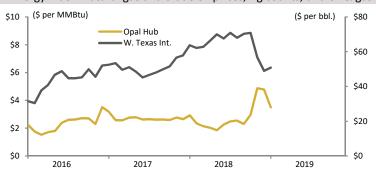
Wyoming Insight

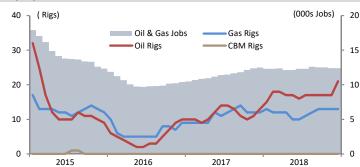


ECONOMIC ANALYSIS DIVISION • JANUARY 2019

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



→ The Opal Hub natural gas price averaged \$3.50 per MMBtu in January, a decrease of 26.6% compared to December but \$0.58 per MMBtu higher than a year ago. WTI crude oil price increased by 3.8% in January (compared to December) but was \$12.86 per bbl. lower in a year-over-year comparison.



▶ Oil & gas jobs numbered 12,400 in December, 100 fewer when compared to a year ago. Active oil rigs were 21 in December while the conventional gas rig count was 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	Nov 2018	Dec 2018	Jan 2019 TD
Opal Hub	\$4.87	\$4.77	\$3.50
Cheyenne Hub	\$3.84	\$3.58	\$2.79
Henry Hub	\$4.12	\$4.07	\$3.10
Futures ² (As of 01.24.19)	Mar 2019	Apr 2019	May 2019
NYMEX - Henry Hub	\$2.99	\$2.83	\$2.82
Jan 2019 CREG ⁵	CY 2018	CY 2019-20	CY 2021-24
CREG - All Gas (\$ per Mcf)	\$3.00	\$2.90	\$2.90
RIGS & APDs*3	Oct 18/17	Nov 18/17	Dec 18/17
Oil Rigs	17/10	17/11	21/13
Conventional Gas Rigs	13/12	13/12	13/12
Oil APDs	1,797/1,253	2,447/1,377	4,009/2,030
Conventional Gas APDs	42/98	47/107	63/34
18,113	WY APDs		

Γ		18,113	WY	APDs		
	11,112					
			1,412	744	20	4
	YTD Dec 2017	YTD Dec 2018	YTD Dec 2017	YTD Dec 2018	YTD Dec 2017	YTD Dec 2018
L	Oil /	APDs	Gas APDs		СВМ	APDs

40-2017

\$49,265

20-2017

CRUDE OIL		[\$/bbl.]	
Historical Spot Prices 1	Nov 2018	Dec 2018	Jan 2019 TD
WY Sour	\$18.03	\$14.37	\$16.23
WY Sweet	\$46.82	\$41.14	\$43.00
W.Texas Int.	\$56.67	\$48.95	\$50.81
Futures ² (As of 01.24.19)	Mar 2019	Apr 2019	May 2019
NYMEX - WTI	\$53.17	\$53.43	\$53.76
Jan 2019 CREG ⁵	CY 2018	CY 2019-20	CY 2021-24
CREG - All Oil	\$60.00	\$60.00	\$55.00-\$60.00
Differential \$/bbl. ³	Nov 2018	Dec 2018	Jan 2019 TD
WY Sour vs. WTI	(\$38.64)	(\$34.58)	(\$34.58)
WY Sweet vs. WTI	(\$9.85)	(\$7.81)	(\$7.81)
COAL - PRB*		[\$/ton]	
Historical Spot Prices ¹	Nov 2018	Dec 2018	Jan 2019 TD
PRB* 8800 Btu	\$12.00	\$11.96	\$12.07
Jan 2019 CREG ⁵	CY 2018	CY 2019-20	CY 2021-24
CREG Surface Coal	\$12.50	\$12.50	\$12.50
WY Coal Production 11	Oct 18/17	Nov 18/17	Dec 18/17
Millions of Tons	26.2/26.7	25.0/25.9	25.2/25.4
*Powder River Basin			

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

20-2018

\$51,640

Wyoming ⁶ U.S. CPI ⁸	1.1%	2.3%	3.3% 2.9%	
Cost of living measured as the pe	1.6% rcent change from	2.1% the preceding year		
JOBLESS RATES ⁸	Oct 2018	Nov 2018	Dec 2018	
Wyoming - Seasonally Adj.	4.1%	4.1%	4.1%	
U.S Seasonally Adj.	3.7%	3.7%	3.9%	
PERSONAL INCOME9	Wyoming	Rocky Mtn	U.S.	

Revised personal income estimates released on September 25, 2018.

QUARTERLY PI ⁹	1Q-2018	2Q-2018	3Q-2018
Wyoming	6.1%	2.7%	3.3%
Rocky Mountain Region	7.0%	4.2%	4.7%
U.S.	5.2%	3.4%	4.0%

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

AG PRICE INDEX ¹²	Aug 18/17	Sep 18/17	Oct 18/17
U.S All Production	90/94	88/93	85/88
U.S Crop Production	90/89	88/90	80/83
U.S Livestock Production	89/99	88/95	91/94
Prices received indexes: 2011 he	700		

▶ Energy benchmarks: for fiscal and calendar years to date.

\$57,346

SPOT PRICES [As of January 2	4, 2019]	FY 2019 TD	CY 2019 TD
Opal Hub (\$/MMBtu)		\$3.28	\$3.50
Cheyenne Hub (\$/MMBtu)		\$2.87	\$2.79
Henry Hub (\$/MMBtu)		\$3.33	\$3.10
W. Texas Int. (\$/bbl.)		\$62.99	\$50.81
Powder River Coal (\$/ton)		\$12.26	\$12.07
Uranium (\$/lb.) ⁴ · · ·		\$27.65	\$28.80

Data sources: ¹Bloomberg, ²NYMEX, ³WY Oil & Gas Conservation Commission, ⁴Ux Consult. Co., ⁵January 2019 CREG Forecast, ⁶WY Dept. of Admin. & Info.'s Economic Analysis Division, ⁷WY Dept. of Revenue, ⁸U.S. Bureau of Labor Statistics, ⁹U.S. Bureau of Economic Analysis, ¹⁰U.S. Bureau of Census, ¹¹Energy Information Administration, and ¹²USDA's National Agricultural Statistics Service.



COST OF LIVING

Year 2017 - Per Capita

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

Wyoming Insight

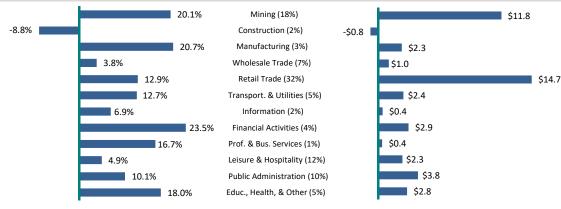
▶ State & local shares of 4% sales and use tax collections. [Growth by County: cumulative change, fiscal-year-to-date, over the year]



→ After the first six months of fiscal 2019 (July 1, 2018 through December 31, 2018), sales and use tax collections reached \$403.1 million, leading fiscal 2018 by \$44.1 million or 12.3 percent. Converse and Campbell counties outpaced the rest of the state in dollars collected. Collections for Converse, Weston, and Platte counties grew the fastest among all 23 counties compared to a year ago.

Note: Value in parentheses represents share of total collections.

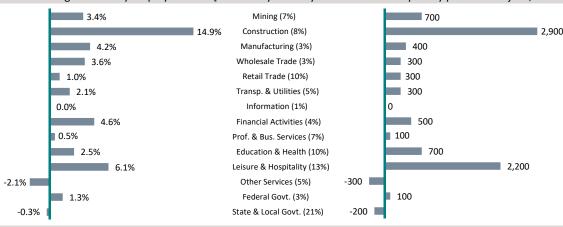
▶ State & local shares of 4% sales and use tax collections. [Growth by Industry Sector: cumulative change, fiscal-year-to-date, over the year]



➤ The retail trade sector (+\$14.7 million) accounted for the largest year-to-date gain from an industry perspective. The construction sector was the only industry that was 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]



▶ Wyoming had 291,300 jobs in December 2018, 8,000 more compared to a year ago, an increase of 2.8 percent. Industries associated with goods production added 4,000 jobs, while service-providing jobs increased by 4,000, both in comparison to a year ago. The private sector increased by 8,100 jobs while government jobs decreased by 100 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 October 2018 were lagging the 2017 pace by 1.6 percent or 21 units. The number of multifamily units declined by 24.7 percent or 62 units during the same period compared to 2017.

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