

THE *Wyoming* ECONOMIC DATABOOK

*A summary of regional economic indicators
for the state of Wyoming*



DECEMBER 24, 2018

FEDERAL RESERVE BANK of KANSAS CITY

SUMMARY OF CURRENT WYOMING ECONOMIC CONDITIONS

In Wyoming, the unemployment rate was 4.1 percent in November, and total payroll employment increased 3.2 percent compared to the previous year. Employment growth was mixed across industries, with the strongest gains in the construction and leisure and hospitality sectors. Wyoming nominal personal income grew 4.5 percent in the third quarter of 2018 compared to the previous year, with workplace earnings up 3.5 percent. Home prices increased 4.4 percent in the third quarter of 2018 compared to the previous year, while single-family and multifamily permits recorded changes of -1.6 and -24.7 percent, respectively, year-to-date through October 2018. In September 2018, crude oil production was up 19.2 percent over last year, and rig counts were above year-ago levels. Wyoming exports were 11.1 percent higher in the third quarter of 2018 compared to the same period in 2017.

This databook provides current economic indicators to help monitor trends and allow comparison of past information. These indicators include: employment; employment by industry; county and state unemployment; personal income; home prices; housing indicators; manufacturing activity; oil, gas and coal production; and exports. These indicators can be found on the following pages.



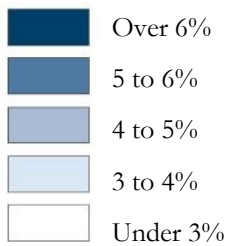
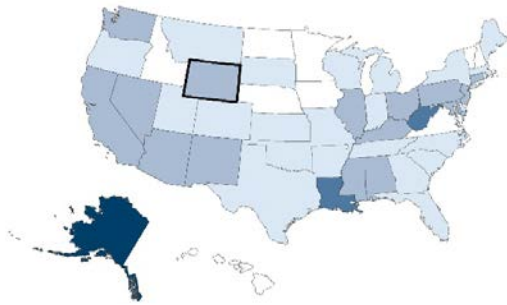
Alison Felix is Vice President and Denver Branch Executive. In this role, Felix is the Federal Reserve Bank of Kansas City's regional economist and lead officer in Colorado, Wyoming and northern New Mexico. She is responsible for briefing the Kansas City Fed's President on the economy in these states and the Tenth District.

Unemployment Rates

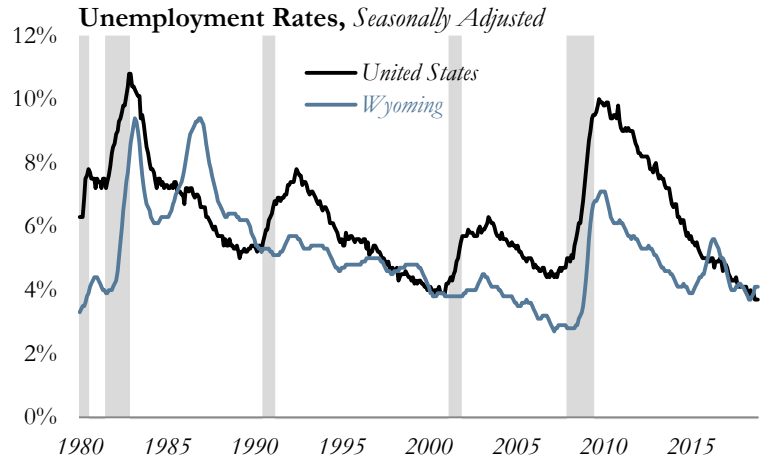
Seasonally Adjusted

November 2018 Unemployment Rates

Seasonally Adjusted



November 2018		
	United States	Wyoming
Unemployment Rate	3.7%	4.1%
Unemployment Rate, Last Year	4.1%	4.2%



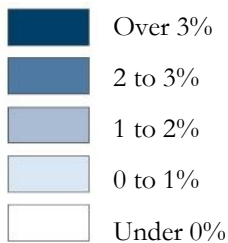
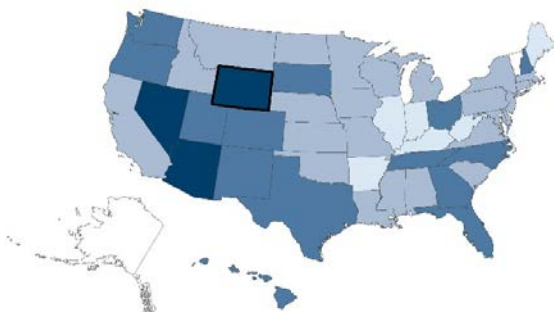
Note: Gray bars indicate recession.

Payroll Employment

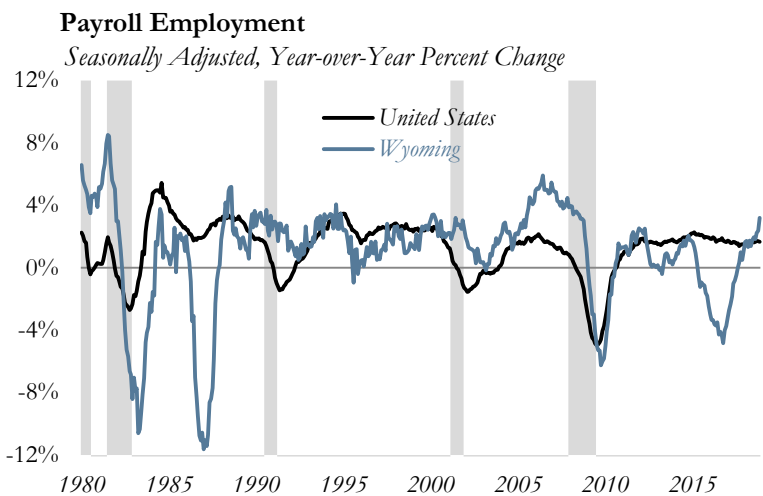
Seasonally Adjusted

November 2018 Payroll Employment

Seasonally Adjusted, Year-over-Year Percent Change



November 2018		
	United States	Wyoming
Jobs (Thousands)	149,893.0	290.9
Change from Last Year	1.7%	3.2%

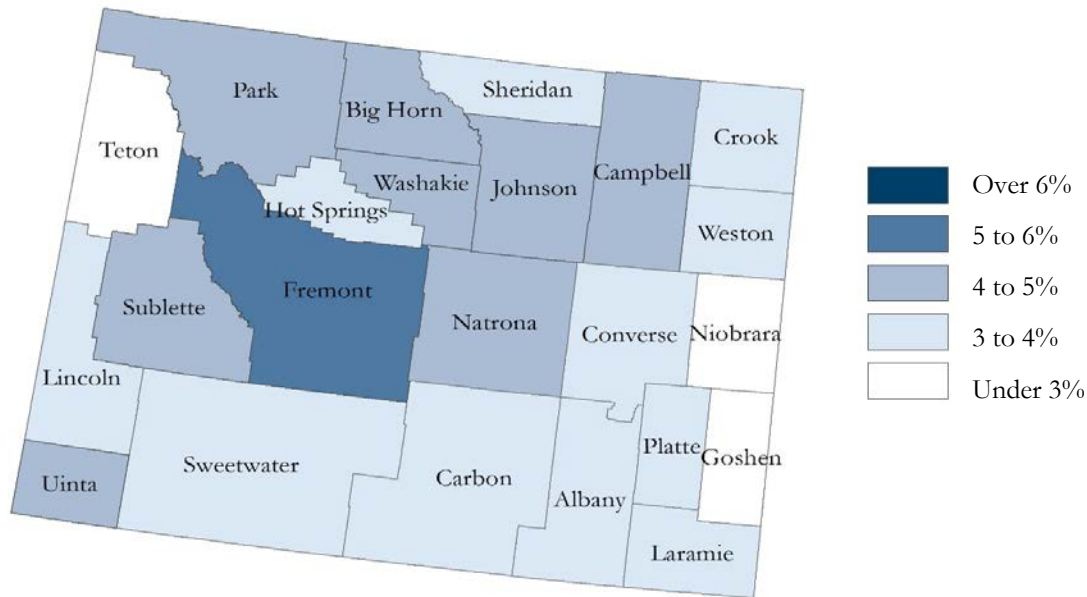


Note: Gray bars indicate recession.

Source: Bureau of Labor Statistics/Haver Analytics

October 2018 Unemployment Rates & Civilian Labor Force

Seasonally Adjusted

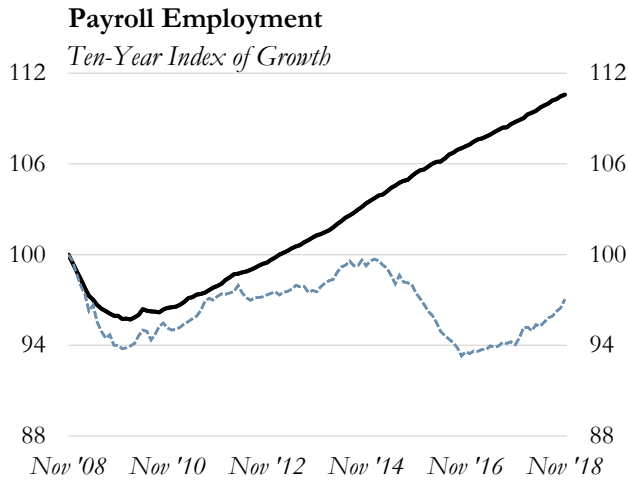


	<i>Percent Unemployed</i>	<i>Labor Force (Thousands)</i>			<i>Percent Unemployed</i>	<i>Labor Force (Thousands)</i>	
United States	3.7%	162,637.0	12	Sheridan	3.8	15.5	
Wyoming	4.1	285.5	13	Laramie	3.8	47.1	
1	Fremont	5.3	18.5	14	Converse	3.7	7.5
2	Natrona	4.8	38.5	15	Lincoln	3.7	8.8
3	Big Horn	4.5	5.2	16	Weston	3.5	3.7
4	Park	4.4	15.3	17	Hot Springs	3.5	2.2
5	Uinta	4.4	9.0	18	Crook	3.4	3.6
6	Johnson	4.4	4.1	19	Platte	3.2	4.6
7	Campbell	4.3	22.9	20	Albany	3.1	20.5
8	Sublette	4.3	4.2	21	Goshen	3.0	6.7
9	Washakie	4.0	4.1	22	Teton	2.8	15.1
10	Sweetwater	4.0	21.0	23	Niobrara	2.8	1.3
11	Carbon	3.9	7.6				

Source: Bureau of Labor Statistics/Haver Analytics

Payroll Employment

Seasonally Adjusted

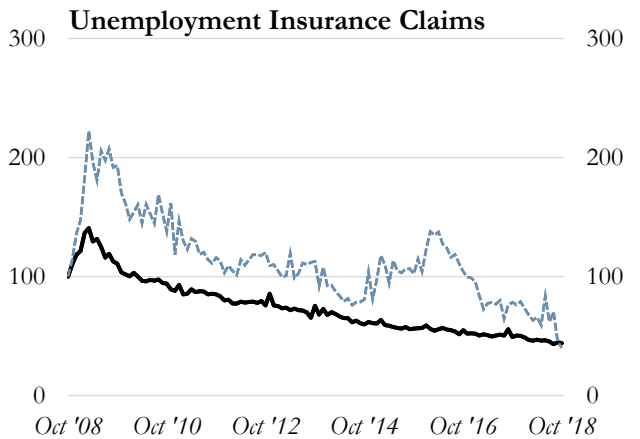
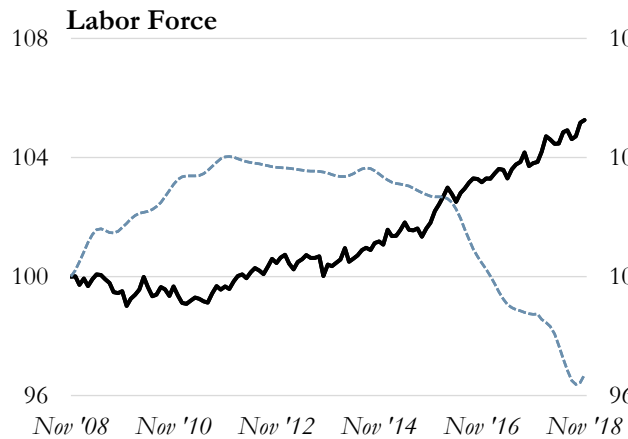
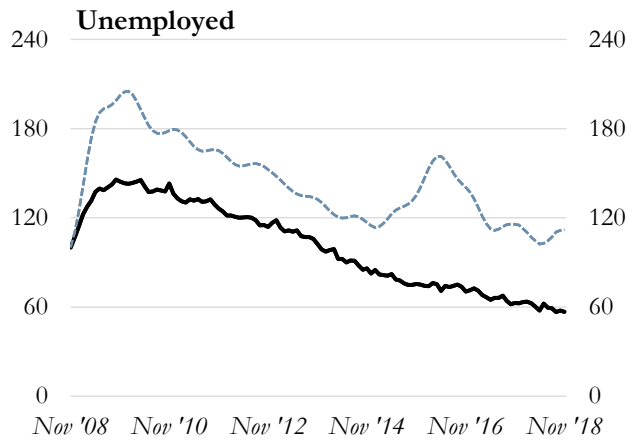
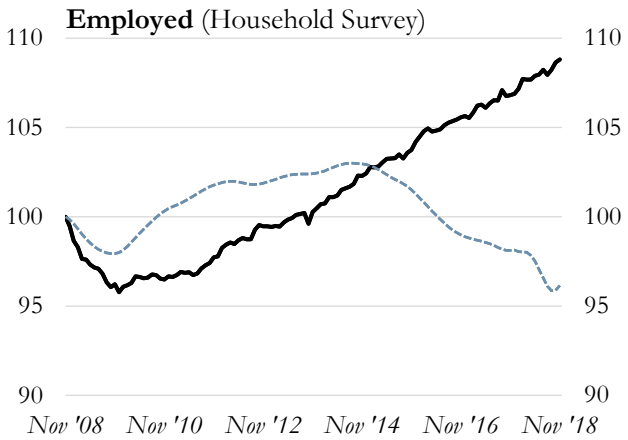


— United States
 - - - Wyoming

November 2018		
	United States	Wyoming
Jobs (Thousands)	149,893.0	290.9
Change from Last Year (Thousands)	2,443.0	9.0
Share of U.S. Employment		0.2%

Labor Force Dynamics

Ten-Year Index of Growth, Seasonally Adjusted

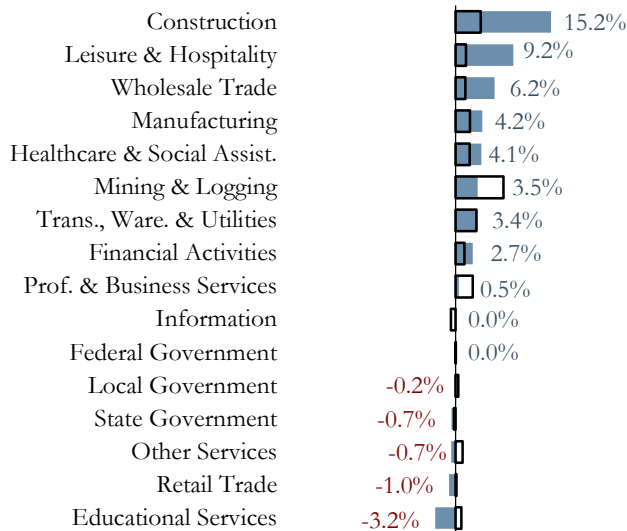


Source: Bureau of Labor Statistics & Department of Labor/Haver Analytics

Payroll Employment by Industry

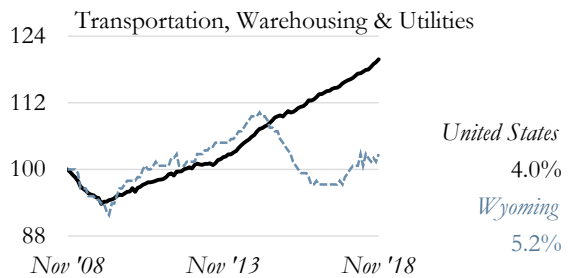
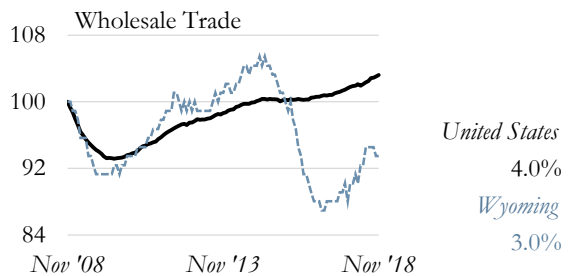
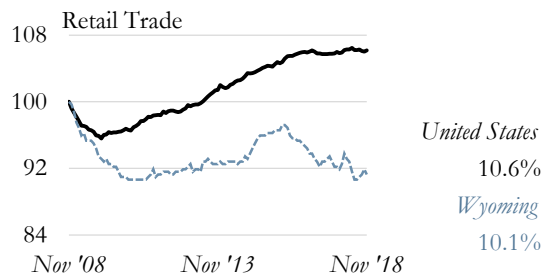
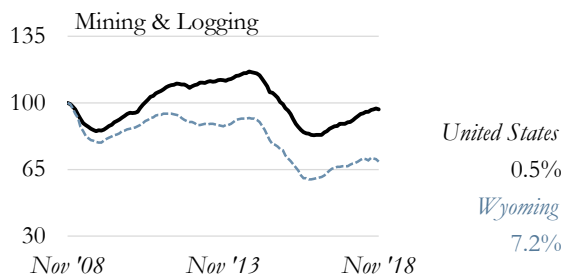
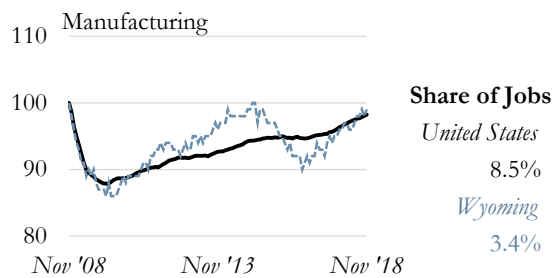
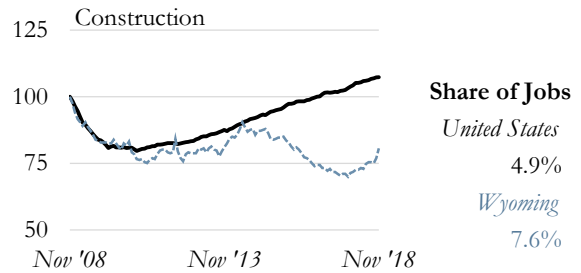
Seasonally Adjusted

November 2018 *Percent Change Year-over-Year*



— United States
 - - - Wyoming

Ten-Year Index of Growth

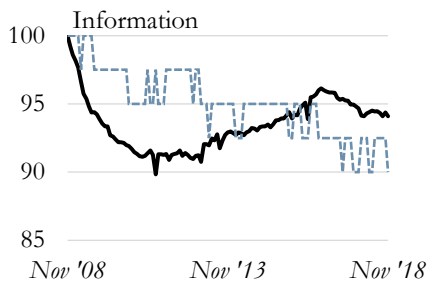


Source: Bureau of Labor Statistics/Haver Analytics

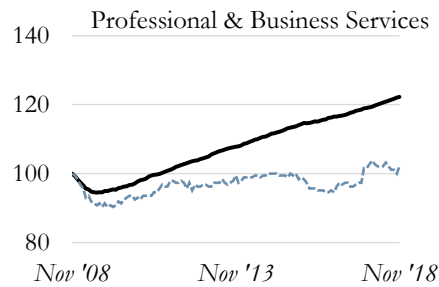
Payroll Employment by Industry

Ten-Year Index of Growth, Seasonally Adjusted

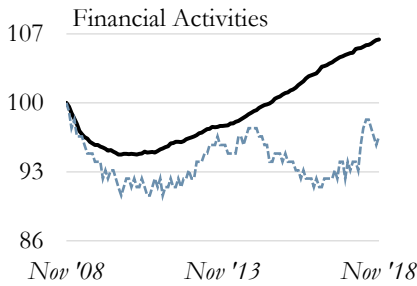
— United States
 - - - Wyoming



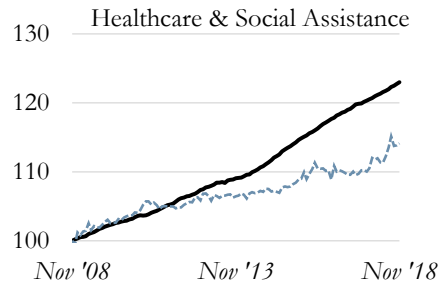
Share of Jobs
 United States
 1.8%
 Wyoming
 1.2%



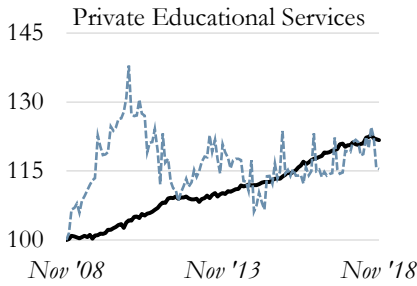
Share of Jobs
 United States
 14.1%
 Wyoming
 6.5%



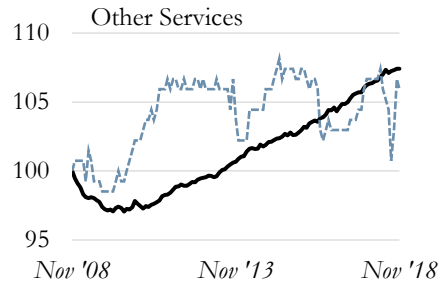
Share of Jobs
 United States
 5.8%
 Wyoming
 3.9%



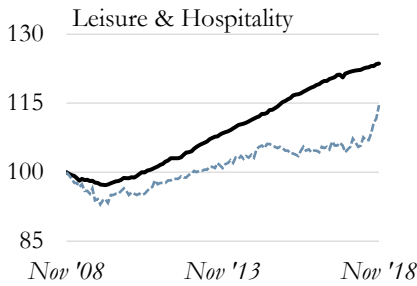
Share of Jobs
 United States
 13.4%
 Wyoming
 8.8%



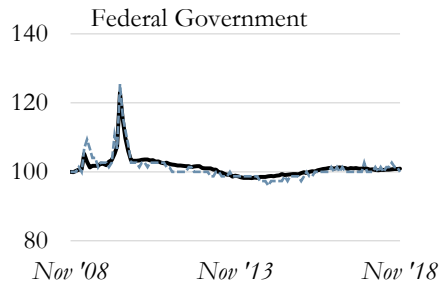
Share of Jobs
 United States
 2.5%
 Wyoming
 1.0%



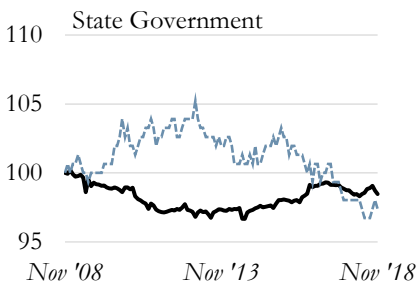
Share of Jobs
 United States
 3.9%
 Wyoming
 4.9%



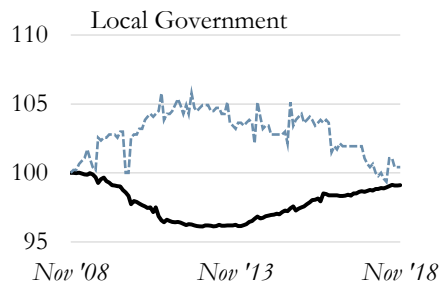
Share of Jobs
 United States
 11.0%
 Wyoming
 13.5%



Share of Jobs
 United States
 1.9%
 Wyoming
 2.6%



Share of Jobs
 United States
 3.4%
 Wyoming
 5.1%

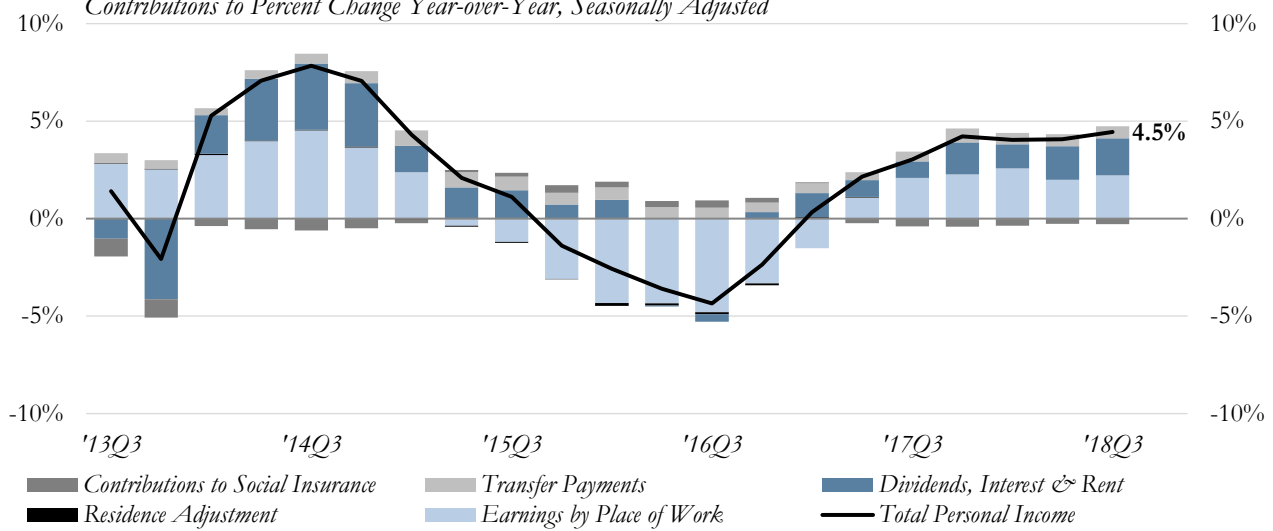


Share of Jobs
 United States
 9.6%
 Wyoming
 16.1%

Source: Bureau of Labor Statistics/Haver Analytics

Wyoming Nominal Personal Income Growth

Contributions to Percent Change Year-over-Year, Seasonally Adjusted

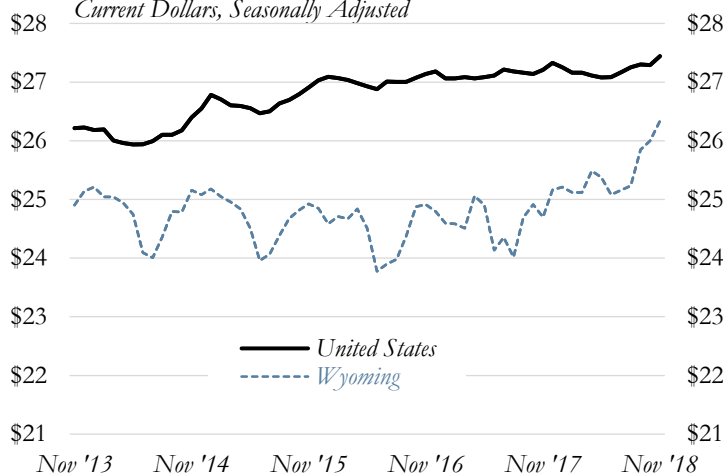


2018Q3	Percent Change Year-over-Year		Share of Personal Income	
	United States	Wyoming	United States	Wyoming
Total Personal Income	4.4%	4.5%		
Earnings by Place of Work	4.1%	3.5%	70.7%	63.0%
Social Insurance Contributions*	-4.6%	-3.6%	-7.7%	-7.8%
Residence Adjustment		1.5%		-0.8%
Dividends, Interest & Rent	5.7%	6.1%	20.1%	31.9%
Transfer Payments	4.2%	4.5%	17.0%	13.7%

*Subtracted from personal income.

Real Average Hourly Wage

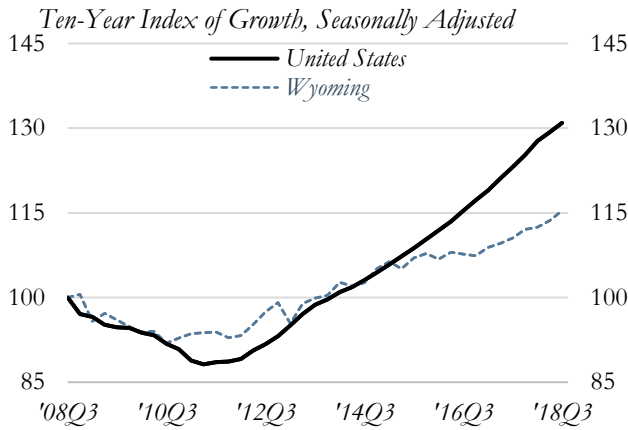
Current Dollars, Seasonally Adjusted



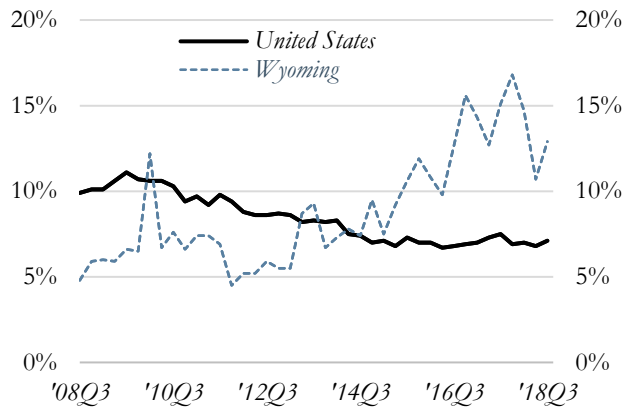
November 2018		
Average	United States	Wyoming
Hourly Wage	\$27.44	\$26.34
<i>Real Change from</i>		
Last Month	0.6%	1.3%
Last Year	0.9%	6.6%

Source: Bureau of Economic Analysis & Bureau of Labor Statistics/Haver Analytics

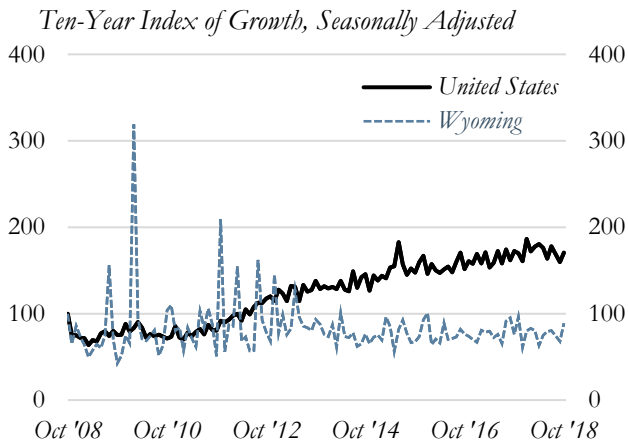
FHFA Purchase-Only Home Price Index



Rental Vacancy Rates



Housing Permits

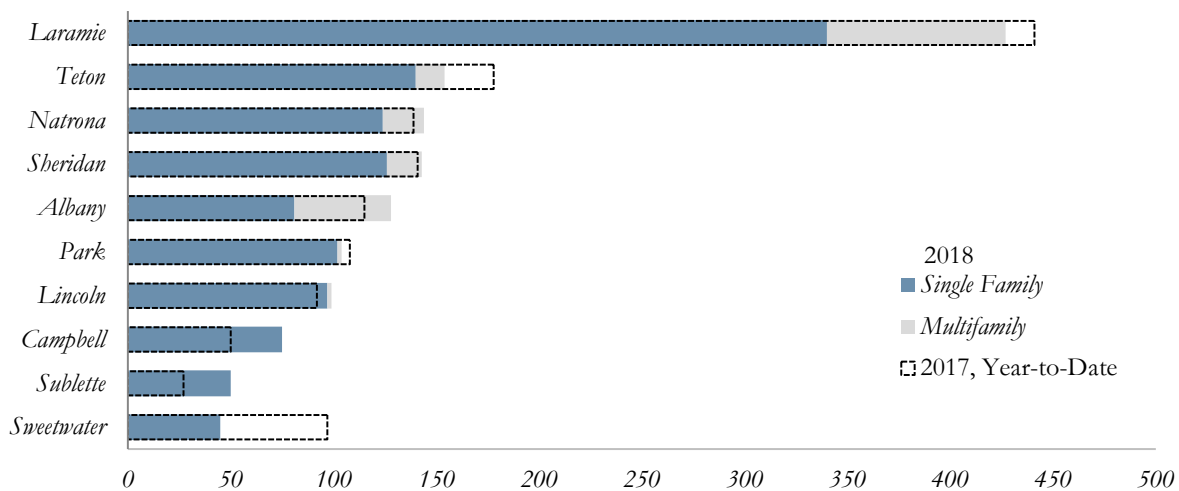


Summary Statistics		
	United States	Wyoming
Prices (2018Q3)*	6.3%	4.4%
Vacancy Rates (2018Q3)	7.1%	12.9%
Permits (Year-to-Date)*		
Single Family	5.7%	-1.6%
Multifamily	2.8%	-24.7%

*Percent change year-over-year.

Top 10 Wyoming Counties for Permit Activity

Year-to-Date through October

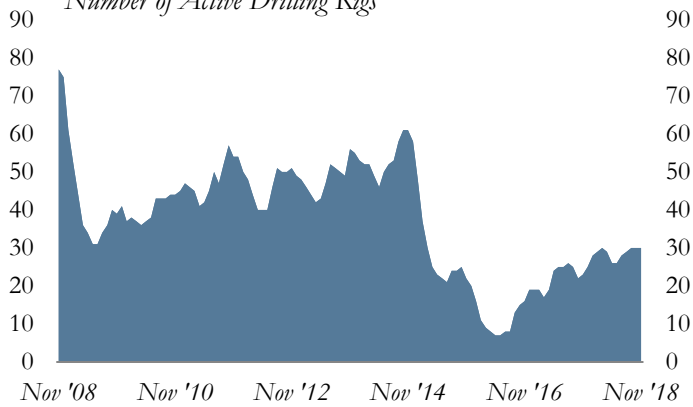


Source: Federal Housing Finance Agency (FHFA) & Census Bureau/Haver Analytics

Wyoming Energy Activity

Oil & Gas Rig Counts

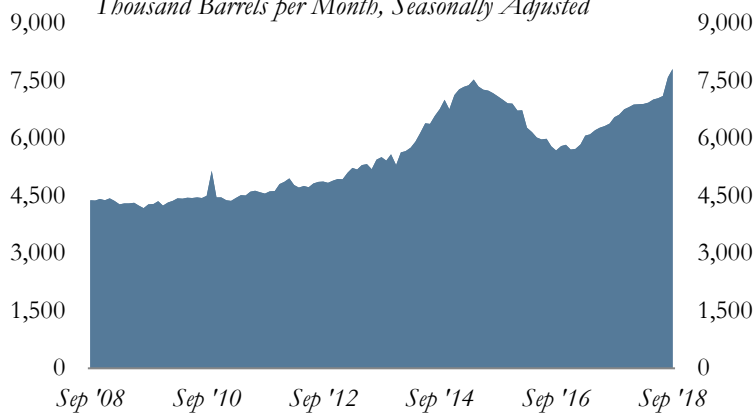
Number of Active Drilling Rigs



November 2018		
	United States	Wyoming
Rig Count	1,077	30
<i>Change from</i>		
Last Month	14	0
Last Year	166	7
Share of U.S. Activity		2.8%

Crude Oil Production

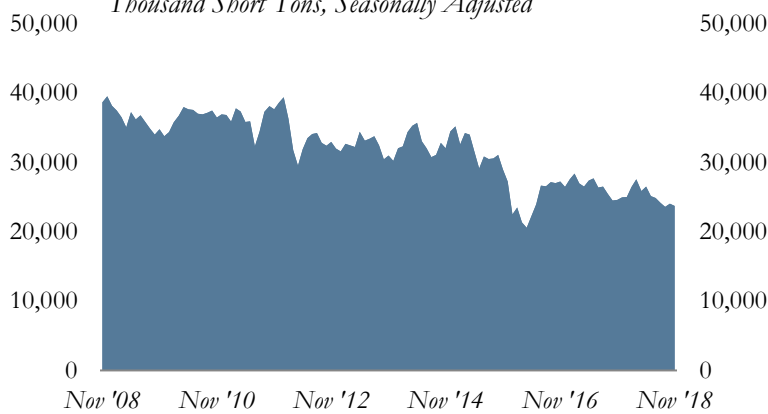
Thousand Barrels per Month, Seasonally Adjusted



September 2018		
	United States	Wyoming
Production	349,912	7,802
<i>Change from</i>		
Last Month	1.1%	2.8%
Last Year	20.9%	19.2%
Share of U.S. Activity		2.2%

Coal Production

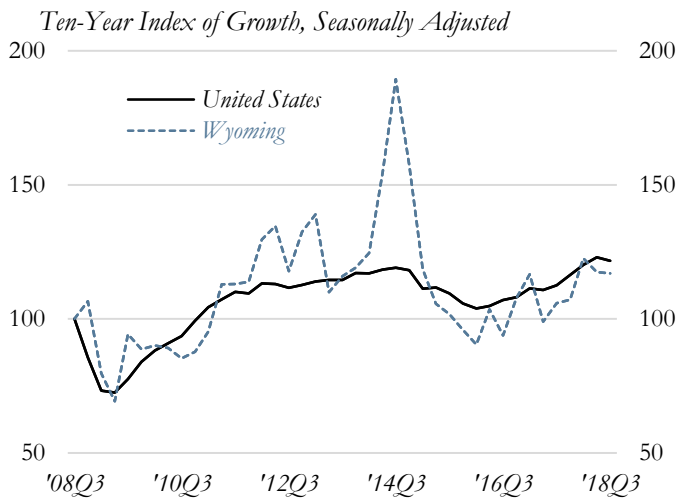
Thousand Short Tons, Seasonally Adjusted



November 2018		
	United States	Wyoming
Production	60,293	23,711
<i>Change from</i>		
Last Month	-0.9%	-1.5%
Last Year	-3.5%	-3.5%
Share of U.S. Activity		39.3%

Source: Baker Hughes & Department of Energy, Energy Information Administration/Haver Analytics

Global Exports

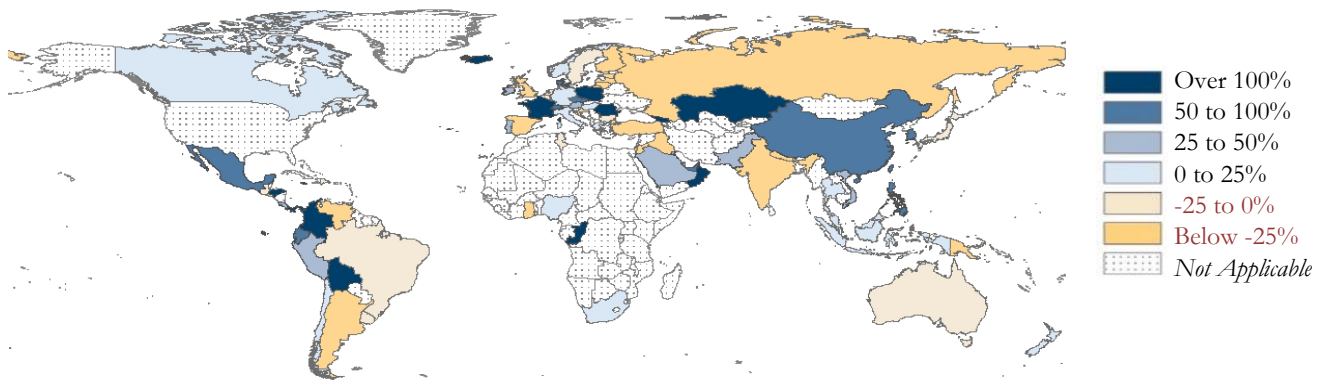


2018Q3		
	United States	Wyoming
Exports (Millions)	\$417,374.4	\$326.7
<i>Change from</i>		
Last Quarter	-1.0%	-0.5%
Last Year (year-to-date)	9.0%	11.1%
Share of U.S. Activity		0.1%

2017		
Exports as a	United States	Wyoming
Percent of GDP	7.9%	3.1%

Wyoming Exports Year-to-Date through 2018Q3

Percent Change Year-over-Year



Top Markets		Share
1	Canada	17.3%
2	Brazil	10.2
3	Indonesia	9.5
4	China*	7.7
5	Chile	5.1
6	Malaysia	5.0
7	South Korea	5.0
8	Vietnam	4.3
9	Japan	4.2
10	Australia	4.0

Top Exports		Share
1	Chemicals & Rare Earth Metals	80.0%
2	Machinery (Except Electrical)	6.6
3	Minerals & Ores	3.3
4	Fabricated Metal Products	1.3
5	Nonmetallic Mineral Products	1.2
6	Transportation Equip.	1.2
7	Electronic Equip. & Appliances	1.1
8	Computers & Electronics	1.1
9	Oil & Gas	1.1
10	Used Merchandise	0.8

*China includes Hong Kong, Taiwan, and Macao.

Source: Census Bureau, WISERTrade & Bureau of Economic Analysis/Haver Analytics

Pages 2 and 3: County unemployment rates typically lag state data releases by one month. Gray bars show recessionary periods as designated by the National Bureau of Economic Research. The "official" and most commonly reported unemployment rate is calculated as the number of unemployed workers divided by the total civilian labor force. These data are reported from the Bureau of Labor Statistics Current Population Survey, or commonly called the "Household" survey.

Page 2 and 4: Nonfarm employment data from the Bureau of Labor Statistics Current Employment Survey are commonly called "Payroll" employment data. Estimates from this survey are revised throughout the year and a major revision or "benchmark" of the data occurs in March of each year. "Payroll" and "Household" surveys are released monthly, providing the most current estimates of employment published by the Bureau of Labor Statistics. Because methodologies differ between surveys, employment estimates also differ. For more information, visit:

http://www.bls.gov/web/emp/sit/ces_eps_trends.pdf

Initial claims show monthly applications for initial claims for state unemployment insurance benefits.

Pages 5 and 6: Payroll employment by industry is shown for each of the major two-digit North American Industrial Classification System industries.

Page 7: Personal income provides a measure of all income received by residents of a given geographic area. Data shown are in nominal terms (not adjusted for inflation). Transfer payments include social benefits such as unemployment insurance, Social Security, and Medicaid. Contributions to social insurance are subtracted from personal income. These contributions include taxes paid by businesses and employees that support social insurance programs such as unemployment insurance, Social Security, and Medicaid. The residence adjustment adds income received outside of a recipient's state of residence and makes a corresponding subtraction from the area where this income was earned or received. Real average hourly wages are calculated as total earnings divided by total employment for a given geographic area. Data are adjusted for inflation using the consumer price index for all urban areas (CPI-U) and are indexed to the most current month of data.

Page 8: Home price indices estimate regional growth in home values based on repeat sales data for detached single family residential properties. Monthly single and multifamily housing permits data are not revised and therefore may not sum to published year-end totals.

Page 9: The active rig count is the number of rigs actively exploring for or developing oil or natural gas. Rig counts provide an indicator of new drilling activity and potential for expanded crude oil or natural gas production. Coal production is shown as production during a given month.

Page 10: Exports measure the total physical movement of a given product from the United States to a foreign country.

Data Revisions

Most data are revised periodically to correct for errors and incorporate additional information as it becomes available. Data shown in this report are subject to change.

Seasonal Adjustments

Most data are seasonally adjusted to remove variance caused by seasonal fluctuations in economic activity. Data in this report show the seasonal adjustments of data publishers where available. In other cases, Census X-12 adjustments were applied.

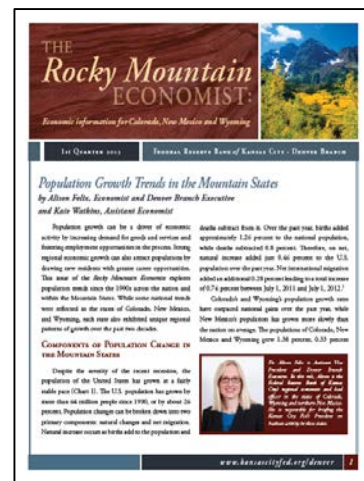
Regional Economic Analysis

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