

# Emerging Trends in the U.S. and Colorado Economies

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*The views expressed are those of the presenter and do not necessarily reflect the positions of the Federal Reserve Bank of Kansas City or the Federal Reserve System.*

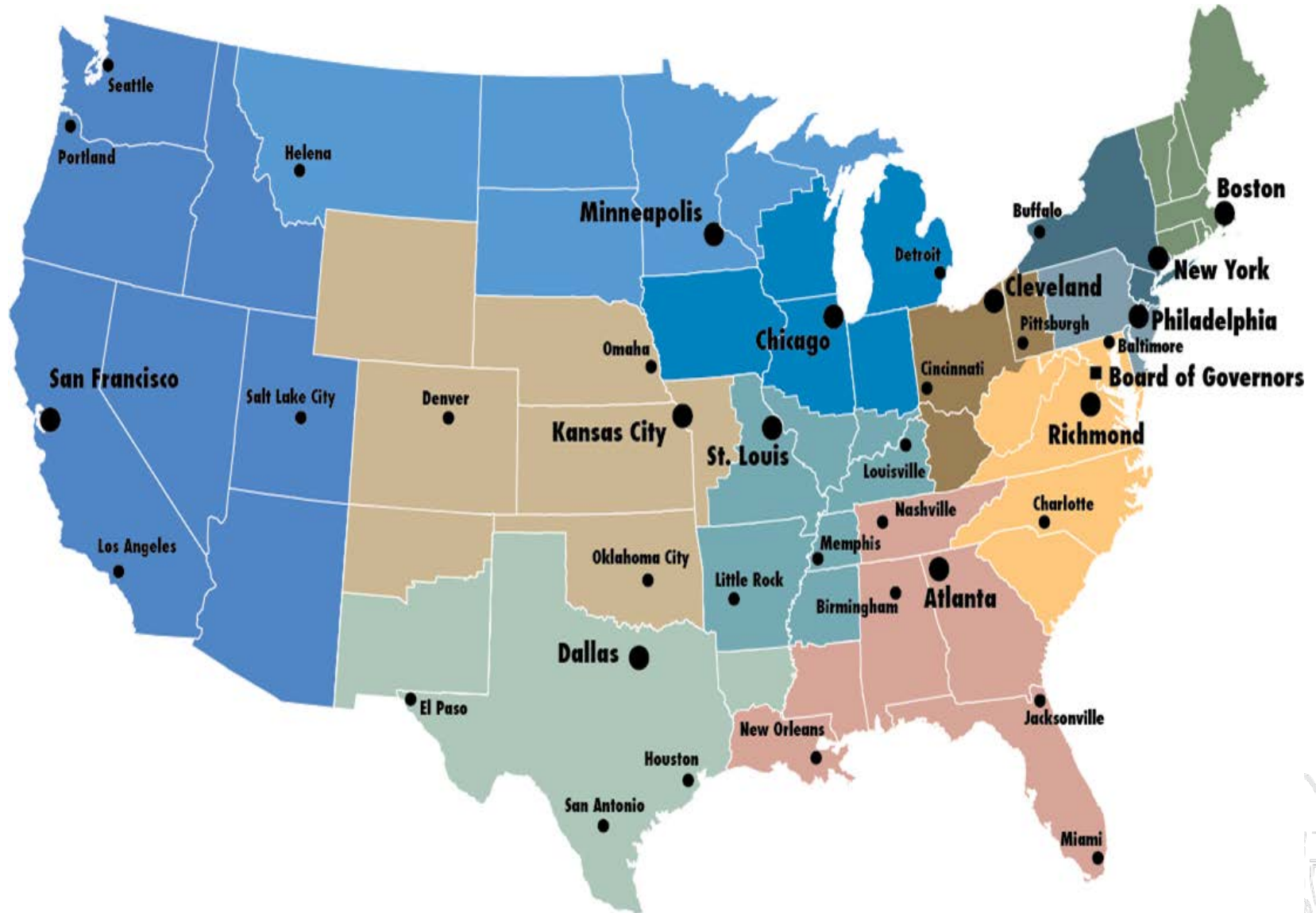


# The Structure of the Federal Reserve System

- The Federal Reserve System was created by Congress in 1913.
- It is a public-private, decentralized institution consisting of the Board of Governors in Washington, D.C. and 12 regional Reserve Banks.
  - Board of Governors
    - Consists of seven members who are appointed by the President and confirmed by the Senate to serve 14-year terms.
    - There are currently five members of the Board of Governors: Jerome Powell, Michelle Bowman, Lael Brainard, Richard Clarida and Randal Quarles.
  - Regional Federal Reserve Banks
    - There are 12 Regional Reserve Banks, each serving a unique district. These are semi-independent by design.
    - The Reserve Banks are governed by their Board of Directors, and the Directors (excluding Banking Directors) select the President of the Bank.
  - Federal Open Market Committee (FOMC)
    - Comprised of the 7 members of the Board of Governors and the 12 Reserve Bank Presidents (only 5 presidents are voting members on a rotating basis).
    - Charged with conducting monetary policy.



# Regional Federal Reserve Banks and Branch Locations



# The Primary Functions of the Federal Reserve System

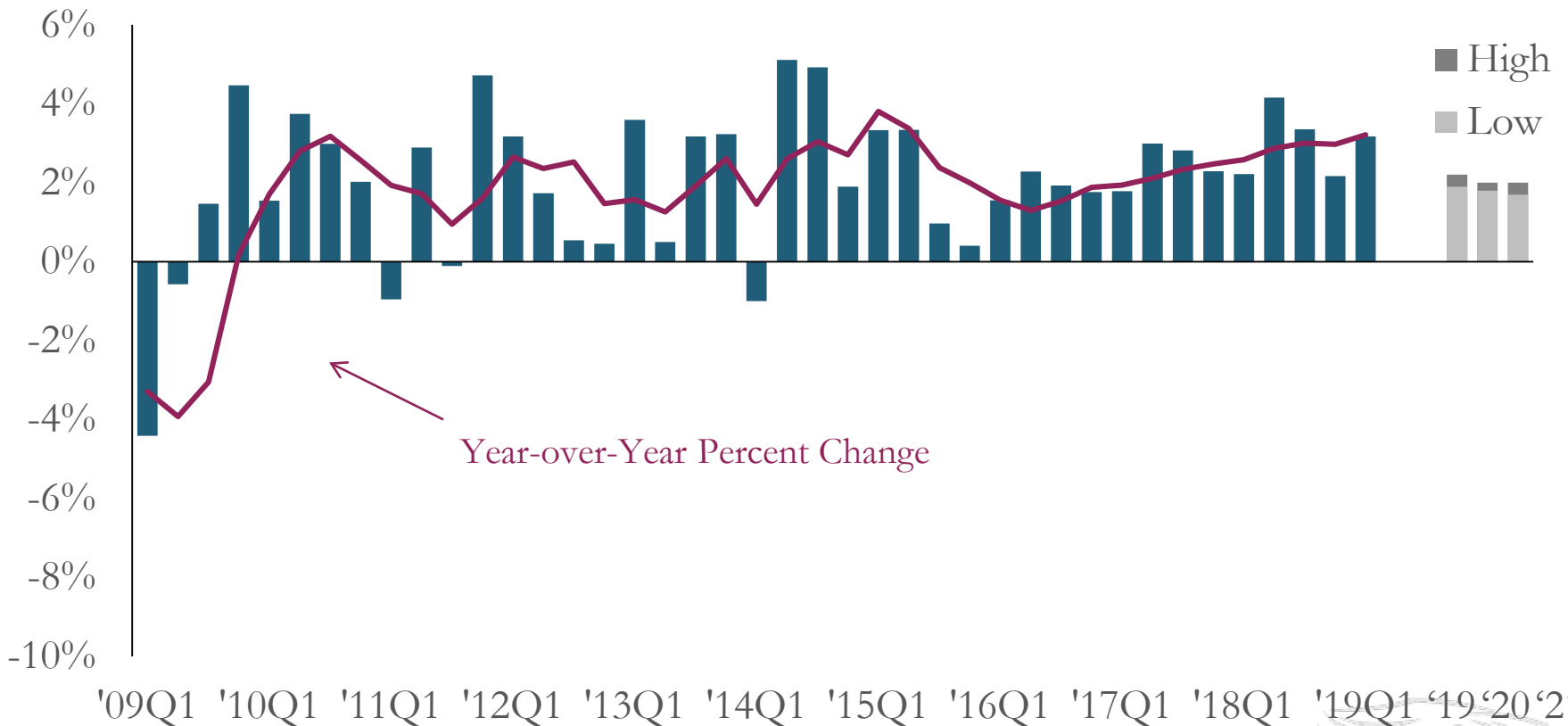
- Conduct the Nation's Monetary Policy
  - The Federal Open Market Committee is the group charged with conducting monetary policy within the U.S.
  - The Committee has a statutory mandate from Congress to promote maximum employment, stable prices and moderate long-term interest rates.
- Provide and Maintain an Effective and Efficient Payments System
  - The Federal Reserve supplies payments services to the public through depository institutions including banks, credit unions and savings and loans.
  - We also serve as a banking and fiscal agent for the United States government.
  - Payment services includes cash processing, processing and clearing checks, transferring funds and issuing, transferring and redeeming U.S. government securities.
- Supervise and Regulate Banking Operations
  - The Federal Reserve ensures the safety and soundness of banks and ensures that banks provide fair and equitable services to consumers.
  - The Federal Reserve also monitors and promotes the stability of the financial system as a whole.



After accelerating last year, U.S. economic growth is expected to slow modestly in the years ahead.

## REAL U.S. GROSS DOMESTIC PRODUCT

*Percent Change from Previous Quarter at Seasonally Adjusted Annualized Rates*



Sources: Bureau of Economic Analysis and Federal Open Market Committee (FOMC) / Haver Analytics

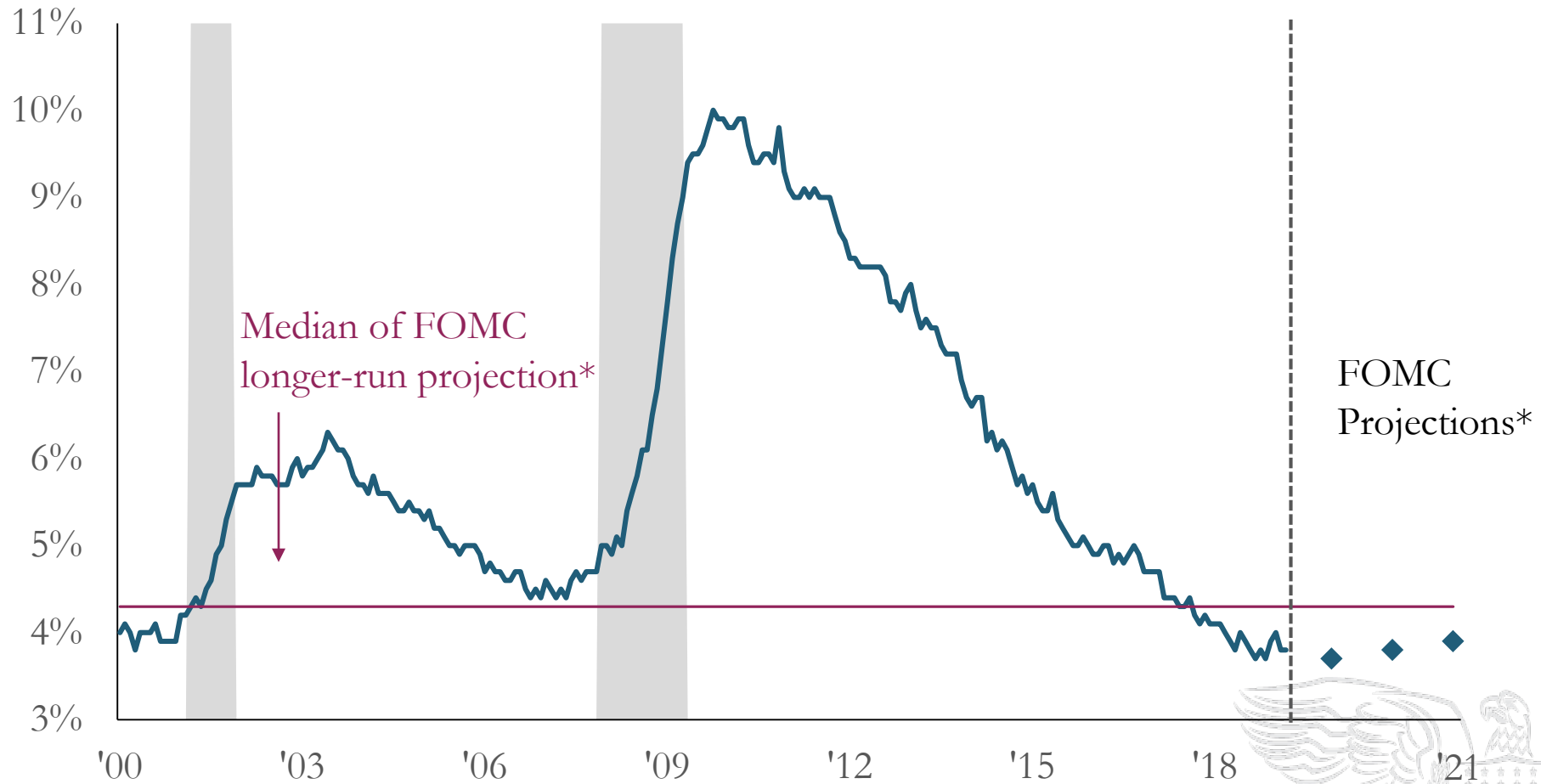
\*Projections as of March FOMC meeting



The unemployment rate has declined steadily over the past eight years and has fallen below most estimates of its longer-run level.

## U. S. UNEMPLOYMENT RATE

*Seasonally Adjusted*



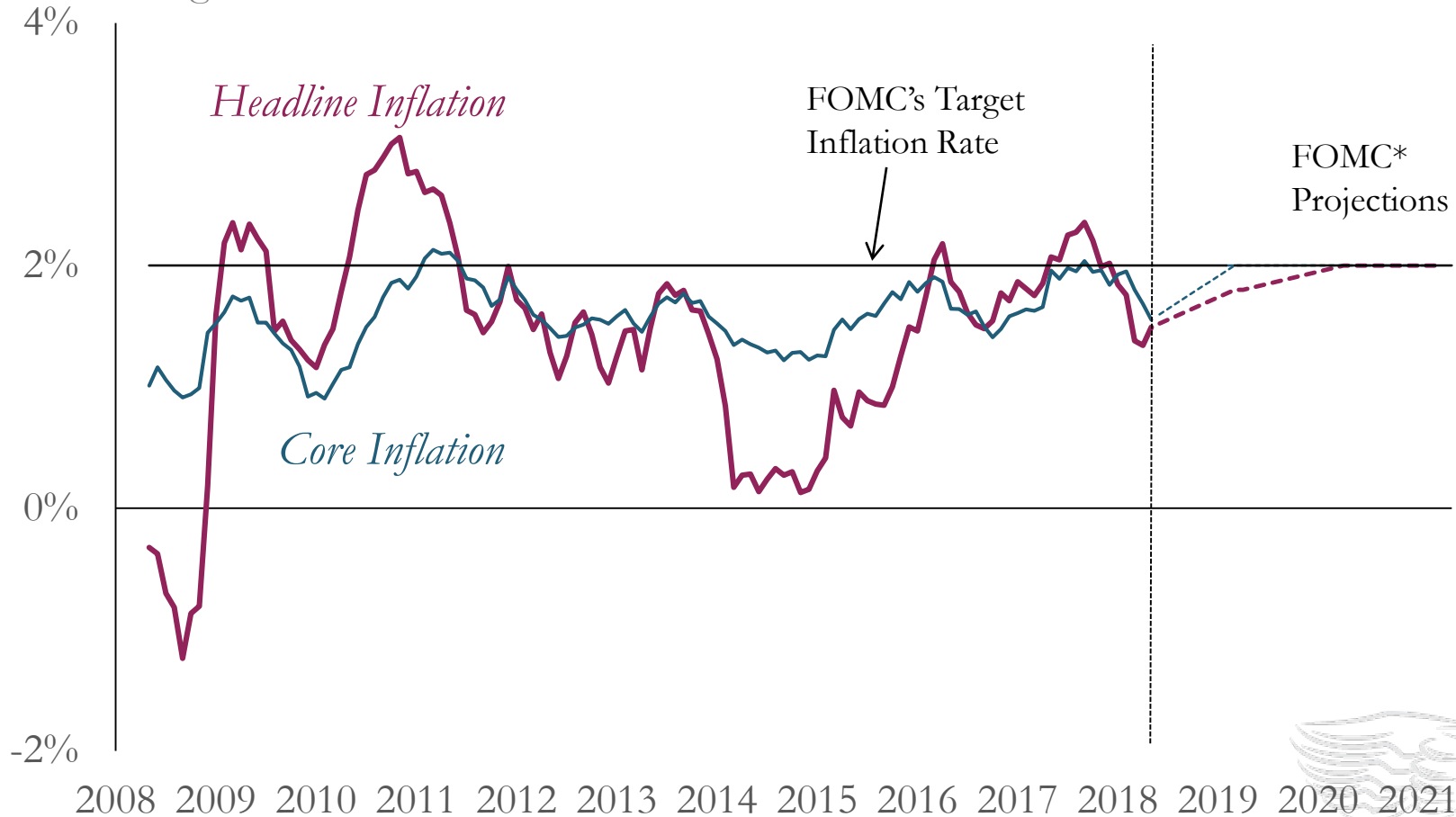
Sources: Bureau of Labor Statistics, National Bureau of Economic Research and Federal Open Market Committee (FOMC) / Haver Analytics

\*Projections as of March FOMC meeting; median unemployment rate

# Inflation remains near the FOMC's two percent target.

## PERSONAL CONSUMPTION EXPENDITURE PRICE INDEX (PCEPI)

Percent Change Year-over-Year



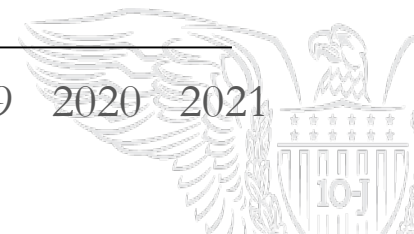
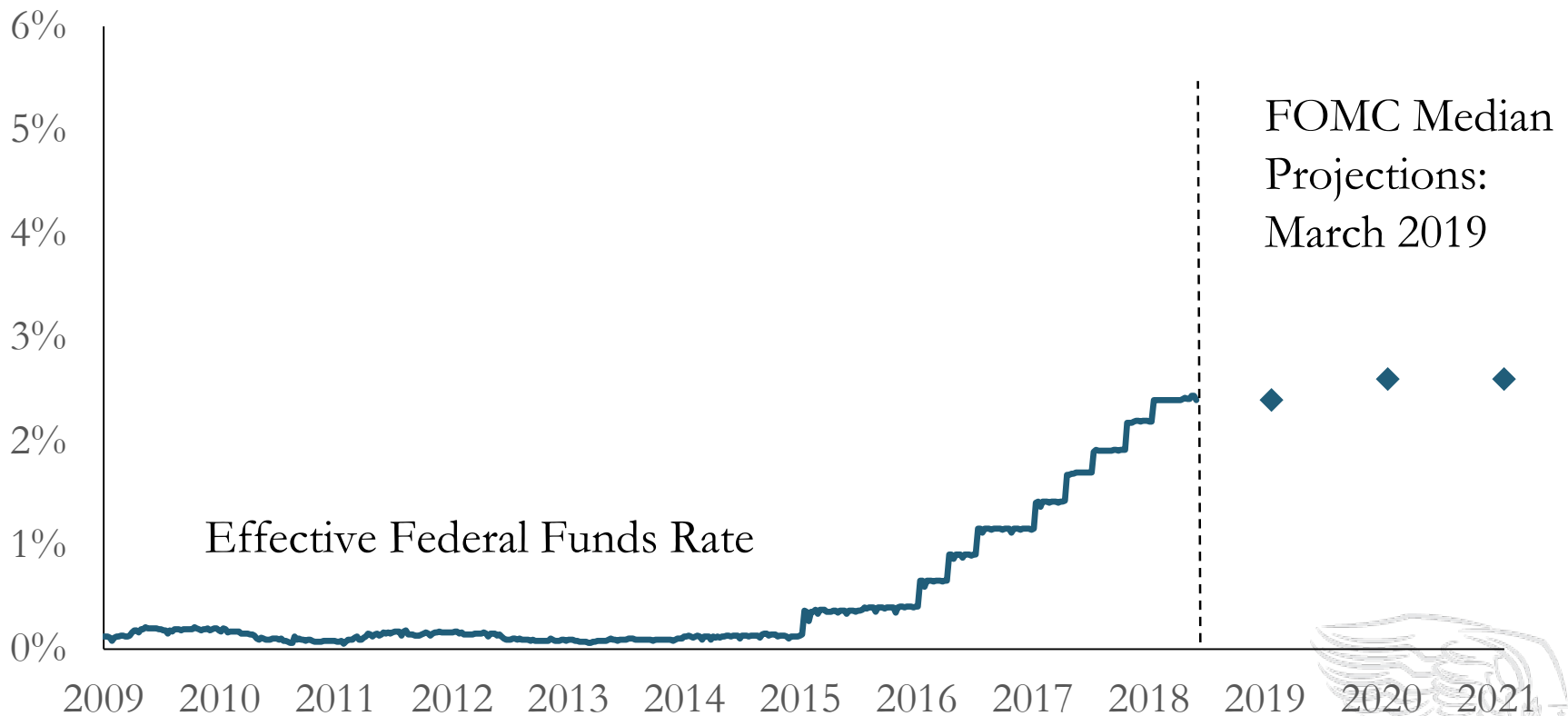
Sources: Bureau of Economic Analysis and Federal Open Market Committee / Haver Analytics

\*Projections as of March FOMC meeting; median projections



“Consistent with its statutory mandate, the Committee seeks to foster maximum employment and price stability. In support of these goals, the Committee decided to maintain the target range for the federal funds rate at 2-1/4 to 2-1/2 percent.”

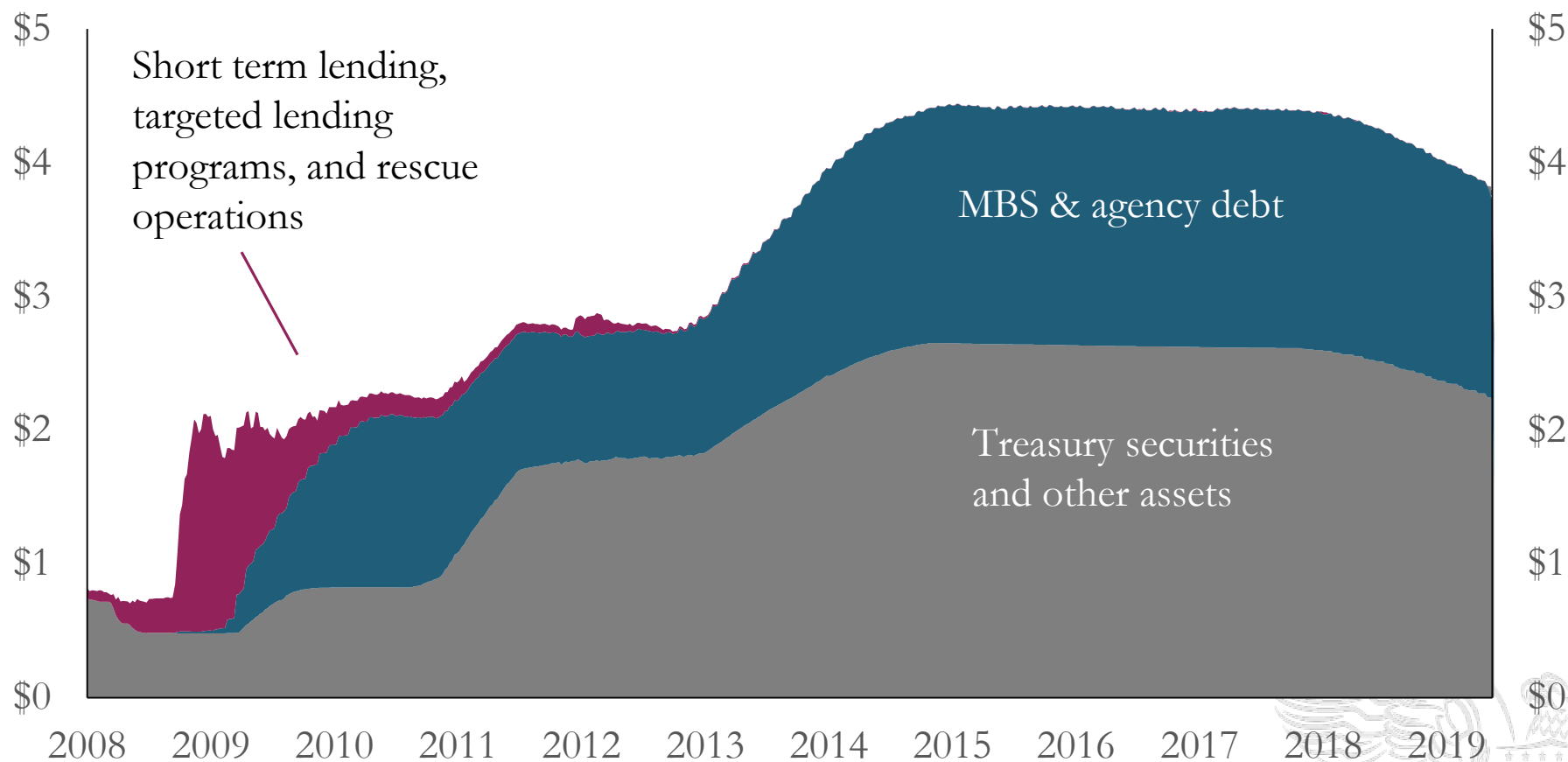
- *May 2019 FOMC Statement*





# FEDERAL RESERVE BALANCE SHEET

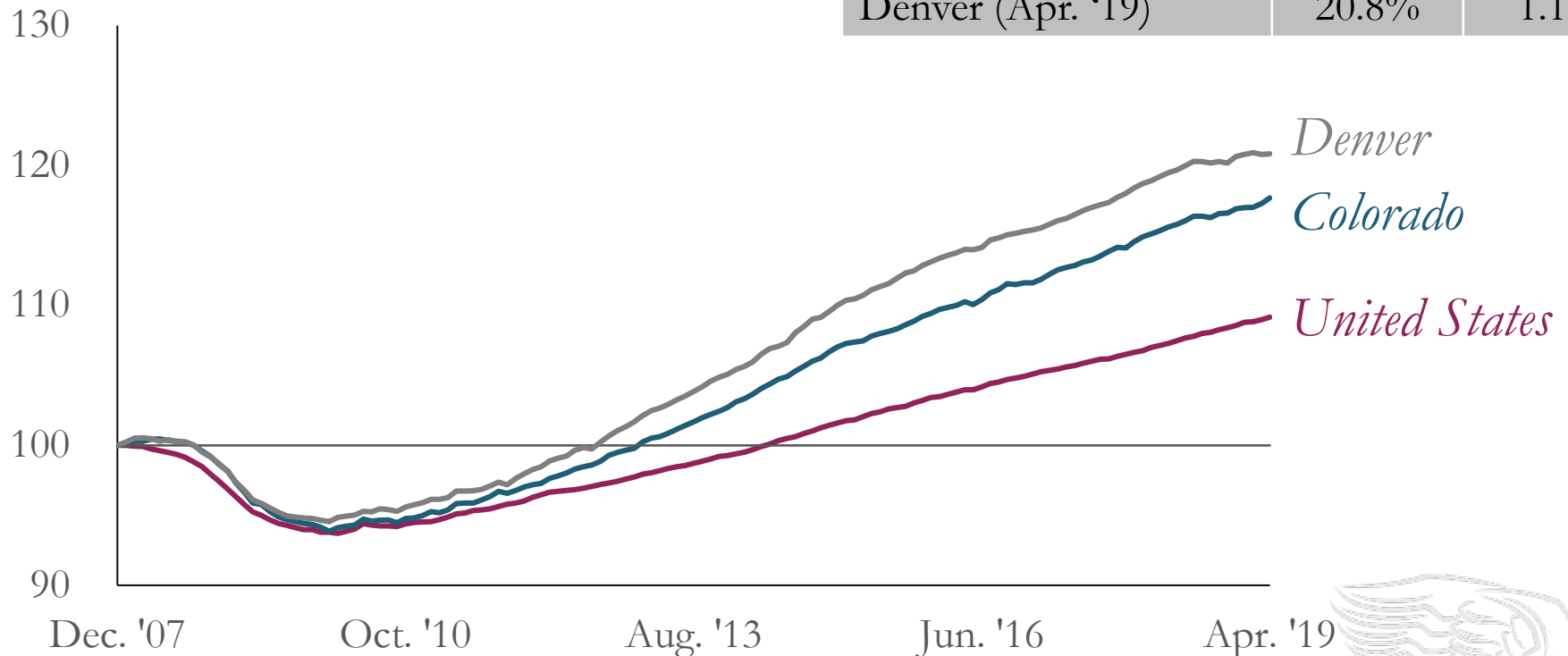
*Trillions*



# Employment has been increasing in Colorado and the nation for more than eight years.

## PAYROLL EMPLOYMENT GROWTH

*Index 100 = December 2007, Seasonally Adjusted*



<i>Percent Change</i>	<i>Dec. '07 to Present</i>	<i>Past Year</i>
U.S. (Apr. '19)	9.2%	1.8%
Colorado (Apr. '19)	17.7%	1.8%
Denver (Apr. '19)	20.8%	1.1%

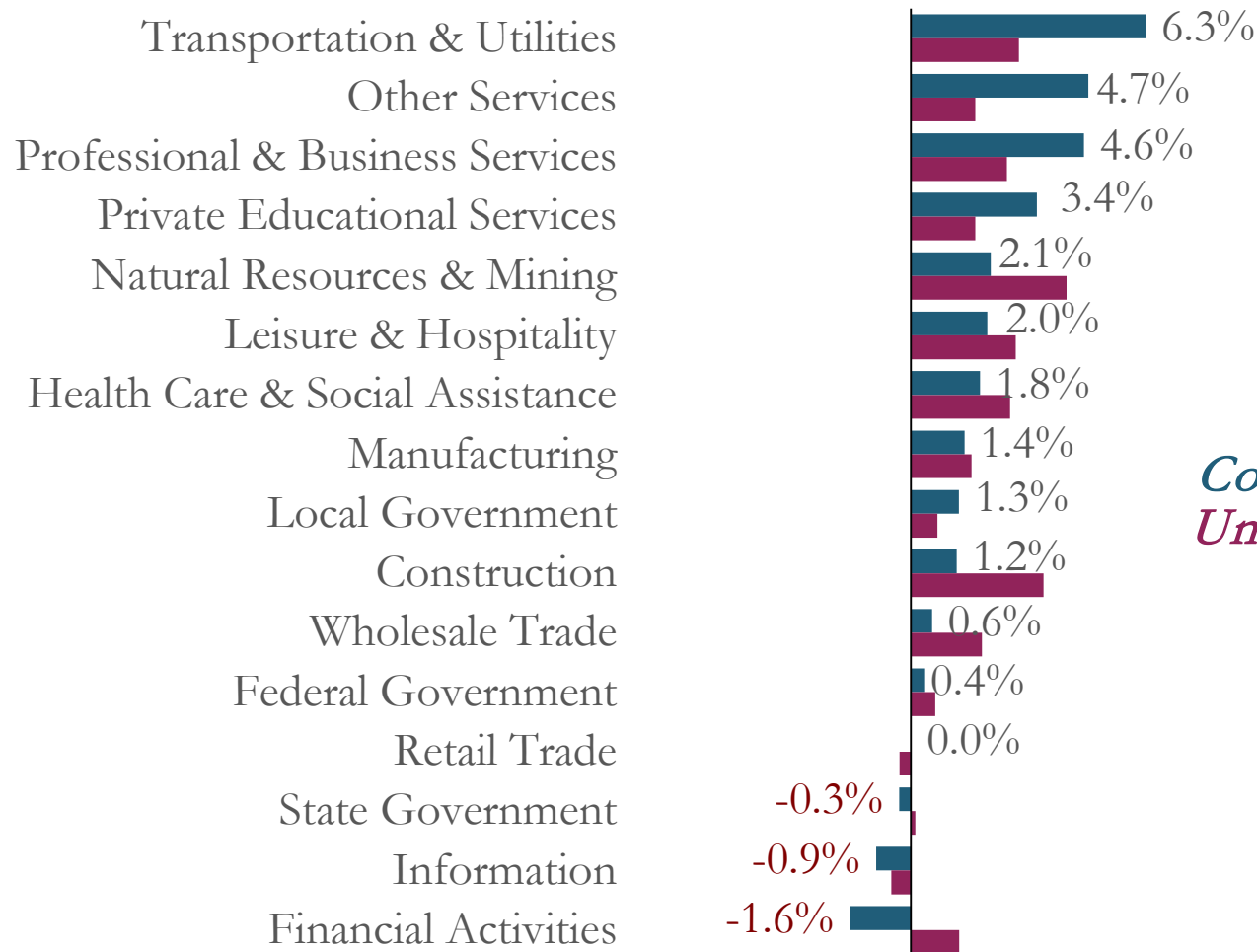


# The majority of industries in Colorado have added jobs over the past year.

## CHANGE IN PAYROLL EMPLOYMENT, APRIL 2019

*Seasonally Adjusted*

*Percent Change Year-over-Year*



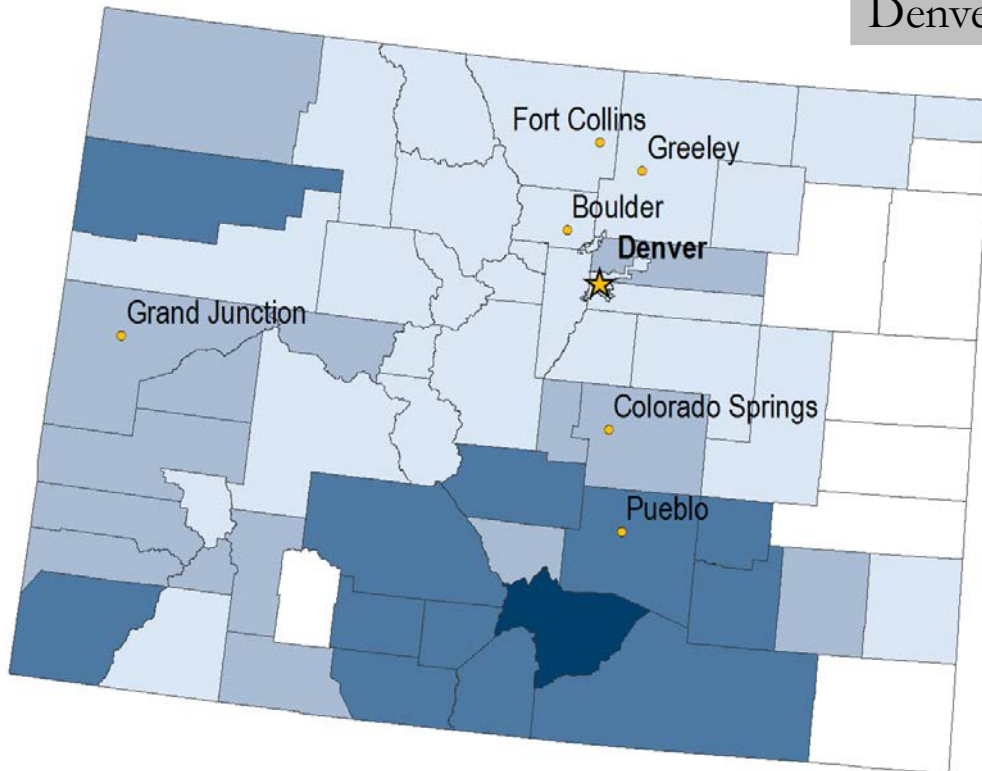
*Colorado*  
*United States*



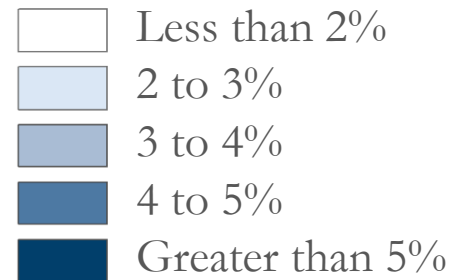
# Unemployment rates are low across most of Colorado.

## UNEMPLOYMENT RATES *March 2019, Seasonally Adjusted*

<i>Unemployment Rate</i>	<i>U-3</i>	<i>U-5*</i>	<i>U-6*</i>
United States (Apr. '19)	3.6%	4.4%	7.3%
Colorado (Apr. '19)	3.4%	3.8%	6.5%
Denver (Mar. '19)	3.3%		



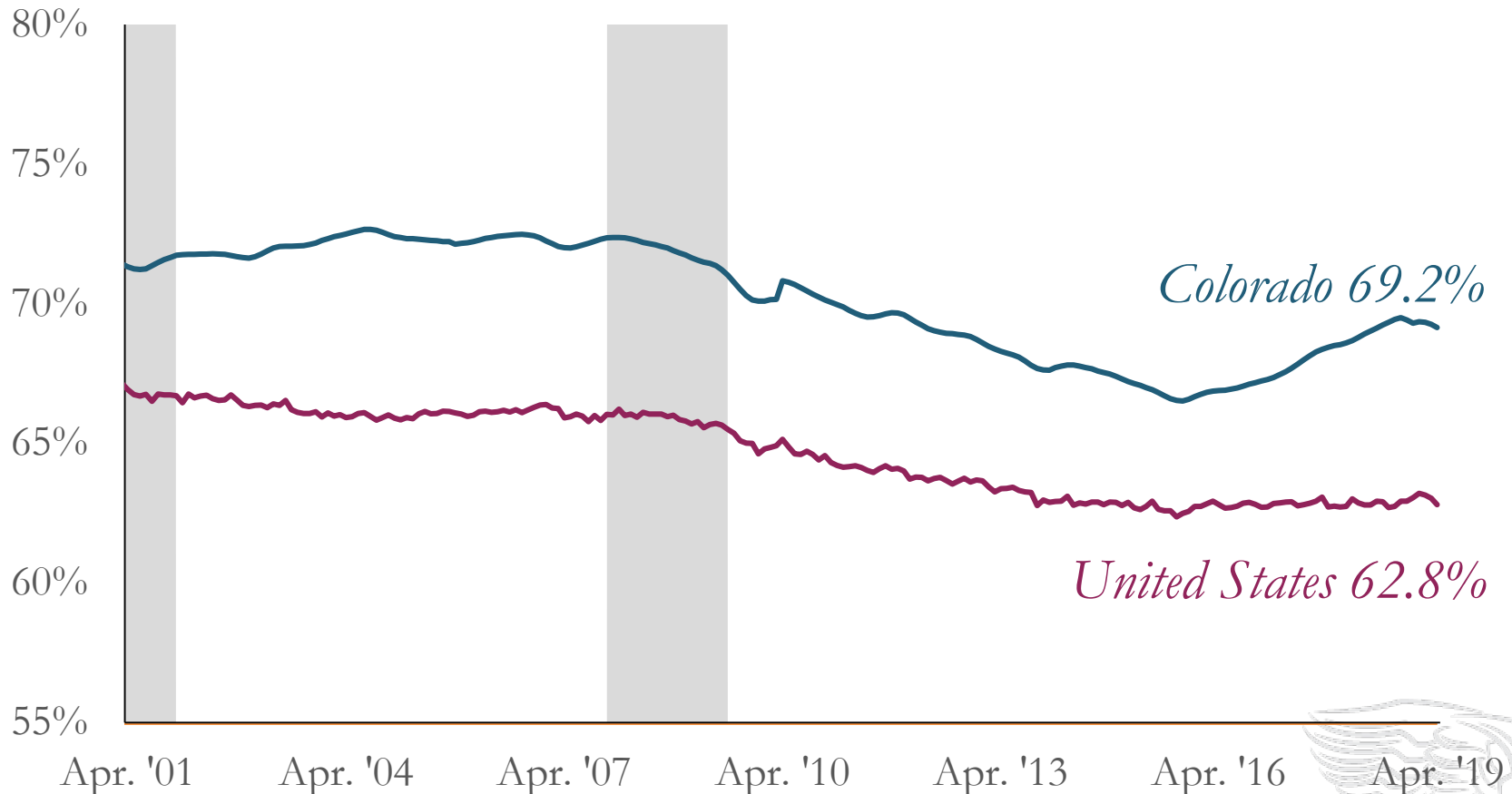
*\*U-5 and U-6 values are 12-month moving averages as of Q1 2019 for Colorado and are for April, 2019 for the United States.*



Labor force participation rates have increased substantially in Colorado over the past three years.

## LABOR FORCE PARTICIPATION RATES

*Seasonally Adjusted*



Note: Gray bars indicate recession.

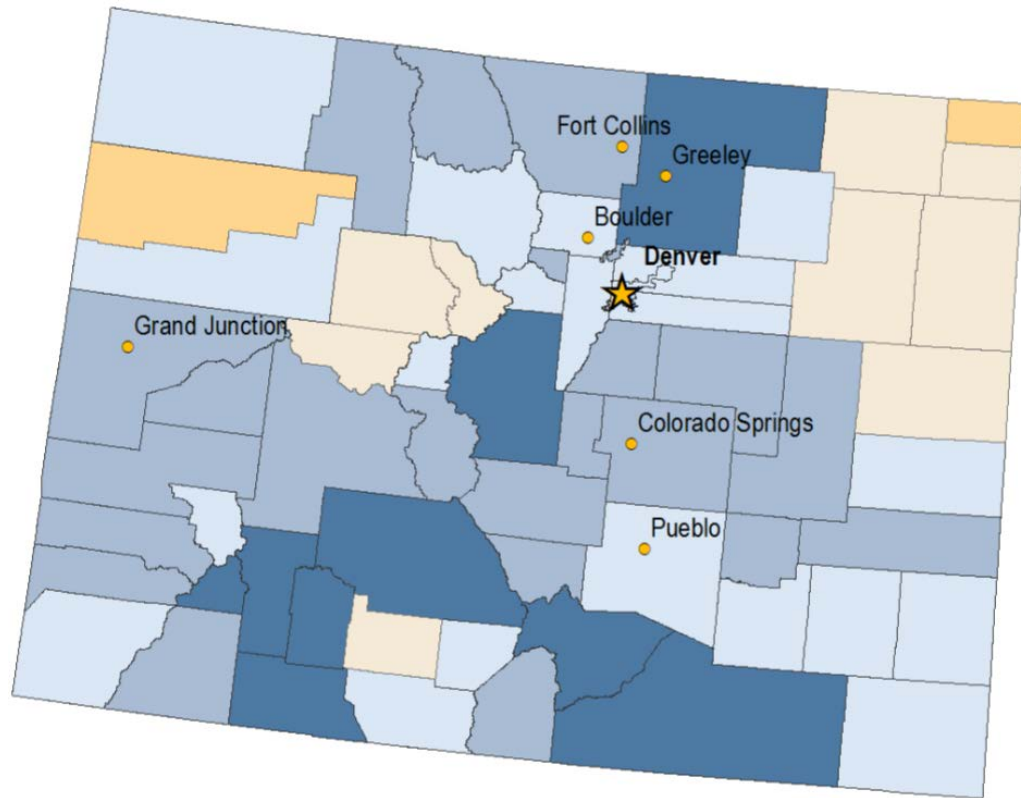
Sources: Bureau of Labor Statistics and National Bureau of Economic Research / Haver Analytics



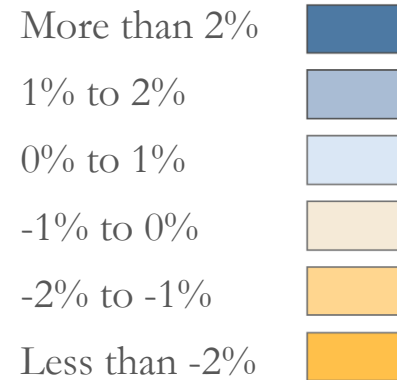
Colorado continues to experience net in-migration, but the pace of growth has slowed somewhat over the past couple of years.

## NET MIGRATION

*Total 2018 Net Migration as a Percentage of 2018 Population*



<i>Annual Percent Change</i>	<i>2018</i>
United States	0.3%
Colorado	0.9%
Denver County	0.9%

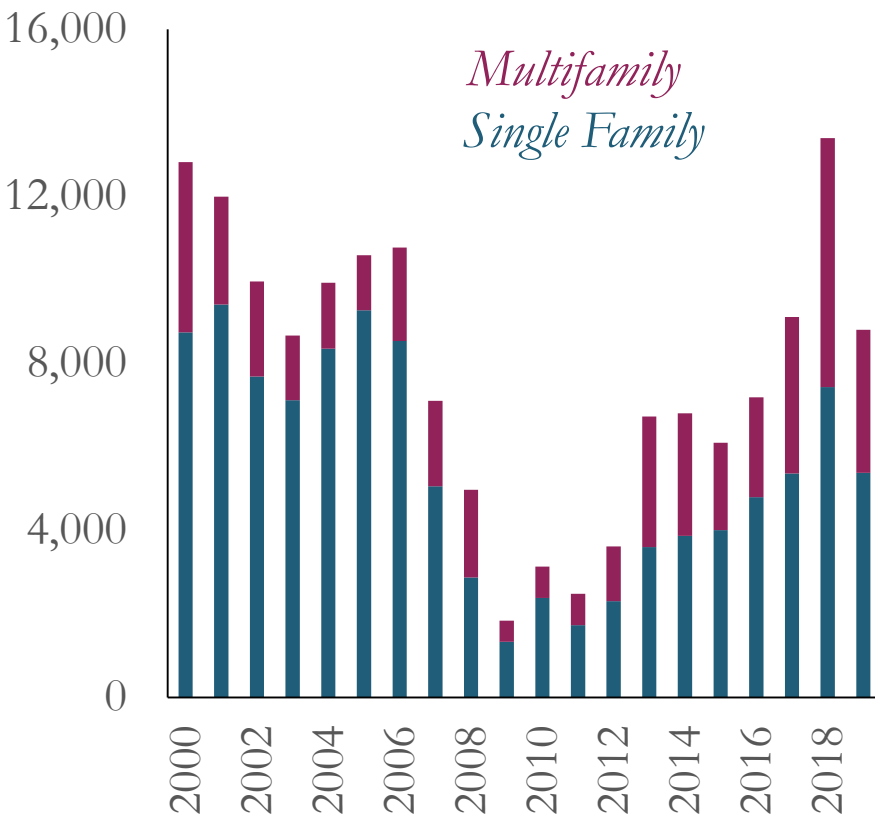


Residential construction activity has increased significantly since 2009, but permitting has declined so far this year.

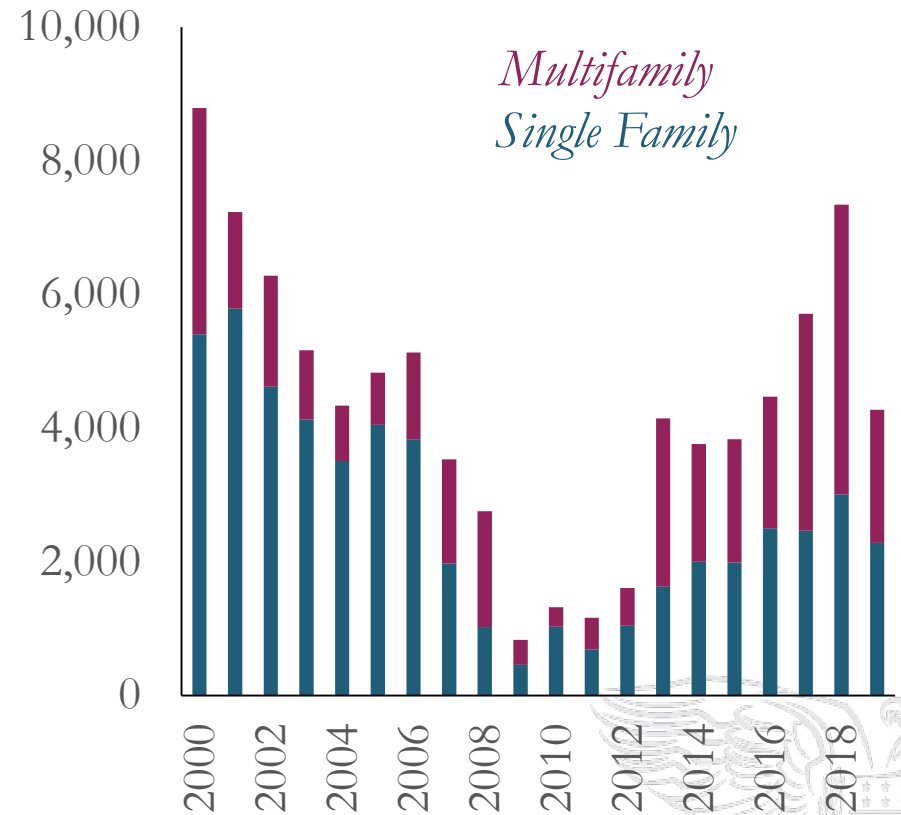
## RESIDENTIAL PERMITS

*Seasonally Adjusted, Year-to-Date through March*

Colorado



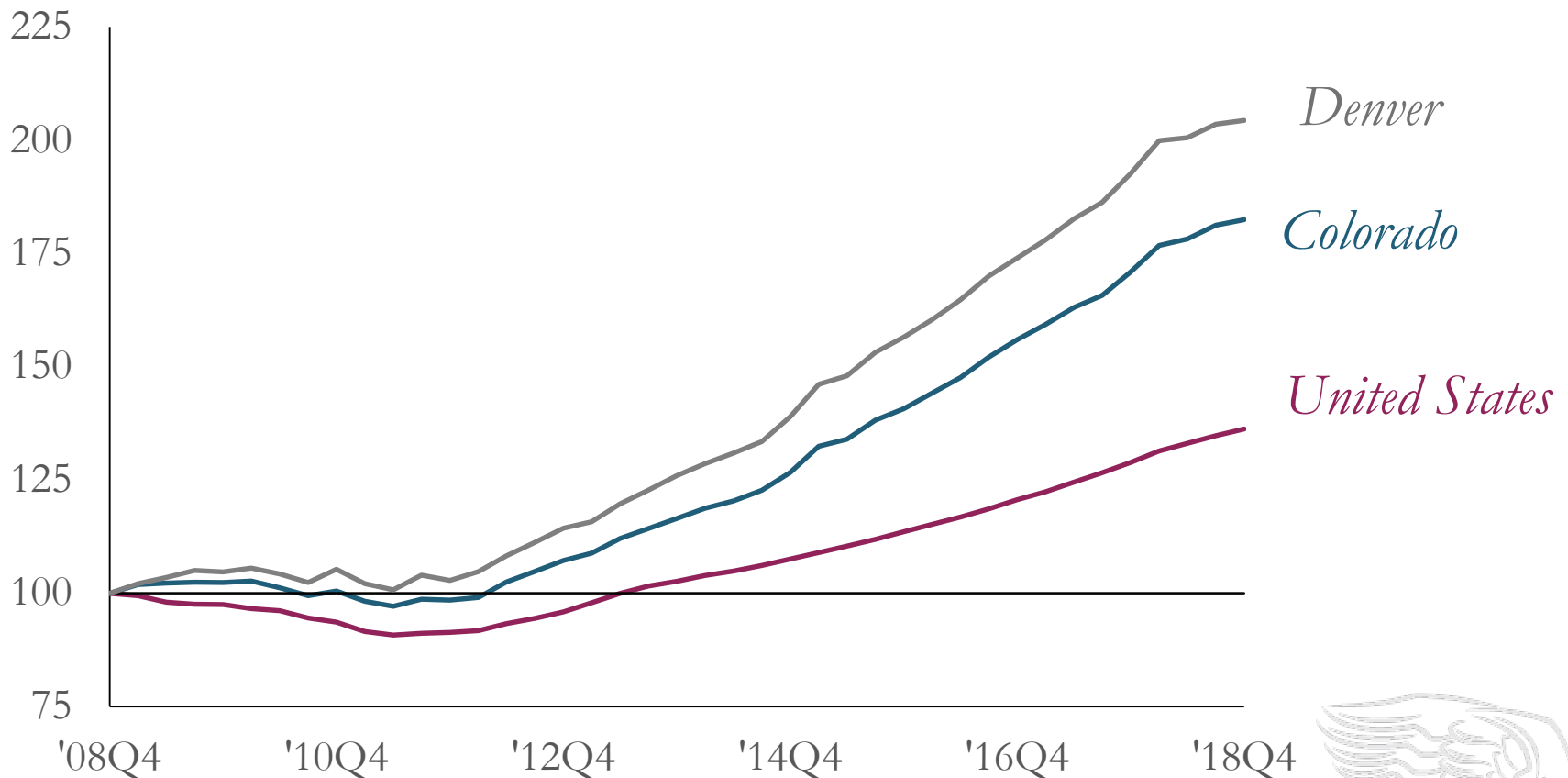
Denver



# Low inventories have led to strong home price appreciation in recent years in Colorado.

## HOME PRICES

*Seasonally Adjusted, Index 100 = Q4:2008*

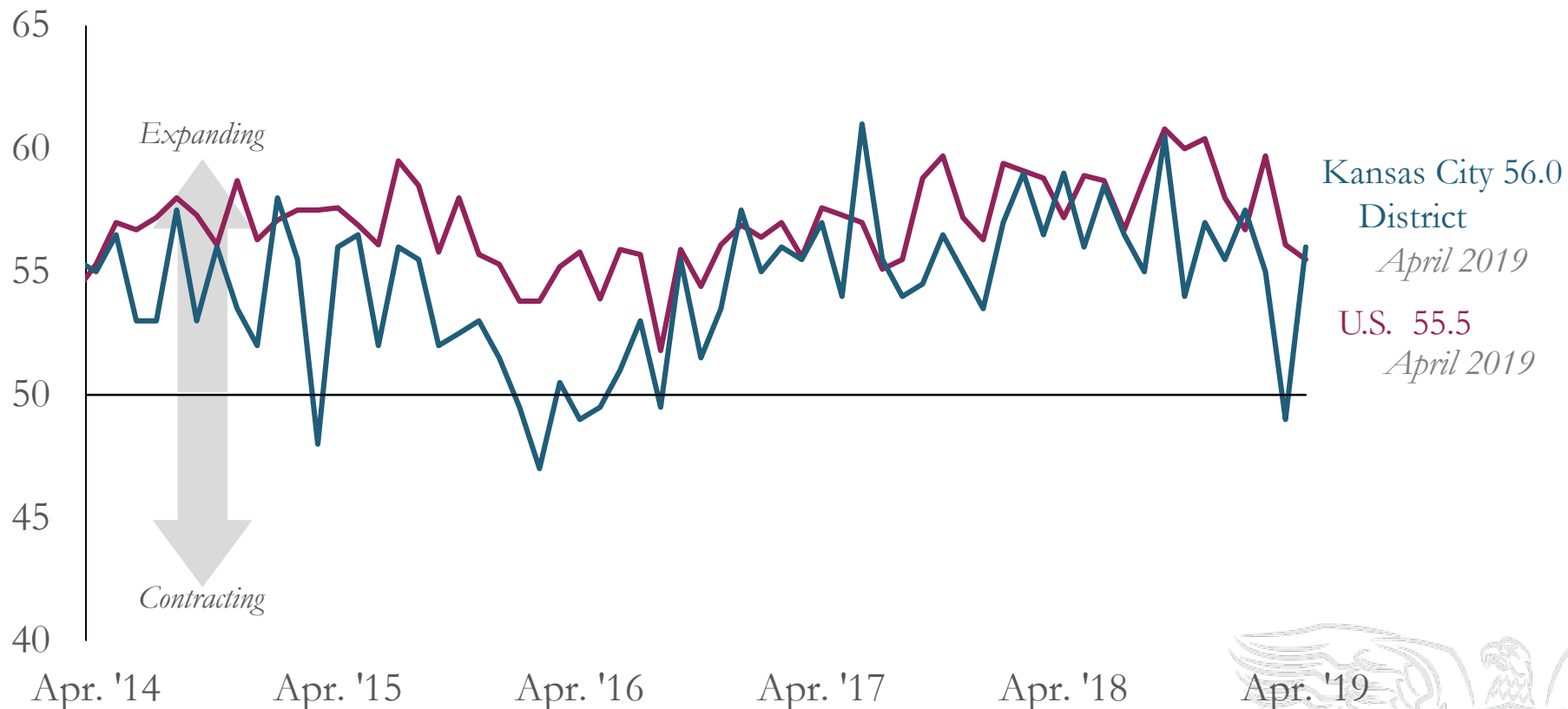




Overall, the services sector continues to expand at a solid pace.

## NON-MANUFACTURING AND SERVICES ACTIVITY

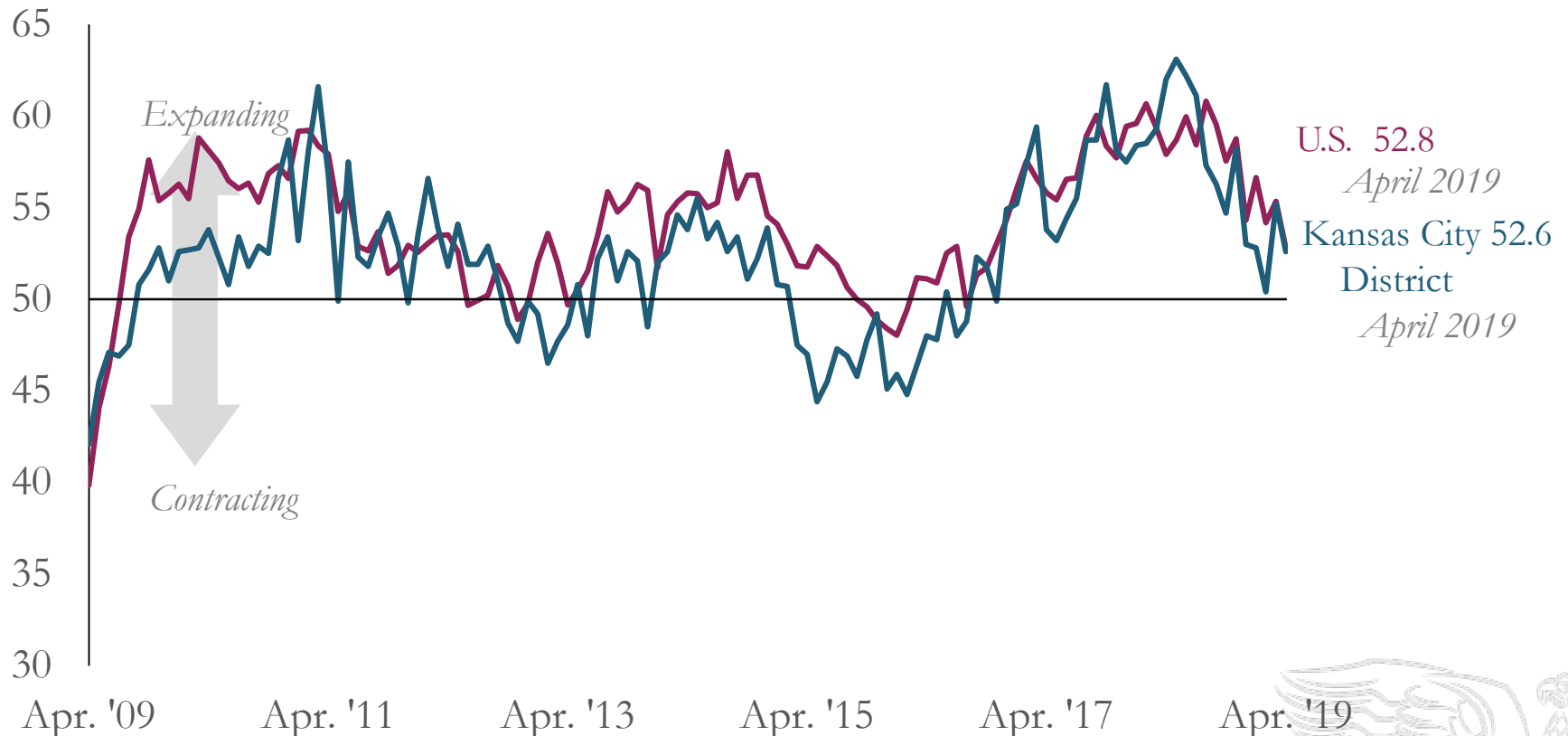
*Diffusion Index, Seasonally Adjusted, Month-over-Month*



Manufacturing activity has been strong the past two years, but recent surveys suggest the pace of expansion may be slowing.

## MANUFACTURING ACTIVITY

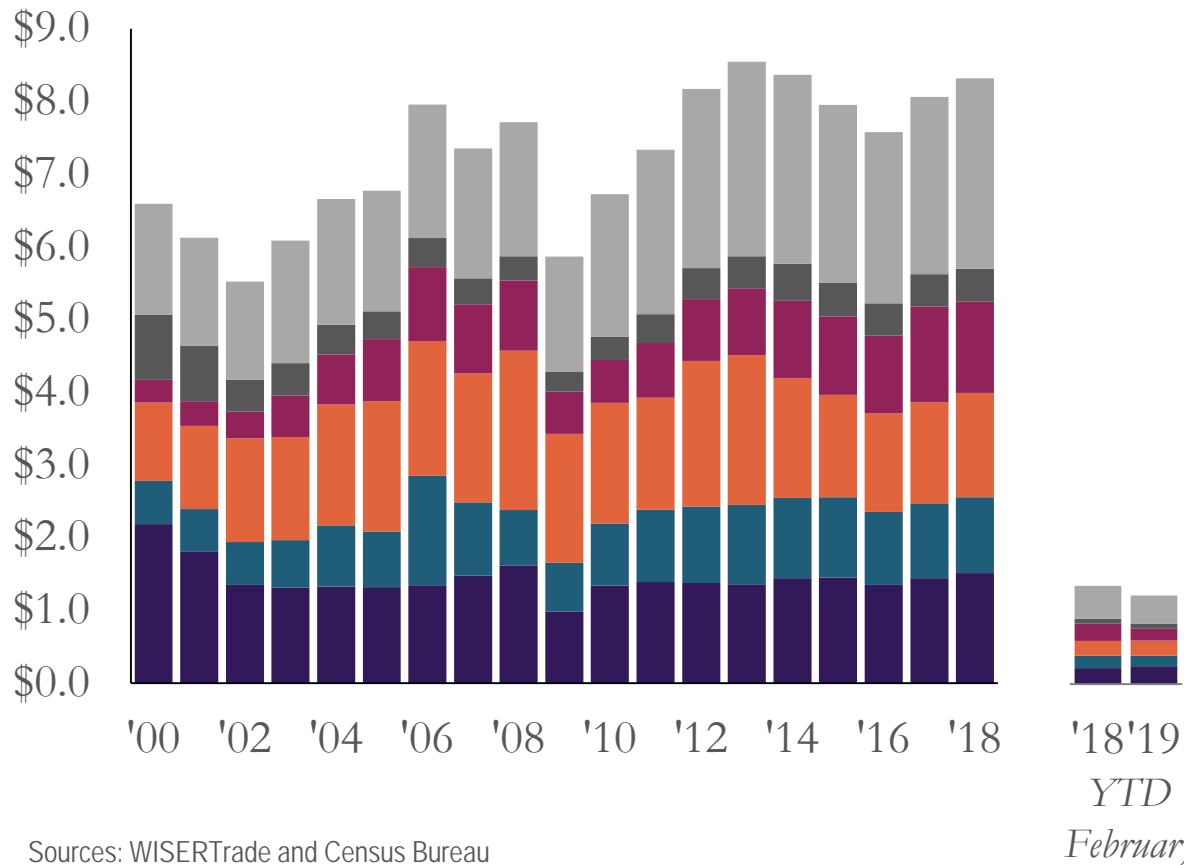
*Diffusion Index, Seasonally Adjusted, Month-over-Month*



# Despite ongoing trade and tariff concerns, exports from Colorado increased last year.

## COLORADO EXPORTS BY TRADING PARTNER

Billions



### DECEMBER 2018 YEAR-TO-DATE

*Year-over-Year Percent Change*

	Year-over-Year Percent Change	SHARE*
Total Trade	3.3%	SHARE*
All Other	7.6	31.5%
Japan	1.8	5.4
Mexico	-4.8	15.1
Canada	3.2	17.3
China	1.5	12.5
Eurozone	5.1	18.2

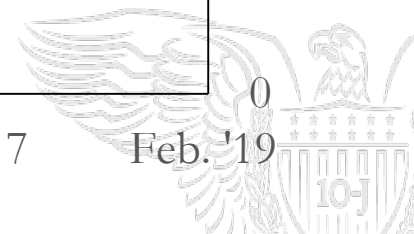
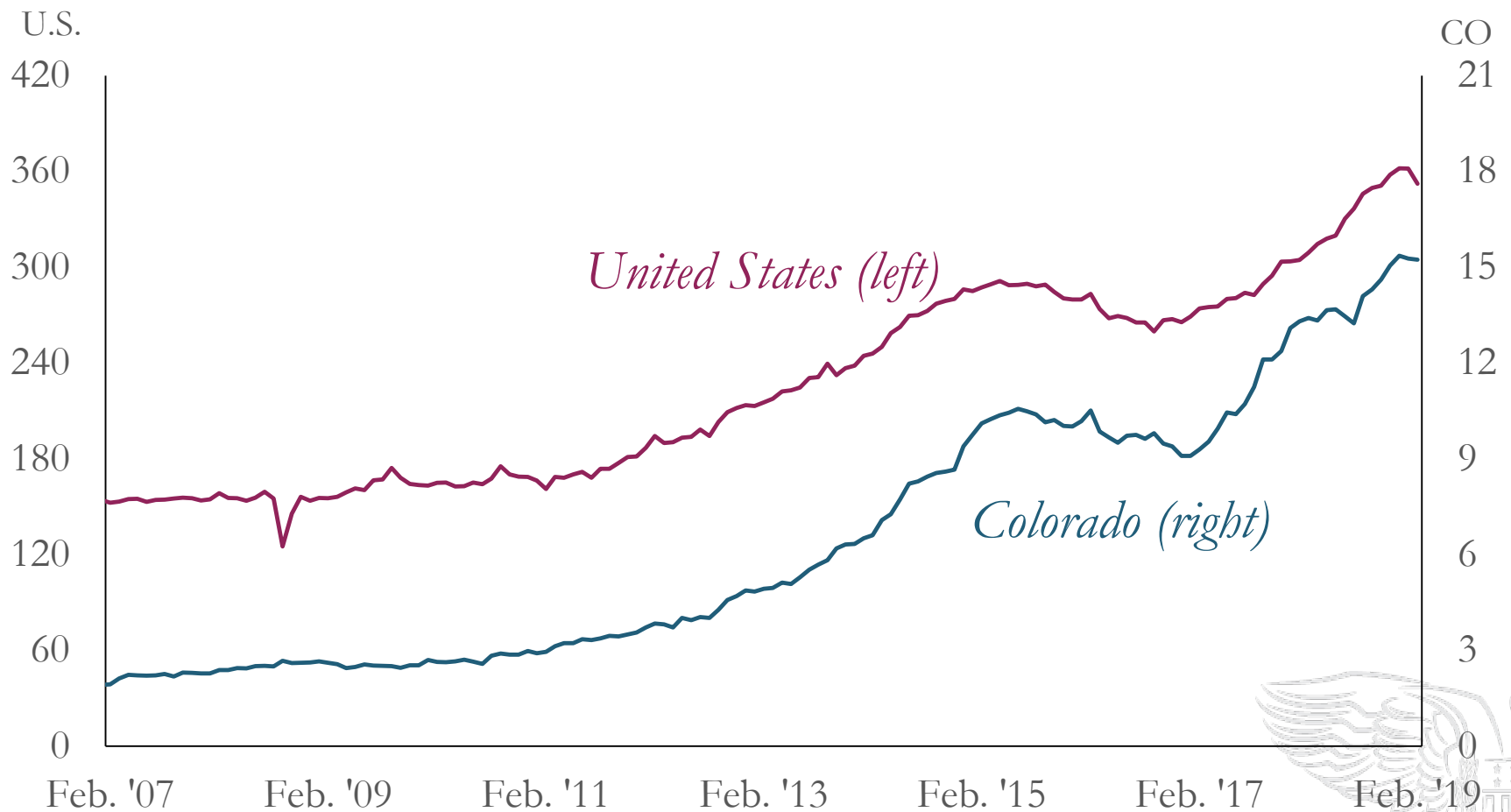
*\*Shares are for 2018*



Energy activity rose substantially over the past two years in response to higher oil prices.

## CRUDE OIL PRODUCTION

*Millions of Barrels, Monthly, Seasonally Adjusted*



After declining in the fourth quarter, oil prices have increased in recent months.

## OIL PRICES - WTI

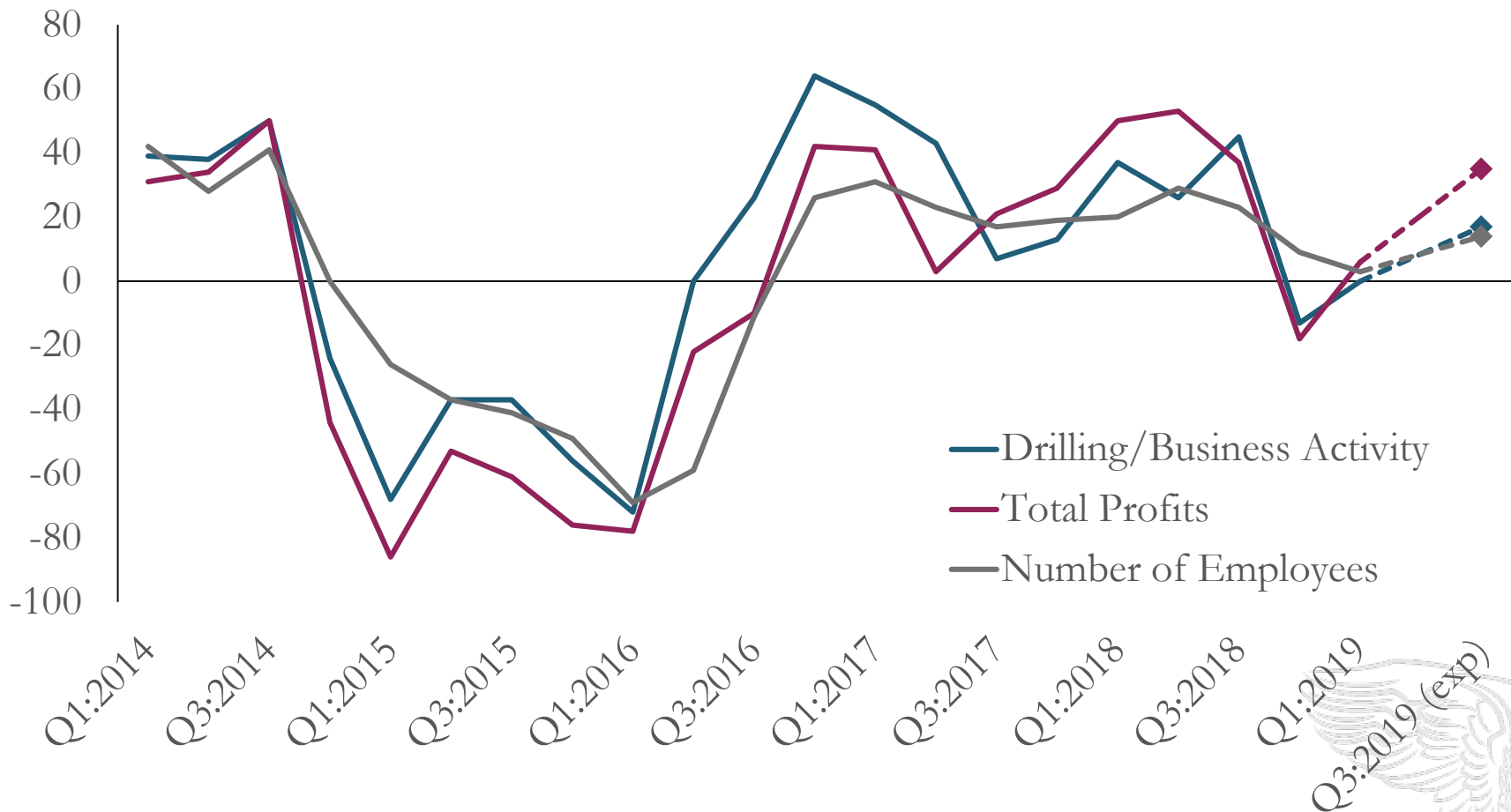
*Dollars per Barrel*



Energy activity is expected to remain fairly steady this year as oil prices have risen above profitable levels.

## ENERGY SURVEY ACTIVITY INDICATORS

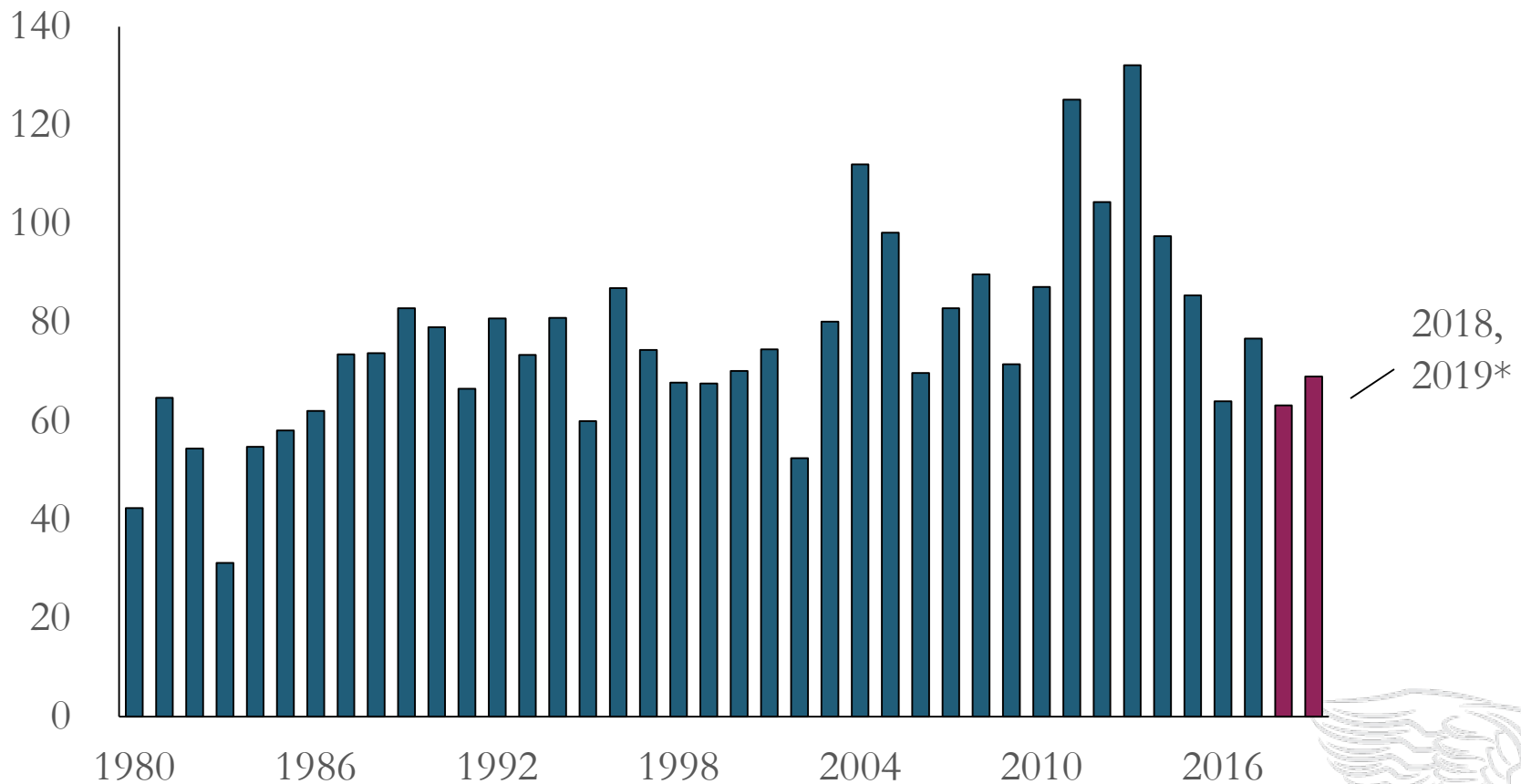
*Quarterly Diffusion Index*



# The agriculture sector continues to struggle as commodity prices remain low.

## U.S. REAL NET FARM INCOME


*Billions, 2018 Dollars*



\*Forecasts for 2018 and 2019

Source: USDA



The image features a large, circular, embossed seal of the Federal Reserve Bank of Denver, Colorado. The seal is set against a light-colored, textured background. The outer ring of the seal contains the text "FEDERAL RESERVE BANK" at the top and "DENVER, COLORADO" at the bottom. In the center of the seal is a shield with a building facade, flanked by olive and oak branches. Above the shield is an eagle with wings spread. The shield is topped with a row of stars.

For additional information on the regional economy:

<http://www.KansasCityFed.org/Denver>

