



CBER Indexes for Nevada and Southern Nevada

Published February 09, 2017

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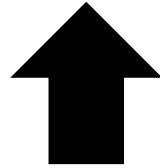
Summary of CBER's Nevada Indexes

Coincident Index (November)

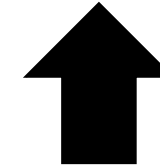
Leading Index (December)

Mo. to Mo.

0.2 %



0.6 %

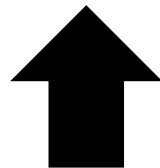


Taxable Sales	Gross Gaming Revenue	Nonfarm Employment
3.0% ↑	-3.5% ↓	0.4% ↑

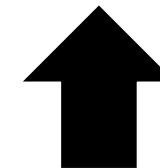
Initial Claims*	10-Year Treasury*	Housing Permits	Commercial Permits**	Airline Passengers	S&P 500
4.1% ↑	0.1% ↑	25.5% ↑	1.1% ↑	-1.9% ↓	2.4% ↑

Yr. to Yr.

2.5 %



4.6 %



Taxable Sales	Gross Gaming Revenue	Nonfarm Employment
5.7% ↑	-1.8% ↓	2.8% ↑

Initial Claims*	10-Year Treasury*	Housing Permits	Commercial Permits**	Airline Passengers	S&P 500
10.5% ↑	1.1% ↑	78.7% ↑	44.0% ↑	1.2% ↑	9.1% ↑

Note: The coincident index is a month behind relative to other indexes because of a two-month delay in the release of taxable sales.

* Inverted **Data are partly forecasted since Washoe County's November and December permit summaries have yet to be released.



CBER's Indexes of Nevada Economic Activity

Coincident Index Components

- Nevada Taxable Sales
- Nevada Gross Gaming Revenue
- Nevada Nonfarm Employment

Leading Index Components

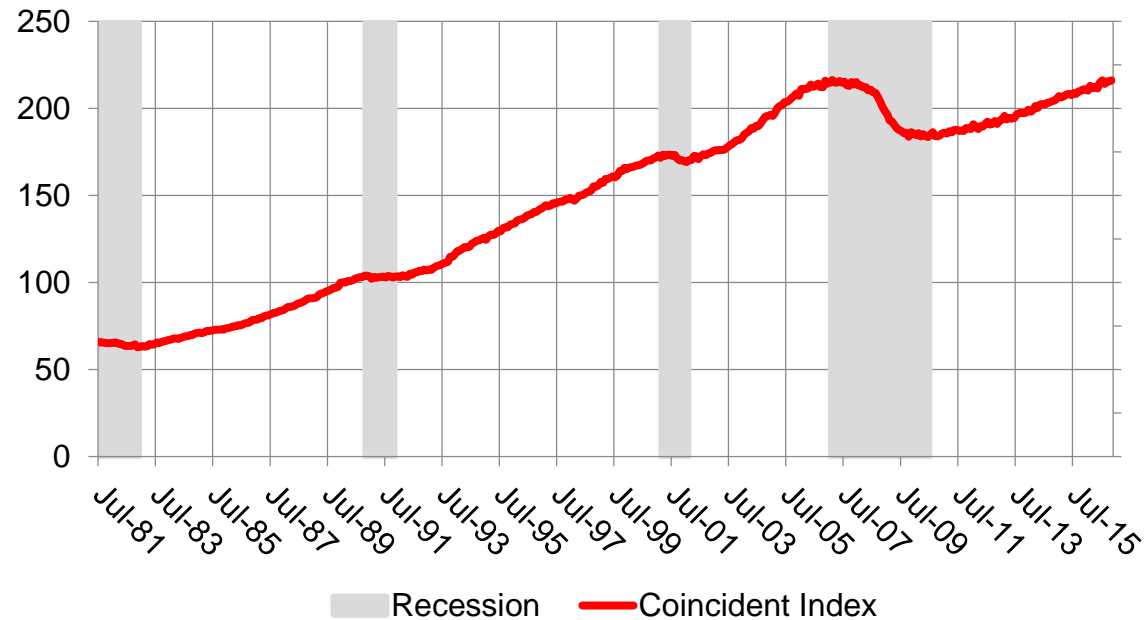
- Nevada Initial Claims for Unemployment (inverted)
- Real 10-Year Treasury Rate (inverted)
- Nevada Housing Permits
- Nevada Commercial Permits
- Nevada Airline Passengers
- Standard & Poor's Stock Market Index

The CBER Nevada coincident and leading indexes use the Department of Commerce index construction method. The CBER Nevada coincident index measures the ups and downs of the Nevada economy, while the CBER Nevada leading index provides an indication for the future direction of the coincident index. The coincident index provides the benchmark series that defines the business cycle or reference cycle in Nevada. The leading index then tracks the economy relative to that reference cycle. The coincident index peaked in February 2007 and then fell dramatically through June 2010. Prior to the Great Recession, identified by the benchmark Nevada coincident index, the Nevada leading index peaked in November 2005, 14 months before the Nevada coincident index peaked. Then the Nevada leading index troughed in May 2009, 13 months before the Nevada coincident index troughed. All series are seasonally adjusted (SA). A full description of the methodology used to construct the indexes can be found at: <http://cber.unlv.edu/publications/nvindices.pdf>.



Nevada Coincident Index

The CBER Nevada coincident index increased in November 2016 relative to last month and last year.



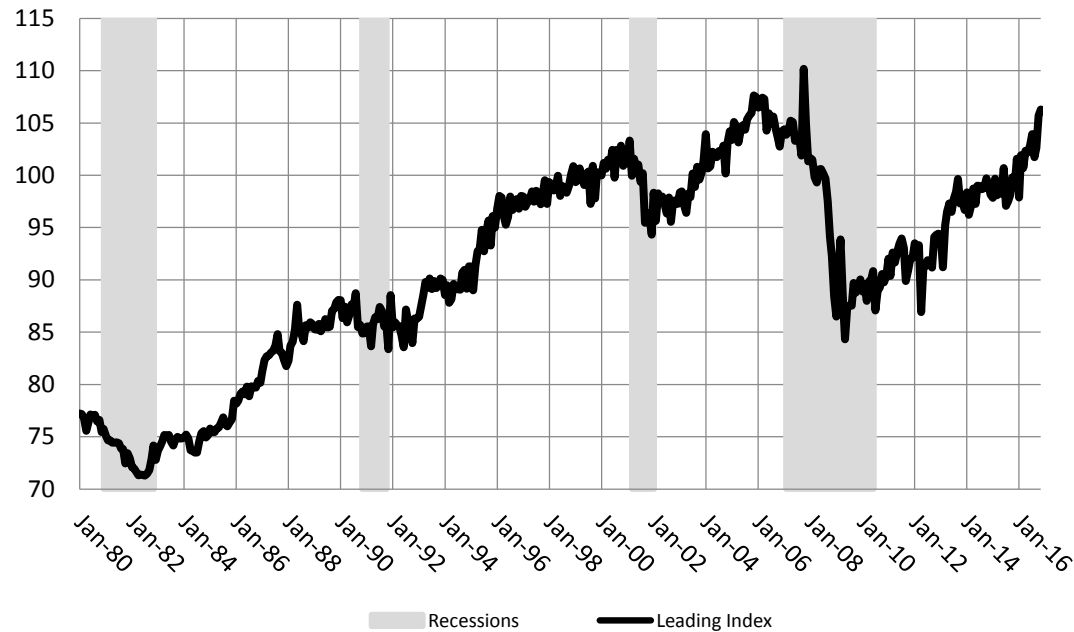
The CBER Nevada coincident index climbed by 0.2 and 2.5 percent, respectively, from last month and last year. In contrast to October 2016, taxable sales and nonfarm employment gained, up by 3.0 and 0.4 percent, respectively, for the month. Gaming revenue, however, decreased compared to last month, dropping by 3.5 percent. Gaming revenue also decreased by 1.8 percent year-over-year, which was totally offset by gains from taxable sales and nonfarm employment, which were up by 5.7 and 2.8 percent, respectively. Thus, the index has recovered 99.9 percent from its previous peak in February 2007.

Series	Date	Latest Period	Month-Over-Month	Year-Over-Year
Taxable Sales (SA)	Nov-16	4,646,412,782	3.0%	5.7%
Gaming Revenue (SA)	Nov-16	949,629,837	-3.5%	-1.8%
Nonfarm Employment (SA)	Nov-16	1,301,862	0.4%	2.8%
Overall Index Change	Nov-16	216.1	0.2%	2.5%



Nevada Leading Index

The CBER Nevada leading index continued to rise in December 2016 from a month and a year ago.



Date	Index	Month-over-Month	Year-over-Year
Dec-15	101.6	2.7%	3.5%
Jan-16	97.9	-3.6%	0.0%
Feb-16	101.9	4.1%	2.2%
Mar-16	102.0	0.1%	3.9%
Apr-16	100.7	-1.2%	2.2%
May-16	102.3	1.6%	4.2%
Jun-16	102.2	-0.2%	1.5%
Jul-16	102.8	0.6%	5.9%
Aug-16	103.9	1.1%	6.5%
Sep-16	101.7	-2.1%	3.7%
Oct-16	102.6	0.9%	2.8%
Nov-16	105.7	3.0%	6.9%
Dec-16	106.3	0.6%	4.6%

The CBER Nevada leading index experienced a 0.6 percent monthly increase and a 4.6 percent rise from a year ago. Almost all components posted monthly gains. The exception, total airline passengers, decreasing by 1.9 percent month-over-month. Housing permits increased the most among the six components, up by 25.5 percent from a month ago, while commercial permits rose slightly by 1.1 percent. The remaining three components—Nevada initial claims for unemployment insurance (inverted), the S&P 500, and the real 10-year Treasury bond yield (inverted)—also climbed month-over-month by 4.1, 2.4, and 0.1 percent, respectively. All six components also remained higher than their levels from last year.



Summary of CBER's Southern Nevada Indexes

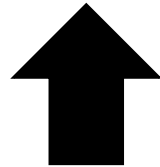
- Coincident Index and Leading Index

Coincident Index (November)

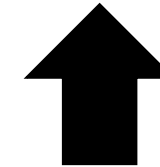
Leading Index (December)

Mo. to Mo.

0.3 %



0.4 %

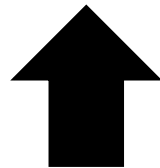


Taxable Sales	Gross Gaming Revenue	Nonfarm Employment
1.9% ↑	-3.8% ↓	0.4% ↑

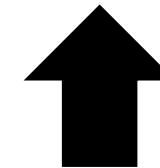
Initial Claims*	10-Year Treasury*	Housing Permits	Commercial Permits	McCarran Passengers	S&P 500
4.1% ↑	0.1% ↑	23.2% ↑	24.3% ↑	-1.9% ↓	2.4% ↑

Yr. to Yr.

1.8 %



2.0 %



Taxable Sales	Gross Gaming Revenue	Nonfarm Employment
4.1% ↑	-2.4% ↓	2.1% ↑

Initial Claims*	10-Year Treasury*	Housing Permits	Commercial Permits	McCarran Passengers	S&P 500
10.5% ↑	1.1% ↑	77.0% ↑	37.5% ↑	1.0% ↑	9.1% ↑

Note: The coincident index is a month behind relative to other indexes because of a two-month delay in the release of taxable sales.


* Inverted



Summary of CBER's Southern Nevada Indexes

- Construction Index and Tourism Index

Construction Index (December)

1.0 % 


Mo. to Mo.

Construction Employment	Housing Permits	Commercial Permits
2.0% ↑	23.2% ↑	24.3% ↑

Tourism Index (December)

-0.5 % 

McCarran Passengers	Gross Gaming Revenue	LV Hotel/Motel Occupancy Rate
-1.9% ↓	-4.5% ↓	0.4% ↑

4.4 % 

Yr. to Yr.

Construction Employment	Housing Permits	Commercial Permits
16.3% ↑	77.0% ↑	37.5% ↑

0.2 % 

McCarran Passengers	Gross Gaming Revenue	LV Hotel/Motel Occupancy Rate
1.0% ↑	-4.1% ↓	1.2% ↑



CBER's Indexes of Southern Nevada Economic Activity

Coincident Index

- CC Taxable Sales
- CC Gaming Revenue
- CC Nonfarm Employment

Leading Index

- NV Initial Claims for Unemployment (inverted)
- Real 10-Year Treasury Rate (inverted)
- CC Housing Permits
- CC Commercial Permits
- McCarran Passengers
- S&P 500

Construction Index

- CC Construction Employment
- CC Housing Permits
- CC Commercial Permits

Tourism Index

- McCarran Passengers
- CC Gaming Revenue
- LV Hotel/Motel Occupancy Rate

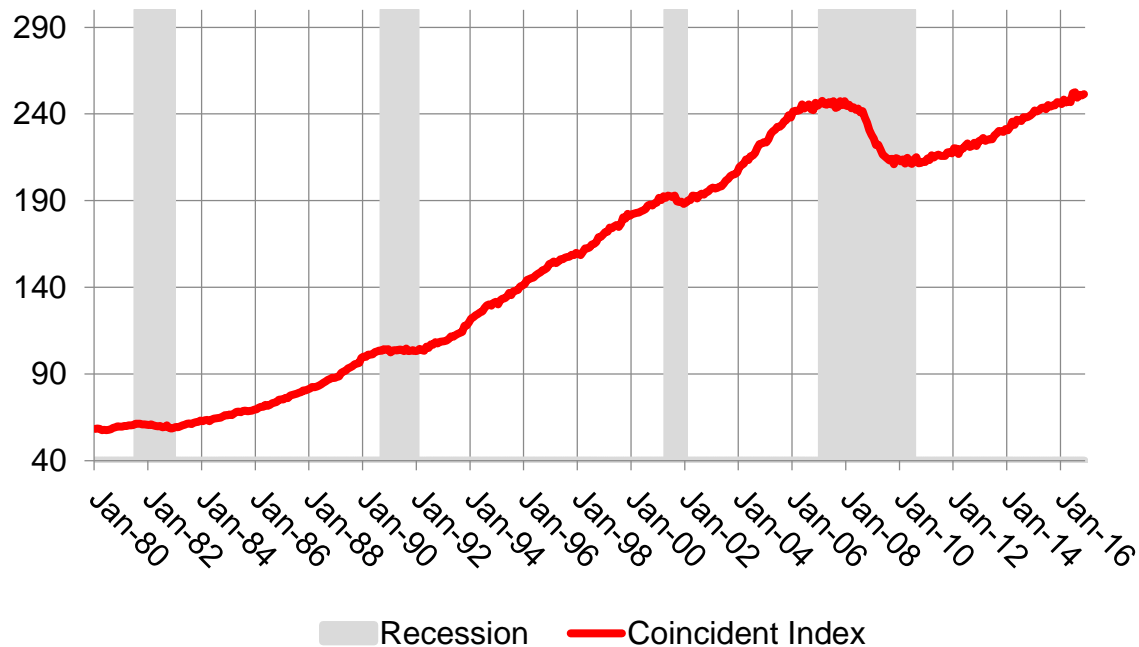
Note: CC = Clark County

The CBER Southern Nevada coincident and leading indexes use the Department of Commerce index construction method. The coincident index measures the ups and downs of the Southern Nevada economy. The leading index provides a signal about the future direction of the coincident index. The coincident index peaked in February 2007 and then fell dramatically through June 2010. Prior to the Great Recession, identified by the benchmark Southern Nevada coincident index, the Southern Nevada leading index peaked in September 2005, 16 months before the Southern Nevada coincident index peaked. Then the Southern Nevada leading index troughed in May 2009, 13 months before the Southern Nevada coincident index troughed. Finally, both the CBER Southern Nevada construction and tourism indexes also use the Department of Commerce index construction method. All series are SA.



Southern Nevada Coincident Index

The CBER Southern Nevada coincident index climbed in November 2016 relative to last month and last year



The CBER Southern Nevada coincident index increased by 0.3 and 1.8 percent, respectively, compared to last month and last year. Gaming revenue negatively contributed to the index, while taxable sales and nonfarm employment totally offset this loss and led to a monthly increase of the index. Taxable sales and nonfarm employment increased by 1.9 and 0.4 percent, respectively, from a month ago, while gaming revenue decreased by 3.8 percent during the same period. Gaming revenue also experienced a yearly loss, decreasing by 2.4 percent, but gains from taxable sales and nonfarm employment of 4.1 and 2.1 percent, respectively, resulted in the index's year-over-year rise.

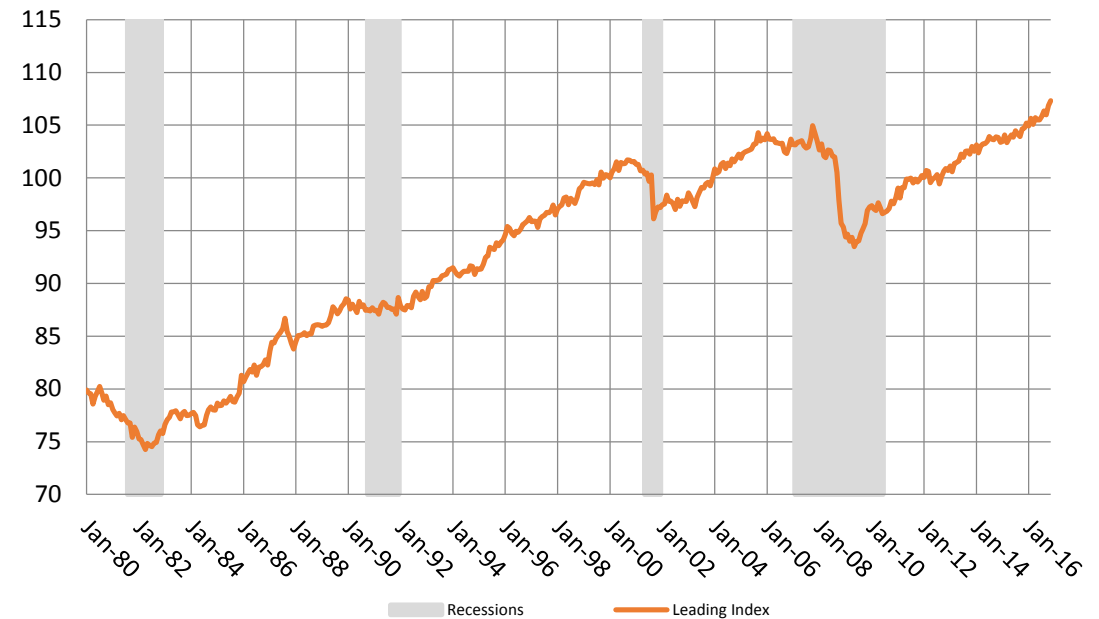
Series	Date	Latest Period	Month-over-Month	Year-over-Year
Taxable Sales (SA)	Nov-16	3,396,129,874	1.9%	4.1%
Gaming Revenue (SA)	Nov-16	821,661,213	-3.8%	-2.4%
Nonfarm Employment (SA)	Nov-16	944,542	0.4%	2.1%
Overall Index Change	Nov-16	251.4	0.3%	1.8%



Southern Nevada Leading Index

The CBER Southern Nevada leading index experienced both monthly and yearly gains in December.

Date	Index	Month-over-Month	Year-over-Year
Dec-15	105.2	0.4%	1.8%
Jan-16	104.9	-0.3%	1.4%
Feb-16	105.6	0.7%	1.5%
Mar-16	105.1	-0.5%	1.7%
Apr-16	105.6	0.5%	1.8%
May-16	105.7	0.1%	1.6%
Jun-16	105.5	-0.2%	1.6%
Jul-16	105.5	0.0%	1.0%
Aug-16	105.8	0.3%	1.6%
Sep-16	106.3	0.5%	2.3%
Oct-16	106.0	-0.3%	1.3%
Nov-16	106.9	0.8%	2.0%
Dec-16	107.3	0.4%	2.0%

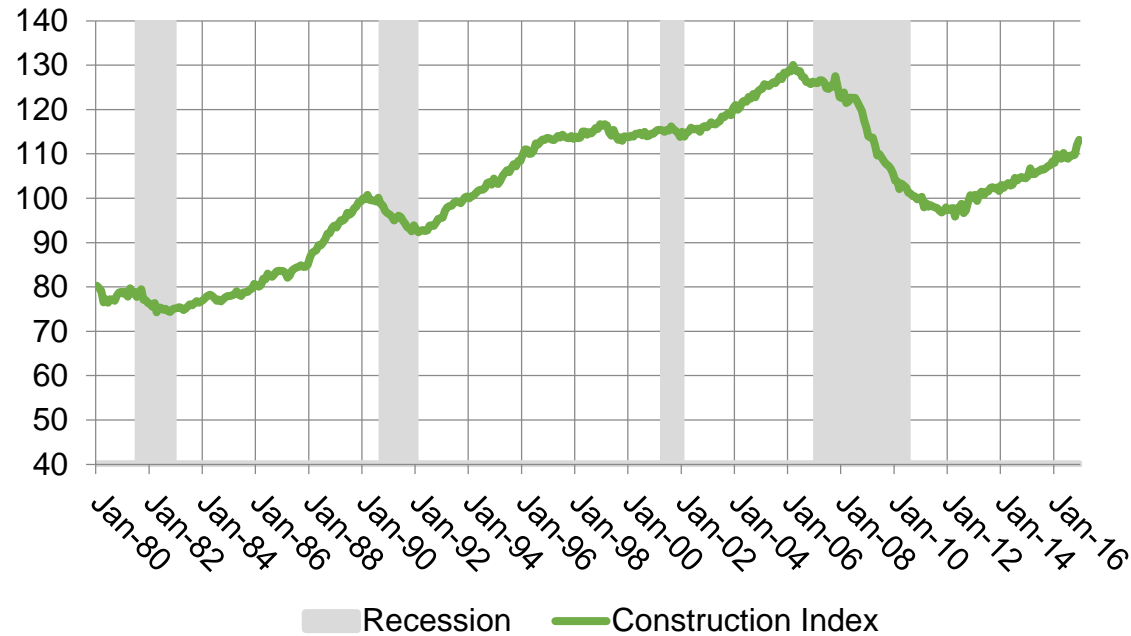


The CBER Southern Nevada leading index continued to gain this month, up by 0.4 percent, which mainly reflected large increases in housing and commercial permits. Both housing permits and commercial permits experienced double-digit growth, up by 23.2 and 24.3 percent, respectively, compared to last month. Nevada initial claims for unemployment insurance (inverted), the real 10-year Treasury bond yield (inverted), and the S&P 500 index also contributed positively to the index, up by 4.1, 0.1 and 2.4 percent, respectively, month-over-month. McCarran passengers was the only component that experienced a loss, decreasing by 1.9 percent compared to a month ago.



Southern Nevada Construction Index

The CBER Southern Nevada construction index rose for the month and was up strongly compared to last year.



The CBER Southern Nevada construction index continued to show a strong increase thanks to a strong pick-up in permit activity in December. All three components—construction employment, housing permits, and commercial permits—climbed by 2.0, 23.2, and 24.3 percent, respectively, compared to last month, which generated a 1.0 percent increase of the index. All three components—construction employment, housing permits, and commercial permits—also posted double-digit year-over-year growth, up by 16.3, 77.0, and 37.5 percent, respectively. As a result, the index rose by 4.4 percent from a year ago.

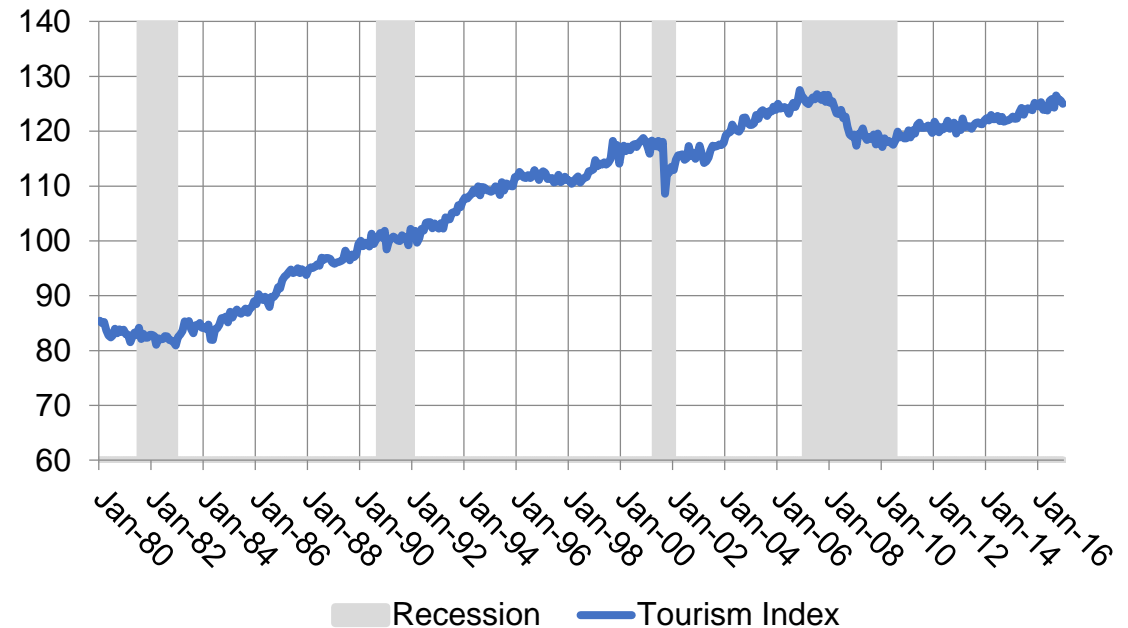
Series	Date	Latest Period	Month-over-Month	Year-over-Year
Construction Employment (SA)	Dec-16	62,064	2.0%	16.3%
Housing Permits (SA)	Dec-16	1,855	23.2%	77.0%
Commercial Permits (SA)	Dec-16	53	24.3%	37.5%
Overall Index Change	Dec-16	113.1	1.0%	4.4%



Southern Nevada Tourism Index

The CBER Southern Nevada tourism index experienced a loss for month, but it is slightly up year-over-year.

The CBER Southern Nevada tourism index fell for the month again, decreasing by 0.5 percent. But, it increased slightly by 0.2 percent year-over-year. The loss for the index mainly reflected a large 4.5 percent monthly loss in gaming revenue. McCarran passengers also posted a 1.9 percent decline month-over-month. The Las Vegas hotel/motel occupancy rate increased 0.4 percent from last month, but not enough to offset the losses from the other two components. Although McCarran passengers and the Las Vegas hotel/motel occupancy rate posted year-over-year increases, a continuous yearly loss in gaming revenue resulted in a weak 0.2 percent rise of the index compared to a year ago.



Series	Date	Latest Period	Month-over-Month	Year-over-Year
McCarran Passengers (SA)	Dec-16	3,969,620	-1.9%	1.0%
Gaming Revenue (SA)	Dec-16	784,481,228	-4.5%	-4.1%
LV Hotel/Motel Occupancy Rate (SA)	Dec-16	0.897	0.4%	1.2%
Overall Index Change	Dec-16	125.0	-0.5%	0.2%



Sources

Nevada Indexes:

- Nevada Department of Taxation
- Nevada Gaming Control Board
- Nevada Department of Employment, Training and Rehabilitation
- U.S. Bureau of Labor Statistics
- Various Permitting Agencies
- Yahoo Finance
- Board of Governors of the Federal Reserve System
- Reno-Tahoe International Airport
- McCarran International Airport
- CBER, UNLV

Southern Nevada Indexes:

- Nevada Department of Taxation
- Nevada Gaming Control Board
- Nevada Department of Employment, Training and Rehabilitation
- U.S. Bureau of Labor Statistics
- Various Permitting Agencies
- Yahoo Finance
- Board of Governors of the Federal Reserve System
- McCarran International Airport
- Las Vegas Convention and Visitors Authority
- CBER, UNLV

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