



COLORADO

Department of
Labor and Employment

Office of Labor Market Information

Analysis & Background

Expected Revisions to Colorado Nonfarm Payroll Jobs

First quarter 2017 Quarterly Census of Employment and Wages (QCEW) results indicate Colorado total nonfarm payroll jobs estimates will be revised up for this period with the release of benchmarked estimates in March 2018. March 2017 estimates are expected to be revised up by about 10,600, or four-tenths of a percentage point. January 2017 estimates are expected to be revised down by about 5,700, or two-tenths of a percentage point. No changes are expected for the February 2017 estimates.

Applying these results through July 2017 brings estimated total nonfarm payroll jobs in July to 2,659,000. This change brings over the year payroll job growth estimates through July 2017 to 54,000 or 2.1 percent.

The final March 2018 benchmarked series are expected to vary from these estimates due to new seasonal adjustment factors and new estimates of nonfarm payroll jobs not covered by the unemployment insurance program.

Industry sectors expected to undergo an upward revision to payroll jobs estimates in the 1st quarter¹ include government (~6,800), construction (~5,700), and mining and logging (~2,000). Payroll jobs estimates for manufacturing, and leisure and hospitality may also be revised up.

The industry sectors expected to undergo a downward revision to payroll jobs estimates are other services (~2,700), trade, transportation, and utilities (~1,500), and professional and business services (~1,300). Estimates for education and health services, financial activities, and information may also be revised down.

Payroll jobs estimates for the Colorado Springs (~2,300), Greeley (~2,200), and Grand Junction (~1,200) Metropolitan Statistical Areas are expected to be revised up in the 1st quarter¹. Estimates for the Fort Collins Metropolitan Statistical Area may also be revised upward.

Total nonfarm payroll job estimates for the Boulder Metropolitan Statistical Area are expected to be revised down. Payroll jobs estimates for the Denver Metropolitan Statistical Area may also be revised down.

No changes are expected for the Pueblo Metropolitan Statistical Area in the 1st quarter.

¹ Values shown are March estimates.

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Expected Revisions to Colorado Nonfarm Payroll Jobs based on 2nd quarter 2017 QCEW data will be released Wednesday, November 29, 2017.

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Every month of the year other than February the Colorado Department of Labor and Employment, in cooperation with the U.S. Bureau of Labor Statistics, releases estimates of Colorado nonfarm payroll jobs for the previous month based on results from a survey of business establishments. Estimates for Colorado are produced by the Bureau of Labor Statistics for total nonfarm payroll jobs and specific industry sectors or groups of sectors across the entire state, and for the seven metropolitan statistical areas.

In February of each year these survey based estimates are compared to and adjusted in a process called “benchmarking” based on administrative records available since the release of the survey estimates. The results of that comparison are released in March.

For instance, at the beginning of the 2018 calendar year Colorado nonfarm payroll jobs estimates for the 4th quarter of 2016 and all of 2017 will be benchmarked based on information available from the QCEW program for the 4th quarter of 2016 and the first three quarters of 2017. These updated estimates will be released in March 2018.

The source of these administrative records for the QCEW program are unemployment insurance reports Colorado employers are required to file quarterly with the Colorado Department of Labor and Employment. Among other information, employers include the number of people employed at the firm for each month of the quarter for which the report is being filed. Although only firms with employees covered by the Colorado Unemployment Insurance program are required by state and federal law to submit these reports, this quarterly census of employment covers about 98 percent of all nonfarm payroll jobs and about 88 percent of total employment in Colorado.

Aggregated by industry, the QCEW data are more closely aligned with the definition of nonfarm payroll jobs than with total employment. This is because an individual holding more than one job is counted only once in the total employment estimate but multiple times in both QCEW and the nonfarm payroll jobs estimates. Total employment estimates are by place of residence while both QCEW and payroll jobs are by place of business.

Though the official nonfarm payroll jobs estimates are benchmarked only once a year, data from QCEW are available quarterly and, once available, can be

compared to the official series to see by about how much the official statistics will be adjusted.

Colorado Nonfarm Payroll Jobs Estimates - 1st Quarter 2017

Statewide by Industry Sector, in Thousands <i>Seasonally Adjusted</i>	<i>Expected revisions based on Q1 2017 QCEW</i>			<i>Forecast based on Q1 2017 QCEW</i>				<i>Prior year official series - Benchmarked to QCEW</i>				<i>Over the Year Change</i>			
												<i>Nonfarm Payroll Jobs</i>		<i>Growth Rate</i>	
	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Jan-16	Feb-16	Mar-16	Jul-16	Mar-17	Jul-17	Mar-17	Jul-17
Modified Education & Health Services ^{2 & 3}	330.6	331.9	333.3	329.5	333.3	334.9	334.6				328.4	10.2	6.2	3.2%	1.9%
Education & Health Services ¹	332.8	331.5	333.0	329.2	333.0	334.6	334.3	321.2	322.1	323.1	328.4	9.9	5.9	3.1%	1.8%
Expected Revision	-2.2	0.4	0.3	0.3	0.3	0.3	0.3								
Expected Percent Revision	-0.7%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%								
Modified Leisure & Hospitality ^{2 & 3}	327.7	328.2	329.2	332.0	331.1	334.3	333.6				324.0	8.7	9.6	2.7%	3.0%
Leisure & Hospitality ¹	327.8	326.8	329.2	332.0	331.1	334.3	333.6	319.6	320.6	320.5	324.0	8.7	9.6	2.7%	3.0%
Expected Revision	-0.1	1.4	0.0	0.0	0.0	0.0	0.0								
Expected Percent Revision	0.0%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%								
Modified Other Services ^{2 & 3}	104.4	105.5	105.9	106.8	106.7	106.7	107.1				105.8	1.2	1.3	1.2%	1.3%
Other Services ¹	107.6	108.3	108.6	109.5	109.4	109.4	109.8	104.2	104.6	104.7	105.8	3.9	4.0	3.7%	3.8%
Expected Revision	-3.2	-2.8	-2.7	-2.7	-2.7	-2.7	-2.7								
Expected Percent Revision	-3.0%	-2.6%	-2.5%	-2.4%	-2.4%	-2.4%	-2.4%								
Modified Government ^{2 & 3}	430.9	434.0	436.9	435.5	434.6	433.6	437.1				426.4	10.5	10.7	2.5%	2.5%
Government ¹	433.1	430.3	430.1	428.7	427.8	426.8	430.3	424.0	425.1	426.4	426.4	3.7	3.9	0.9%	0.9%
Expected Revision	-2.2	3.7	6.8	6.8	6.8	6.8	6.8								
Expected Percent Revision	-0.5%	0.9%	1.6%	1.6%	1.6%	1.6%	1.6%								

¹ Source: Official payroll jobs series produced by the U.S. Bureau of Labor Statistics and the Colorado Department of Labor and Employment.

² Modified 1st quarter estimates produced by the Colorado Department of Labor and Employment based on 1st quarter 2017 QCEW and an estimate of payroll jobs not covered by QCEW.

³ Modified 2nd and 3rd quarter 2017 estimates produced by the Colorado Department of Labor and Employment based on modified 1st quarter results and over the month changes from the official payroll jobs series.

Colorado Nonfarm Payroll Jobs Estimates - 1st Quarter 2017

By Metropolitan Statistical Area, in Thousands <i>Seasonally Adjusted</i>	<i>Expected revisions based on Q1 2017 QCEW</i>							<i>Forecast based on Q1 2017 QCEW</i>				<i>Prior year official series - Benchmarked to QCEW</i>				<i>Over the Year Change</i>			
																<i>Nonfarm Payroll Jobs</i>		<i>Growth Rate</i>	
	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Jan-16	Feb-16	Mar-16	Jul-16	Mar-17	Jul-17	Mar-17	Jul-17				
Modified Statewide Total Nonfarm Payroll Jobs ^{2 & 3}	2,623.8	2,634.6	2,644.7	2,645.6	2,651.1	2,655.4	2,659.0				2,605.0	59.4	54.0	2.3%	2.1%				
Statewide Total Nonfarm Payroll Jobs ¹	2,629.5	2,634.4	2,634.1	2,635.0	2,640.5	2,644.8	2,648.4	2,576.0	2,581.2	2,585.3	2,605.0	48.8	43.4	1.9%	1.7%				
Expected Revision	-5.7	0.2	10.6	10.6	10.6	10.6	10.6												
Expected Percent Revision	-0.2%	0.0%	0.4%	0.4%	0.4%	0.4%	0.4%												
Modified Boulder MSA Total Nonfarm Payroll Jobs ^{2 & 3}	184.1	187.3	188.6	189.4	188.3	187.4	189.0				185.5	4.1	3.5	2.2%	1.9%				
Boulder MSA Total Nonfarm Payroll Jobs ¹	188.7	190.1	189.0	189.8	188.7	187.8	189.4	183.7	184.4	184.5	185.5	4.5	3.9	2.4%	2.1%				
Expected Revision	-4.6	-2.8	-0.4	-0.4	-0.4	-0.4	-0.4												
Expected Percent Revision	-2.5%	-1.5%	-0.2%	-0.2%	-0.2%	-0.2%	-0.2%												
Modified Colorado Springs MSA Total Nonfarm Payroll Jobs ^{2 & 3}	282.7	284.5	285.4	285.7	285.4	286.2	286.3				279.5	7.7	6.8	2.8%	2.4%				
Colorado Springs MSA Total Nonfarm Payroll Jobs ¹	284.0	283.7	283.1	283.4	283.1	283.9	284.0	276.0	276.8	277.7	279.5	5.4	4.5	1.9%	1.6%				
Expected Revision	-1.3	0.8	2.3	2.3	2.3	2.3	2.3												
Expected Percent Revision	-0.4%	0.3%	0.8%	0.8%	0.8%	0.8%	0.8%												
Modified Denver MSA Total Nonfarm Payroll Jobs ^{2 & 3}	1,448.9	1,450.8	1,456.1	1,455.5	1,456.1	1,460.0	1,465.5				1,440.2	31.0	25.3	2.2%	1.8%				
Denver MSA Total Nonfarm Payroll Jobs ¹	1,451.5	1,452.8	1,455.0	1,454.4	1,455.0	1,458.9	1,464.4	1,419.2	1,422.2	1,425.1	1,440.2	29.9	24.2	2.1%	1.7%				
Expected Revision	-2.6	-2.0	1.1	1.1	1.1	1.1	1.1												
Expected Percent Revision	-0.2%	-0.1%	0.1%	0.1%	0.1%	0.1%	0.1%												
Modified Fort Collins MSA Total Nonfarm Payroll Jobs ^{2 & 3}	164.1	164.1	164.9	165.8	167.6	169.3	169.0				161.3	5.3	7.7	3.3%	4.7%				
Fort Collins MSA Total Nonfarm Payroll Jobs ¹	163.5	164.4	164.4	165.3	167.1	168.8	168.5	158.9	159.3	159.6	161.3	4.8	7.2	3.0%	4.5%				
Expected Revision	0.6	-0.3	0.5	0.5	0.5	0.5	0.5												
Expected Percent Revision	0.4%	-0.2%	0.3%	0.3%	0.3%	0.3%	0.3%												
Modified Grand Junction MSA Total Nonfarm Payroll Jobs ^{2 & 3}	61.4	62.3	62.3	62.5	62.4	62.0	62.3				61.1	0.9	1.2	1.5%	2.0%				
Grand Junction MSA Total Nonfarm Payroll Jobs ¹	60.4	60.6	61.1	61.3	61.2	60.8	61.1	61.0	61.1	61.4	61.1	-0.3	0.0	-0.5%	0.0%				
Expected Revision	1.0	1.7	1.2	1.2	1.2	1.2	1.2												
Expected Percent Revision	1.6%	2.8%	2.0%	2.0%	2.0%	2.0%	2.0%												
Modified Greeley MSA Total Nonfarm Payroll Jobs ^{2 & 3}	101.5	102.6	103.6	103.9	104.0	104.3	104.3				99.0	4.7	5.3	4.7%	5.3%				
Greeley MSA Total Nonfarm Payroll Jobs ¹	101.1	101.3	101.4	101.7	101.8	102.1	102.1	98.9	98.7	98.9	99.0	2.5	3.1	2.5%	3.1%				
Expected Revision	0.4	1.3	2.2	2.2	2.2	2.2	2.2												
Expected Percent Revision	0.4%	1.3%	2.1%	2.1%	2.1%	2.1%	2.1%												
Modified Pueblo MSA Total Nonfarm Payroll Jobs ^{2 & 3}	62.7	62.3	62.5	62.7	62.3	62.4	62.1				61.8	1.2	0.3	1.9%	0.4%				
Pueblo MSA Total Nonfarm Payroll Jobs ¹	62.5	62.5	62.5	62.7	62.3	62.4	62.1	61.4	61.4	61.3	61.8	1.2	0.3	2.0%	0.5%				
Expected Revision	0.2	-0.2	0.0	0.0	0.0	0.0	0.0												
Expected Percent Revision	0.3%	-0.3%	0.0%	0.0%	0.0%	0.0%	0.0%												

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