

Wyoming Growing and Declining Industries Report

First Quarter 2020

Prepared by: Sherry Wen, Principal Economist and Michael Moore, Editor
Research & Planning, Wyoming Department of Workforce Services

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Wyoming Department of Workforce Services

Robin Sessions Cooley, Director

Research & Planning

Tony Glover, Manager

Carola Cowan, Bureau of Labor Statistics Programs Supervisor

Prepared by:

Michael Moore, Editor

Sherry Wen, Principal Economist

Editorial Committee:

David Bullard, Matthew Halama,

Aubrey Kofoed, Chris McGrath, and Michael Moore

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Research & Planning

P.O. Box 2760

Casper, WY 82602

Phone: (307) 473-3807

Fax: (307) 473-3834

R&P Website: <https://doe.state.wy.us/LMI/>

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Who We Are

Research & Planning (R&P) functions as an exclusively statistical entity within the Wyoming Department of Workforce Services. R&P collects, analyzes, and publishes timely and accurate labor market information (LMI) meeting established statistical standards. We work to make the labor market more efficient by providing the public and the public’s representatives with the information needed for evidence-based, informed decision making.



Wyoming Growing and Declining Industries Report

by: *Michael Moore, Editor, and Sherry Wen, Principal Economist*

A growing or declining industry is defined as an industry's employment level increasing or decreasing for two quarters by 5% or more over the year. For example, all industries that grew or declined in employment by at least 5% from 2018Q4 to 2019Q4 and subsequently from 2019Q1 to 2020Q1 were included in the respective lists in this report.

Industries are defined by the North American Industry Classification System (NAICS). For this research, growing and declining industries are determined at the three-digit subsector level. For more information on NAICS, please see <http://www.census.gov/epcd/www/naics.html>.

The database used to generate this information was the Quarterly Census of Employment and Wages (QCEW) file, which has roughly a half-year time lag from the distribution of this report. Every quarter, when new QCEW data become available, growing and declining industry information is updated. Only subsector employment sizes of 100 or more are included in these lists. Consequently, while employment in other industries may meet the growth criteria, this growth is taking place in industries with employment of less than 100.

Growing and Declining Industries

Historical growing and declining industry data for Wyoming are now available online at https://doe.state.wy.us/LMI/G_DInd/G_D_Industries.htm.

For example, on the growing industry report (see Table 1, page 4), average monthly employment for plastics & rubber products manufacturing (NAICS 326) grew by 12.6% (39 jobs) over the year in 2020Q1 and 11.0% (33 jobs) over the year in 2019Q4, thus qualifying as a growing industry for 2020Q1. The average growth rate for 2019Q4 and 2020Q1 for NAICS 326 was 11.8%.

The declining industry report (see Table 2, page 5) reads the same way, except with negative changes, and therefore, declining industries.

The average weekly wage is calculated by dividing the total wage for the industry group by the total number of jobs for the industry group and number of weeks in the observed quarter. On the growing industry report, the average weekly wage for plastics & rubber products manufacturing (NAICS 326) was \$765.

Table 1: Growing Industries Report for Wyoming, First Quarter 2020

Subsector ^a (3-Digit NAICS ^b)	Sector (2-Digit NAICS)	Employment (Current Quarter)				Employment (Prior Quarter)				Growing Industries	
		2020Q1	2019Q1	N	%	2019Q4	2018Q4	N	%	Avg. % Change ^c	Avg. Weekly Wage ^d
Plastics & rubber products manufacturing (326)	Manufacturing (31-33)	348	309	39	12.6	334	301	33	11.0	11.8	\$765
Support activities for transportation (488)	Transportation & Warehousing (48-49)	1,720	1,502	218	14.5	1,617	1,490	127	8.5	11.5	\$1,102
Couriers & messengers (492)	Transportation & Warehousing (48-49)	1,157	1,053	104	9.9	1,192	1,106	86	7.8	8.8	\$818
Nonstore retailers (454)	Retail Trade (44-45)	632	600	32	5.3	650	602	48	8.0	6.7	\$881
Total	Total	3,856	3,463	393	11.3	3,792	3,498	294	8.4	9.9	\$950

^aIncludes both public and privately owned firms.

^bNorth American Industry Classification System.

^cThe percentage for average change is the employment-weighted average percentage change of the current and prior quarters (employment change current quarter + employment change prior quarter) divided by the employment for the current and prior quarters (employment current quarter + employment prior quarter).

^dThe average weekly wage is calculated by dividing the total wage for the industry group by the total number of jobs for the industry group and the number of weeks in the observed quarter. Please be aware that average weekly wages at the industry group level are susceptible to wage bias due to sample size, occupational distributions, seasonal pay and bonuses, and keying error.

The average weekly wage for all growing industries in 2020Q1 was \$950.

Source: Quarterly Census of Employment and Wages.

Prepared by S. Wen and M. Moore, Research & Planning, WY DWS, 9/25/20.

Table 2: Declining Industries Report for Wyoming, First Quarter 2020

Subsector ^a (3-Digit NAICS ^b)	Sector (2-Digit NAICS)	Employment (Current Quarter)				Employment (Prior Quarter)				Declining Industries	
		2020Q1	2019Q1	N	%	2019Q4	2018Q4	N	%	Avg. % Change ^c	Avg. Weekly Wage ^d
Crop production (111)	Agriculture, forestry, fishing & hunting (11)	450	488	-38	-7.8	525	648	-123	-19.0	-13.4	\$583
Agriculture & forestry support activities (115)	Agriculture, forestry, fishing & hunting (11)	223	236	-13	-5.5	244	286	-42	-14.7	-10.1	\$755
Oil & gas extraction (211)	Mining (21)	2,852	3,036	-184	-6.1	2,869	3,068	-199	-6.5	-6.3	\$2,577
Food manufacturing (311)	Manufacturing (31-33)	587	739	-152	-20.6	796	1,005	-209	-20.8	-20.7	\$724
Miscellaneous manufacturing (339)	Manufacturing (31-33)	132	149	-17	-11.4	138	153	-15	-9.8	-10.6	\$682
Electronic markets & agents & brokers (425)	Wholesale Trade (42)	116	138	-22	-15.9	125	147	-22	-15.0	-15.5	\$1,610
Miscellaneous store retailers (453)	Retail Trade (44-45)	1,426	1,537	-111	-7.2	1,493	1,576	-83	-5.3	-6.2	\$454
Air transportation (481)	Transportation & Warehousing (48-49)	351	561	-210	-37.4	327	487	-160	-32.9	-35.1	\$858
Broadcasting, except Internet (515)	Information (51)	360	384	-24	-6.3	370	402	-32	-8.0	-7.1	\$722
ISPs, search portals, & data processing (518)	Information (51)	140	202	-62	-30.7	189	202	-13	-6.4	-18.6	\$1,166
Rental & leasing services (532)	Real Estate & Rental & Leasing (53)	1,776	1,906	-130	-6.8	1,845	1,953	-108	-5.5	-6.2	\$1,096
Private households (814)	Other services, Except Public Admin. (81)	322	360	-38	-10.6	336	376	-40	-10.6	-10.6	\$569
Total	Total	3,856	3,463	393	11.3	3,792	3,498	294	8.4	9.9	\$950

^aIncludes both public and privately owned firms.

^bNorth American Industry Classification System.

^cThe percentage for average change is the employment-weighted average percentage change of the current and prior quarters (employment change current quarter + employment change prior quarter) divided by the employment for the current and prior quarters (employment current quarter + employment prior quarter).

^dThe average weekly wage is calculated by dividing the total wage for the industry group by the total number of jobs for the industry group and the number of weeks in the observed quarter. Please be aware that average weekly wages at the industry group level are susceptible to wage bias due to sample size, occupational distributions, seasonal pay and bonuses, and keying error.

The average weekly wage for all growing industries in 2020Q1 was \$950.

Source: Quarterly Census of Employment and Wages.

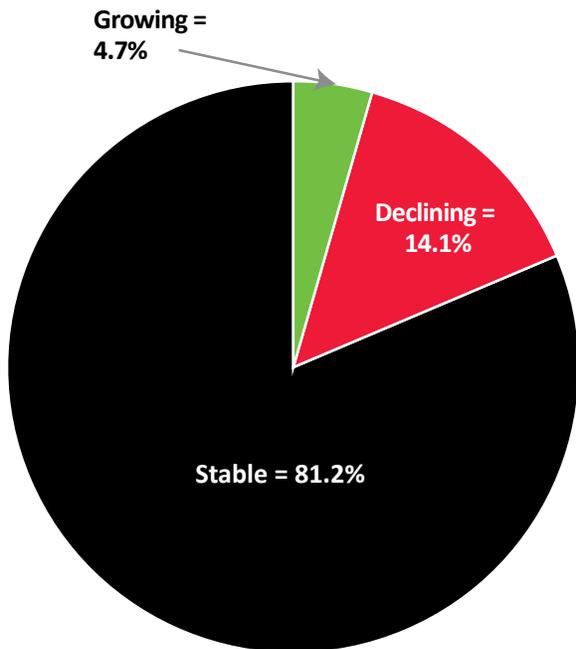
Prepared by S. Wen and M. Moore, Research & Planning, WY DWS, 9/25/20.

Table 3: Distribution of Sectors and Employment by Growing/Declining Status in Wyoming, 2020Q1

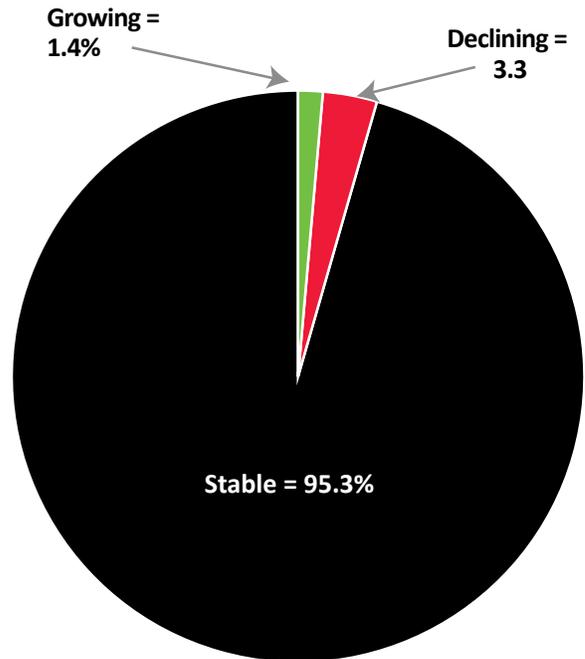
Status	Subsectors (3-Digit NAICS)		Employment		Average Weekly Wage
	N	%	N	%	
Growing	4	4.7	3,857	1.4	\$950
Declining	12	14.1	8,735	3.3	\$1,372
Stable	69	81.2	256,127	95.3	\$940
Total	85	100.0	268,719	100.0	\$954

Source: Quarterly Census of Employment and Wages.
 Prepared by S. Wen and M. Moore, Research & Planning, WY DWS, 9/25/20.

Distribution of Subsectors (3-Digit NAICS^a)



Distribution of Employment



^aNorth American Industry Classification System.
 Source: Quarterly Census of Employment and Wages.
 Prepared by S. Wen and M. Moore, Research & Planning, WY DWS, 9/25/20.

Figure 1: Distribution of Growing and Declining Industries (NAICS 3-Digit Subsector) in Wyoming, 2020Q1