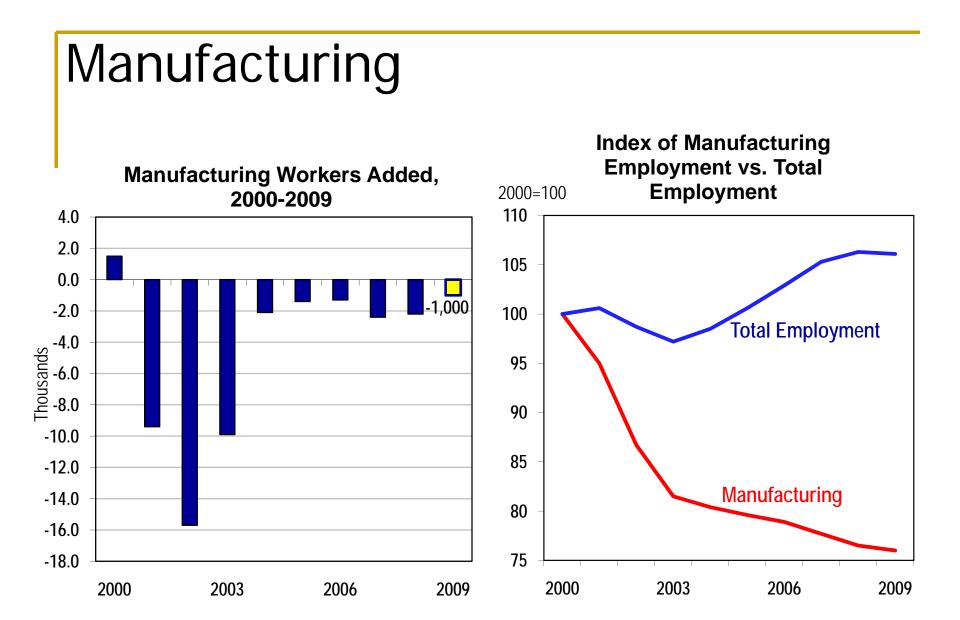


Durable Employment



Sources: Colorado LMI, CO BEO Committee.





Sources: Colorado LMI, CO BEO Committee.



Goods-Producing Employment

Goods-Producing Workers Added, **Goods-Producing Average Wages** 2000-2009 NRM \$87,291 20.0 Construction \$45,554 15.0 Manufacturing \$56,873 10.0 5.0 **Goods-Producing Share of Thousands** 0.0 **Colorado Employment** -5.0 Manufacturing -10.0 -9,200 6.1% -15.0 Service-Producing Construction -20.0 86.1% 6.4% NRM -25.01.4% 2000 2003 2006 2009

Sources: Colorado LMI, CO BEO Committee.



International Trade

Factors in 2008

- Weaker dollar
- Reopening of beef markets
- Commodity prices
- Closing of high-tech facilities



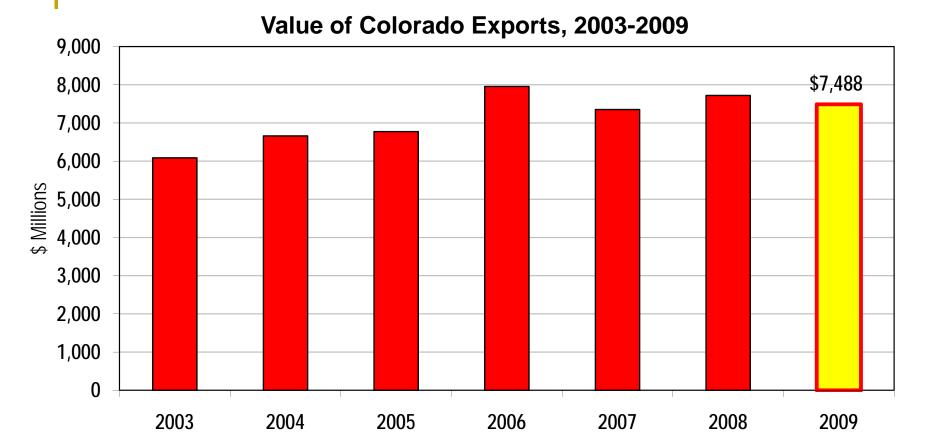








Colorado Exports



Sources: World Institute for Strategic Economic Research (WISER), CO BEO Committee.

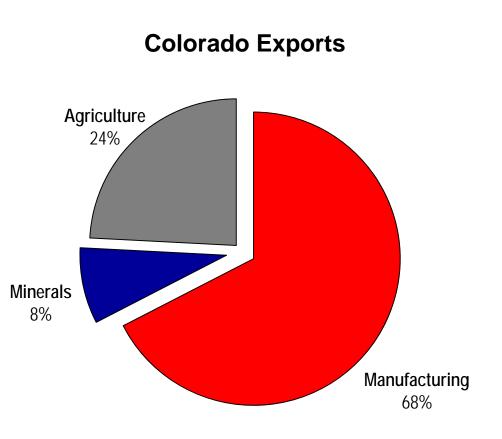
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BBVA Compass

Manufacturing

Top Manufacturing Exports

- Print machinery
- Electronic integrated circuits
- Instruments
- Data process machines
- Medical, dental, and vet supplies
- Photo plates and film
- Photo film in rolls
- Prosthetics, hearing aids
- Aircraft, spacecraft parts
- Telephone parts
- Office machines
- TV receivers, monitors, etc.



Sources: World Institute for Strategic Economic Research (WISER), CO BEO Committee.



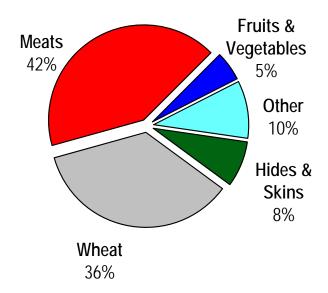
Colorado Agricultural Exports







Colorado Agricultural Exports Total \$1.9 Billion



Sources: World Institute for Strategic Economic Research (WISER), CO BEO Committee.



Exports – Major Destinations

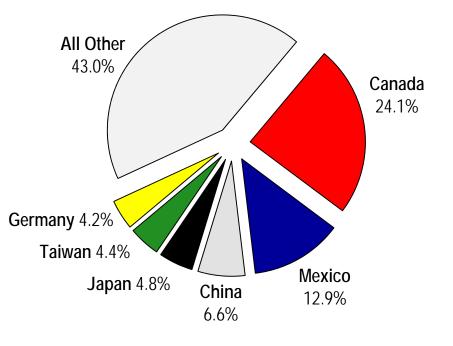
Top 14 Export Destinations

- Canada
- Mexico
- China
- Japan
- Taiwan
- Germany
- The Netherlands
- United Kingdom
- Malaysia
- Philippines
- Hong Kong
- Korea
- Australia
- Switzerland

Sources: World Institute for Strategic Economic Research, CO BEO Committee.

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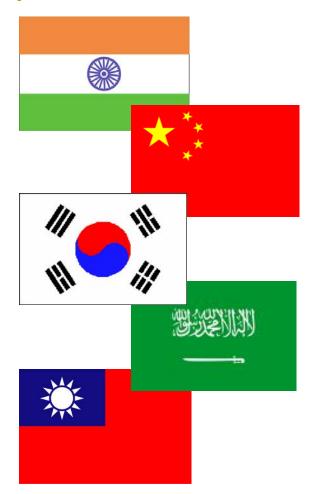
Export Destinations



Compass

BBVA

International Students in Colorado



- Nearly 6,000 students
- Enrollments climbed 11%
- Estimated expenditures \$148.9 M
- Leading countries of origin:
 - India
 - China
 - South Korea
 - Saudi Arabia
 - Taiwan

Sources: Institute of International Education, CO BEO Committee.



Trade, Transportation, and Utilities





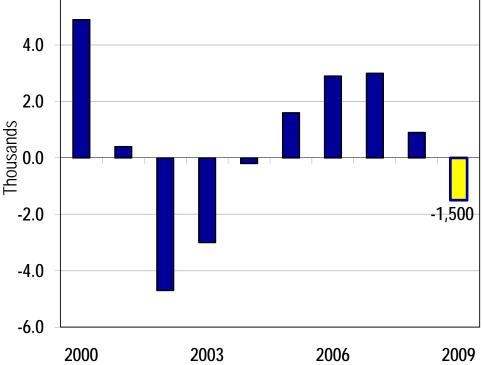
Wholesale Trade

90% Merchant wholesalers

6.0

- 54% Durable goods
- Tied to retail
- Wages 40% higher than state average

Wholesale Trade Workers Added, 2000-2009



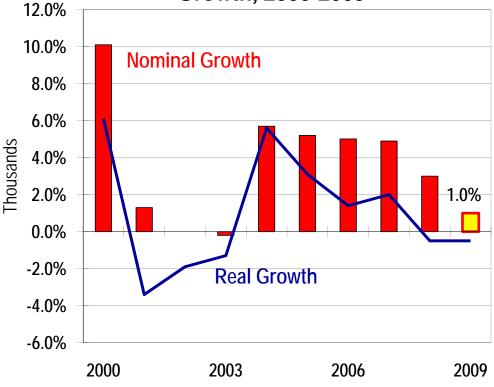
Sources: Colorado Department of Revenue, CO BEO Committees.



Retail Trade Sales

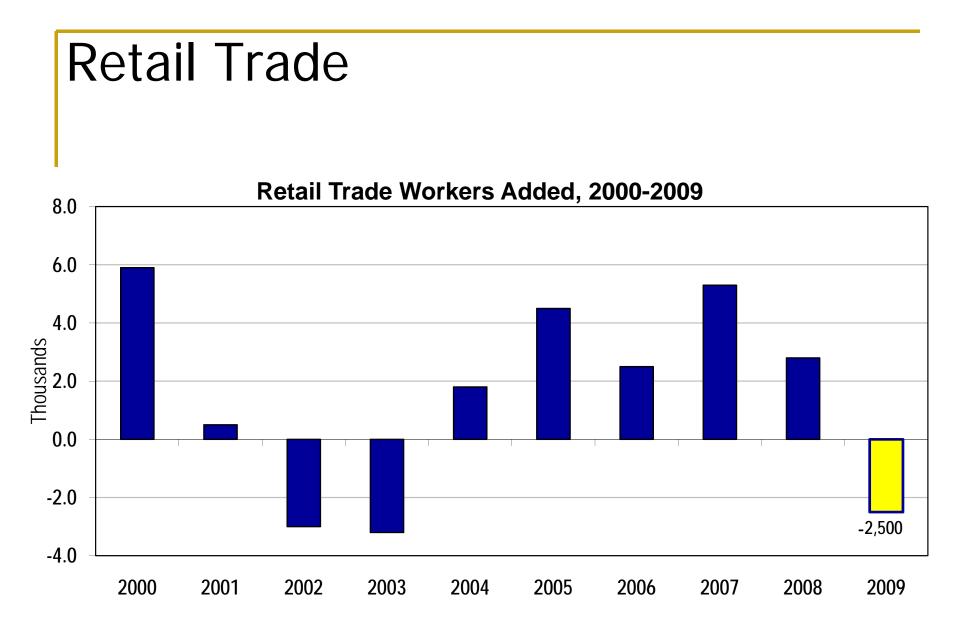


Retail Trade Sales Real and Nominal Growth, 2000-2009



Sources: Colorado Department of Revenue.

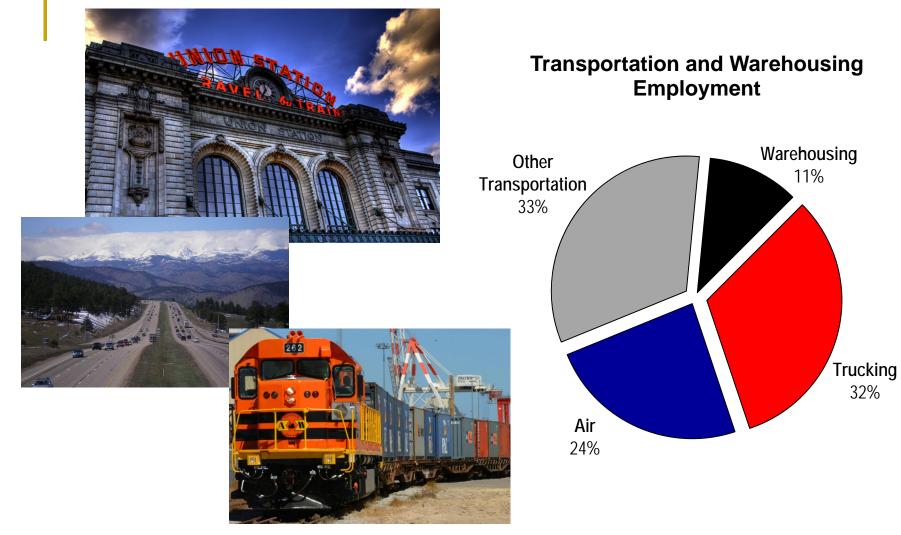




Sources: Colorado LMI, CO BEO Committee.



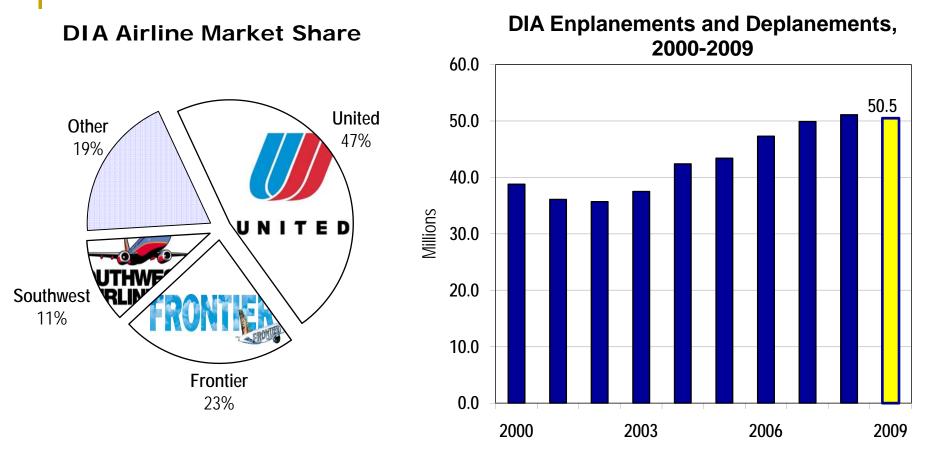
Transportation and Warehousing



Source: Colorado LMI.



DIA Enplanements and Deplanements



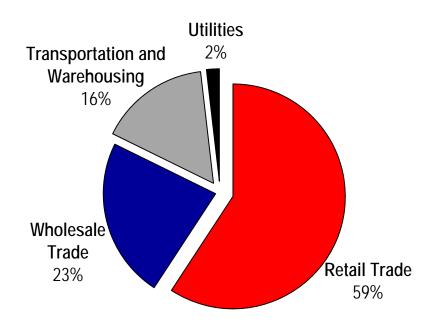
Sources: Denver International Airport, CO BEO Committee.



Motor Freight Issues

- Small firms
- Fuel costs
- Economy
- Government regulation
- Change in US administration
- Imports exceed exports

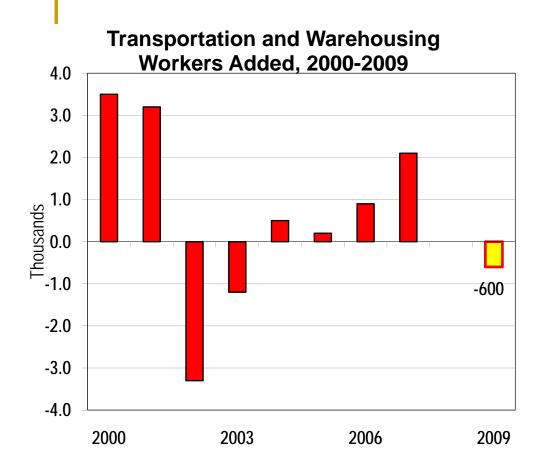
TTU Employment



Source: Colorado LMI.



Transportation and Warehousing



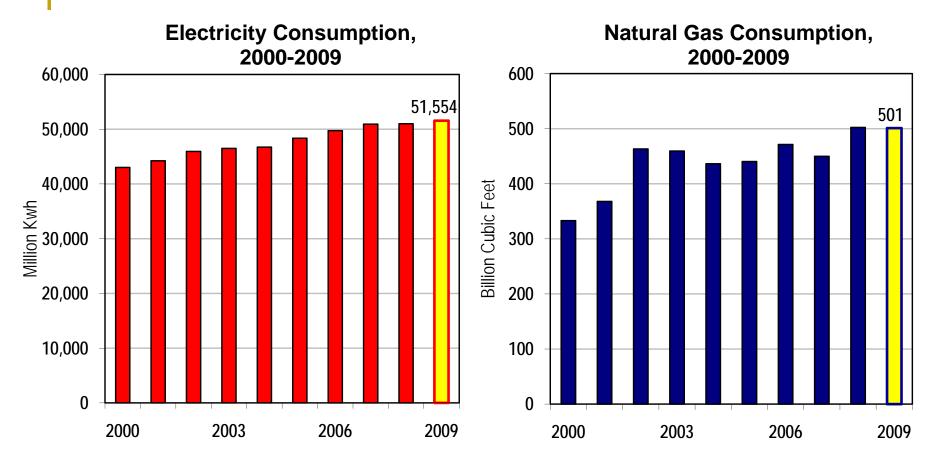




Sources: Colorado LMI, CO BEO Committees.



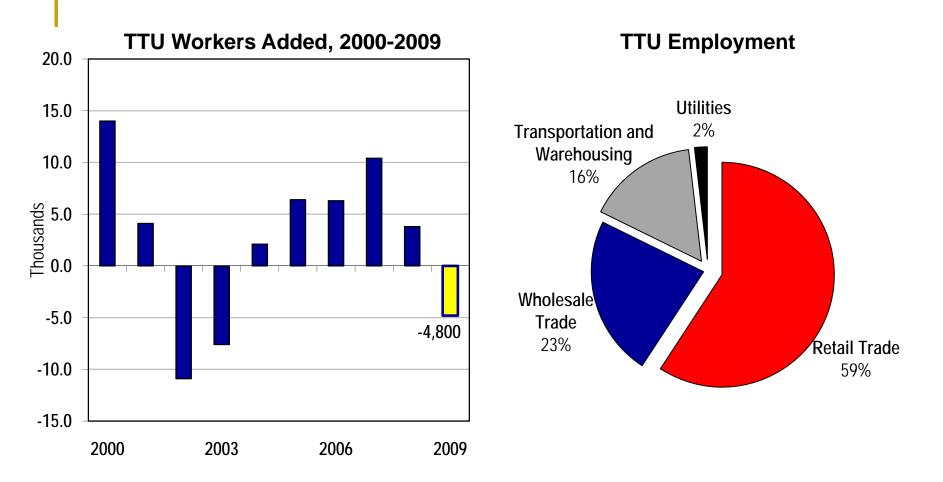
Electricity and Natural Gas Consumption



Sources: Edison Electrical Institute Statistical Yearbook, Xcel Energy, CO BEO Committee.



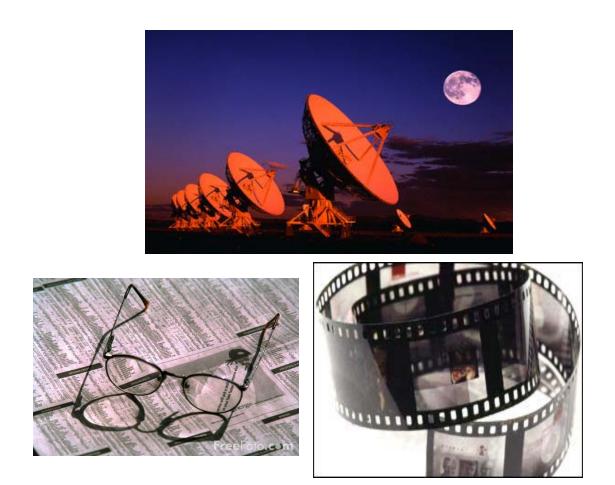
TTU Employment



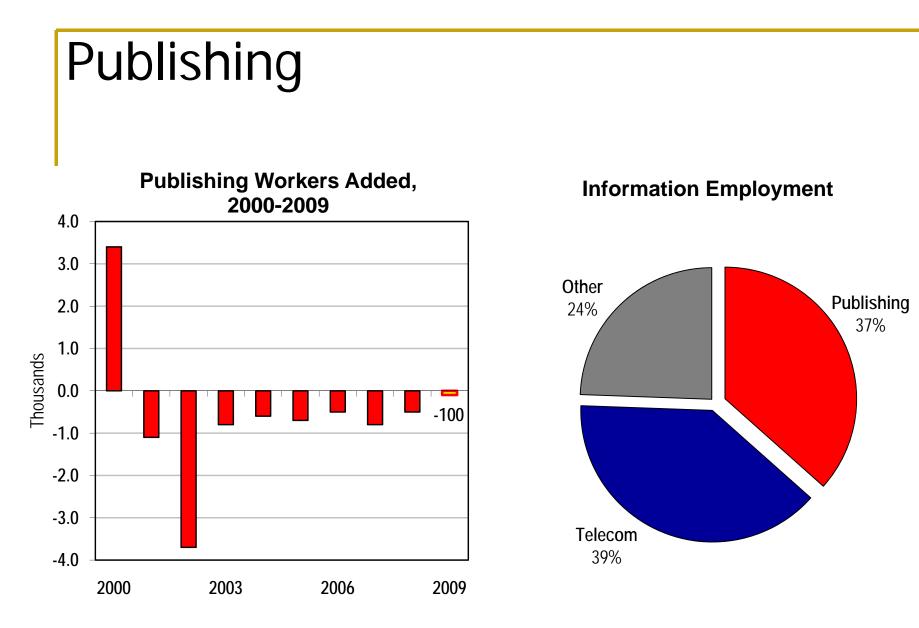
Sources: Colorado LMI, CO BEO Committee.



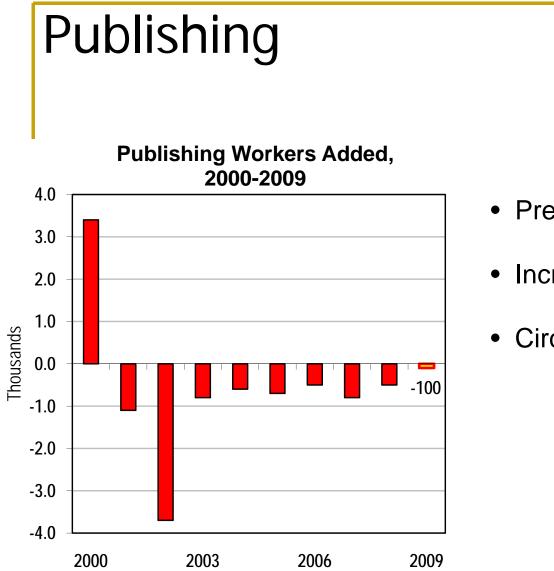
Information





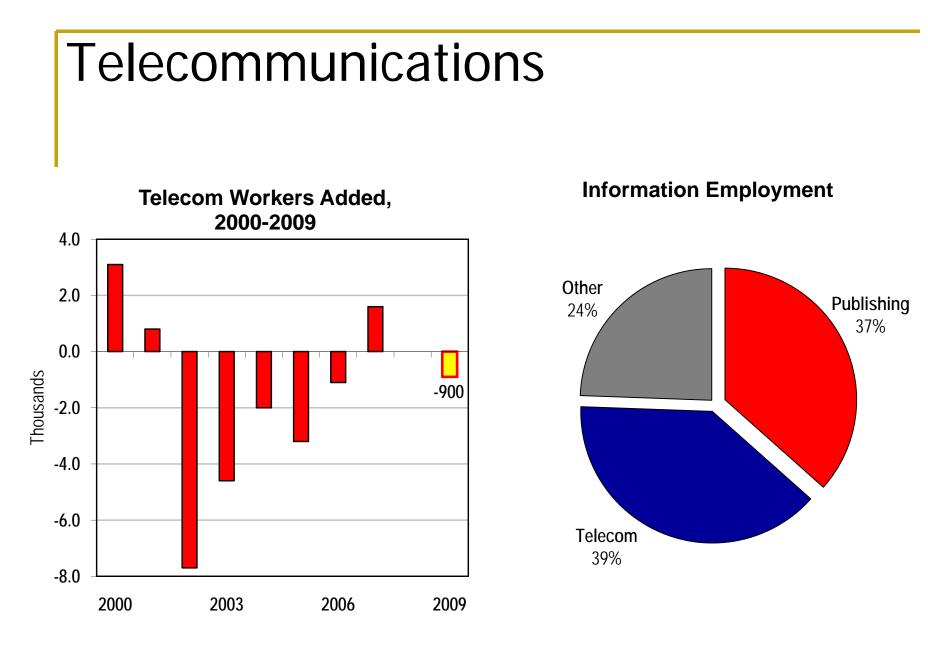






- Preference for e-products
- Increased efficiency
- Circulation decline





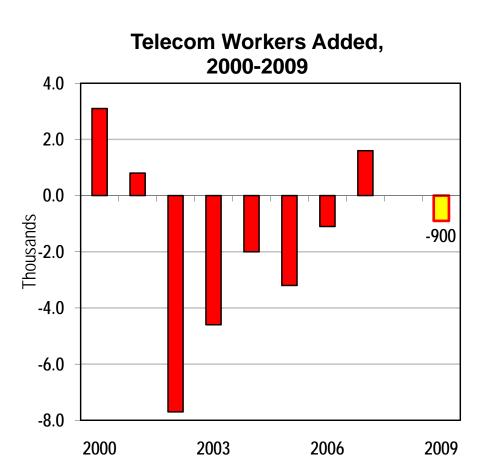


Telecommunications

Improvements to infrastructure

Transition to digital television

More consumers use wireless



Sources: Colorado LMI, CO BEO Committee.



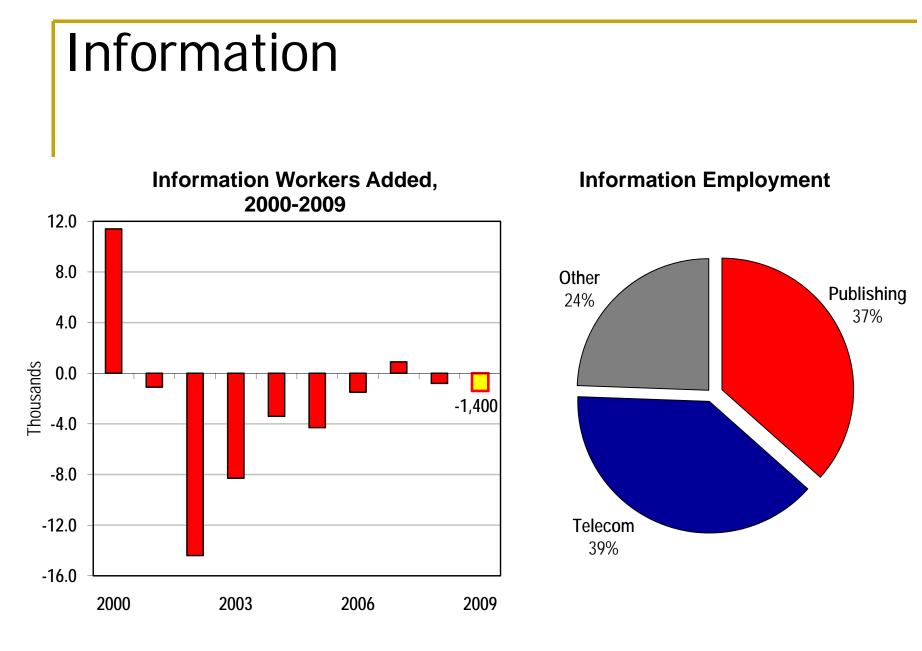
Colorado's Film Industry











Sources: Colorado LMI, CO BEO Committee.



Financial Activities





Banking Trends



- National and regional banks
 - Cuts in home states if exposed
- Local community banks
 - Increased deposits
 - Increased volatility
 - Higher overnight rates

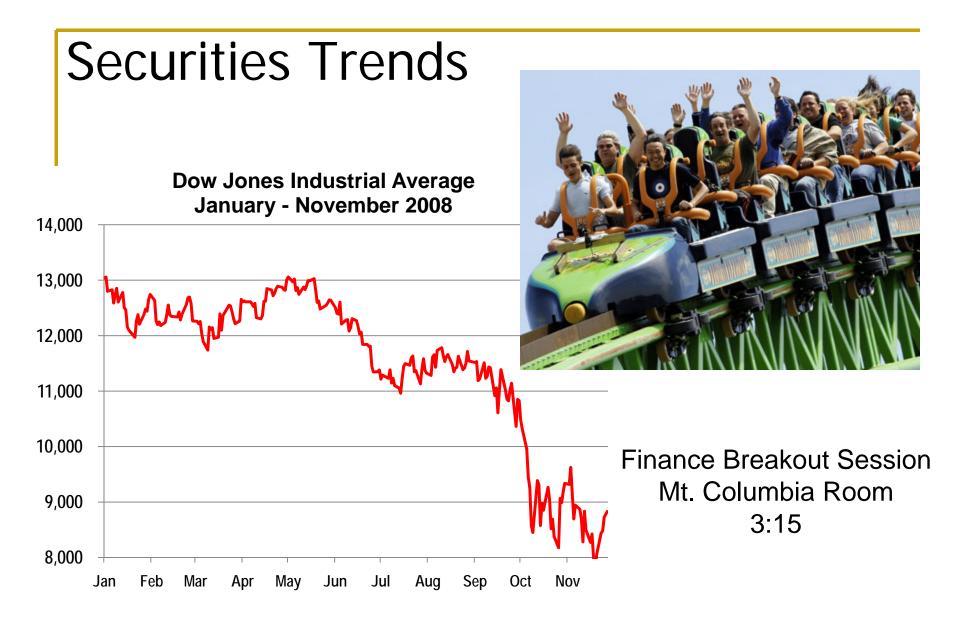


Credit Union Trends

- Average net worth ratio
 - Credit unions 12.8%
 - Required 7%
- Serve niche market
- Perception
 - Stable
 - Higher rates
- Consolidation continues
- Tight margins
- Increasing costs







Source: freelunch.com.



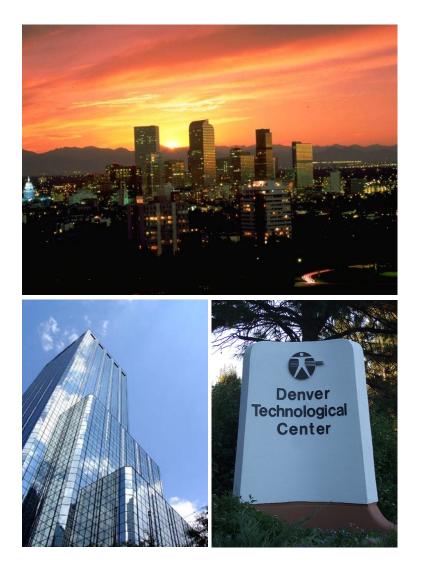
Colorado Insurance Trends



- Improved risk management
- Expansion into developing countries
- Growth in specialized products
- Increased efficiency technology
- E-commerce
- More costs passed on to customer



Commercial Real Estate Trends



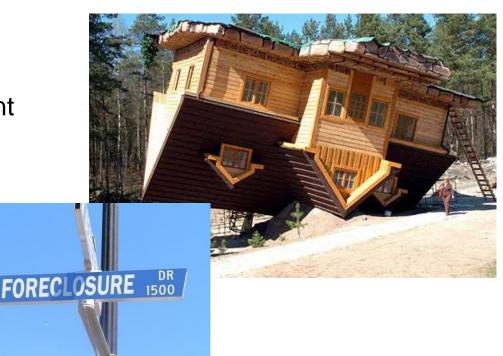
- Expected to taper off
- Tighter lending
- Vacancy rates increase
- Rents will slip further
- Property values will be impacted



Residential Real Estate Trends

- Foreclosures remain high, but we've seen the worst
- Colorado in top 10 states for lowest depreciation
- Construction halted to prevent overbuilding

Real Estate Breakout Session Maroon Peak Room 3:15



Rental vacancy rates low



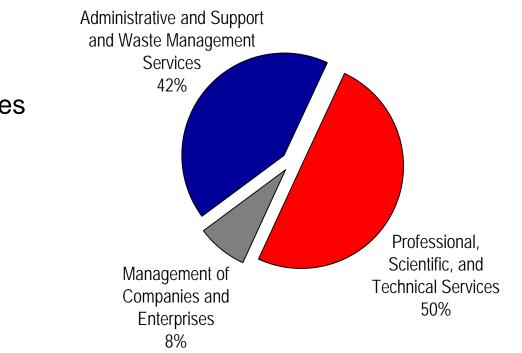
Financial Activities Finance and Insurance Workers Added, 2000-2009 5.0 4.0 3.0 2.0 Thousands 1.0 0.0 -1.0 -2.0 -3.0 -2,900 -4.0 2000 2002 2003 2004 2005 2006 2007 2008 2009 2001

Sources: Colorado LMI, CO BEO Committee.



Professional and Business Services

PBS Employment



Compass

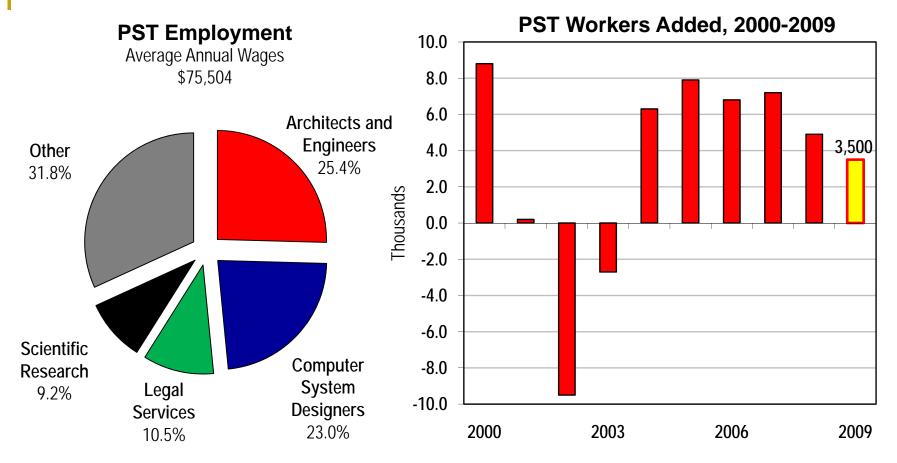
Average annual wages\$59,450

18.0% of Colorado employees

23.5% of Colorado wages

Source: Colorado LMI.

Professional, Scientific, and Technical Services

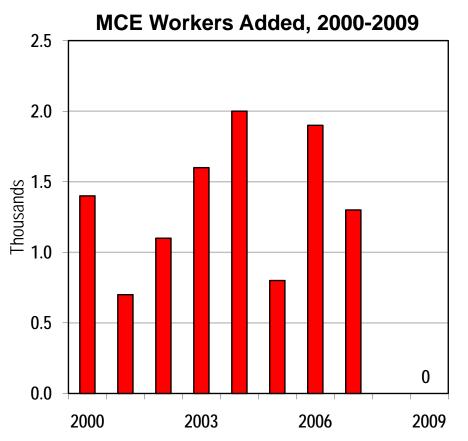


Sources: Colorado LMI, CO BEO Committee.



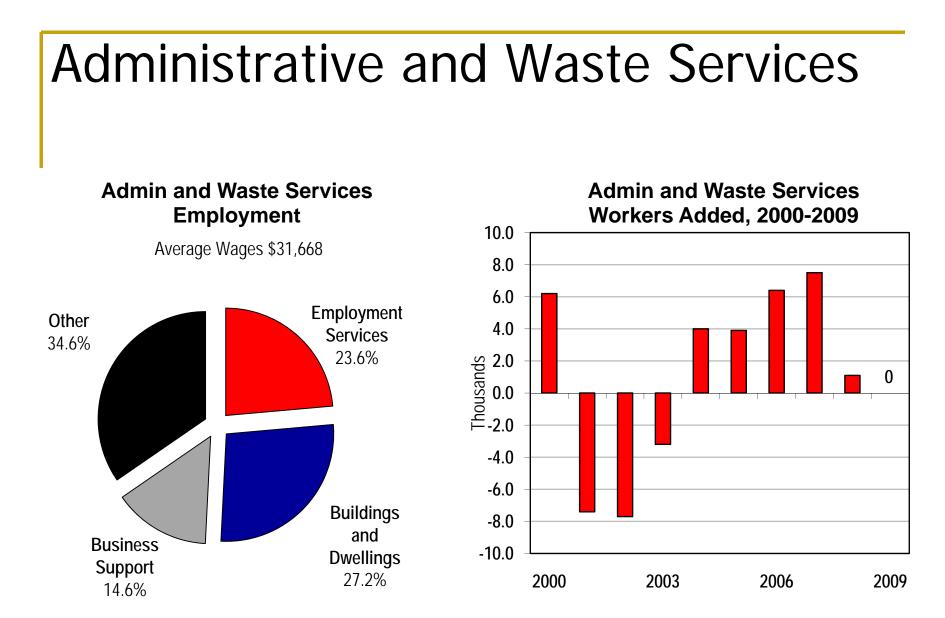
Management of Companies and Enterprises

- Spending associated with headquarters location
- Headquarters bring in spending from out-of-state companies
- Broad base helps diversify economy
- Average annual wages
 - \$110,084



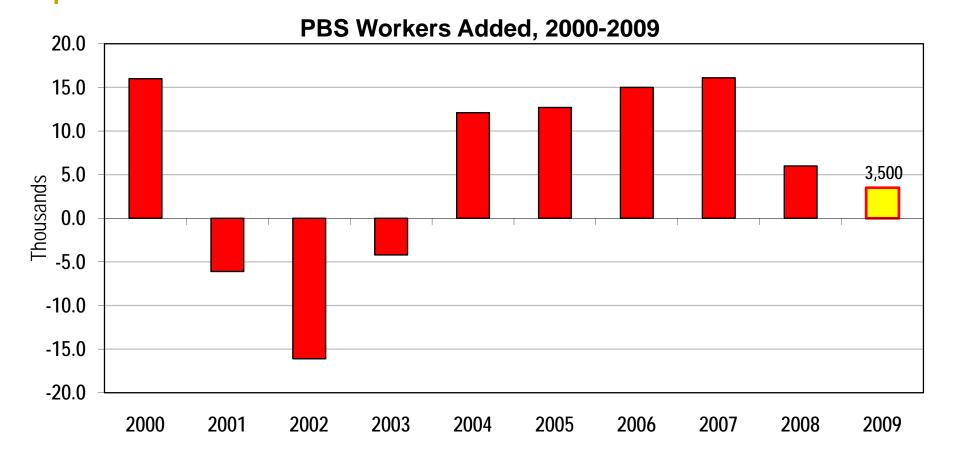
Sources: Colorado LMI, CO BEO Committee.







Professional and Business Services



Sources: Colorado LMI, CO BEO Committee.



Educational and Health Services

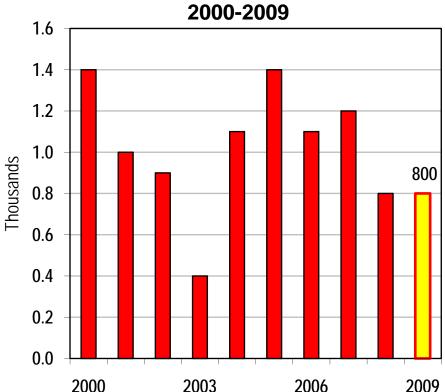






Education

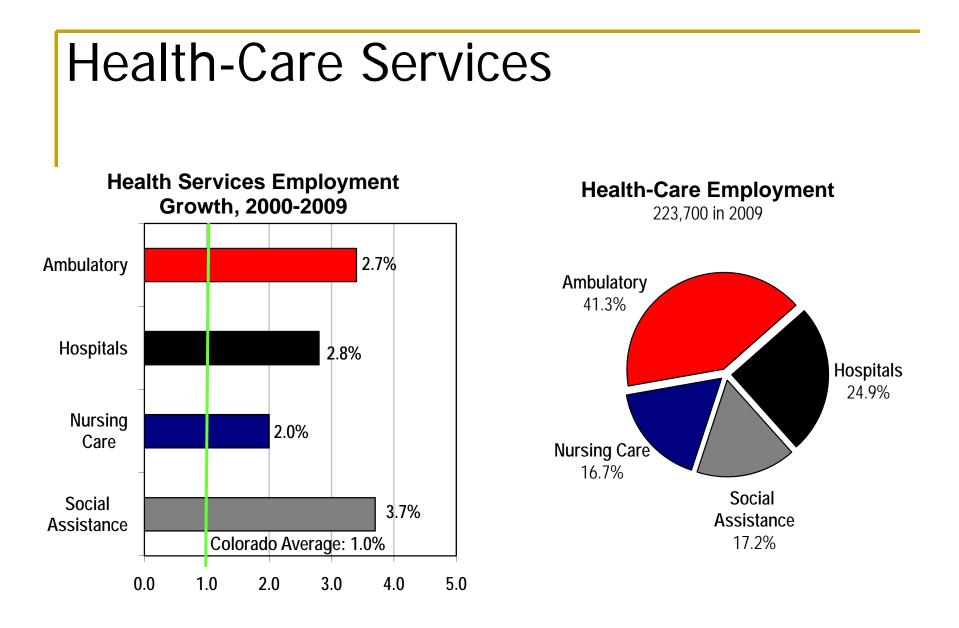
- Continuing education
- Retraining new skills, new professions
- Upgrade skills
- 10,100 jobs added this decade



Private Education Workers Added, 2000-2009

Sources: Colorado LMI, CO BEO Committee.

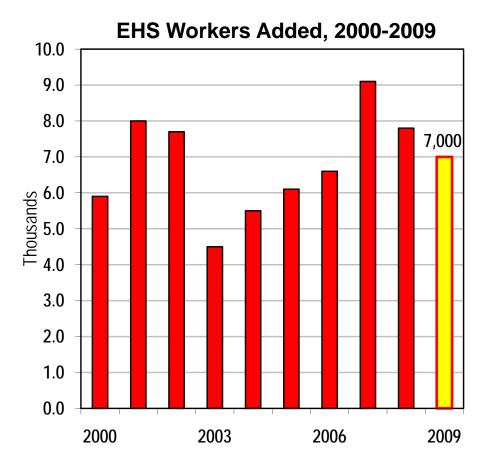






Health Services





Sources: Colorado LMI, CO BEO Committee.



Colorado Health Care Trends

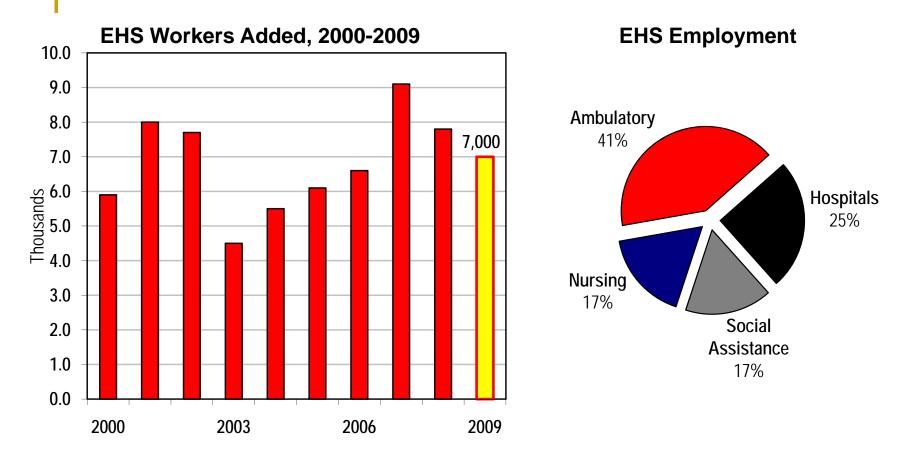


- Growth in high-deductible plans with savings option
- Hospital report cards
- Fitzsimons/Anschutz Medical Campus impact increases
- Health-care costs most cited cause of personal bankruptcies
- Health-care expenditures 16% of GDP
- Medical employment limited by the supply side





Educational and Health Care



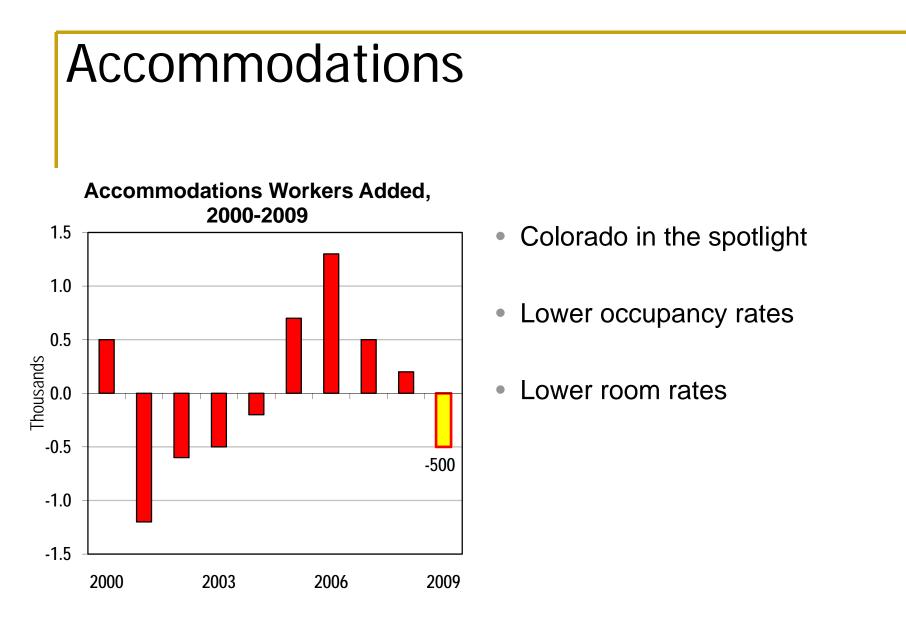
Sources: Colorado LMI, CO BEO Committee.



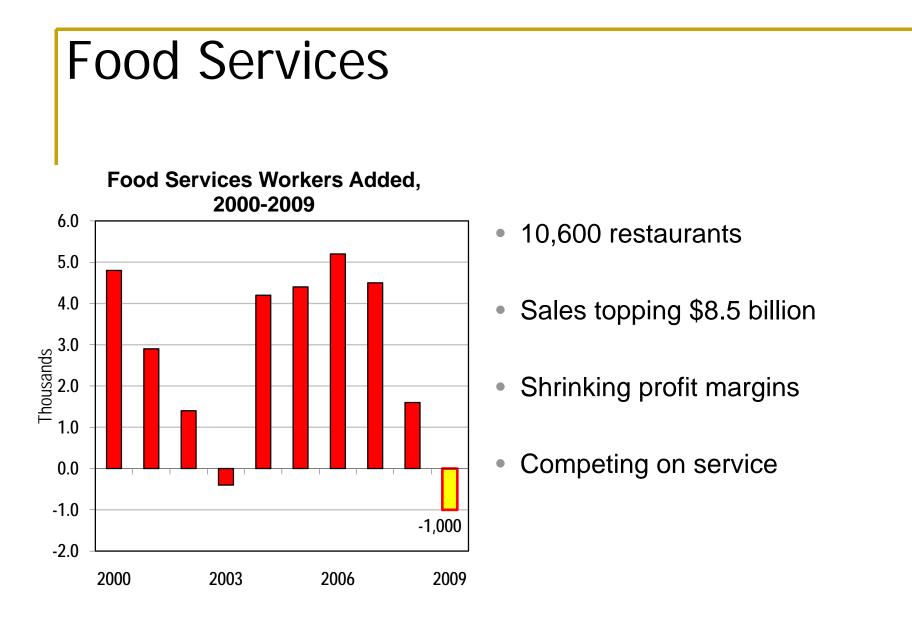
Leisure and Hospitality





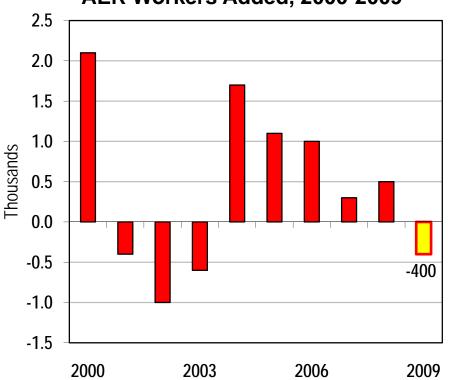








Arts, Entertainment, and Recreation



- AER Workers Added, 2000-2009
- Creative Class
- Attendance at:
 - Museums
 - Film festivals
 - Performing arts centers
 - Sports venues

Sources: Colorado LMI, CO BEO Committee.



Arts, Entertainment, and Recreation





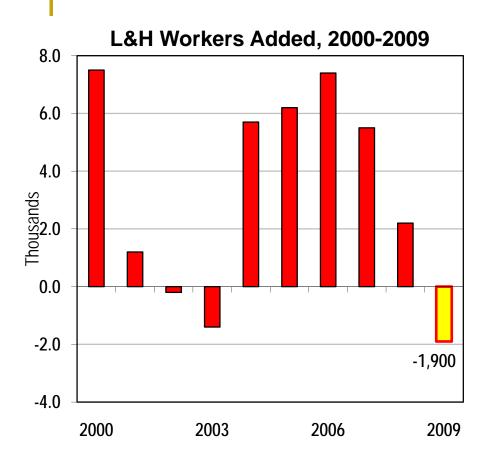
- Lower fuel may increase visitation
- Good snow trumps bad economy



 Casino towns may vote to increase betting limits



Leisure and Hospitality







BBVA Compass

Sources: Colorado LMI, CO BEO Committee.

BBB I.

Mr. BARBER

Other Services

Repair and Maintenance

Personal and Laundry Services

Membership Associations

(Religious, Grantmaking, Civic, Professional, and Similar Organizations)



Other Services

Repair and Maintenance

- Improved product quality
- People will postpone repairs

Personal Services

Services are essential

Grantmaking

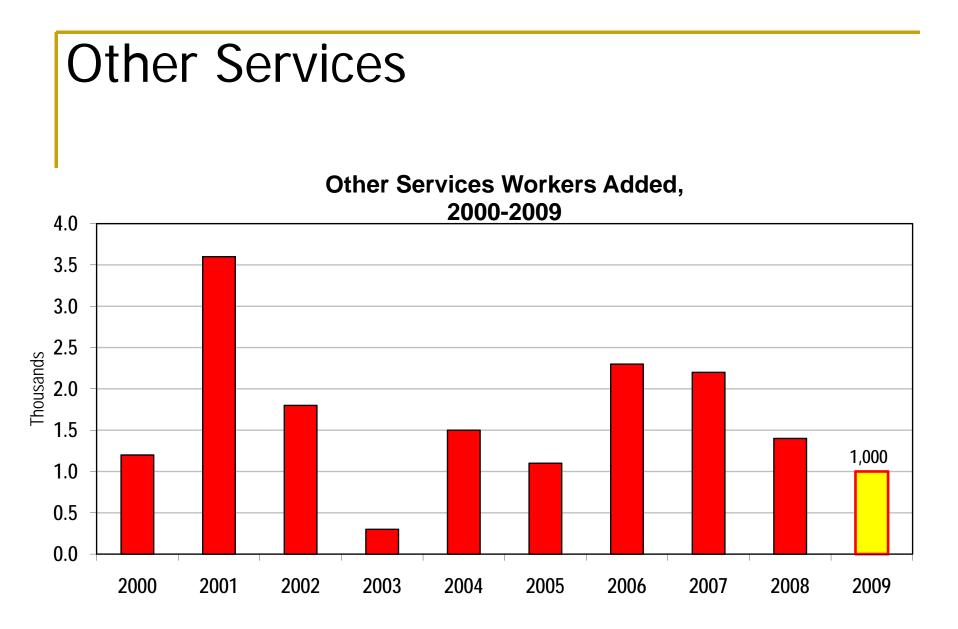
- More demand
- Lower support funding











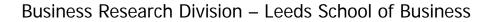
Sources: Colorado LMI, CO BEO Committee.



Government









Federal Government

High Paying, High Skilled Jobs

- Accountants
- Engineers
- Scientists
- Managers
- Planners
- Inspectors
- Officers
- Researchers

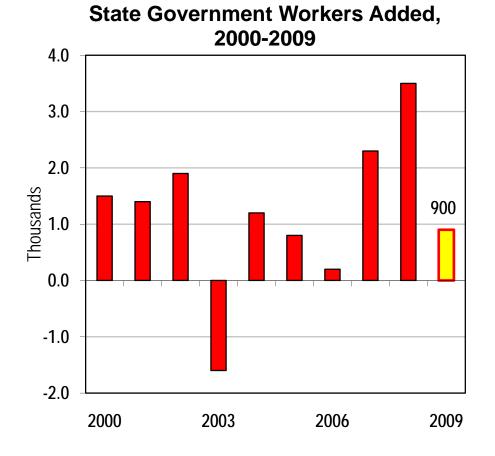








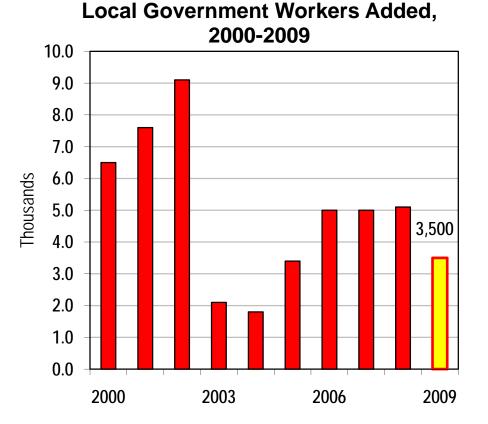
State Government





Sources: Colorado LMI, CO BEO Committee.

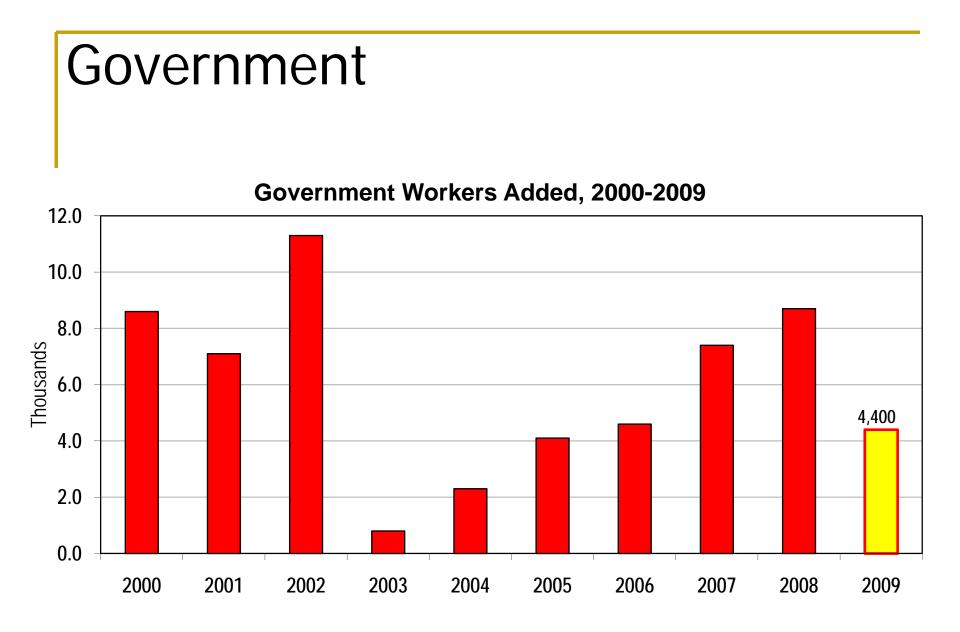
Local Government





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Sources: Colorado LMI, CO BEO Committee.



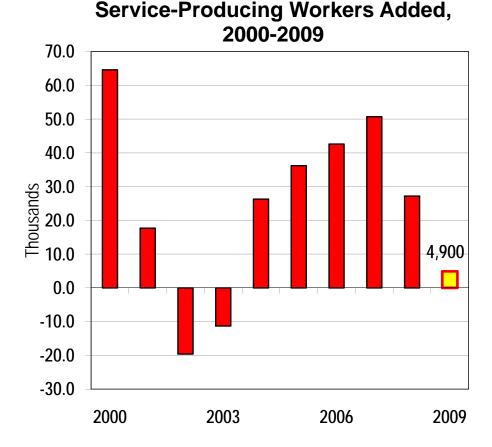
Sources: Colorado LMI, CO BEO Committee.



Service-Producing Employment

Colorado Employment Information TTU 3.2% Financial Activities 18.2% 6.6% **PBS** 15.2% Goods-Producing EHS 13.9% 10.9% L&H Government 11.5% Other 16.5% Services 4.1%

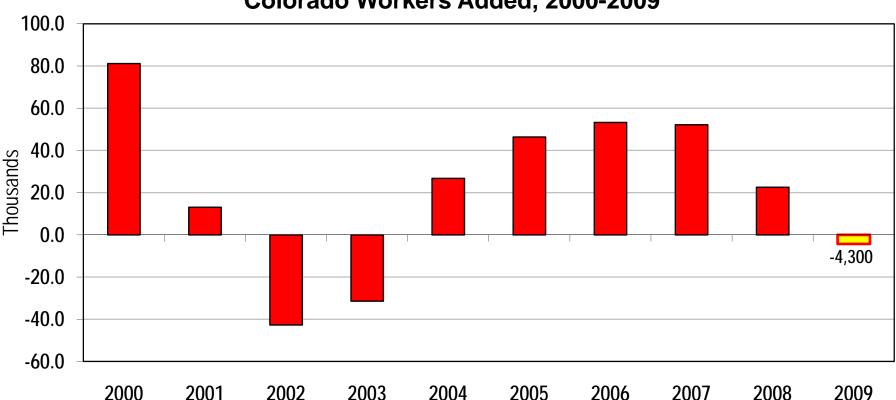
Service-Producing Share of



Source: Colorado LMI, CO BEO Committee.



Colorado Total Employment



Colorado Workers Added, 2000-2009

Sources: Colorado LMI, CO BEO Committees.



Today



- Fundamentals strong
- Employment losses
 - Broad-based
 - Shallow
 - Fewer than last recession



Tomorrow

- People want to live in Colorado
- Population growth
- State's image enhanced
- Competitive housing prices





The Future . . .

- Visitors will return!
- Highly educated workforce
- Advanced/disruptive technologies





We will all feel the effects of the recession in 2009 and beyond ...

However, Colorado is a great place to live during good times and bad!

44th Annual Business Economic Outlook Forum



http://leeds.colorado.edu/brd

Presented by the

Business Research Division

Leeds School of Business

University of Colorado at Boulder

and

BBVA Compass



Industry Breakout Sessions

- An Energy Update and Policy Issues Facing the State and the Next Administration (*Mt. Oxford Room*)
- The Future of Finance, Banking, and Equity Markets (*Mt. Columbia Room*)
- Is There a Crisis in Colorado Real Estate Markets? (Maroon Peak Room)



Thank You

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BUSINESS LEADERS CONFIDENCE

Registration Information - Please help us analyze the BLCI results by providing the following panelist registration information. This information is required for us to understand panel composition. It is used only for analysis and to contact you about future BLCI surveys; it will not be sold or voluntarily provided to outside third parties. Please complete all information or attach a business card using the adhesive.

Title: Company: Address: City, St., Zip Code: E-Mail:

- Industry
- Agriculture, Forestry, Fishing and Hunting
- □ Mining
- Utilities
- □ Construction
- □ Manufacturing
- □ Wholesale Trade
- Retail Trade
- Transportation and Warehousing
- □ Information
- □ Finance and Insurance
- Real Estate, Rental and Leasing

Annual Sales

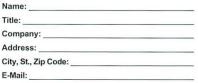
- □ Under \$1 million □ \$50 to \$100 million
- □ \$1 to \$5 million □ \$100 to \$250 million
- □ \$5 to \$10 million □ More than \$250 million
- \$10 to \$25 million Undisclosed
- □ \$25 to \$50 million

BLCI Survey

Comparing the upcoming quarter to the current quarter, what are your expectations for change in the following categories?

	Strong Decrease	Moderate Decrease	No Change	Moderate Increase	Strong Increase
Industry Sales					
Industry Profits					
Industry Hiring Plans					
Industry Capital Expenditures					
	Much Worse	Somewhat Worse	Remain the Same	Somewhat Better	Much Better
State Economic Outlook					
National Economic Outlook					
				BBVA CO	ompass

Compass



Remove sticker and attach business card

- - Management of Companies and Enterprises
 - Administration, Support, Waste Management, and **Remediation Services**

Professional, Scientific and Technical Services

- Education Services
- Health Care and Social Assistance
- Arts, Entertainment and Recreation
- Accommodation and Food Services
- Other Services (except Public Administration)
- Public Administration

Number of Employees

None	20 to 99
1 to 4	100 to 499
5 to 9	500 to 999
10 to 19	1,000 or more

Thank You – Steering Committee

- Jim Burnell
- Patrick Byrne
- Steve Fisher
- Elizabeth Garner
- Charles Goeldner
- Mark Hamouz
- Gary Horvath
- Bill Kendall
- Brian Lewandowski
- Tom Lipetzky
- Donna Marshall

- Vince Matthews
- Richard Morgan
- Natalie Mullis
- Penn Pfiffner
- Pam Reichert
- Tim Sheesley
- Patty Silverstein
- Joseph Winter
- Richard Wobbekind



Thank You – Around the State

Boulder

Frances Draper Jennifer Pinsonneault

La Plata County

Luke Miller Robert Sonora Deborah Walker

Mesa County

Ann Driggers

Northern Colorado

David Keyser Martin Shields

Pueblo County

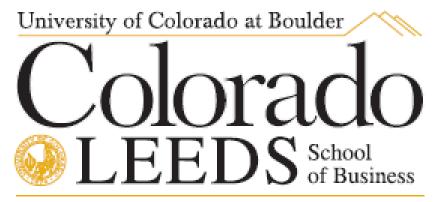
David Cockrell Don Vest

Southern Colorado

Fred Crowley Tom Zwirlein



Thank You – BRD Staff



BUSINESS RESEARCH DIVISION



Question and Answer Panel

Bill Kendall

Center for Business and Economic Forecasting

Todd Saliman

Governor's Office of State Planning and Budgeting

Tim Sheesley

Xcel Energy





Mr. Lee McIntire

President - Chief Executive Officer Elect

CH2M Hill



Industry Breakout Sessions and Reception

- An Energy Update and Policy Issues Facing the State and the Next Administration (Upstairs in the Mt. Oxford Room)
- The Future of Finance, Banking, and Equity Markets (Upstairs in the Mt. Columbia Room)
- Is There a Crisis in Colorado Real Estate Markets? (Across the lobby in the Maroon Peak Room)
- Reception in the Imperial Foyer immediately following the breakout sessions.

