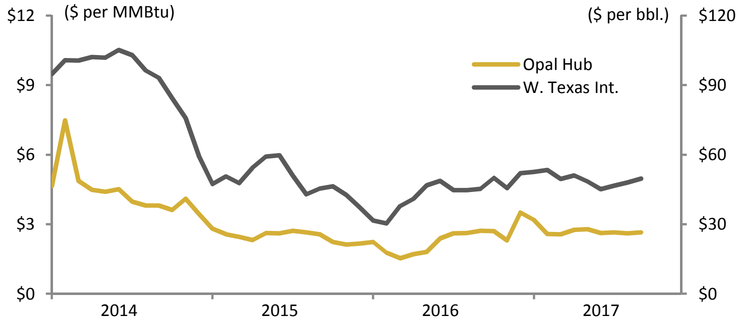
Wyoming Insight

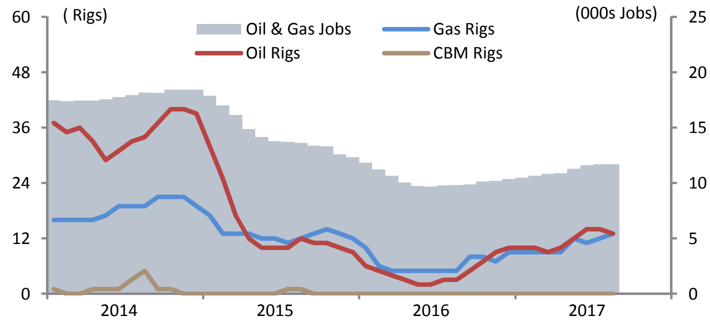
WYOGOV

ECONOMIC ANALYSIS DIVISION • SEPTEMBER 2017

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



The Opal Hub natural gas price averaged $2.65 per MMBtu in September, an increase of 1.5% compared to August but $0.07 per MMBtu lower than a year ago. WTI crude oil price increased by 3.5% in September (compared to August) and was $4.52 per bbl. higher in a year-over-year comparison.

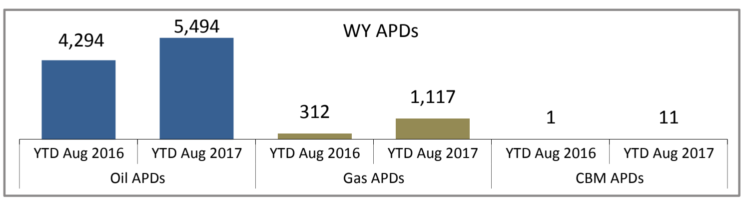


Oil & gas jobs numbered 11,700 in August, 1,900 more when compared to a year ago. Active oil rigs were 13 in August while the conventional gas rig count was also 13. *Note: Oil & gas jobs includes both the NAICS 211 (oil and gas extraction) and NAICS 213 (support activities for mining) subsectors.*

NATURAL GAS	[$/MMBtu]		
Historical Spot Prices [1]	**Jul 2017**	**Aug 2017**	**Sep 2017 TD**
Opal Hub	$2.65	$2.61	$2.65
Cheyenne Hub	$2.64	$2.56	$2.62
Henry Hub	$2.96	$2.88	$2.97
Futures [2] (As of 09.28.17)	**Nov 2017**	**Dec 2017**	**Jan 2018**
NYMEX - Henry Hub	$3.02	$3.19	$3.30
Jan 2017 CREG [5]	**CY 2016**	**CY 2017-18**	**CY 2019-22**
CREG - All Gas ($ per Mcf)	$2.50	$3.00-$3.10	$3.10-$3.25

CRUDE OIL	[$/bbl.]		
Historical Spot Prices [1]	**Jul 2017**	**Aug 2017**	**Sep 2017 TD**
WY Sour	$37.84	$39.69	$41.38
WY Sweet	$43.10	$44.63	$46.32
W.Texas Int.	$46.65	$48.03	$49.72
Futures [2] (As of 09.28.17)	**Nov 2017**	**Dec 2017**	**Jan 2018**
NYMEX - WTI	$51.60	$51.92	$52.15
Jan 2017 CREG [5]	**CY 2016**	**CY 2017-18**	**CY 2019-22**
CREG - All Oil	$36.00	$45.00	$50.00
Differential $/bbl. [3]	**Jul 2017**	**Aug 2017**	**Sep 2017 TD**
WY Sour vs. WTI	($8.81)	($8.34)	($8.34)
WY Sweet vs. WTI	($3.55)	($3.40)	($3.40)

RIGS & APDs*[3]	Jun 17/16	Jul 17/16	Aug 17/16
Oil Rigs	14/2	14/3	13/3
Conventional Gas Rigs	11/5	12/5	13/5
Oil APDs	491/481	746/568	810/789
Conventional Gas APDs	471/7	211/17	211/17



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

COAL - PRB*	[$/ton]		
Historical Spot Prices [1]	**Jul 2017**	**Aug 2017**	**Sep 2017 TD**
PRB* 8800 Btu	$11.52	$11.50	$11.53
Jan 2017 CREG [5]	**CY 2016**	**CY 2017-18**	**CY 2019-22**
CREG Surface Coal	$13.25	$13.25	$13.25
WY Coal Production [11]	**Jun 17/16**	**Jul 17/16**	**Aug 17/16**
Millions of Tons	26.5/22.1	28.8/27.7	31.9/30.6

*Powder River Basin

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

COST OF LIVING	4Q-2015	2Q-2016	4Q-2016
Wyoming[6]	0.5%	-0.6%	0.6%
U.S. CPI[8]	0.7%	1.0%	2.1%

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

JOBLESS RATES[8]	Jun 2017	Jul 2017	Aug 2017
Wyoming - Seasonally Adj.	3.9%	4.0%	4.0%
U.S. - Seasonally Adj.	4.4%	4.3%	4.4%

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]	4Q-2016	1Q-2017	2Q-2017
Wyoming	-0.4%	1.8%	0.6%
Rocky Mountain Region	0.1%	1.8%	0.8%
U.S.	0.0%	1.4%	0.7%

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

AG PRICE INDEX[12]	May 17/16	Jun 17/16	Jul 17/16
U.S. - All Production	98/94	98/94	95/91
U.S. - Crop Production	88/89	87/88	86/85
U.S. - Livestock Production	107/98	107/98	104/96

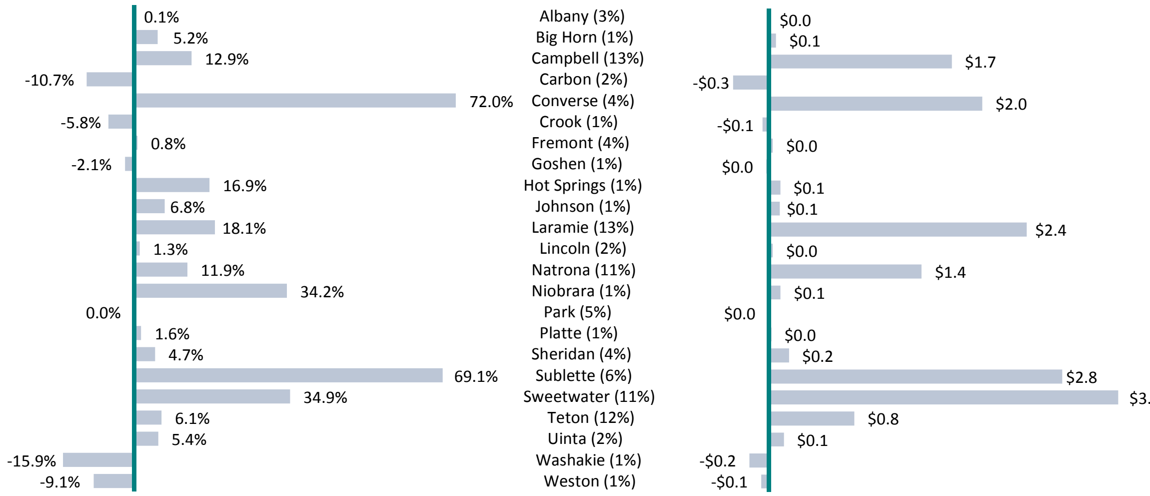
Prices received indexes; 2011 base.

Energy benchmarks: for fiscal and calendar years to date.

SPOT PRICES [As of September 28, 2017]		FY 2018 TD	CY 2017 TD
Opal Hub ($/MMBtu)	....	$2.64	$2.71
Cheyenne Hub ($/MMBtu)	....	$2.61	$2.67
Henry Hub ($/MMBtu)	....	$2.93	$2.99
W. Texas Int. ($/bbl.)	....	$48.10	$49.30
Powder River Coal ($/ton)	....	$11.52	$11.53
Uranium ($/lb.)[4]	....	$20.25	$21.57

Data sources: [1]Bloomberg, [2]NYMEX, [3]WY Oil & Gas Conservation Commission, [4]Ux Consult. Co., [5]January 2017 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.

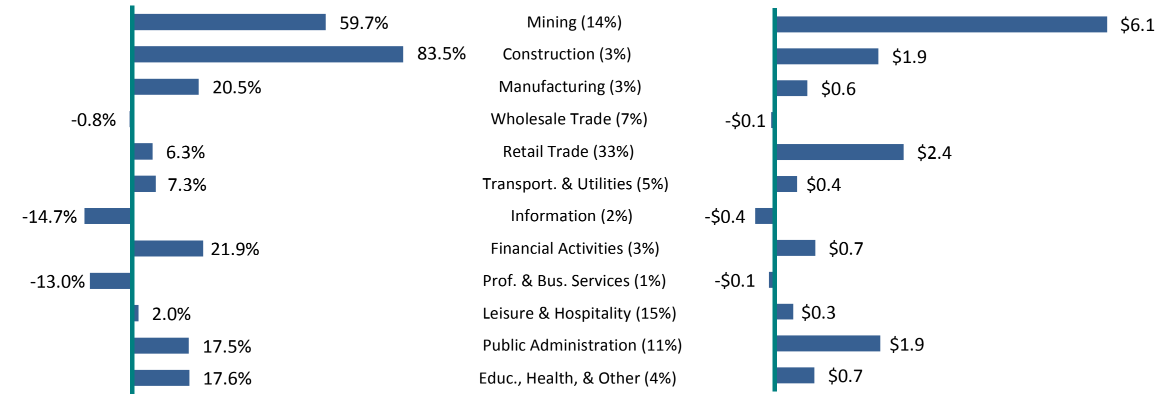
State & local shares of 4% sales and use tax collections.[7] [Growth by County: cumulative change, fiscal-year-to-date, over the year]



⏩ After two months of fiscal 2018 (July 1, 2017 through August 31, 2017), sales and use tax collections were leading fiscal 2017 by $14.6 million or 13.8 percent. Sweetwater, Sublette, and Laramie counties outpaced the rest of the state in dollars collected. Collections for Converse and Sublette counties grew the fastest among all 23 counties compared to a year ago.

Note: Value in parentheses represents share of total collections.

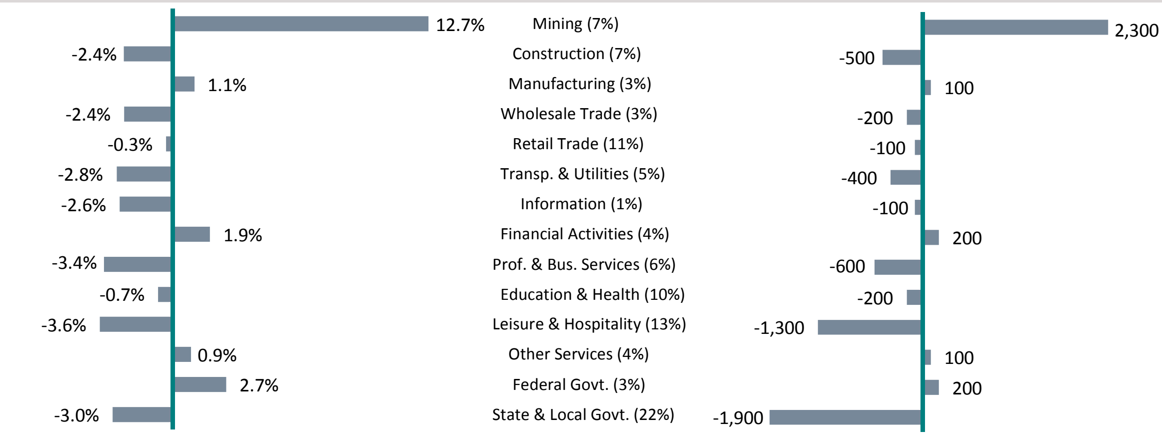
State & local shares of 4% sales and use tax collections.[7] [Growth by Industry Sector: cumulative change, fiscal-year-to-date, over the year]



⏩ The mining sector (+$6.1 million) accounted for the largest year-to-date gain from an industry perspective. Information, wholesale trade, 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.

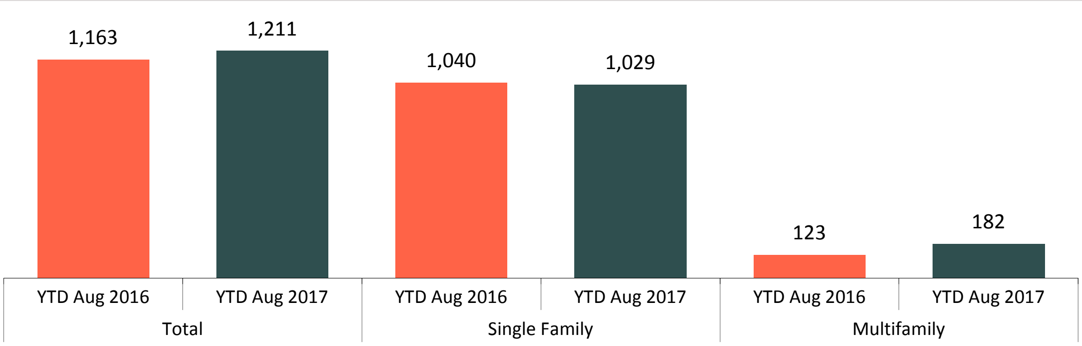
Nonfarm wage and salary employment.[8] [Growth by Industry Sector: Year-over-year by percent and jobs; seasonally adjusted]



⏩ Overall, Wyoming had 2,400 fewer jobs in August compared to a year ago, a decline of 0.9 percent. Industries associated with goods production added 1,900 jobs, while service-providing jobs declined by 4,300, both in comparison to a year ago. The private sector decreased at a 0.3 percent rate, resulting in a reduction of 700 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: Year-to-date total, single family, and multifamily units]



⏩ The number of total housing units permitted through the end of August 2017 were running slightly ahead the 2016 pace. Single family units were lagging last year's pace by 1.1 percent. The number of multifamily units increased by 48.0 percent or 59 units during the same period compared to 2016.