

# **Wyoming Growing and Declining Industries Report**

## **Fourth Quarter 2022**

Prepared by: Laura Yetter, Senior Economist, and Michael Moore, Research Supervisor  
Research & Planning, Wyoming Department of Workforce Services

Published May 10, 2023



# Wyoming Growing and Declining Industries Report, Fourth Quarter 2022

Wyoming Department of Workforce Services  
Robin Sessions Cooley, Director

## Research & Planning

Tony Glover, Manager

Carola Cowan, Bureau of Labor Statistics Programs Supervisor

Michael Moore, Research Supervisor

## Prepared by:

Laura Yetter, Senior Economist

Michael Moore, Research Supervisor

## Editorial Committee:

David Bullard, Jaime Cruz, Matthew Halama, Lisa Knapp, Chris McGrath, Michael Moore, and Laura Yetter

Published May 10, 2023.

©2023 by the Wyoming Department of Workforce Services, Research & Planning

## Department of Workforce Services Nondiscrimination Statement

The Department of Workforce Services does not discriminate on the basis of race, color, religion, national origin, sex, age, or disability. It is our intention that all individuals seeking services from our agency be given equal opportunity and that eligibility decisions be based upon applicable statutes, rules, and regulations.

## 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/>

Growing and Declining Industries: [https://doe.state.wy.us/LMI/G\\_DInd/G\\_D\\_Industries.htm](https://doe.state.wy.us/LMI/G_DInd/G_D_Industries.htm)

URL for this report: [https://doe.state.wy.us/LMI/G\\_DInd/Report\\_22Q4.pdf](https://doe.state.wy.us/LMI/G_DInd/Report_22Q4.pdf)

“Your Source for Wyoming Labor Market Information”

## 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, 2022Q4

by: *Laura Yetter, Senior Economist*

**A** *growing* or *declining* industry is defined as an industry's employment level increasing or decreasing for two consecutive quarters by 5% or more compared to the prior the year. For example, all industries that grew or declined in employment by at least 5% from third quarter 2021 to third quarter 2022 (2021Q3 to 2022Q3) and subsequently from fourth quarter 2021 to fourth quarter 2022 (2021Q4 to 2022Q4) 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 were determined at the three-digit subsector level. For more information on NAICS, please see <https://www.census.gov/naics/>.

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 every 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.

Wyoming had 16 growing industries in 2022Q4, which accounted for 21.9% of all industries and 18.3% of the state's total employment (see Table 3 and Figure 2, page 9). For example, on the growing industries table (see Table 1, pages 5-6), support

## 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](https://doe.state.wy.us/LMI/G_DInd/G_D_Industries.htm)

activities for mining (NAICS 213) grew by 1,185 jobs (21.2%) over the year from 2021Q3 to 2022Q3 and by 946 jobs (15.7%) from 2021Q4 to 2022Q4, for an average quarterly growth of 1,066 jobs, or 18.5%. Professional & technical services (NAICS 541) grew by 767 jobs (7.5%) over the year in 2022Q3 and by 665 jobs (6.4%) over the year in 2022Q4 for an average quarterly growth of 716 jobs, or 6.9%. Other examples of growing industries included merchant wholesalers, durable goods (386 jobs per quarter, or 8.5%), construction of buildings (264, or 6.0%), and repair & maintenance (215, or 6.1%).

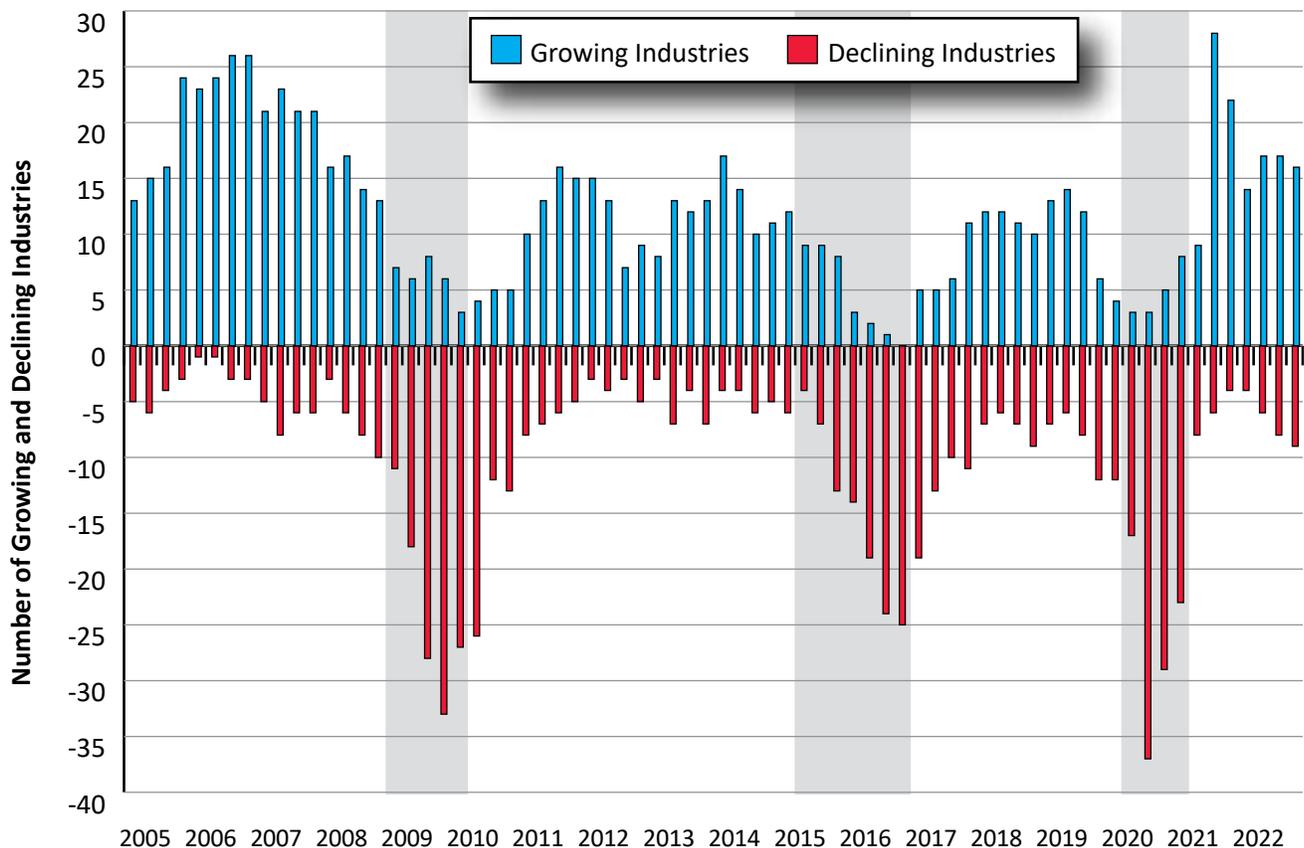
The declining industries table (see Table 2, page 7) reads the same way, except with negative changes, and therefore, declining industries. There were nine declining industries in 2022Q4, which made up 12.3% of all industries and 4.0% of the state's total employment. For example, employment in heavy & civil engineering construction declined by 739 jobs (-12.0%) over the year in 2022Q3 and by 658 jobs (-11.6%) in 2022Q4, for an average quarterly change of -699, or -11.8%. Other declining industries included warehousing & storage (-209, or -10.0%), petroleum & coal products manufacturing (-83, or -7.4%), and pipeline transportation (-76, or -8.9%).

The *average weekly wage* is calculated

by dividing total wages for a particular subsector by the total number of jobs and the number of weeks in the observed quarter. In 2022Q4, the average weekly wage was \$1,726 for growing industries and \$1,519 for declining industries (see Table 3 and Figure 3, page 9). Overall, the state's average weekly wage for 2022Q4 was \$1,171.

During periods of economic expansion, the number of growing industries is much greater than the number of declining industries (see Figure 1). For example, Wyoming had 26 growing industries 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 37 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, 5/9/23.

Figure 1: Number of Growing and Declining Industries in Wyoming by Year and Quarter, 2005Q1-2022Q4

Table 1: Growing Industries Report for Wyoming, Fourth Quarter 2022<sup>a</sup>

Subsector <sup>a</sup> (3-Digit NAICS <sup>b</sup> )	Sector (2-Digit NAICS)	Employment (Current Quarter)				Employment (Prior Quarter)				Growing Industries		
		2022Q4	2021Q4	N	%	2022Q3	2021Q3	N	%	Average Change		Average Weekly Wage
Mining, Except Oil & Gas (212)	Mining, Including Oil & Gas (21)	7,622	7,205	417	5.8	7,552	7,115	437	6.1	427	6.0	\$1,922
Support Activities For Mining (213)	Mining, Including Oil & Gas (21)	6,966	6,020	946	15.7	6,772	5,587	1,185	21.2	1,066	18.5	\$1,792
Construction of Buildings (236)	Construc- tion (23)	4,589	4,344	245	5.6	4,721	4,438	283	6.4	264	6.0	\$1,309
Chemical Manufacturing (325)	Manufac- turing (31- 33)	1,785	1,577	208	13.2	1,764	1,594	170	10.7	189	11.9	\$2,158
Fabricated Metal Product Manufacturing (332)	Manufac- turing (31- 33)	1,827	1,659	168	10.1	1,814	1,630	184	11.3	176	10.7	\$1,271
Machinery Manufacturing (333)	Manufac- turing (31- 33)	702	655	47	7.2	679	631	48	7.6	48	7.4	\$1,190
Computer & Electronic Product Manufacturing (334)	Manufac- turing (31- 33)	344	306	38	12.4	351	308	43	14.0	41	13.2	\$1,374
Electrical Equipment & Appliance Mfg. (335)	Manufac- turing (31- 33)	401	343	58	16.9	386	347	39	11.2	49	14.1	\$1,353
Miscellaneous Manufacturing (339)	Manufac- turing (31- 33)	192	159	33	20.8	197	161	36	22.4	35	21.6	\$787
Merchant Wholesalers, Durable Goods (423)	Wholesale Trade (42)	4,943	4,563	380	8.3	4,903	4,512	391	8.7	386	8.5	\$1,606

<sup>a</sup>Includes both public & privately owned firms.

<sup>b</sup>North American Industry Classification System.

<sup>c</sup>The percentage for average change is the employment-weighted average percentage change of the current & prior quarters (employment change current quarter + employment change prior quarter) divided by the employment for the current & prior quarters (employment current quarter + employment prior quarter).

Source: Quarterly Census of Employment & Wages.

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 & 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 & bonuses, & keying error.

Prepared by L. Yetter, Research & Planning, WY DWS, 5/1/23.

(Table continued on page 6)

(Text continued from page 5)

**Table 1: Growing Industries Report for Wyoming, Fourth Quarter 2022<sup>a</sup>**

Subsector <sup>a</sup> (3-Digit NAICS <sup>b</sup> )	Sector (2-Digit NAICS)	Employment (Current Quarter)				Employment (Prior Quarter)				Growing Industries		
		2022Q4	2021Q4	N	%	2022Q3	2021Q3	N	%	Average Change	% <sup>c</sup>	Average Weekly Wage
Transit & Ground Passenger Transportation (485)	Transportation & Warehousing (48-49)	414	392	22	5.6	437	405	32	7.9	27	6.8	\$637
Isps, Search Portals, & Data Processing (518)	Information (51)	198	160	38	23.8	192	167	25	15.0	32	19.4	\$2,585
Securities, Commodity Contracts, Investments (523)	Finance & Insurance (52)	745	646	99	15.3	731	638	93	14.6	96	15.0	\$4,414
Professional & Technical Services (541)	Professional & Technical Services (54)	11,011	10,346	665	6.4	11,033	10,266	767	7.5	716	6.9	\$1,807
Management of Companies & Enterprises (551)	Mgmt. of Companies & Enterprises (55)	970	922	48	5.2	981	882	99	11.2	74	8.2	\$3,100
Repair & Maintenance (811)	Other Services, Except Public Admin. (81)	3,781	3,579	202	5.6	3,700	3,472	228	6.6	215	6.1	\$1,068
<b>Total</b>	<b>Total</b>	<b>46,485</b>	<b>42,870</b>	<b>3,615</b>	<b>8.4</b>	<b>46,211</b>	<b>42,147</b>	<b>4,064</b>	<b>9.6</b>	<b>3,840</b>	<b>9.0</b>	<b>\$1,726</b>

<sup>a</sup>Includes both public & privately owned firms.<sup>b</sup>North American Industry Classification System.<sup>c</sup>The percentage for average change is the employment-weighted average percentage change of the current & prior quarters (employment change current quarter + employment change prior quarter) divided by the employment for the current & prior quarters (employment current quarter + employment prior quarter).

Source: Quarterly Census of Employment &amp; Wages.

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 &amp; 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 &amp; bonuses, &amp; keying error.

Prepared by L. Yetter, Research &amp; Planning, WY DWS, 5/1/23.

Table 2: Declining Industries Report for Wyoming, Fourth Quarter 2022<sup>a</sup>

Subsector <sup>a</sup> (3-Digit NAICS <sup>b</sup> )	Sector (2-Digit NAICS)	Employment (Current Quarter)				Employment (Prior Quarter)				Declining Industries		
		2022Q4	2021Q4	N	%	2022Q3	2021Q3	N	%	Average Change	% <sup>c</sup>	Average Weekly Wage
Agriculture & Forestry Support Activities (115)	Agriculture, Forestry, Fishing & Hunting (11)	208	281	-73	-26.0	301	335	-34	-10.1	-54	-18.1	\$953
Heavy & Civil Engineering Construction (237)	Construc- tion (23)	5,000	5,658	-658	-11.6	5,409	6,148	-739	-12.0	-699	-11.8	\$1,558
Textile Product Mills (314)	Manufac- turing (31- 33)	168	178	-10	-5.6	170	187	-17	-9.1	-14	-7.4	\$770
Printing & Related Support Activities (323)	Manufac- turing (31- 33)	197	208	-11	-5.3	195	209	-14	-6.7	-13	-6.0	\$567
Petroleum & Coal Products Manufacturing (324)	Manufac- turing (31- 33)	1,026	1,097	-71	-6.5	1,042	1,136	-94	-8.3	-83	-7.4	\$3,073
Pipeline Transportation (486)	Manufac- turing (31- 33)	772	848	-76	-9.0	768	843	-75	-8.9	-76	-8.9	\$2,150
Warehousing & Storage (493)	Transpor- tation & Ware- housing (48-49)	1,885	2,098	-213	-10.2	1,880	2,085	-205	-9.8	-209	-10.0	\$853
Other Information Services (519)	Transpor- tation & Ware- housing (48-49)	553	601	-48	-8.0	544	603	-59	-9.8	-54	-8.9	\$791
Private Households (814)	Other Services, Except Public Admin. (81)	266	287	-21	-7.3	274	314	-40	-12.7	-31	-10.0	\$822
<b>Total</b>	<b>Total</b>	<b>10,073</b>	<b>11,253</b>	<b>-1,180</b>	<b>-10.5</b>	<b>10,580</b>	<b>11,855</b>	<b>-1,275</b>	<b>-10.8</b>	<b>-1,228</b>	<b>-10.6</b>	<b>\$1,519</b>

<sup>a</sup>Includes both public & privately owned firms.

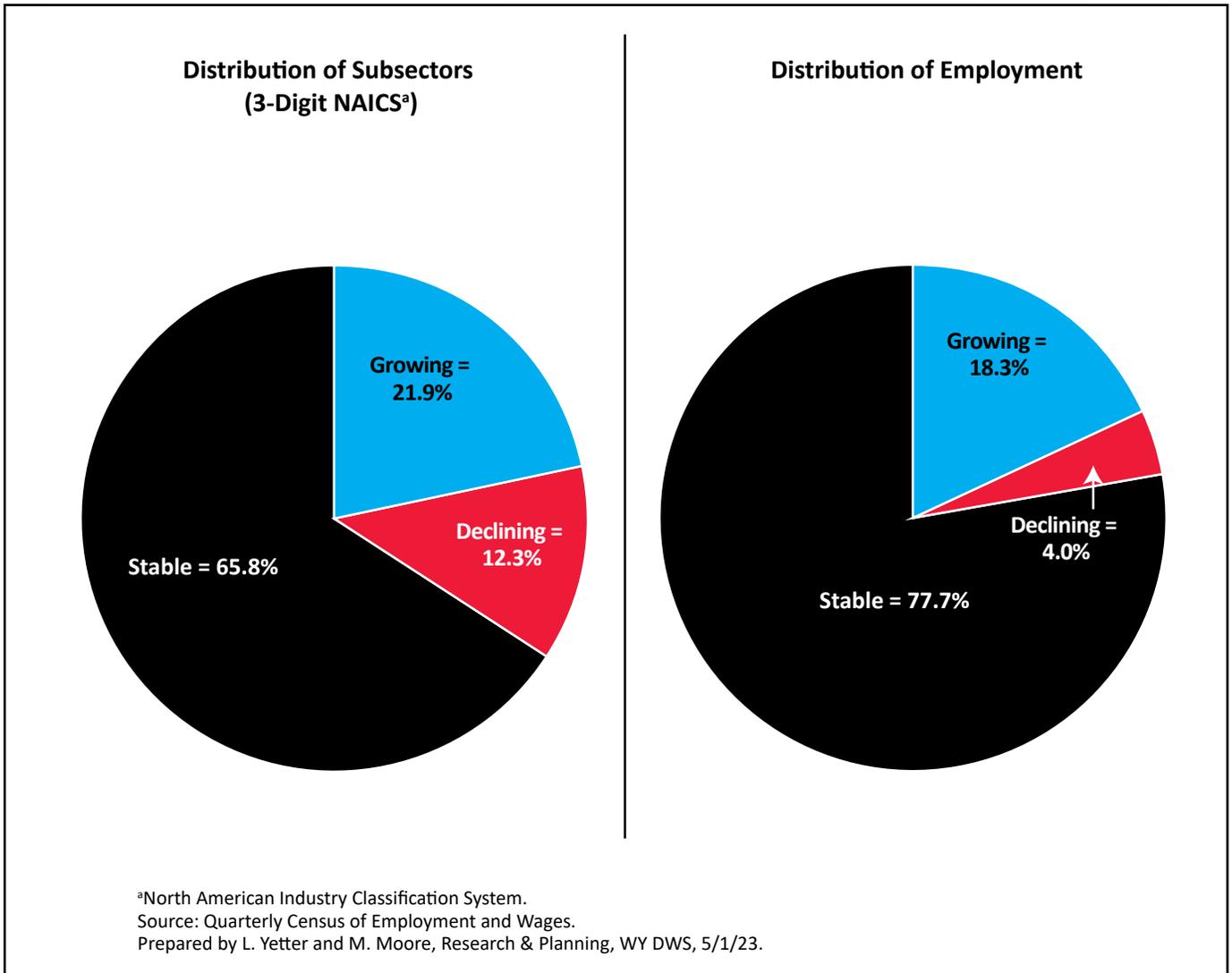
<sup>b</sup>North American Industry Classification System.

<sup>c</sup>The percentage for average change is the employment-weighted average percentage change of the current & prior quarters (employment change current quarter + employment change prior quarter) divided by the employment for the current & prior quarters (employment current quarter + employment prior quarter).

Source: Quarterly Census of Employment & Wages.

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 & 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 & bonuses, & keying error.

Prepared by L. Yetter and M. Moore, Research & Planning, WY DWS, 5/1/23.

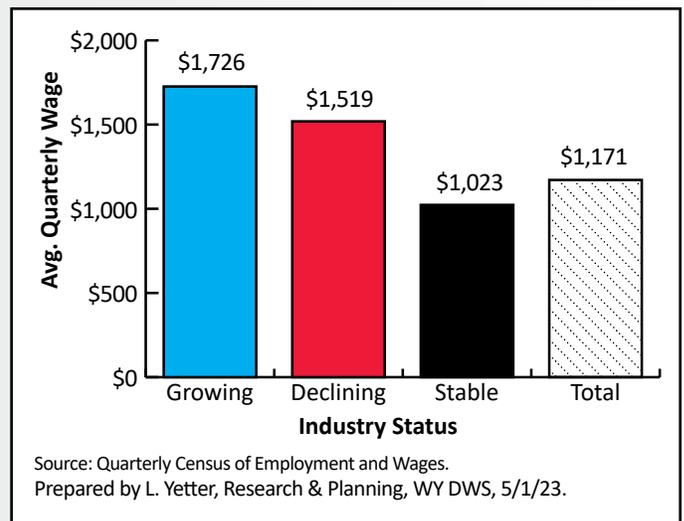


**Figure 2: Distribution of Growing and Declining Industries (NAICS 3-Digit Subsector) in Wyoming, 2022Q4**

**Table 3: Distribution of Sectors and Employment by Growing/Declining Status in Wyoming, 2022Q4**

Status	Subsectors (3-Digit NAICS)		Employment		Average Weekly Wage
	N	%	N	%	
Growing	16	21.9	46,490	18.3	\$1,726
Declining	9	12.3	10,075	4.0	\$1,519
Stable	48	65.8	197,791	77.8	\$1,023
<b>Total</b>	<b>73</b>	<b>100.0</b>	<b>254,356</b>	<b>100.0</b>	<b>\$1,171</b>

Source: Quarterly Census of Employment and Wages.  
 Prepared by L. Yetter and M. Moore, Research & Planning, WY DWS, 5/1/23.



**Figure 3: Average Weekly Wage of Growing and Declining Industries in Wyoming, 2022Q4**



**This publication was produced by the Research & Planning section of the Wyoming Department of Workforce Services.**

**Research & Planning  
P.O. Box 2760  
Casper, WY 82602  
Phone: (307) 473-3807  
Fax: (307) 473-3834  
Website: <https://doe.state.wy.us/LMI>  
Email: [dws-researchplanning@wyo.gov](mailto:dws-researchplanning@wyo.gov)**

Material contained in this publication is in the public domain  
and may be reproduced without special permission provided that source credit is given to:

**Wyoming Growing and Declining Industries Report, Fourth Quarter 2022**, Wyoming Department of Workforce Services, Research & Planning

This workforce product was funded by a grant awarded by the U.S. Department of Labor's Employment and Training Administration. The product was created by the recipient and does not necessarily reflect the official position of the U.S. Department of Labor. The U.S. Department of Labor makes no guarantees, warranties, or assurances of any kind, express or implied, with respect to such information, including any information on linked sites and including, but not limited to, accuracy of the information or its completeness, timeliness, usefulness, adequacy, continued availability, or ownership. This product is copyrighted by the institution that created it. Internal use by an organization and/or personal use by an individual for non-commercial purposes is permissible. All other uses require the prior authorization of the copyright owner.