A growing / declining industry is defined as an Industry Group's employment level increasing / decreasing for two quarters by five percent or more over the year. For example, all industries that grew / declined in employment by at least five percent from 2018Q3 to 2019Q3 and subsequently from 2018Q4 to 2019Q4 were included in the respective lists. 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 a new QCEW becomes available, growing / declining industry information is updated. Only Industry Group employment sizes of 100 or more are included in these lists.*

On the growing industry report, the Average Weekly Wage (AWW) for NAICS 335, Electrical equipment and appliance mfg. in 2019Q4 was $1,192.61.The AWW 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. This Industry Group grew 52.5% or 124 jobs over the year for 2019Q4 or 53.2% or 123 jobs over the year for 2019Q3, thus qualifying as a growing industry for 2019Q4. The declining industry list reads the same way, only instead of positive percentages in the growth columns, we see negative growth and therefore declining industries.

*Consequently, while employment in other industries may meet the growth criteria, this growth is taking place in industries with less employment.

Distribution of Sectors and Employment by Status for Fourth Quarter 2019

STATUS	***INDUSTRY GROUPS***		***EMPLOYMENT***		***Average Wage***
	Number	***%***	***Number***	***%***	
Declining	11	13.1%	12,395	4.5%	$1,054.13
Stable	65	77.4%	211,100	76.1%	$1,013.89
Growing	8	9.5%	53828	19.4%	$967.53
Total	84	100.0%	277,559	100.0%	$1,007.58

Table 1: Growing Industries Report for Fourth Quarter 2019 in NAICS

NAICS (1)	*Sector*	*Subsector*	*AWW(2)*	*Emp. 2019Q4*	*Emp. 2018Q4*	*Emp. Chg*	*Pct. Chg*	*Emp. 2019Q3*	*Emp. 2018Q3*	*Emp. Chg*	*Pct. Chg*	*Avg. Chg (3)*
335	Manufacturing	Electrical equipment and appliance mfg.	$1,192.61	360	236	124	52.5%	354	231	123	53.2%	52.9%
237	Construction	Heavy and civil engineering construction	$1,370.91	7,449	6,792	657	9.7%	8,425	6,115	2,310	37.8%	23.7%
326	Manufacturing	Plastics and rubber products manufacturing	$886.89	334	301	33	11.0%	329	296	33	11.1%	11.1%
334	Manufacturing	Computer and electronic product manufacturing	$1,156.75	338	312	26	8.3%	354	315	39	12.4%	10.4%
488	Transportation and warehousing	Support activities for transportation	$1,076.75	1,616	1,490	126	8.5%	1,552	1,408	144	10.2%	9.3%
454	Retail Trade	Nonstore retailers	$885.00	648	602	46	7.6%	627	574	53	9.2%	8.4%
238	Construction	Specialty trade contractors	$1,134.67	11,956	11,078	878	7.9%	12,223	11,631	592	5.1%	6.5%
Total			**$1,199.00**	**22,700**	**20,810**	**1,890**	**9.1%**	**23,863**	**20,570**	**3,293**	**16.0%**	**12.6%**

1. Includes both public and privately owned firms.

2. The Average Weekly Wage (AWW) 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. The read should also be aware that AWW's at the industry Group Level are suceptible to wage bias due to sample size, occupational distributions, seasonal pay and bonuses, and keying error. The AWW for all growing industries in 2019Q4 was $967.53.

3. The 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)/(employment current quarter + employment prior quarter).

Table 2: Declining Industries Report for Fourth Quarter 2019 in NAICS

NAICS (1)	*Sector*	*Subsector*	*AWW(2)*	*Emp. 2019Q4*	*Emp. 2018Q4*	*Emp. Chg*	*Pct. Chg*	*Emp. 2019Q3*	*Emp. 2018Q3*	*Emp Chg.*	*Pct. Chg*	*Avg. Chg (3)*
481	Transportation and warehousing	Air transportation	$958.59	327	487	-160	-32.9%	483	574	-91	-15.9%	-24.4%
311	Manufacturing	Food manufacturing	$672.10	798	1,005	-207	-20.6%	628	776	-148	-19.1%	-19.8%
111	Agriculture, forestry, fishing and hunting	Crop production	$700.56	520	648	-128	-19.8%	605	735	-130	-17.7%	-18.7%
425	Wholesale trade	Electronic markets and agents and brokers	$1,769.03	127	147	-20	-13.6%	129	149	-20	-13.4%	-13.5%
814	Other services, except public administration	Private households	$606.28	326	376	-50	-13.3%	359	414	-55	-13.3%	-13.3%
452	Retail Trade	General merchandise stores	$522.69	5,317	5,833	-516	-8.8%	5,477	6,143	-666	-10.8%	-9.8%
115	Agriculture, forestry, fishing and hunting	Agriculture and forestry support activities	$867.14	251	286	-35	-12.2%	372	393	-21	-5.3%	-8.8%
512	Information	Motion picture and sound recording industries	$383.84	454	489	-35	-7.2%	483	529	-46	-8.7%	-7.9%
518	Information	ISPs, search portals, and data processing	$1,183.25	190	202	-12	-5.9%	186	206	-20	-9.7%	-7.8%
211	Mining	Oil and gas extraction	$2,276.38	2,865	3,068	-203	-6.6%	2,893	3,076	-183	-5.9%	-6.3%
928	Public administration	National security and international affairs	$1,238.26	1,224	1,309	-85	-6.5%	1,204	1,279	-75	-5.9%	-6.2%
Total			**$1,054.13**	**12,395**	**13,848**	**-1,453**	**-10.5%**	**12,817**	**14,272**	**-1,455**	**-10.2%**	**-10.3%**

Prepared by S. Wen, Research & Planning, WY DWS, 4/24/20.

1. Includes both public and privately owned firms.

2. The Average Weekly Wage (AWW) 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. The reader should also be aware that AWW's at the industry Group Level are suceptible to wage bias due to sample size, occupational distributions, seasonal pay and bonuses, and keying error. The AWW for all declining industries in 2019Q4 was $1,054.13.

3. The 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)/(employment current quarter + employment prior quarter).

Distribution of Sectors and Employment by Status for Fourth Quarter 2019

