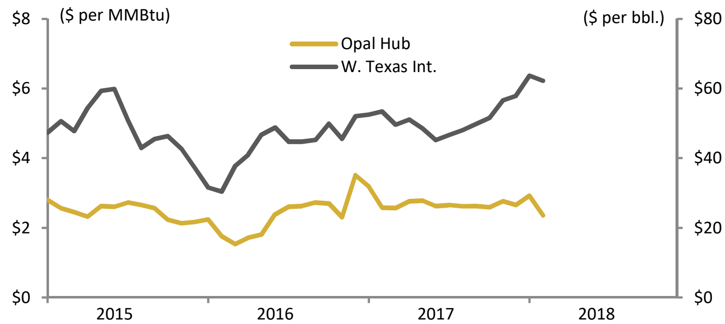
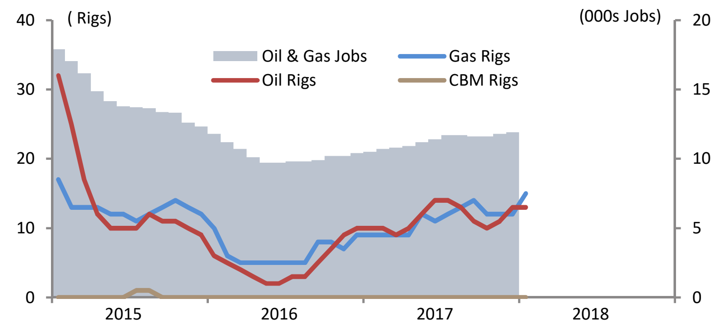
Wyoming Insight

WYOGOV

ECONOMIC ANALYSIS DIVISION • FEBRUARY 2018

Energy index: natural gas and crude oil prices, rig counts, and oil & gas employment.[1,3,8]



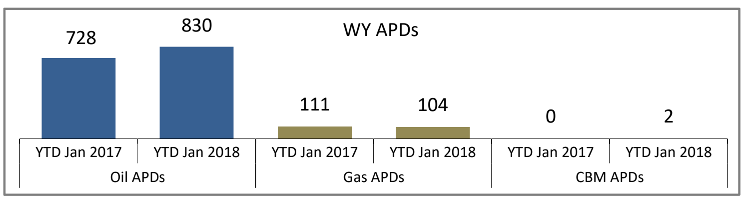


The Opal Hub natural gas price averaged $2.36 per MMBtu in February, a decrease of 19.2% compared to January and $0.22 per MMBtu lower than a year ago. WTI crude oil price decreased by 2.3% in February (compared to January) but was $8.80 per bbl. higher in a year-over-year comparison.

Oil & gas jobs numbered 11,900 in December, 1,500 more when compared to a year ago. Active oil rigs were 13 in January while the conventional gas rig count was 15. *Note: Oil & gas jobs includes both the NAICS 211 (oil and gas extraction) and NAICS 213 (support activities for mining) subsectors.*

NATURAL GAS	[$/MMBtu]		
Historical Spot Prices [1]	**Dec 2017**	**Jan 2018**	**Feb 2018 TD**
Opal Hub	$2.65	$2.92	$2.36
Cheyenne Hub	$2.60	$3.05	$2.33
Henry Hub	$2.78	$3.16	$2.66
Futures [2] (As of 02.27.18)	**Apr 2018**	**May 2018**	**Jun 2018**
NYMEX - Henry Hub	$2.69	$2.72	$2.75
Jan 2018 CREG [5]	**CY 2017**	**CY 2018-20**	**CY 2021-22**
CREG - All Gas ($ per Mcf)	$3.00	$3.10-$3.15	$3.25

RIGS & APDs*[3]	Nov 17/16	Dec 17/16	Jan 18/17
Oil Rigs	11/9	13/10	13/10
Conventional Gas Rigs	12/7	12/9	15/9
Oil APDs	1,376/807	2,029/877	830/728
Conventional Gas APDs	107/10	34/21	104/111



**Active conventional drilling rigs and applications for permits to drill (APDs).*

CRUDE OIL	[$/bbl.]		
Historical Spot Prices [1]	**Dec 2017**	**Jan 2018**	**Feb 2018 TD**
WY Sour	$44.59	$44.57	$43.10
WY Sweet	$54.68	$61.04	$59.57
W.Texas Int.	$57.94	$63.67	$62.20
Futures [2] (As of 02.27.18)	**Apr 2018**	**May 2018**	**Jun 2018**
NYMEX - WTI	$62.84	$62.74	$62.45
Jan 2018 CREG [5]	**CY 2017**	**CY 2018-20**	**CY 2021-22**
CREG - All Oil	$45.00	$50.00-$50.00	$50.00-$50.00
Differential $/bbl. [3]	**Dec 2017**	**Jan 2018**	**Feb 2018 TD**
WY Sour vs. WTI	($13.35)	($19.10)	($19.10)
WY Sweet vs. WTI	($3.26)	($2.63)	($2.63)

COAL - PRB*	[$/ton]		
Historical Spot Prices [1]	**Dec 2017**	**Jan 2018**	**Feb 2018 TD**
PRB* 8800 Btu	$12.10	$12.22	$12.27
Jan 2018 CREG [5]	**CY 2017**	**CY 2018-20**	**CY 2021-22**
CREG Surface Coal	$12.75	$12.50-$12.75	$12.50
WY Coal Production [11]	**Nov 17/16**	**Dec 17/16**	**Jan 18/17**
Millions of Tons	27.2/28.6	26.7/27.0	25.8/27.9

**Powder River Basin*

Business indicators: cost of living, unemployment rates, per capita and quarterly personal income, and ag price index.

COST OF LIVING	2Q-2016	4Q-2016	2Q-2017
Wyoming[6]	-0.6%	0.6%	1.1%
U.S. CPI[8]	1.0%	2.1%	1.6%

Cost of living measured as the percent change from the preceding year.

JOBLESS RATES[8]	Oct 2017	Nov 2017	Dec 2017
Wyoming - Seasonally Adj.	4.2%	4.3%	4.2%
U.S. - Seasonally Adj.	4.1%	4.1%	4.1%

PERSONAL INCOME[9]	Wyoming	Rocky Mtn	U.S.
Year 2016 - Per Capita	$55,116	$46,749	$49,246

Revised personal income estimates released on September 28, 2017.

QUARTERLY PI[9]	1Q-2017	2Q-2017	3Q-2017
Wyoming	1.7%	0.9%	0.4%
Rocky Mountain Region	1.7%	0.8%	0.6%
U.S.	1.4%	0.6%	0.7%

Personal income measured as the percent change from the preceding quarter.

AG PRICE INDEX[12]	Oct 17/16	Nov 17/16	Dec 17/16
U.S. - All Production	87/81	91/83	92/88
U.S. - Crop Production	82/79	81/81	84/81
U.S. - Livestock Production	94/82	102/86	100/95

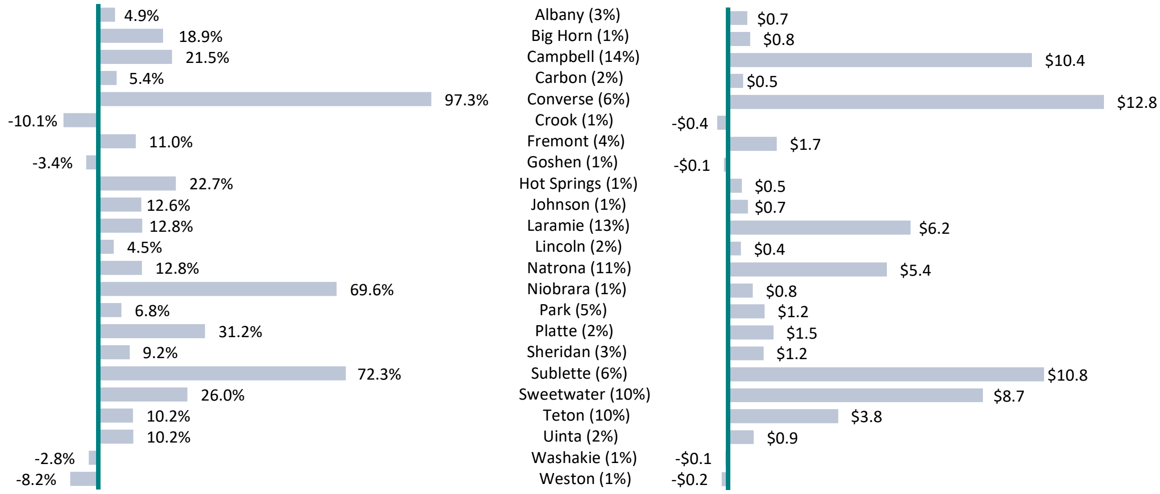
Prices received indexes; 2011 base.

Energy benchmarks: for fiscal and calendar years to date.

SPOT PRICES [As of February 27, 2018]	FY 2018 TD	CY 2018 TD
Opal Hub ($/MMBtu)	$2.65	$2.57
Cheyenne Hub ($/MMBtu)	$2.69	$2.73
Henry Hub ($/MMBtu)	$2.93	$2.93
W. Texas Int. ($/bbl.)	$54.39	$62.99
Powder River Coal ($/ton)	$11.84	$12.24
Uranium ($/lb.)[4]	$21.23	$21.88

Data sources: [1]Bloomberg, [2]NYMEX, [3]WY Oil & Gas Conservation Commission, [4]Ux Consult. Co., [5]January 2018 CREG Forecast, [6]WY Dept. of Admin. & Info.'s Economic Analysis Division, [7]WY Dept. of Revenue, [8]U.S. Bureau of Labor Statistics, [9]U.S. Bureau of Economic Analysis, [10]U.S. Bureau of Census, [11]Energy Information Administration, and [12]USDA's National Agricultural Statistics Service.

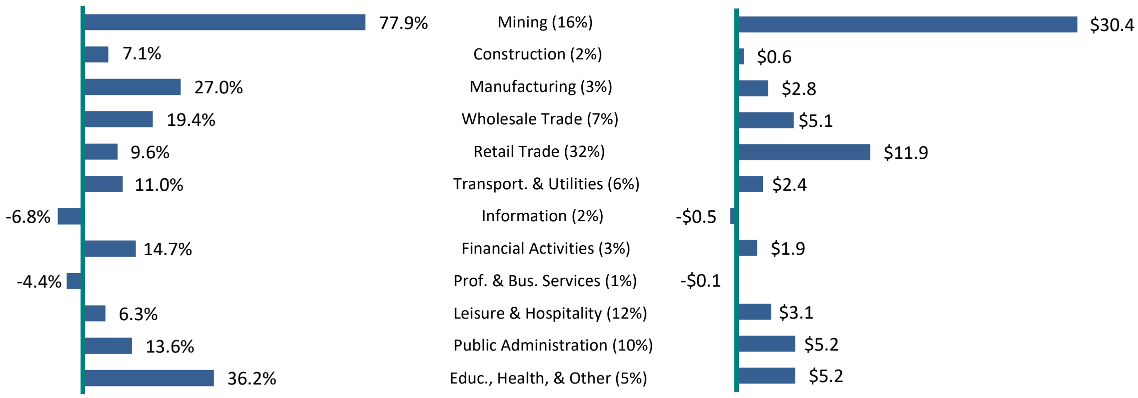
State & local shares of 4% sales and use tax collections.[7] [Growth by County: cumulative change, fiscal-year-to-date, over the year]



⏩ After seven months of fiscal 2018 (July 1, 2017 through January 31, 2018), sales and use tax collections reached $424.5 million, leading fiscal 2017 by $68.1 million or 19.1 percent. Converse, Sublette, and Campbell counties outpaced the rest of the state in dollars collected. Collections for Converse and Niobrara counties grew the fastest among all 23 counties compared to a year ago.

Note: Value in parentheses represents share of total collections.

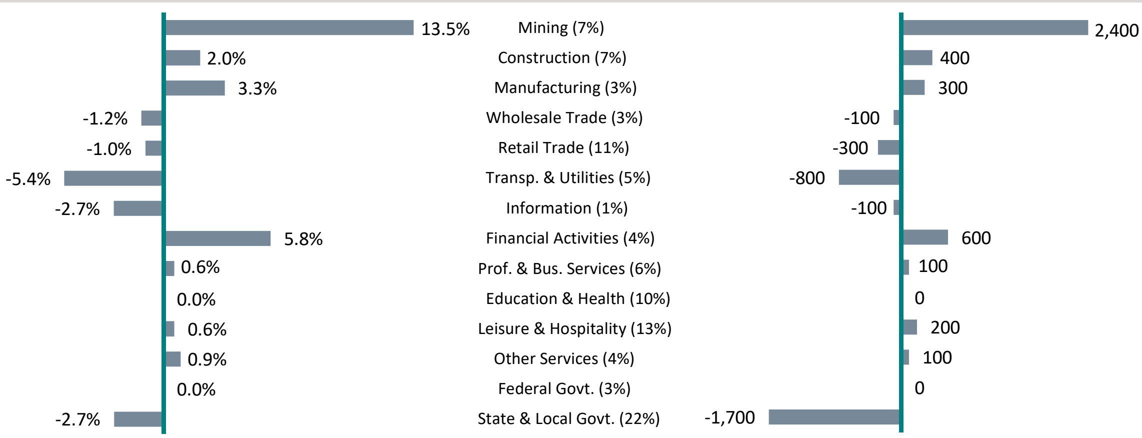
State & local shares of 4% sales and use tax collections.[7] [Growth by Industry Sector: cumulative change, fiscal-year-to-date, over the year]



⏩ The mining sector (+$30.4 million) accounted for the largest year-to-date gain from an industry perspective. Information and professional & business services were the only sectors that were lagging in collections in a year ago comparison.

Note: Value in parentheses represents share of total collections.

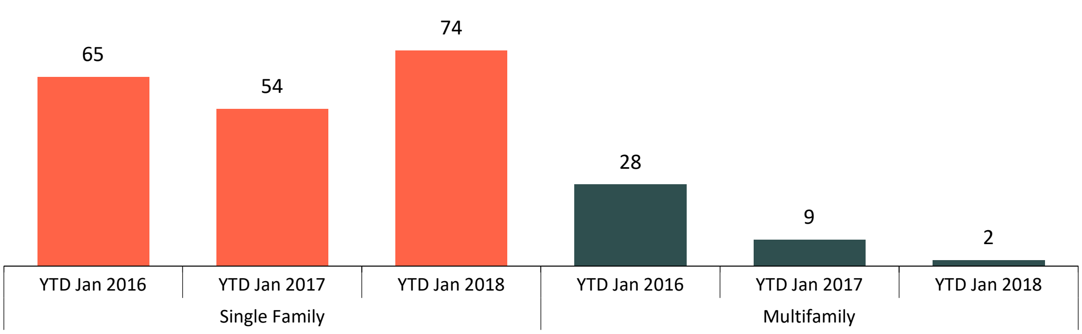
Nonfarm wage and salary employment.[8] [Growth by Industry Sector: Year-over-year by percent and jobs; seasonally adjusted]



⏩ Overall, Wyoming had 1,100 more jobs in December compared to a year ago, an increase of 0.4 percent. Industries associated with goods production added 3,100 jobs, while service-providing jobs declined by 2,000, both in comparison to a year ago. The private sector increased by 2,800 jobs while government jobs decreased by 1,700 from a year ago.

Note: Value in parentheses represents share of total jobs.

Residential building permits.[10] [Comparisons: Single family and multifamily units]



⏩ The number of single family housing units permitted through the end of January 2018 were running ahead of the 2017 pace by 37.0 percent or 20 units. The number of multifamily units declined by 77.8 percent or 7 units during the same period compared to 2017.

♦ CONTACT: Jim Robinson, Principal Economist, Economic Analysis Division, Dept. of Admin. & Info., WY State Government.
♦ QUESTIONS? Phone: 307.777.7221 E-mail: jim.robinson@wyo.gov Website: http://ai.wyo.gov/economic-analysis