

Wyoming Growing and Declining Industries Report

Second Quarter 2021

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Research & Planning, Wyoming Department of Workforce Services

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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, 2021Q2

by: *Michael Moore, Editor*

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 2020Q1 to 2021Q1 and subsequently from 2020Q2 to 2021Q2 were included in the respective tables 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. Growing and declining industry information is updated very quarter when new QCEW data become available. Only subsectors with employment sizes of 100 or more are included in these lists. Consequently, while employment in other industries may meet the growth criteria, that growth is taking place in industries with employment of less than 100.

For example, on the growing industries table (see Table 1, page 5), the average monthly employment for food manufacturing (NAICS 311) grew by 37.8% (197 jobs) over the year in 2021Q2 and 30.0% (175 jobs) in 2021Q1, thus qualifying as a growing industry for 2021Q2. The average growth rate for 2021Q1 and 2021Q2 for NAICS 311 was

Growing and Declining Industries

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

33.9%. Other growing industries included ISPs, search portals, & data processing (15.5%), couriers & messengers (14.5%), and administrative & support services (10.1%).

Overall, Wyoming had nine growing industries in 2021Q2, which accounted for 10.6% of all industries and 6.9% of total employment (see Table 3 and Figure 2, page 9).

The declining industry table (see Table 2, page 6) reads the same way, except with negative changes, and therefore, declining industries. There were nine declining industries in 2021Q1, which made up 10.6% of all industries and 12.0% of the state's total employment. Declining industries included support activities for mining (-29.7% average change), heavy & civil engineering construction (-26.0%), oil & gas extraction (-20.8%), petroleum & coal products manufacturing (-11.7%), and merchant wholesalers, durable goods (-11.3%), among others.

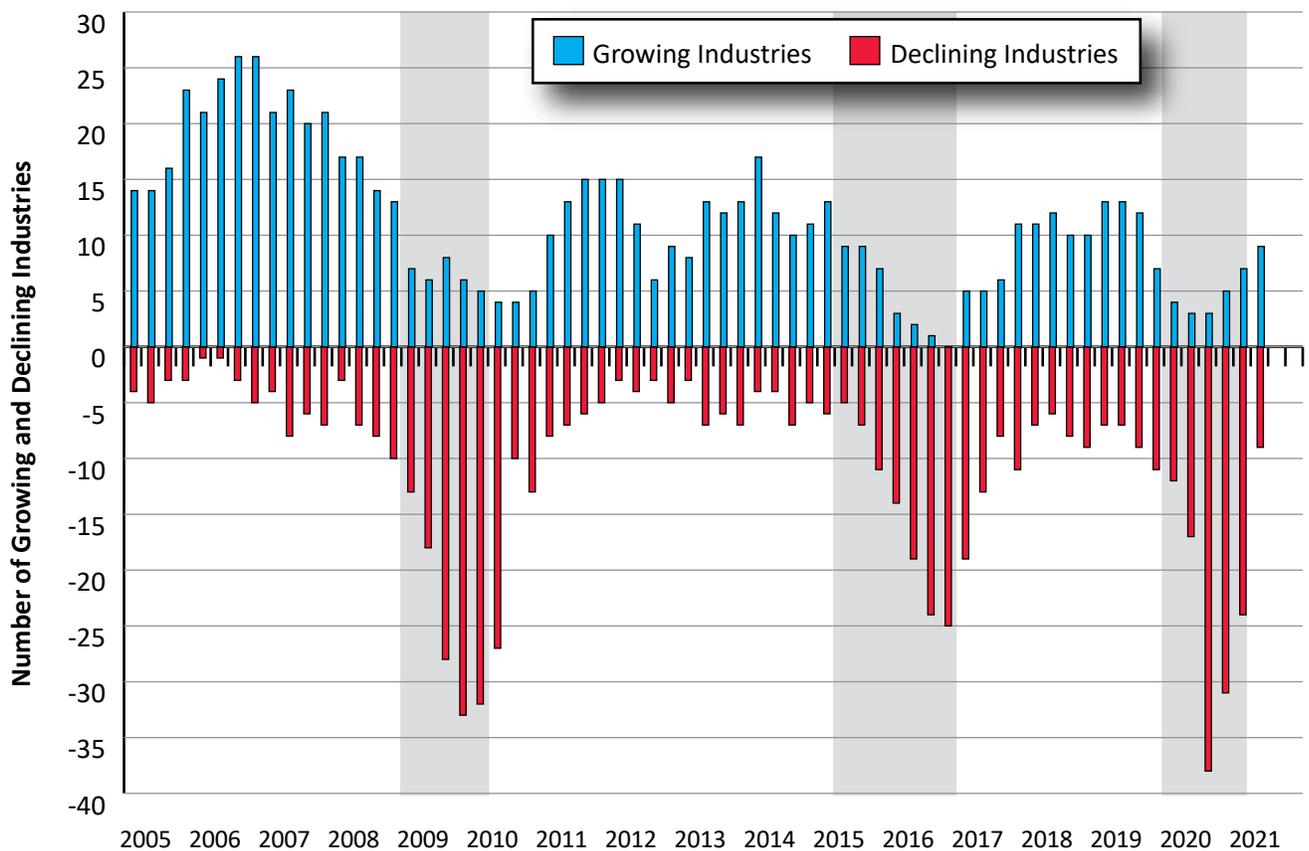
The *average weekly wage* is calculated by dividing the total wage for a particular subsector by the total number of jobs and the number of weeks in the observed quarter. In 2021Q2, the average weekly wage was \$938 for growing industries and \$1,433 for declining industries (see Table 3

and Figure 3, page 7). Overall, the state's average weekly wage was \$984.

During periods of economic expansion, the number of growing industries is much greater than the number of declining industries (see Figure 1). For example, the number of growing industries in Wyoming peaked at 26 in 2006Q3 and 2006Q4, compared to three and five declining industries, respectively.

But during economic downturns, there are far more declining industries than

growing industries. R&P has defined an *economic downturn* as a period of at least two consecutive quarters of over-the-year decrease in average monthly employment and total wages based on data from the QCEW. Over the last 20 years, Wyoming has experienced three periods of economic downturn: 2009Q1-2010Q1, 2015Q2-2016Q4, and 2020Q2-2021Q1. During the most recent economic downturn, which was driven by the COVID-19 pandemic and declining energy prices, Wyoming had 38 declining industries in 2020Q3 compared to just three growing industries.



Shaded areas indicate periods of economic downturn: 2009Q1-2010Q1, 2015Q2-2016Q4, and 2020Q2-2021Q1.
 Source: Growing and Declining Quarterly Industry Reports, based on data from the Quarterly Census of Employment and Wages.
 Prepared by M. Moore, Research & Planning, WY DWS, 10/20/21.

Figure 1: Number of Growing and Declining Industries in Wyoming by Year and Quarter, 2005Q1-2021Q2

Table 1: Growing Industries Report for Wyoming, Second Quarter 2021

Subsector ^a (3-Digit NAICS ^b)	Sector (2-Digit NAICS)	Employment (Current Quarter)				Employment (Prior Quarter)				Growing Industries	
		2021Q2	2020Q2	Over-the-Year Change		2021Q1	2020Q1	Over-the-Year Change		Avg. % Change ^c	Avg. Weekly Wage ^d
				N	%			N	%		
Construction of Buildings (236)	Construction (23)	4,339	4,017	322	8.0	4,097	3,796	301	7.9	8.0	\$977
Food Manufacturing (311)	Manufacturing (31-33)	718	521	197	37.8	759	584	175	30.0	33.9	\$628
Wood Product Manufacturing (321)	Manufacturing (31-33)	474	446	28	6.3	500	442	58	13.1	9.7	\$1,027
Primary Metal Manufacturing (331)	Manufacturing (31-33)	114	105	9	8.6	117	108	9	8.3	8.5	\$3,551
Pipeline Transportation (486)	Transportation & Warehousing (48-49)	833	781	52	6.7	839	783	56	7.2	6.9	\$1,796
Couriers & Messengers (492)	Transportation & Warehousing (48-49)	1,229	1,102	127	11.5	1,360	1,157	203	17.5	14.5	\$1,018
Warehousing & Storage (493)	Transportation & Warehousing (48-49)	2,092	1,925	167	8.7	2,069	1,926	143	7.4	8.1	\$852
ISPs, Search Portals, & Data Processing (518)	Information (51)	159	138	21	15.2	162	140	22	15.7	15.5	\$1,535
Administrative & Support Services (561)	Administrative & Waste Services (56)	8,317	7,395	922	12.5	7,481	6,950	531	7.6	10.1	\$816
Total	Total	18,271	16,428	1,843	11.2	17,381	15,883	1,498	9.4	10.3	\$938

^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 2021Q2 was \$938.

Source: Quarterly Census of Employment and Wages.

Prepared by M. Moore, Research & Planning, WY DWS, 10/20/21.

Table 2: Declining Industries Report for Wyoming, Second Quarter 2021

Subsector ^a (3-Digit NAICS ^b)	Sector (2-Digit NAICS)	Employment (Current Quarter)				Employment (Prior Quarter)				Declining Industries	
		2021Q2	2020Q2	N	%	2021Q1	2020Q1	N	%	Avg. % Change ^c	Avg. Weekly Wage ^d
Oil & Gas Extraction (211)	Mining (21)	2,205	2,762	-557	-20.2	2,239	2,851	-612	-21.5	-20.8	\$2,068
Mining, Except Oil & Gas (212)	Mining (21)	7,063	7,618	-555	-7.3	7,093	7,907	-814	-10.3	-8.8	\$1,860
Support Activities For Mining (213)	Mining (21)	5,154	5,993	-839	-14.0	4,880	8,938	-4,058	-45.4	-29.7	\$1,418
Heavy & Civil Engineering Construction (237)	Construction (23)	5,288	6,280	-992	-15.8	4,052	6,361	-2,309	-36.3	-26.0	\$1,327
Petroleum & Coal Products Manufacturing (324)	Manufacturing (31-33)	1,147	1,314	-167	-12.7	1,188	1,330	-142	-10.7	-11.7	\$2,171
Merchant Wholesalers, Durable Goods (423)	Wholesale Trade (42)	4,514	4,868	-354	-7.3	4,432	5,240	-808	-15.4	-11.3	\$1,317
Support Activities for Transportation (488)	Transportation & Warehousing (48-49)	1,631	1,724	-93	-5.4	1,627	1,721	-94	-5.5	-5.4	\$1,100
Broadcasting, Except Internet (515)	Information (51)	315	334	-19	-5.7	311	360	-49	-13.6	-9.6	\$709
Nursing & Residential Care Facilities (623)	Health Care & Social Assistance (62)	4,738	5,169	-431	-8.3	4,953	5,255	-302	-5.7	-7.0	\$726
Total	Total	32,052	36,059	-4,007	-11.1	30,773	39,961	-9,188	-23.0	-17.1	\$1,433

^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 declining industries in 2021Q1 was \$1,433.

Source: Quarterly Census of Employment and Wages.

Prepared by M. Moore, Research & Planning, WY DWS, 10/20/21.

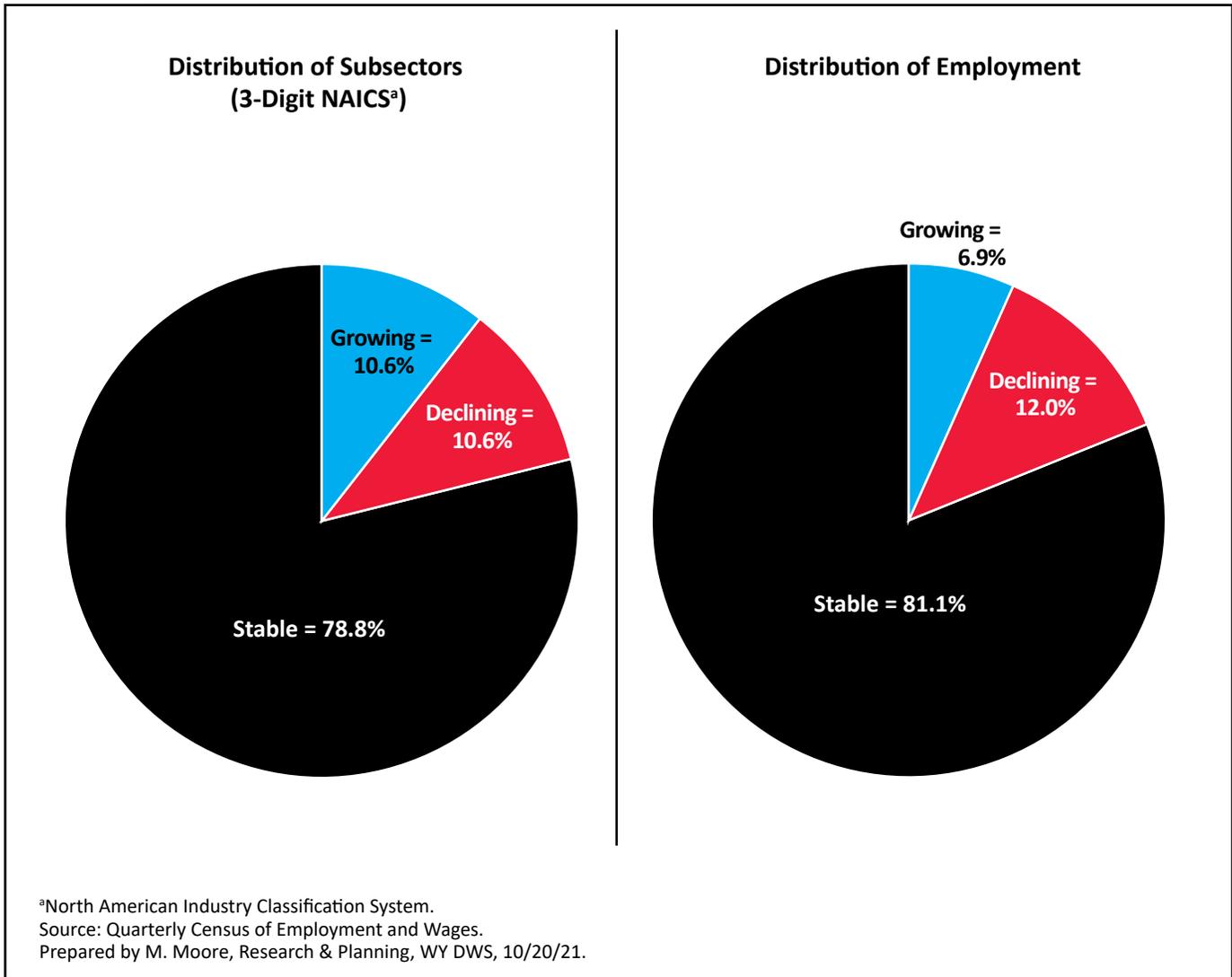


Figure 1: Distribution of Growing and Declining Industries (NAICS 3-Digit Subsector) in Wyoming, 2021Q2

Table 3: Distribution of Sectors and Employment by Growing/Declining Status in Wyoming, 2021Q2

Status	Subsectors (3-Digit NAICS)		Employment		Average Weekly Wage
	N	%	N	%	
Growing	9	10.6	18,275	6.9	\$938
Declining	9	10.6	32,055	12.0	\$1,433
Stable	67	78.8	215,745	81.1	\$921
Total	85	100.0	266,075	100.0	\$984

Source: Quarterly Census of Employment and Wages.
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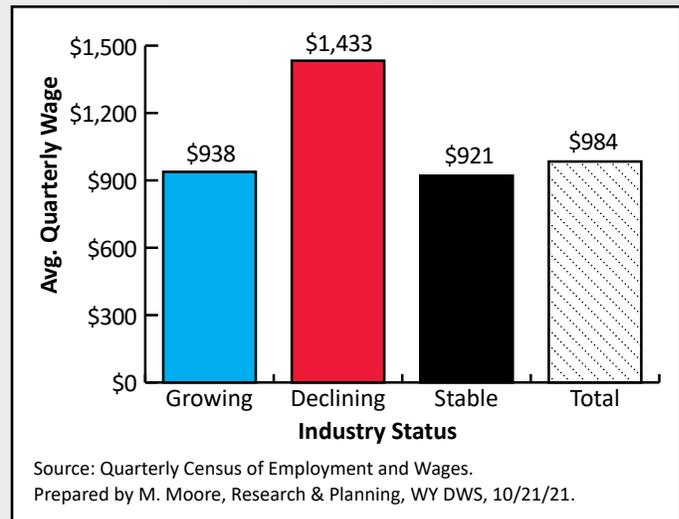


Figure 2: Average Weekly Wage of Growing and Declining Industries in Wyoming, 2021Q2

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