



CBER Economic Indexes for Nevada and Southern Nevada

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Summary of CBER's Nevada Indexes

Coincident Index (October)

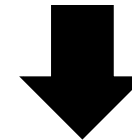
Leading Index (October)

Mo. to Mo.

1.0%



0.2%



Taxable Sales	Gross Gaming Revenue	Nonfarm Employment
5.6% ↑	4.1% ↑	0.3% ↑

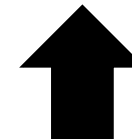
Initial Claims*	10-Year Treasury*	Housing Permits	Commercial Permits**	Airline Passengers	S&P 500
0.2% ↑	0.2% ↑	11.0% ↑	-2.9% ↓	0.1% ↑	-3.0% ↓

Yr. to Yr.

4.1%



3.0%



Taxable Sales	Gross Gaming Revenue	Nonfarm Employment
9.3% ↑	7.0% ↑	3.5% ↑

Initial Claims*	10-Year Treasury*	Housing Permits	Commercial Permits**	Airline Passengers	S&P 500
11.9% ↑	-0.3% ↓	2.2% ↑	34.7% ↑	2.0% ↑	8.8% ↑

* Inverted ** Data are partly forecasted as Clark County Service's permit reports have not been available since December 2017.



CBER's Indexes of Nevada Economic Activity

Coincident Index Components

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

Leading Index Components

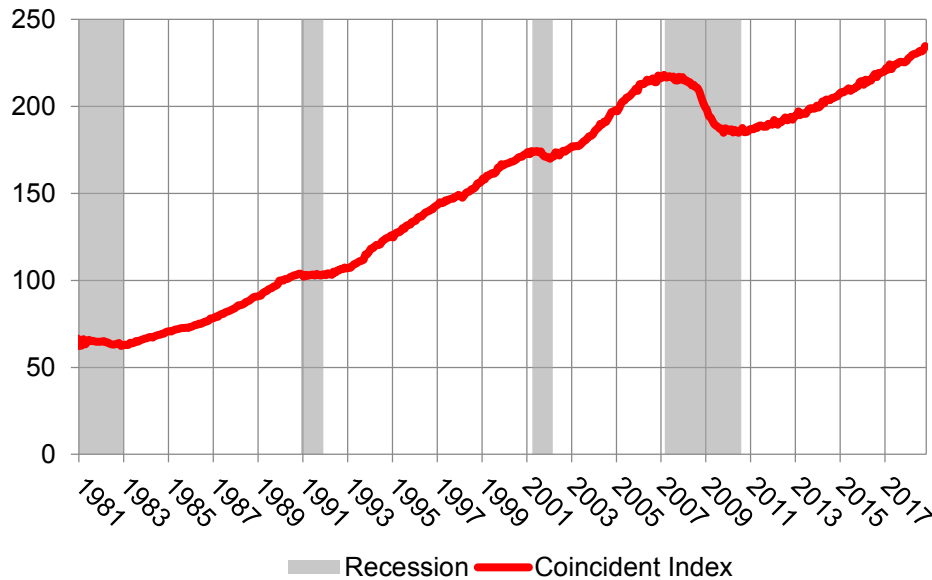
- Nevada Initial Claims for Unemployment (inverted)
- Real 10-Year Treasury Rate (inverted)
- Nevada Housing Permits
- Nevada Commercial Permits
- Nevada Airline Passengers
- Standard & Poor's Stock Market Index

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 jumped higher both month-over-month and year-over-year.



The Nevada coincident index increased, rising by 1.0 percent from October 2018. Growth of taxable sales and gaming revenue lead the increase, rising by 5.6 and 4.1 percent, respectively from the previous month. Also, nonfarm employment ticked up by 0.3 percent month-over-month.

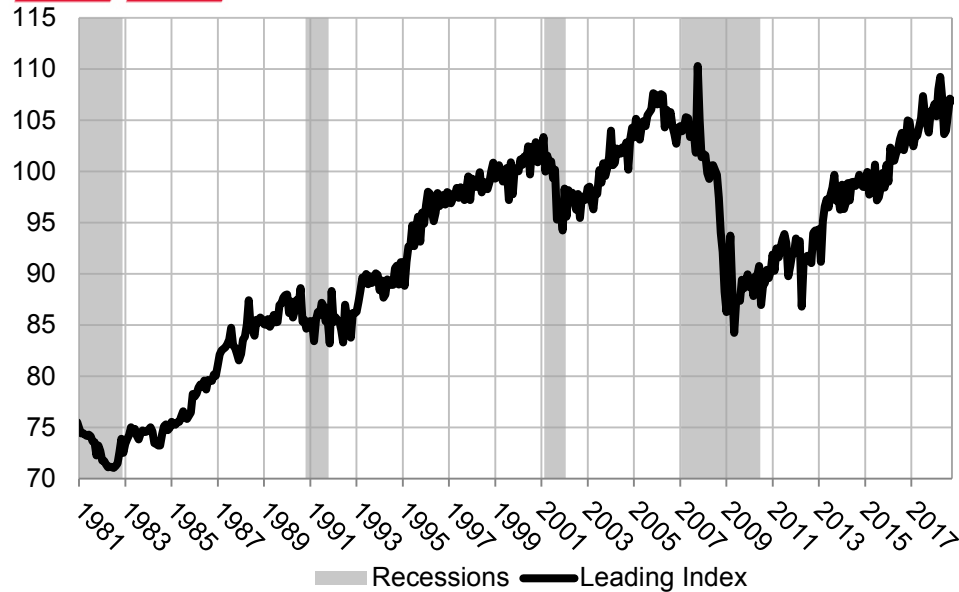
On a year-over-year basis, the Nevada coincidence index rose by 4.1 percent. Taxable sales, gaming revenue, and nonfarm employment climbed higher, rising by, 9.3, 7.0, and 3.5 percent, respectively, from October 2017.

Series	Date	Latest Period	Month-Over-Month	Year-Over-Year
Taxable Sales	Oct-18	5,242,237,887	5.6%	9.3%
Gaming Revenues	Oct-18	1,033,651,115	4.1%	7.0%
Nonfarm Employment	Oct-18	1,399,074	0.3%	3.5%
Overall Index Change	Oct-18	234.8	1.0%	4.1%



Nevada Leading Index

The CBER Nevada leading index dropped slightly month-over-month, but rose year-over-year.



Date	Index	Month-over-Month	Year-over-Year
Oct-17	103.8	-0.9%	0.8%
Nov-17	105.8	2.0%	0.8%
Dec-17	106.0	0.1%	1.1%
Jan-18	106.6	0.6%	3.0%
Feb-18	105.4	-1.1%	2.9%
Mar-18	108.0	2.5%	4.4%
Apr-18	109.2	1.1%	5.6%
May-18	107.2	-1.9%	2.7%
Jun-18	103.6	-3.3%	-1.5%
Jul-18	104.0	0.3%	-3.2%
Aug-18	105.6	1.6%	0.0%
Sep-18	107.1	1.4%	2.3%
Oct-18	106.9	-0.2%	3.0%

The Nevada leading index dropped, decreasing by 0.2 percent from September 2018. On the positive side, initial claims for unemployment (inverted), the real ten-year Treasury yield, housing permits, and Nevada Airline passengers increased, rising by 0.2, 0.2, 11.0, and 0.1 percent, respectively, from the previous month. Both commercial permits and the S&P 500, however, dropped by 2.9 and 3.0 percent, respectively, from September 2018.

On a year-over-year basis, the index rose by 3.0 percent. Initial claims for unemployment, housing permits, commercial permits, Nevada Airline passengers, and the S&P 500 increased by 11.9, 2.2, 34.7, 2.0, and 8.8 percent, respectively, year-over-year. The real ten-year Treasury yield, however, decreased by 0.3 percent from October 2017.



Summary of CBER's Southern Nevada Indexes

- Coincident Index and Leading Index

Coincident Index (October)

Leading Index (October)

Mo. to Mo.

1.1%



0.0%



Taxable Sales	Gross Gaming Revenue	Nonfarm Employment
4.1% ↑	4.0% ↑	0.3% ↑

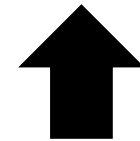
Initial Claims*	10-Year Treasury*	Housing Permits	Commercial Permits**	McCarran Passengers	S&P 500
0.2% ↑	0.2% ↑	25.5% ↑	-20.3% ↓	1.5% ↑	-3.0% ↓

Yr. to Yr.

4.5%



0.7%



Taxable Sales	Gross Gaming Revenue	Nonfarm Employment
10.2% ↑	8.0% ↑	3.7% ↑

Initial Claims*	10-Year Treasury*	Housing Permits	Commercial Permits**	McCarran Passengers	S&P 500
11.9% ↑	-0.3% ↓	19.2% ↑	-35.8% ↓	2.2% ↑	8.8% ↑

* Inverted ** Data are partly forecasted as Clark County Service's permit reports have not been available since December 2017.



Summary of CBER's Southern Nevada Indexes

- Construction Index and Tourism Index

Construction Index (October)

Tourism Index (October)

Mo. to Mo.

0.0% 

1.2% 

Construction Employment	Housing Permits	Commercial Permits**
0.4% ↑	25.5% ↑	-20.3% ↓

McCarran Passengers	Gross Gaming Revenue	LV Hotel/Motel Occupancy Rate
1.5% ↑	4.0% ↑	3.1% ↑

Yr. to Yr.

2.2% 

1.2% 

Construction Employment	Housing Permits	Commercial Permits**
12.3% ↑	19.2% ↑	-35.8% ↓

McCarran Passengers	Gross Gaming Revenue	LV Hotel/Motel Occupancy Rate
2.2% ↑	8.0% ↑	1.4% ↑

* Inverted ** Data are partly forecasted as Clark County Service's permit reports have not been available since December 2017.



CBER's Indexes of Southern Nevada Economic Activity

Coincident Index

- CC Taxable Sales
- CC Gross 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 Gross Gaming Revenue
- LV Hotel/Motel Occupancy Rate

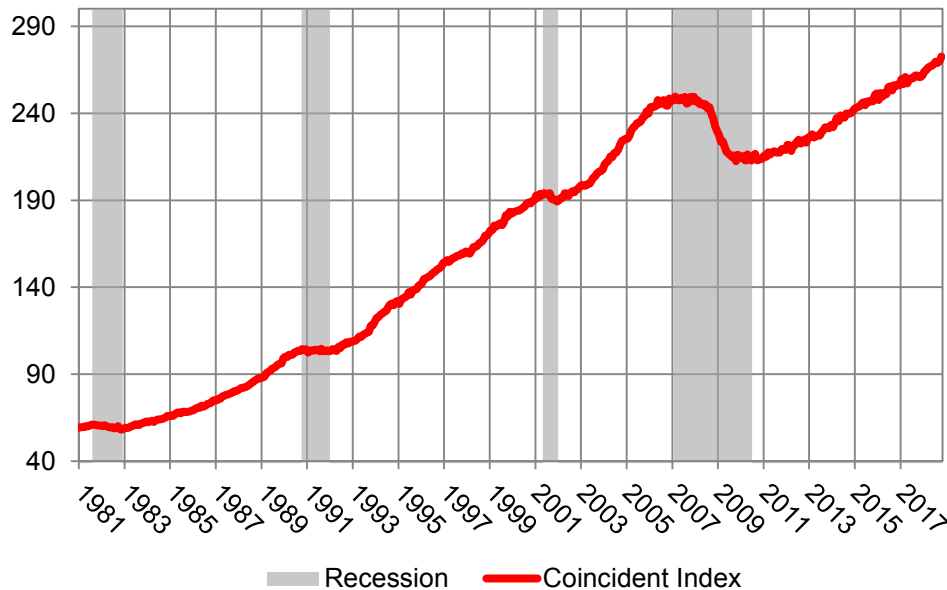
Note: CC = Clark County

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 indexed 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 up both month-over-month and year-over-year.



The Southern Nevada coincident index increased 1.1 percent from September 2018. Growth of taxable sales and gaming revenue lead the increase, rising by 4.1 and 4.0 percent, respectively, from the previous month. Also, nonfarm employment grew month-over-month rising by 0.3 percent.

On a year-over-year basis, the index increased by 4.5 percent. Strong growth of taxable sales and gaming revenue lead the increase, rising by 10.2 and 8.0 percent, respectively, from October 2017. Nonfarm employment ticked up, rising by 3.7 percent year-over-year.

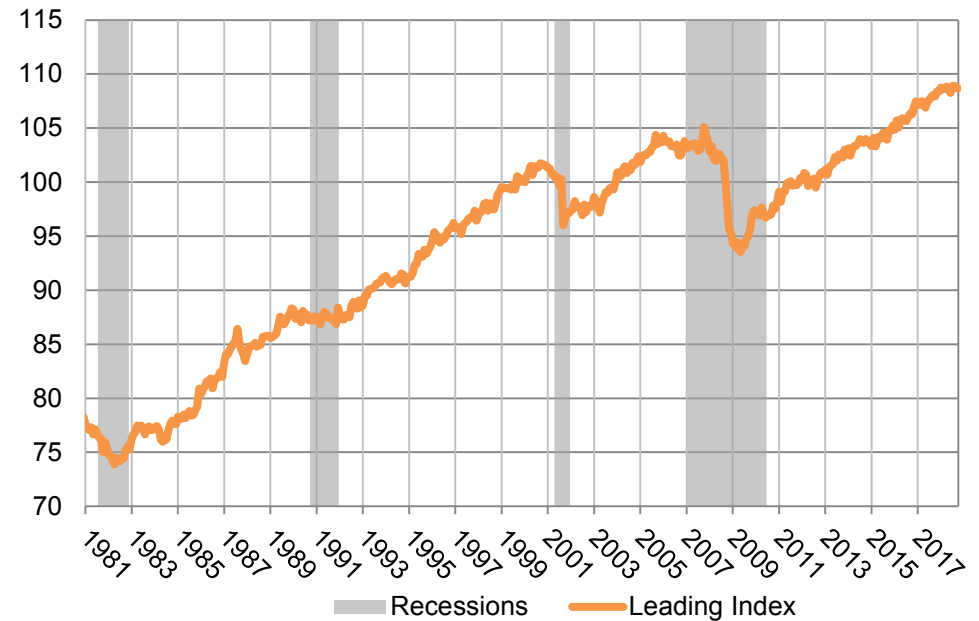
Series	Date	Latest Period	Month-over-Month	Year-over-Year
Taxable Sales	Oct-18	3,784,933,443	4.1%	10.2%
Gaming Revenues	Oct-18	889,257,548	4.0%	8.0%
Nonfarm Employment	Oct-18	1,020,530	0.3%	3.7%
Overall Index Change	Oct-18	272.6	1.1%	4.5%



Southern Nevada Leading Index

The CBER Southern Nevada leading index did not change month-over-month, but rose year-over-year.

Date	Index	Month-over-Month	Year-over-Year
Oct-17	107.9	-0.1%	1.6%
Nov-17	108.4	0.4%	1.4%
Dec-17	108.4	0.0%	0.8%
Jan-18	108.8	0.4%	1.5%
Feb-18	108.6	-0.2%	1.3%
Mar-18	108.7	0.1%	1.1%
Apr-18	108.9	0.2%	1.5%
May-18	108.6	-0.2%	1.6%
Jun-18	108.3	-0.3%	0.7%
Jul-18	108.9	0.6%	1.2%
Aug-18	108.9	0.0%	0.9%
Sep-18	108.7	-0.2%	0.6%
Oct-18	108.7	0.0%	0.7%



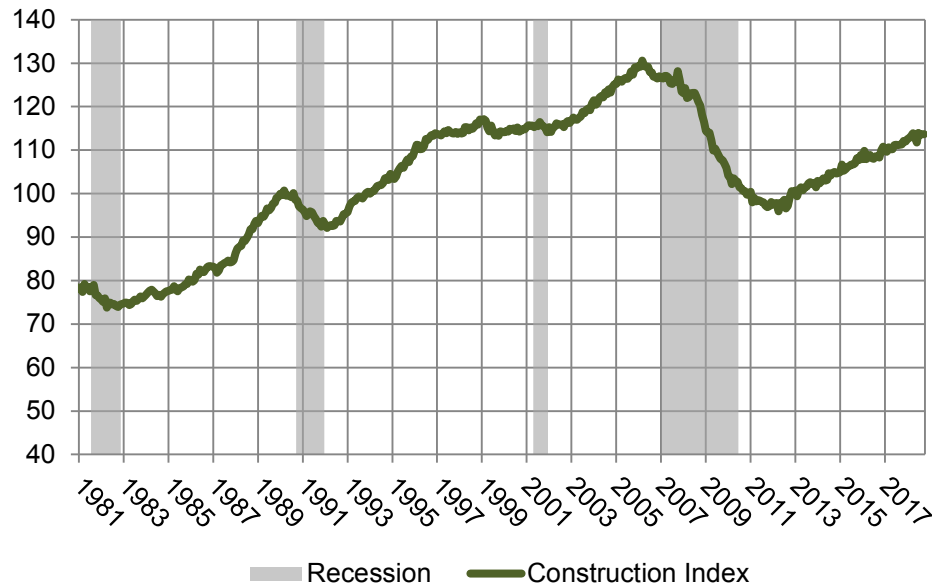
The Southern Nevada leading index did not change from September 2018. On the positive side, initial claims for unemployment (inverted), the real ten-year Treasury yield, housing permits, and McCarran Airport passengers increased, rising by 0.2, 0.2, 25.5, and 1.5, respectively, from the previous month. Commercial permits and the S&P 500, however, dropped 20.3 and 3.0 percent, respectively, month-over-month.

On a year-over-year basis, the Southern Nevada leading index increased, rising by 0.7 percent from October 2017. Initial claims for unemployment (inverted), housing permits, McCarran passengers, and the S&P 500 rose 11.9, 19.2, 2.2, and 8.8 percent, respectively, year-over-year. The real ten-year Treasury yield and commercial permits, however, dropped by 0.3 and 35.8 percent, respectively, from October 2017.



Southern Nevada Construction Index

The Southern Nevada construction index did not change month-over-month, but rose year-over-year.



The Southern Nevada construction index did not change from September 2018. Both housing permits and construction employment increased, rising by 25.5 and 0.4 percent, respectively, from the previous month. Commercial permits, however, dropped 20.3 percent from September 2018.

On a year-over-year basis, the construction index rose by 2.2 percent. The strong growth of construction employment and housing permits lead the increase, rising by 12.3 and 19.2 percent, respectively, from October 2017. Commercial permits, however, dropped by 35.8 percent year-over-year.

Series	Date	Latest Period	Month-over-Month	Year-over-Year
Construction Employment (SA)	Oct-18	67,619	0.4%	12.3%
Housing Permits (SA)	Oct-18	1,157	25.5%	19.2%
Commercial Permits (SA)	Oct-18	25	-20.3%	-35.8%
Overall Index Change	Oct-18	113.7	0.0%	2.2%

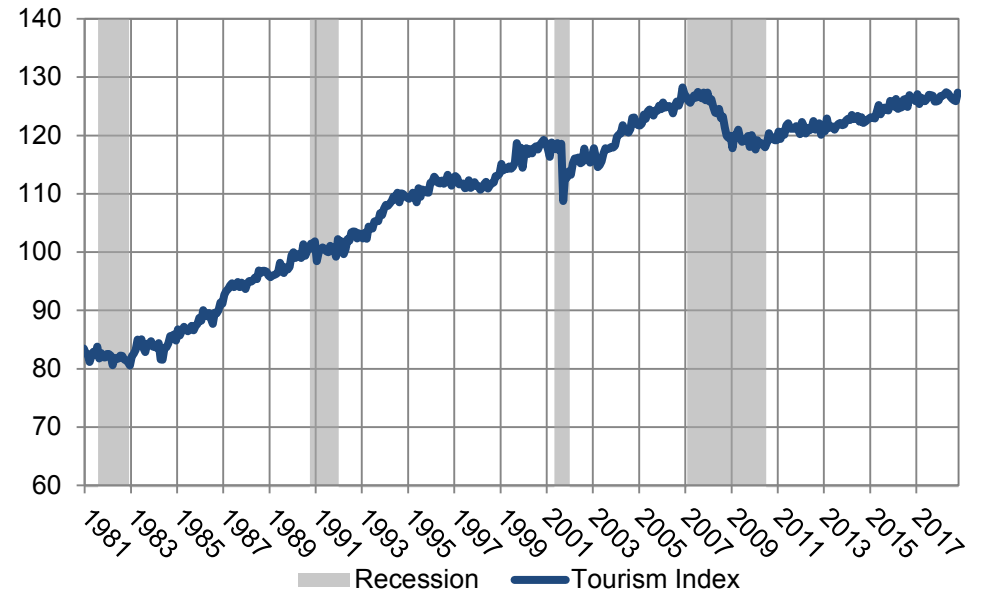


Southern Nevada Tourism Index

The CBER Southern Nevada tourism index rose both month-over-month and year-over-year.

The Southern Nevada tourism index increased, rising by 1.2 percent from September 2018. McCarran passengers, gaming revenue, and the Las Vegas hotel/motel occupancy rate climbed higher, rising by 1.5, 4.0, and 3.1 percent, respectively, from the previous month.

On a year-over-year basis, the Southern Nevada tourism index rose by 1.2 percent. McCarran Airport passengers, gaming revenue, and the Las Vegas hotel/motel occupancy rate increased by 2.2, 8.0, and 1.4 percent, respectively, from October 2017.



Series	Date	Latest Period	Month-over-Month	Year-over-Year
McCarran Passengers (SA)	Oct-18	4,141,869	1.5%	2.2%
Gaming Revenue (SA)	Oct-18	889,257,548	4.0%	8.0%
LV Hotel/Motel Occupancy Rate (SA)	Oct-18	0.884	3.1%	1.4%
Overall Index Change	Oct-18	127.4	1.2%	1.2%



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
- Federal Reserve Bank of St. Louis
- CBER, UNLV

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